ROYAL OBSERVATORY

BULLETINS

JOINT PUBLICATIONS OF THE
ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX
ROYAL OBSERVATORY, CAPE OF GOOD HOPE

Numbers 146, 153

Geomagnetism

LONDON: HER MAJESTY'S STATIONERY OFFICE
1971

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Number 153

Magnetic Results 1962, 1963 and 1964 (Hartland)

Royal Greenwich Observatory
Herstmonceux Castle
Hailsham, Sussex

R. v. d. R. Woolley
Astronomer Royal

LONDON: HER MAJESTY'S STATIONERY OFFICE

1971

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*Serving at Hartland

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MAGNETIC RESULTS 1962, 1963, 1964 (HARTLAND)

INTRODUCTION

The present bulletin is the last in the series of Royal Observatory Bulletins, Series D. In future Hartland magnetic results will be published under the auspices of the Institute of Geological Sciences. The distribution will, however, be unaltered. Any enquiries concerning the Hartland magnetic results should be sent to the address given on page D 179

The magnetic observatory at Hartland, North Devon, has been operating continuously since 1957 January 1. This observatory replaced the Abinger magnetic observatory which closed on 1957 March 31, after the electrification of a nearby railway. The Hartland observatory is situated on the north-west boundary of the village of Hartland about twelve miles from the nearest town, Bideford. The nearest railway line, which is not electrified, is also about twelve miles from the observatory. The site is in the southern half of a large meadow, the northern side of which falls steeply away to form part of the southern slope of a wooded valley which extends two miles westward to the coast. Near this point the coast turns sharply eastward and runs about two miles north of the observatory.

The coordinates of the observatory are:

	Geographic	Geomagnetic
Latitude	50° 59′.7 N	+54°.6
Longitude	355° 31′.0 E	+79°.0

Height above m.s.l. 310 feet = 95 metres

The non-magnetic buildings have lime-brick walls, concrete and wood floors and wood and copper roofs.

The variometer building contains two thermally insulated inner chambers separated by a central passage. The two chambers are thermostatically controlled and each is divided into three sections by partitions provided with light-proof sliding panels extending from floor to ceiling. Normally these panels remain open, but they may be closed when adjustments to instruments in any one section are in progress. Each section has its own exit door to the central passage. Of the six sections, five are furnished with concrete piers designed to accommodate the various magnetic recorders; the sixth serves as a small laboratory and contains the auxiliary equipment used for scaling the variometers.

The absolute instrument building is provided with a number of piers, certain of which are permanently allocated to the standard magnetometers. The remainder are available for use with other instruments.

Variometers

La Cour	Time Scale	Element	Adopted Scale Value	
Normal-run	15mm/hr	D		1′.01/mm
		H	1962 Jan. 1-1963 Mar. 31	4.14γ/mm
			1963 Apr. 1-1964 Dec. 31	4.18γ/mm
		Z	1962 Jan. 1-1962 Dec. 31	(4.32 + .0027*y*)γ/mm
			1963 Jan. 1-1963 Mar. 31	(4.30 + .0028*y*)γ/mm
			1963 Apr. 1-1964 Dec. 31	4.6γ/mm (approx.)
Quick-run	3.1mm/min	D		1′.1/mm
		H		4.0γ/mm
		Z		4.4γ/mm
Insensitive	15mm/hr	D		2′.52/mm
		H		21.0γ/mm
		Z		12.2γ/mm

The scale values of the normal-run recorders were determined using Helmholtz-Gaugain coils. The imposed fields were approximately ±155γ and ±385γ, for D and H and the scale values obtained from the two series of determinations agreed within one per cent.

Four pairs of field values, ±155γ, ±256γ, ±385γ and ±539γ, were employed in the determination of the scale values for Z. The results obtained showed the variation of the scale value with ordinate. In an attempt to compensate for this effect, from 1959 July 1 until 1963 March 30, the scale value was represented by: $s = a + by$, y being the ordinate in mm. This was an improvement, but a and b were found to vary slightly with the field strengths employed in the determination, suggesting a possible imperfection in the bearings of the magnet system.

A thorough investigation of the Z scale value was made early in 1963. Several additional pairs of field values up to ±925γ were used for calibration. It was found impossible to fit the calibrations satisfactorily with a quadratic curve over this extended range. Therefore, from 1963 April 1 an empirical relationship was used for the conversion of the ordinates from millimetres into γ.

The observed scale values of the D and H normal-runs are given below:

	1962		1963		1964	
	D	H	D	H	D	H
	′/mm	γ/mm	′/mm	γ/mm	′/mm	γ/mm
January	–	–	1.008	4.161	1.010	4.180
February	–	–	–	–	–	–
March	1.008	4.137	1.008	4.165	1.008	4.172
April	–	–	1.011	4.174	–	–
May	1.009	4.134	1.008	4.172	–	–
June	–	–	–	–	1.008	4.201
July	1.010	4.138	1.010	4.167	–	
August	–	–	1.002	4.161	1.010	4.207
September	1.007	4.169	–	–	–	–
October	–	–	–	–	–	–
November	1.009	4.159	1.010	4.167	–	–
December	–	–	–	–	–	–

The scale values of the quick-run and insensitive records are approximate and have been derived by comparisons of the movements of the traces with corresponding movements of the normal-run records.

Absolute Instruments

D, Declinometer with collimating magnet and theodolite

H, Schuster-Smith Coil magnetometer

Z, Dye Coil magnetometer

The potentiometers used in circuit with the coils are subjected annually to a check calibration at the National Physical Laboratory, Teddington.

Published Tables

In general the tables are self-explanatory but the following points should be noted:

Table IV. The lower limit for K = 9 is 500γ;

Tables V, VI and VII. No adjustment has been made for non-cyclic change. The inequalities of the north and west components and of inclination are computed from those of D, H and Z. Extreme values are printed in italics. Of the figures given under the heading 'Range', those entered against the year and the seasons are means of the relevant monthly values below which they appear, and do not represent the range of the mean curve for the period.

Magnetograms

The practice of publishing reduced-scale copies of the magnetograms has been discontinued. Microfilms of the magnetograms have been deposited at the four World Data Centres, from which copies may be obtained. Alternatively, copies of magnetograms for individual days may be obtained from:

Geomagnetism Unit
Institute of Geological Sciences,
Royal Greenwich Observatory,
Herstmonceux Castle,
Hailsham,
Sussex, England.

Results of Observations

1962

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JANUARY						9° + Tabular Quantities											
1	48.4	50.0	50.0	52.9	51.2	49.3	49.8	49.4	49.5	49.2	50.6	51.4	52.4	52.3	51.5	50.4	
2	49.0	48.5	49.3	49.7	48.9	50.0	50.0	51.4	51.3	49.3	50.4	51.5	53.1	54.0	53.4	51.5	
3	49.6	50.2	50.3	50.3	50.0	50.0	49.6	49.2	48.8	48.1	49.5	51.5	52.3	52.8	52.0	50.9	
4 *	49.6	50.1	50.3	50.3	50.1	49.9	49.7	49.1	48.9	48.8	49.9	51.2	52.7	53.1	52.2	50.9	
5 *	50.2	50.3	50.5	50.8	50.6	50.1	49.8	49.3	48.9	48.8	49.8	51.0	51.9	52.8	52.2	51.3	
6	50.1	50.6	50.9	51.3	50.3	49.9	49.6	49.4	49.2	49.1	50.0	51.3	52.4	52.7	52.4	51.9	
7	49.9	50.2	50.2	50.7	50.5	50.6	50.1	49.9	49.2	49.0	49.4	50.7	51.2	52.7	53.1	52.9	
8	49.7	49.7	49.6	49.2	49.6	49.9	50.1	49.4	48.6	48.3	49.1	49.9	51.3	53.4	53.2	53.1	
9	49.9	50.1	51.1	51.1	51.1	50.5	50.1	49.8	49.0	48.8	49.6	50.1	52.2	54.2	53.4	54.0	
10 **	49.1	49.0	48.6	47.0	47.8	49.3	49.2	49.2	50.7	49.6	49.4	55.0	58.7	56.9	54.8	51.1	
11 **	47.1	48.1	50.1	51.9	51.1	50.0	50.0	50.1	49.9	49.0	50.0	50.5	51.2	52.0	52.1	52.2	
12	48.0	48.2	49.5	49.9	49.8	49.7	50.1	49.7	49.1	48.9	49.2	49.9	51.2	52.1	51.4	50.8	
13	48.3	48.8	49.8	50.3	50.0	50.3	50.0	49.7	49.2	48.9	49.4	49.9	51.2	52.0	51.2	50.3	
14	49.0	49.1	49.3	49.6	49.7	50.0	49.7	49.3	49.0	49.0	49.3	50.7	52.3	53.7	53.9	53.7	
15	47.5	49.1	49.9	49.0	49.6	48.9	49.1	49.2	49.0	48.9	49.9	51.8	52.3	52.7	51.8	50.9	
16 **	49.1	48.9	50.2	49.0	48.8	49.0	49.8	51.1	48.3	49.4	50.9	51.9	53.3	54.3	53.8	51.4	
17	49.7	50.1	49.9	49.1	48.9	49.0	48.3	48.1	47.9	48.2	49.9	52.1	53.7	53.7	52.1	51.0	
18	49.5	49.4	49.6	49.9	49.8	49.4	49.2	48.8	48.1	48.7	49.7	50.4	51.2	51.7	51.2	50.7	
19 **	49.4	49.9	49.6	48.5	49.9	48.9	49.7	49.8	49.4	48.2	48.8	49.7	52.7	54.1	53.8	52.0	
20	49.2	50.0	50.6	50.1	50.1	50.0	49.4	49.0	48.1	48.4	49.1	50.4	51.2	51.9	51.2	50.3	
21	49.1	49.9	51.1	50.3	50.0	49.7	49.4	48.6	49.2	50.0	50.7	52.1	53.8	52.9	51.7	50.8	
22 *	49.0	49.5	49.9	49.9	49.9	49.5	49.1	48.9	48.0	47.8	48.2	49.1	51.3	52.7	52.0	50.4	
23 *	49.1	49.7	50.0	50.3	50.0	49.4	49.1	48.4	48.3	48.8	49.1	49.7	51.2	52.0	51.1	50.1	
24 *	49.1	49.6	49.9	50.0	50.0	49.7	49.1	48.6	48.5	48.7	49.1	50.0	51.1	52.5	52.3	51.3	
25	49.1	49.7	50.0	49.9	49.9	49.9	49.4	49.1	48.8	49.1	49.8	50.2	51.1	52.1	51.6	51.1	
26	47.2	48.2	49.8	50.3	50.1	49.9	49.6	48.8	47.9	47.9	49.3	51.1	53.6	54.0	54.5	52.7	
27 **	48.3	48.3	49.8	50.0	49.8	51.2	49.4	50.0	49.8	51.1	51.1	51.6	51.5	52.8	51.7	51.1	
28	48.6	49.1	49.5	49.7	50.3	49.9	49.2	48.6	48.7	48.9	49.7	50.9	51.8	51.6	51.1	50.4	
29	49.1	49.7	49.8	49.9	50.7	48.8	49.0	48.9	48.4	49.2	49.9	51.0	52.9	53.6	53.4	52.0	
30	46.9	48.9	49.1	49.6	50.2	48.8	49.6	49.5	48.7	48.0	48.9	50.8	52.1	52.8	52.9	51.8	
31	48.4	48.9	49.2	48.8	49.0	49.3	49.3	49.1	48.6	48.5	49.2	50.2	51.3	52.1	52.3	51.6	
Mean	48.9	49.4	49.9	50.0	49.9	49.7	49.5	49.3	48.9	48.9	49.6	50.9	52.3	53.0	52.4	51.4	
Mean *	48.4	49.8	50.1	50.3	50.1	49.7	49.4	48.9	48.5	48.6	49.2	50.2	51.6	52.6	52.0	50.8	
Mean **	48.6	48.8	49.7	49.3	49.5	49.7	49.6	50.0	49.6	49.5	50.0	51.7	53.5	54.0	53.2	51.6	
FEBRUARY						9° + Tabular Quantities											
1 *	49.6	49.8	50.0	49.9	49.9	49.6	49.2	48.6	47.7	47.5	49.0	50.2	51.2	51.7	51.3	50.2	
2	48.9	46.9	48.2	49.0	49.8	49.6	49.4	48.9	47.8	47.9	48.8	49.4	50.1	51.2	52.1	51.3	
3	49.3	49.7	50.0	50.1	49.3	49.4	48.9	48.3	48.1	47.9	49.0	50.1	51.2	52.0	51.7	50.7	
4 **	47.7	48.8	49.7	49.3	49.6	49.7	49.1	48.4	48.1	48.2	50.2	51.3	54.3	59.2	61.7	61.4	
5	47.7	47.8	48.6	48.6	48.9	48.1	47.7	47.4	47.4	47.8	48.7	49.8	51.1	52.0	51.8	51.0	
6	49.2	49.6	50.0	50.0	50.0	49.3	48.4	48.1	47.7	47.7	49.0	49.9	50.6	51.1	51.3	50.8	
7 **	45.2	50.3	50.1	49.5	49.7	50.1	50.1	49.0	48.9	48.8	48.5	49.9	51.8	52.3	52.3	50.5	
8 *	48.4	49.1	49.6	49.6	49.8	49.8	49.1	48.6	47.8	47.1	47.9	48.8	50.1	50.9	51.0	50.9	
9	48.7	49.0	51.1	49.8	49.4	49.6	49.2	48.9	48.9	48.8	49.6	50.2	50.8	51.3	52.0	51.2	
10 *	48.7	48.4	48.9	49.4	49.6	49.5	49.1	48.7	48.0	47.9	48.6	49.7	50.7	51.2	51.1	50.7	
11	48.9	49.0	50.3	49.6	49.1	48.6	48.8	48.9	48.7	48.5	50.0	51.4	52.5	51.4	51.7	52.5	
12 **	43.2	38.3	44.9	47.9	47.8	47.9	47.8	48.6	48.3	48.1	48.8	50.5	51.8	52.4	52.9	52.1	
13	47.0	47.7	48.0	48.4	49.8	48.1	48.3	48.1	48.1	48.1	49.8	51.5	52.1	52.8	52.2	52.1	
14	43.6	44.3	45.9	48.0	46.9	48.1	48.6	48.3	48.1	48.1	49.1	50.3	51.4	52.7	52.9	52.7	
15	50.0	50.1	49.0	49.6	49.2	48.6	48.5	48.7	48.9	49.1	50.7	52.5	52.6	52.6	51.6	50.9	
16 **	49.9	50.1	50.1	49.8	49.5	49.4	48.8	48.3	47.6	49.6	50.9	58.1	56.2	54.9	55.2	57.9	
17	46.8	46.1	45.5	46.8	47.3	49.1	48.5	48.4	49.8	50.7	52.1	52.8	52.1	51.9	51.6	50.8	
18	49.2	49.3	49.1	49.0	48.5	48.3	48.0	47.8	47.0	46.9	48.0	49.6	50.9	51.7	51.2	50.8	
19 *	49.6	49.8	49.7	49.5	49.2	48.8	48.6	48.1	47.6	47.5	48.6	50.8	52.9	54.8	53.5	51.7	
20	49.2	49.6	49.6	49.7	49.3	49.1	48.4	47.8	47.6	47.1	48.3	50.9	53.1	53.8	52.4	51.8	
21	48.9	49.4	49.5	49.5	49.2	48.9	49.0	48.9	47.8	47.9	49.1	50.9	52.4	54.1	52.8	53.3	
22	48.3	48.6	49.2	48.6	49.3	51.6	48.3	48.3	48.2	47.9	48.2	50.4	52.3	53.8	55.0	55.1	
23	48.1	48.7	48.9	49.6	49.5	48.8	48.2	48.3	47.1	46.6	47.4	48.9	50.6	52.9	52.6	51.8	
24	47.1	48.2	48.9	49.1	49.1	49.9	49.3	48.9	48.0	48.0	49.2	50.6	53.0	54.0	55.1	54.0	
25	48.0	48.9	49.2	49.0	49.3	49.4	48.7	48.1	46.5	45.6	46.2	48.0	50.5	51.4	52.1	51.2	
26 **	44.1	46.9	48.9	49.0	50.0	49.6	49.0	48.7	47.5	46.2	47.8	51.1	54.5	56.1	56.2	56.3	
27	47.4	49.1	49.1	48.6	48.7	48.7	48.8	48.3	47.6	48.8	51.8	53.4	56.6	56.6	57.4	55.0	
28 *	48.2	48.1	48.0	48.2	48.3	48.3	48.3	48.1	46.9	46.3	47.4	49.2	51.0	52.1	51.9	51.8	
Mean	47.9	48.3	48.9	49.1	49.1	49.1	48.7	48.4	47.9	47.9	49.0	50.7	52.1	53.0	53.0	52.5	
Mean *	48.9	49.0	49.2	49.3	49.4	48.1	48.9	48.4	47.6	47.3	48.3	49.7	51.2	52.1	51.8	51.1	
Mean **	46.0	46.9	48.7	49.1	49.3	49.3	49.0	48.6	48.1	48.2	49.2	52.2	53.7	55.0	55.7	55.6	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						JANUARY
										h m		h m			
50.1	50.0	50.1	50.0	50.0	49.9	50.0	48.9	50.3		03 50	54.8	24 00	45.6	9.2	1
51.0	50.1	50.1	49.1	48.8	48.9	48.3	49.0	50.3		13 56	55.1	00 03	45.1	10.0	2
50.1	49.4	49.7	49.7	48.7	48.9	49.0	48.9	50.0		13 25	53.0	20 56	47.7	5.3	3
50.0	49.4	49.4	49.5	49.6	49.8	49.9	49.9	50.2		13 32	53.3	09 20	48.1	5.2	4 *
50.8	50.3	50.1	49.9	49.9	49.7	49.4	49.6	50.3		13 43	52.9	09 17	48.3	4.6	5 *
51.9	51.1	50.6	49.7	49.3	49.3	49.5	49.8	50.5		12 50	52.9	09 23	48.7	4.2	6
52.9	52.0	50.3	49.9	49.4	48.0	48.0	48.9	50.4		14 12	53.2	21 56	47.0	6.2	7
52.7	52.6	51.3	50.1	49.6	49.1	49.1	49.4	50.3		14 00	53.9	09 43	47.9	6.0	8
53.7	52.8	51.3	49.7	47.0	47.7	48.3	48.1	50.6		13 11	54.4	20 03	45.0	9.4	9
55.7	54.4	52.6	41.1	44.1	44.2	43.6	44.8	49.8		12 12	60.9†	19 32	33.7†	27.2	10 **
50.9	49.8	48.5	49.7	48.9	47.9	47.1	46.4	49.8		03 48	53.8	23 15	45.1	8.7	11 **
50.0	49.9	49.5	49.7	49.1	48.3	48.1	48.2	49.6		13 16	52.3	22 57	47.1	5.2	12
50.2	50.1	49.9	49.4	49.3	48.9	48.4	48.7	49.8		13 07	52.2	00 17	48.0	4.2	13
53.7	56.8	54.4	52.8	48.8	47.7	43.3	44.6	50.4		17 07	58.3	22 46	37.1	21.2	14
49.9	50.3	50.3	49.1	49.1	48.4	49.7	47.8	49.8		13 15	53.2	23 22	46.4	6.8	15
51.4	50.3	48.2	49.8	48.8	46.3	47.3	49.6	50.0		13 54	55.1	21 53	45.2	9.9	16 **
49.9	50.5	50.7	50.0	48.8	49.3	49.1	49.3	50.0		13 02	54.1	08 31	47.4	6.7	17
49.8	50.3	50.2	49.9	49.8	49.6	49.3	49.3	49.8		13 15	52.4	08 24	47.9	4.5	18
50.1	49.0	46.4	49.2	48.9	48.6	47.7	48.0	49.7		13 51	55.2	18 00	38.0	17.2	19 **
50.1	50.1	49.6	47.6	48.7	48.6	48.9	48.5	49.6		13 23	52.1	19 16	45.9	6.2	20
50.6	50.2	49.9	49.4	49.0	46.7	46.4	48.7	50.0		12 53	54.4	21 50	44.0	10.4	21
50.3	50.7	50.0	49.6	49.0	48.9	48.8	48.9	49.6		13 50	52.9	09 28	47.8	5.1	22 *
50.4	50.3	50.0	49.5	48.9	48.7	48.6	48.9	49.6		13 35	52.2	07 54	48.0	4.2	23 *
50.9	50.5	50.0	49.6	48.8	48.0	47.9	48.4	49.7		13 48	52.9	22 37	47.1	5.8	24 *
51.0	50.5	50.6	50.1	49.8	48.9	48.6	47.2	49.9		13 57	52.3	23 20	46.5	5.8	25
53.3	52.1	51.4	51.0	49.3	48.6	48.1	48.7	50.3		14 22	55.2	00 10	46.1	9.1	26
51.1	50.9	50.9	49.9	47.9	46.7	45.5	47.5	49.9		13 33	53.6	22 30	43.0	10.6	27 **
50.2	50.4	50.7	50.1	49.7	49.4	49.1	48.6	49.8		12 45	52.1	00 00	47.9	4.2	28
50.9	50.2	50.0	50.0	49.8	49.4	49.2	48.4	50.2		13 47	54.6	23 44	47.8	6.8	29
50.7	50.1	49.9	49.8	49.6	48.1	48.3	48.6	49.7		13 57	53.2	00 38	46.0	7.2	30
50.6	50.2	49.9	49.9	49.7	49.4	49.5	49.6	49.8		14 10	52.4	00 20	48.0	4.4	31
51.1	50.8	50.2	49.5	49.0	48.4	48.2	48.4	50.0		-	53.8	-	45.7	8.1	Mean
50.5	50.2	49.9	49.6	49.2	49.0	48.9	49.1	49.9		-	52.8	-	47.9	5.0	Mean *
51.8	50.9	49.3	47.9	47.7	46.7	46.2	47.3	49.8		-	55.7	-	41.0	14.7	Mean **
									9° + Tabular Quantities						FEBRUARY
50.1	50.1	50.0	50.0	49.9	49.7	49.6	49.4	49.8		13 41	51.9	09 05	47.0	4.9	1 *
50.8	50.8	50.1	50.2	49.9	49.6	48.9	48.7	49.5		14 20	52.2	01 28	46.3	5.9	2
50.2	50.0	49.9	49.4	49.2	49.3	49.1	48.8	49.6		13 50	52.2	08 52	47.6	4.6	3
66.6	61.0	52.5	54.0	49.7	48.3	48.1	47.4	52.3		16 46	69.7†	23 42	46.0	23.7	4 **
50.1	50.2	49.6	49.2	48.8	48.6	48.6	48.8	49.1		13 52	52.7	00 04	46.0	6.7	5
50.7	50.6	50.1	49.6	48.8	48.6	47.5	44.1	49.3		14 01	51.6	23 37	42.0	9.6	6
49.7	48.3	45.9	48.6	47.3	47.3	47.5	47.8	49.1		12 52	54.0	17 54	39.9	14.1	7 **
50.7	50.5	50.0	49.5	48.8	48.3	47.1	47.9	49.2		13 02	51.9	09 32	46.3	5.6	8 *
50.7	50.2	49.7	49.6	48.9	48.7	48.1	47.8	49.7		02 07	52.8	23 44	47.0	5.8	9
50.4	50.7	50.1	50.0	49.3	49.1	48.9	48.7	49.5		14 07	51.8	00 12	47.6	4.2	10 *
52.1	52.5	52.8	49.4	43.3	36.6	42.9	43.9	48.9		18 39	53.4	21 42	35.8	17.6	11
50.9	50.8	48.7	45.7	41.7	45.6	44.8	44.8	47.7		13 57	53.5	01 19	35.3†	18.2	12 **
51.6	50.3	50.9	48.7	49.7	49.5	48.6	44.0	49.4		13 40	53.2	23 36	42.8	10.4	13
51.9	51.1	52.6	52.1	46.5	41.0	45.9	48.3	48.7		18 32	53.4	21 05	35.9	17.5	14
51.8	50.4	47.1	50.9	50.7	50.3	50.0	49.9	50.2		17 00	53.1	17 59	45.2	7.9	15
55.8	49.2	46.4	42.3	41.5	44.6	45.9	48.8	50.0		16 10	62.0	19 52	38.9	23.1	16 **
50.1	49.8	47.3	46.9	47.1	48.0	48.6	48.7	49.0		11 18	53.3	18 44	44.2	9.1	17
49.9	49.6	47.4	47.4	48.9	48.3	47.9	49.1	48.9		13 43	52.2	19 00	43.0	9.2	18
50.4	49.9	49.6	49.0	48.9	48.6	48.6	48.9	49.8		13 33	55.0	09 13	47.0	8.0	19 *
50.4	49.6	49.1	48.6	48.6	48.6	47.8	48.3	49.5		13 14	54.2	09 40	46.9	7.3	20
51.1	48.1	49.0	49.0	47.8	47.4	47.8	47.4	49.6		13 30	56.1	22 02	46.6	9.5	21
53.0	50.9	49.1	49.3	48.5	48.2	48.1	48.1	49.9		14 28	55.9	09 52	46.9	9.0	22
50.3	50.7	50.0	49.0	48.6	47.4	45.0	45.2	48.9		13 41	54.2	22 50	43.0	11.2	23
51.8	50.1	46.9	49.0	45.0	47.8	47.3	47.3	49.5		14 53	56.1	20 16	43.0	13.1	24
50.5	50.3	49.9	49.8	46.5	48.2	47.3	44.7	48.7		14 10	52.9	23 50	41.5	11.4	25
54.4	51.8	51.1	48.7	46.7	45.5	47.5	47.4	49.8		15 34	58.2	00 06	41.6	16.6	26 **
51.9	51.4	50.2	48.3	47.8	48.4	48.4	48.4	50.4		14 17	58.0	20 00	45.9	12.1	27
50.9	50.3	49.9	49.6	49.2	49.2	48.9	48.9	49.1		13 32	52.4	09 31	46.0	6.4	28 *
51.7	50.7	49.5	49.1	47.8	47.5	47.7	47.6	49.5		-	54.6	-	43.8	10.8	Mean
50.5	50.3	49.9	49.6	49.2	49.0	48.6	48.8	49.4		-	52.6	-	46.8	5.8	Mean *
55.5	52.2	48.9	47.9	45.4	46.3	46.8	47.2	49.8		-	59.5	-	40.3	19.1	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MARCH						9° + Tabular Quantities											
1	48.8	48.7	48.8	48.8	48.7	48.8	48.6	49.6	50.0	48.6	48.8	50.3	53.3	53.8	52.8	51.6	
2	46.9	46.6	47.0	46.8	46.9	47.0	47.3	46.9	47.0	46.9	47.8	49.1	52.1	53.9	52.9	52.1	
3	48.8	48.6	48.6	48.6	48.6	48.3	48.4	48.3	47.5	47.0	47.7	49.0	51.8	52.9	52.9	51.6	
4	45.6	46.3	48.6	49.0	48.1	48.3	47.9	47.4	47.1	47.4	49.4	51.5	52.7	53.7	52.9	50.9	
5 **	47.6	48.3	48.9	48.9	48.5	48.4	48.0	47.3	46.6	47.8	50.3	52.4	55.1	56.7	53.2	52.1	
6 **	48.4	48.0	48.1	46.7	50.1	49.4	47.1	48.0	46.2	47.3	50.1	52.1	54.1	54.7	54.8	54.8	
7	48.6	49.1	50.1	49.5	48.3	48.0	48.1	47.8	46.6	46.1	48.0	50.1	52.7	54.1	53.5	52.7	
8 *	48.4	49.0	49.3	49.7	49.7	48.6	48.2	47.4	46.0	45.3	46.3	49.2	51.8	52.6	52.0	50.9	
9 *	48.7	48.9	48.9	49.1	49.0	48.8	48.3	47.6	46.0	45.2	46.2	48.0	50.5	51.8	51.9	51.4	
10	48.2	48.1	47.1	45.4	45.0	45.9	46.1	46.8	46.7	46.8	48.1	50.1	52.9	54.8	55.1	54.2	
11	42.7	44.3	46.7	45.9	44.0	47.0	48.7	49.2	46.7	46.7	48.0	49.2	51.1	53.3	53.6	52.3	
12 **	47.9	48.4	46.8	47.4	48.1	47.2	48.8	48.0	47.6	47.6	47.9	50.6	53.7	55.3	57.0	56.0	
13	48.4	46.4	46.6	46.3	47.1	47.6	47.6	47.8	47.6	48.4	49.4	50.6	51.6	52.2	52.5	52.2	
14	47.7	47.8	47.5	47.8	47.8	47.8	48.2	48.1	47.3	47.2	47.8	50.3	51.8	52.9	53.5	51.8	
15	48.6	48.1	46.2	45.8	47.2	45.6	45.8	46.4	45.6	46.2	47.9	50.2	51.8	53.0	52.9	51.4	
16 *	49.0	48.4	48.3	48.8	48.6	48.6	48.2	47.6	46.4	46.6	48.0	50.2	52.3	53.5	53.2	51.8	
17	48.9	48.8	48.7	48.8	48.8	48.6	47.8	46.8	45.8	45.9	48.2	51.0	53.6	55.1	54.3	52.5	
18	49.0	48.9	48.9	48.9	48.7	48.4	47.8	46.4	45.0	44.9	47.0	50.5	54.5	55.6	54.6	54.3	
19 **	48.8	49.1	47.6	47.6	47.7	47.8	48.0	46.8	44.9	44.4	46.6	50.4	54.3	58.1	56.5	55.8	
20	49.0	48.8	48.8	48.8	48.7	49.7	47.5	45.3	44.1	44.9	46.9	50.6	54.0	56.0	56.2	54.8	
21 **	44.5	47.8	49.0	48.7	48.4	48.2	47.7	47.9	45.1	45.0	48.0	50.7	53.9	57.0	56.1	54.9	
22	48.9	48.8	48.8	48.8	48.6	48.0	48.6	47.1	45.2	45.1	46.3	50.0	53.2	54.7	54.8	53.4	
23	48.7	49.1	48.9	48.8	48.6	48.3	48.1	46.8	44.7	43.8	46.2	49.4	52.9	54.3	54.6	53.2	
24	48.6	49.3	46.2	47.1	47.7	47.9	47.8	46.4	44.9	45.3	46.5	49.3	51.8	53.7	54.5	53.5	
25	48.4	48.1	50.3	48.2	46.8	46.0	48.6	48.4	47.1	46.1	47.6	50.7	53.8	54.3	55.4	54.8	
26	48.0	48.3	47.8	46.1	47.0	47.6	47.6	46.6	44.8	44.4	45.8	48.6	51.5	53.2	53.4	52.5	
27 *	48.1	48.2	48.0	47.7	48.1	48.1	48.1	47.0	45.8	45.1	46.5	49.1	52.3	54.0	53.5	53.2	
28	48.4	48.3	48.2	48.2	48.0	48.0	48.1	47.2	45.2	44.0	45.7	49.1	52.7	54.1	53.3	52.1	
29	46.6	42.2	43.3	43.8	45.4	46.0	48.2	49.4	47.1	45.8	46.8	49.6	52.9	53.2	52.5	51.8	
30 *	48.5	48.4	47.5	47.6	47.6	47.7	47.8	46.8	45.8	45.4	46.8	48.8	50.8	51.7	51.6	50.6	
31	46.8	46.1	47.2	47.8	47.5	47.2	47.2	46.1	44.6	44.9	46.8	48.8	51.2	52.8	53.2	52.1	
Mean	47.9	47.9	48.0	47.8	47.8	47.8	47.9	47.4	46.2	46.0	47.5	50.0	52.7	54.1	53.8	52.8	
Mean *	48.5	48.6	48.4	48.6	48.6	48.4	48.1	47.3	46.0	45.5	46.8	49.1	51.5	52.7	52.4	51.6	
Mean **	47.4	48.3	48.1	47.9	48.6	48.2	47.9	47.6	46.1	46.4	48.6	51.2	54.2	56.4	55.5	54.7	
APRIL						9° + Tabular Quantities											
1	48.8	48.6	48.0	47.8	48.3	47.0	47.1	45.8	46.4	48.8	49.3	53.1	55.9	56.4	54.3	52.8	
2	49.0	48.5	48.1	48.2	48.0	47.2	46.2	44.8	43.8	44.7	46.6	49.2	51.7	53.4	53.2	51.3	
3	44.2	47.7	47.7	47.7	47.3	48.2	51.1	47.7	43.8	43.8	45.9	49.3	52.2	53.4	53.3	52.1	
4	48.8	49.6	48.3	47.2	47.2	47.7	47.7	47.3	45.7	47.8	49.8	49.8	51.5	53.3	52.8	51.6	
5	45.6	42.8	44.8	44.4	45.8	47.0	47.1	46.1	44.8	44.6	46.3	48.0	50.8	53.2	54.0	53.1	
6 **	48.5	48.2	48.3	47.8	49.8	47.8	46.7	47.1	43.7	43.6	46.4	49.7	51.7	53.8	55.3	54.2	
7 **	41.5	36.6	43.0	43.7	46.7	44.4	48.2	52.2	49.6	48.1	47.3	51.0	54.0	55.4	56.6	47.8	
8 **	43.3	43.5	48.8	49.2	48.7	46.1	46.1	45.0	44.2	45.3	46.5	50.4	53.2	56.0	56.9	58.8	
9	46.9	47.2	46.3	46.6	47.0	47.3	46.9	46.5	45.9	46.0	48.0	50.2	52.8	53.8	53.6	52.2	
10 **	47.4	47.4	45.4	45.9	47.0	45.0	46.2	45.1	43.9	46.0	51.2	53.9	53.2	55.4	58.3	53.3	
11	45.0	45.6	48.7	47.5	44.5	45.0	45.4	45.2	44.9	46.6	48.8	51.1	52.6	53.4	51.6	52.1	
12	46.0	46.8	45.8	45.4	46.1	46.0	45.9	45.0	44.0	43.9	45.9	48.1	50.3	51.5	52.6	50.6	
13 *	48.4	46.8	46.1	46.1	46.1	45.3	44.9	44.1	43.4	43.7	45.7	47.9	50.2	52.6	52.8	51.6	
14 *	48.6	47.4	46.5	46.2	46.1	46.1	46.4	45.8	45.5	46.2	47.8	49.9	52.5	53.9	54.0	52.9	
15	47.8	47.7	47.5	48.7	48.3	46.7	45.1	44.1	43.3	44.5	46.9	49.8	52.6	55.5	55.9	54.4	
16	48.7	48.3	46.4	45.9	46.3	46.4	45.2	44.2	43.7	44.7	47.4	50.9	54.4	55.4	54.7	52.9	
17	47.7	47.7	48.7	49.2	48.4	45.8	44.2	43.4	43.1	44.2	47.1	51.1	53.6	54.6	53.4	51.6	
18	48.1	47.8	47.8	49.1	47.9	46.3	46.7	46.7	45.9	46.7	49.4	52.1	53.3	55.0	54.0	51.6	
19	48.2	48.7	52.7	48.6	45.8	44.5	43.1	43.3	42.7	43.3	46.0	49.5	52.3	54.0	53.6	51.9	
20	46.9	47.0	45.9	46.7	47.3	45.6	43.7	42.1	41.7	43.2	46.2	48.9	52.0	54.2	53.9	52.7	
21	49.1	48.3	48.3	47.0	46.6	46.0	44.0	42.4	40.9	42.0	46.0	50.1	53.1	54.8	54.2	52.4	
22 **	42.7	44.0	47.0	52.9	46.5	48.8	49.5	46.1	46.7	45.5	48.0	51.5	53.5	54.7	54.2	52.3	
23	43.0	44.9	46.3	48.2	47.5	45.0	44.8	46.1	46.1	46.8	48.9	51.4	52.6	53.3	52.6	51.0	
24 *	47.4	47.7	47.0	46.4	46.1	45.2	44.3	43.7	43.7	44.2	45.8	47.7	51.4	52.7	52.7	52.4	
25	47.8	47.4	47.3	46.5	46.3	45.7	45.4	45.5	45.1	45.1	48.1	49.9	50.9	52.9	54.7	55.0	
26	47.0	47.0	47.3	46.8	46.5	46.3	47.8	46.8	46.1	47.7	47.8	50.0	53.0	53.3	52.7	51.9	
27	44.9	45.7	45.3	44.4	43.5	44.9	43.7	42.7	42.7	43.9	46.7	48.7	51.3	53.1	53.4	51.9	
28	45.4	44.5	43.8	42.3	41.2	40.6	42.2	43.0	42.7	44.1	45.9	48.5	50.1	52.4	52.4	50.3	
29 *	46.3	46.7	46.7	47.3	45.4	44.0	43.1	42.8	43.1	44.3	45.5	48.1	51.0	52.7	52.4	50.6	
30 *	48.7	47.0	46.2	45.3	45.2	44.5	43.8	43.8	44.2	46.2	49.7	52.4	53.5	53.4	52.9	51.8	
Mean	46.7	46.6	47.0	47.0	46.6	45.9	45.8	45.1	44.4	45.2	47.4	50.1	52.4	53.9	53.9	52.3	
Mean *	47.9	47.1	46.5	46.3	45.8	45.0	44.5	44.0	44.0	44.9	46.9	49.2	51.7	53.1	53.0	51.9	
Mean **	44.7	43.9	46.5	47.9	47.7	46.4	47.3	47.1	45.6	45.7	47.9	51.3	53.1	55.1	56.3	53.3	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						MARCH
										h m		h m			
49.6	48.9	50.0	49.8	49.7	49.2	49.1	47.9	49.8		13 33	54.9	23 55	46.7	8.2	1
49.5	49.1	47.8	49.3	49.6	49.3	49.2	49.0	48.8		12 56	54.3	04 18	46.0	8.3	2
49.9	50.1	50.3	49.1	47.3	45.4	46.3	47.7	48.9		13 38	55.4	21 40	44.3	11.1	3
48.9	48.7	49.2	49.2	49.1	48.6	48.9	47.1	49.0		13 37	54.5	01 00	45.0	9.5	4
52.3	48.4	51.4	49.1	49.1	48.1	47.1	47.4	49.7		13 50	61.8†	22 42	45.2	16.6	5 **
51.1	46.7	45.1	42.3	45.1	46.1	47.1	48.4	48.8		14 08	58.1	19 20	36.9†	21.2	6 **
50.7	46.9	48.6	48.7	48.6	48.5	48.6	48.6	49.3		13 08	55.6	17 37	45.5	10.1	7
50.0	49.5	49.7	49.2	49.0	48.8	48.6	48.7	49.1		13 40	52.6	09 46	45.1	7.5	8 *
50.7	50.2	50.1	49.5	49.2	48.9	48.7	48.4	49.0		14 43	52.2	09 08	44.8	7.4	9 *
53.9	51.5	49.9	50.4	48.9	45.5	42.0	43.0	48.6		14 32	55.8	22 38	39.3	16.5	10
51.5	49.4	50.1	47.7	45.9	47.9	48.1	48.0	48.3		14 02	54.3	00 29	41.1	13.2	11
52.6	47.1	50.3	47.1	45.6	47.9	48.2	47.9	49.4		14 19	58.1	19 33	41.0	17.1	12 **
50.4	50.0	49.7	49.1	49.0	48.9	48.6	48.0	49.0		15 03	53.4	01 09	45.2	8.2	13
50.5	50.0	48.2	47.6	48.1	49.2	49.2	48.8	49.0		14 44	54.0	18 57	43.7	10.3	14
50.0	49.8	50.0	50.0	49.6	46.0	44.4	48.3	48.4		13 23	53.2	21 58	40.2	13.0	15
50.5	49.8	49.4	49.3	49.2	48.6	48.3	49.2	49.3		13 22	53.7	08 32	45.4	8.3	16 *
50.5	49.2	49.1	49.1	49.1	49.1	49.0	49.0	49.5		13 04	55.4	09 22	45.1	10.3	17
51.7	50.3	49.5	48.2	44.5	47.0	48.0	48.8	49.2		13 20	57.0	20 08	42.1	14.9	18
52.6	50.0	43.0	41.5	44.7	47.7	48.1	48.9	48.8		13 10	59.6	19 09	39.6	20.0	19 **
51.9	50.4	48.0	48.4	48.5	47.6	43.1	44.3	49.0		14 14	56.9	22 29	41.8	15.1	20
52.9	51.6	45.9	44.6	45.6	46.3	45.1	46.1	48.8		13 41	57.9	23 04	41.7	16.2	21 **
51.4	50.1	49.3	48.8	48.6	48.4	46.1	46.0	49.1		14 05	55.1	22 43	42.5	12.6	22
51.2	49.7	48.8	48.7	48.8	48.8	48.6	48.8	49.2		13 59	55.2	09 35	43.4	11.8	23
52.2	51.5	51.0	50.1	49.3	48.5	48.6	48.5	49.2		14 04	56.0	08 43	44.6	11.4	24
53.1	51.7	50.2	49.3	49.0	48.2	48.1	48.2	49.7		14 40	55.6	05 08	44.1	11.5	25
51.6	51.1	50.9	50.4	49.8	49.2	49.0	48.6	48.9		14 15	53.8	09 01	44.1	9.7	26
52.3	51.4	50.4	49.8	49.4	49.0	48.8	48.6	49.3		13 32	54.8	09 07	44.5	10.3	27 *
50.8	49.8	49.4	49.3	49.0	47.5	48.7	48.0	48.9		13 13	54.3	09 21	43.6	10.7	28
49.6	50.6	50.0	49.7	49.3	49.3	48.8	48.8	48.4		13 02	54.1	01 18	41.0	13.1	29
50.1	50.0	49.7	49.3	49.2	49.8	49.0	48.5	48.7		14 05	52.2	09 23	44.9	7.3	30 *
51.0	49.8	49.7	49.6	49.6	49.6	49.5	48.8	48.7		14 11	53.2	08 47	44.0	9.2	31
51.1	49.8	49.2	48.5	48.3	48.2	47.8	47.9	49.0		-	55.3	-	53.3	12.0	Mean
50.7	50.2	49.9	49.4	49.2	49.0	48.7	48.7	49.1		-	53.1	-	44.9	8.2	Mean *
52.3	48.8	47.1	44.9	46.0	47.2	47.1	47.7	49.1		-	59.1	-	40.9	18.2	Mean **
									9° + Tabular Quantities						APRIL
50.4	49.0	48.2	48.8	48.1	47.7	49.1	49.3	49.5		13 24	57.7	07 54	43.9	13.8	1
50.0	50.1	49.6	47.3	42.7	44.7	44.7	40.3	47.6		13 35	53.9	23 37	36.3	17.6	2
50.6	48.8	47.3	47.1	45.9	46.2	46.3	48.6	48.2		14 11	54.8	00 03	37.8	17.0	3
50.6	50.0	49.2	48.0	47.6	48.4	48.2	44.8	48.9		13 37	53.6	23 20	43.9	9.7	4
51.8	50.6	49.4	49.4	49.1	48.9	48.8	48.3	48.1		14 04	54.7	01 42	41.5	13.2	5
53.6	53.0	48.6	47.3	48.3	38.9	42.7	44.3	48.3		14 52	57.0	21 46	33.0	24.0	6 **
52.5	52.1	50.1	43.3	41.5	44.0	41.1	43.7	47.3		14 48	59.2	19 57	27.9†	31.3	7 **
46.1	51.5	50.3	48.0	47.3	49.6	47.8	45.6	48.7		15 58	60.4	00 46	37.2	23.2	8 **
51.2	50.3	49.0	48.9	47.6	47.8	48.4	48.2	48.7		13 59	54.2	08 38	44.9	9.3	9
53.0	52.8	41.6	43.9	44.3	43.2	48.0	44.0	48.1		14 22	60.6†	18 28	30.9	29.7	10 **
51.3	48.0	47.9	48.9	48.0	47.9	45.2	45.3	47.9		13 40	54.3	04 33	43.2	11.1	11
50.2	49.2	49.0	48.8	47.8	44.8	45.0	45.2	47.2		14 32	53.1	09 08	43.2	9.9	12
49.7	47.9	47.3	47.9	48.2	48.1	48.1	48.2	47.5		14 00	53.0	08 53	42.9	10.1	13 *
51.6	50.6	49.7	49.3	48.2	48.2	47.7	47.4	48.7		13 59	54.2	08 44	45.1	9.1	14 *
53.0	52.3	52.0	50.8	49.9	49.8	49.3	48.7	49.4		13 40	56.5	08 39	42.9	13.6	15
52.3	49.3	48.3	48.4	48.5	45.8	47.3	47.8	48.5		13 07	55.6	08 38	43.0	12.6	16
50.3	49.4	48.9	48.6	48.7	48.7	48.6	48.7	48.6		13 33	55.2	08 10	42.3	12.9	17
51.0	49.3	48.3	48.1	46.1	48.3	49.2	48.5	49.1		13 32	55.8	08 30	45.2	10.6	18
50.3	49.1	48.3	48.2	48.7	48.8	48.7	48.6	48.3		02 18	58.2	08 50	32.0	26.2	19
51.0	50.2	49.1	48.2	48.2	47.8	47.3	48.4	47.8		13 36	54.8	08 14	41.1	13.7	20
51.5	50.1	46.4	41.0	38.2	43.3	45.1	41.1	46.7		13 30	55.0	20 26	35.2	19.8	21
49.4	48.1	45.6	44.1	41.1	42.8	43.6	44.8	47.6		03 25	57.4	00 00	37.1	20.3	22 **
49.7	48.3	47.5	46.9	47.3	47.7	47.9	47.7	48.0		13 12	54.6	00 23	41.5	13.1	23
51.2	50.0	49.7	49.2	48.5	48.2	47.8	47.8	48.0		14 23	53.2	07 33	43.3	9.9	24 *
53.9	52.5	52.0	48.0	45.7	48.2	47.9	47.4	48.7		15 33	56.3	09 20	44.1	12.2	25
50.7	49.3	47.9	48.0	47.9	46.2	44.0	44.0	48.2		13 04	54.4	22 51	42.7	11.7	26
50.3	48.8	48.1	47.7	44.9	46.3	45.9	45.8	46.9		14 19	55.1	07 05	42.2	12.9	27
49.9	48.9	48.3	48.3	47.6	45.7	45.7	45.4	46.2		13 50	52.6	05 47	39.9	12.7	28
50.3	50.3	49.3	48.7	47.7	47.7	47.5	47.3	47.5		14 22	53.5	07 43	42.1	11.4	29 *
50.6	48.8	48.9	45.9	46.1	47.0	47.4	46.9	47.9		13 10	53.9	06 24	43.2	10.7	30 *
50.9	50.0	48.5	47.6	46.7	46.7	46.8	46.4	48.1		-	55.4	-	40.3	15.1	Mean
50.7	49.5	49.0	48.2	47.7	47.8	47.7	47.5	47.9		-	53.6	-	43.3	10.2	Mean *
50.9	51.5	47.2	45.3	44.5	43.7	44.6	44.5	48.0		-	58.9	-	33.2	25.7	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
MAY	9° + Tabular Quantities																
1	47.5	48.3	43.9	43.7	43.7	43.7	44.5	45.1	45.7	47.3	50.0	52.0	54.1	54.4	53.2	51.8	
2	44.4	44.4	41.7	40.0	39.9	40.1	42.3	45.5	45.7	47.0	49.6	52.0	53.5	54.1	53.7	52.7	
3	44.2	43.7	44.7	46.3	45.0	42.3	41.6	42.2	44.5	47.0	50.9	53.0	54.5	54.4	53.9	52.3	
4 *	47.7	47.9	47.8	47.1	46.1	44.2	43.4	43.7	44.1	46.1	49.8	53.3	55.9	56.0	54.8	52.9	
5	48.3	48.1	47.7	47.2	46.3	44.7	42.7	41.8	42.0	44.0	47.3	49.3	52.3	54.1	54.2	53.0	
6 **	47.4	47.2	48.0	46.8	45.2	43.8	42.5	41.1	40.8	42.2	47.6	53.2	56.7	58.7	58.9	56.9	
7	45.8	47.7	47.3	46.2	45.5	45.0	44.0	42.9	43.0	43.7	45.1	47.5	51.2	51.8	51.5	51.2	
8	44.4	45.1	45.6	45.9	46.2	45.0	44.8	44.8	44.2	45.0	47.2	49.5	52.0	53.3	53.1	52.4	
9	44.5	45.1	45.4	45.0	45.8	45.4	44.3	43.8	43.8	44.2	45.8	48.2	50.4	51.5	51.9	52.3	
10	46.8	47.2	46.1	48.1	46.1	44.5	44.2	43.6	44.3	45.8	47.9	50.0	51.5	52.9	52.2	51.5	
11	47.4	47.4	47.3	46.8	45.8	43.5	42.2	42.2	42.8	43.8	46.2	50.0	53.8	55.1	54.4	54.1	
12	46.8	47.2	47.2	47.0	46.3	45.3	44.4	43.2	42.1	43.8	46.3	48.5	50.7	51.9	52.0	51.0	
13 **	48.0	47.2	46.6	46.8	46.1	44.5	42.1	41.1	41.2	42.9	47.0	51.7	55.4	55.6	54.1	52.4	
14 **	40.1	39.7	42.1	47.8	46.4	43.4	41.9	41.5	43.3	46.1	48.5	52.1	54.0	54.6	52.9	51.2	
15 **	44.9	44.7	48.4	49.1	46.8	44.1	42.4	42.9	43.2	44.3	47.3	48.6	51.1	51.7	51.8	50.1	
16	48.2	47.8	46.9	46.2	46.1	47.2	44.9	44.7	44.1	45.5	49.2	51.7	52.9	53.2	52.2	50.3	
17	46.8	46.8	46.4	46.0	45.4	44.0	42.8	42.3	42.3	43.1	45.1	48.2	51.0	52.6	52.7	51.5	
18 *	48.0	47.9	47.9	47.7	46.5	44.4	42.7	41.1	40.6	41.2	44.1	48.0	50.9	52.2	51.9	50.8	
19	48.3	47.9	47.5	46.6	46.1	43.9	41.4	40.0	42.3	46.8	50.3	54.1	55.2	55.1	53.5	52.9	
20	47.3	46.7	46.8	47.2	45.5	43.8	42.4	42.2	42.8	45.1	48.3	50.8	53.2	54.1	53.6	52.9	
21	47.6	47.9	47.4	46.8	45.8	44.2	42.4	41.1	41.6	44.0	48.0	51.7	55.5	57.5	55.9	53.4	
22	48.1	48.2	48.4	47.4	46.2	43.8	41.8	41.2	41.5	43.6	48.0	52.0	54.3	54.9	54.1	52.2	
23 *	47.5	47.5	47.3	47.1	46.5	45.1	44.1	43.0	42.4	43.1	46.1	49.8	52.4	53.2	53.1	52.5	
24 *	47.2	47.2	47.7	47.9	46.0	45.1	43.7	43.1	42.9	43.2	45.4	48.2	49.9	50.9	51.9	51.8	
25 *	47.2	47.0	46.9	46.6	46.0	45.0	43.7	42.5	41.9	42.5	45.4	48.7	50.9	52.2	52.5	51.9	
26	47.3	47.2	46.8	46.2	45.1	43.2	42.2	41.2	41.1	41.8	44.2	48.0	50.9	52.1	52.1	51.2	
27	44.1	44.1	44.9	45.6	43.6	39.7	40.0	39.9	41.8	45.7	49.0	51.2	54.1	55.3	56.1	54.4	
28	44.7	44.7	44.8	44.2	43.8	41.6	41.2	41.8	43.4	46.0	48.6	50.2	52.1	53.0	52.3	51.2	
29	48.2	47.2	47.2	46.0	44.1	41.9	41.3	41.7	45.2	47.7	49.1	51.6	52.0	51.5	50.3	48.8	
30	47.1	47.0	46.4	46.0	44.8	43.4	42.0	42.0	42.9	45.4	49.0	51.5	52.1	51.8	51.1	49.8	
31 **	47.4	46.9	46.1	45.2	44.2	42.4	44.2	43.6	43.4	45.1	49.2	52.1	57.4	60.4	60.2	55.9	
Mean	46.6	46.5	46.4	46.3	45.4	43.8	42.8	42.5	42.9	44.6	47.6	50.5	53.0	53.9	53.4	52.2	
Mean *	47.5	47.5	47.5	47.3	46.2	44.8	43.5	42.7	42.4	43.2	46.2	49.6	52.0	52.9	52.8	52.0	
Mean **	45.6	45.1	46.2	47.1	45.7	43.6	42.6	42.0	42.4	44.1	47.9	51.5	54.9	56.2	55.6	53.3	
JUNE	9° + Tabular Quantities																
1	46.8	47.4	46.4	47.3	45.0	43.1	41.7	41.8	43.2	45.4	47.9	50.2	52.7	54.2	52.6	51.2	
2	46.3	46.5	46.7	45.2	43.9	42.3	41.6	42.1	43.0	44.5	47.1	49.4	50.4	51.8	51.7	50.9	
3	46.3	46.3	46.3	45.9	44.7	43.2	42.8	42.5	43.3	44.4	46.7	48.7	51.3	52.7	53.7	52.5	
4	44.0	43.2	41.2	42.9	43.9	42.0	40.8	41.2	42.7	44.5	48.5	52.6	55.5	56.3	56.5	54.9	
5	45.4	46.5	45.3	44.2	42.3	42.0	42.3	42.3	43.4	45.8	47.9	49.7	51.8	52.6	52.2	52.0	
6	40.8	42.0	41.1	43.1	43.0	42.2	42.7	45.2	43.7	44.8	47.9	50.3	52.3	53.4	52.9	52.6	
7	46.9	47.2	46.9	46.2	45.3	43.3	41.9	42.1	44.3	45.3	46.0	48.2	50.2	51.3	51.3	50.8	
8 *	46.4	46.0	45.9	45.8	45.3	44.8	44.6	44.8	44.6	45.3	47.9	49.9	50.9	51.6	51.8	51.3	
9 **	47.7	47.2	47.0	46.1	50.5	48.9	45.5	43.2	43.5	46.2	47.6	50.0	52.7	53.7	53.7	53.9	
10 **	47.5	44.7	44.5	48.7	46.7	44.7	42.6	40.1	40.7	43.5	48.5	50.2	53.2	54.1	53.3	52.4	
11	46.8	47.0	46.1	46.3	47.0	45.1	43.0	42.7	43.2	43.2	44.2	46.2	49.5	51.7	52.4	51.6	
12	46.6	47.2	47.2	46.2	44.7	43.5	42.7	43.7	44.0	44.9	46.7	49.3	51.3	52.3	52.2	50.3	
13	47.2	47.0	46.4	45.4	44.2	43.3	43.7	43.5	42.5	42.9	45.4	46.9	48.1	49.3	50.4	50.8	
14	47.1	47.3	47.2	45.9	46.8	46.4	42.7	42.8	43.8	45.5	48.2	50.9	53.2	54.3	53.9	51.8	
15	46.1	46.0	47.2	45.1	45.9	43.4	41.2	40.2	40.4	41.7	45.1	49.3	51.9	54.8	55.1	53.2	
16	48.3	49.1	45.7	45.0	43.8	42.8	42.1	41.3	42.1	43.8	46.9	51.2	54.1	55.0	55.1	53.2	
17 *	47.5	47.4	47.2	46.4	45.3	43.7	43.0	43.2	43.9	44.2	46.9	51.7	56.4	57.2	55.6	53.1	
18 *	49.0	47.5	46.4	45.2	44.1	42.6	41.7	42.0	42.8	44.8	48.6	53.1	54.9	55.0	53.5	51.6	
19 *	47.9	48.0	47.6	47.4	46.9	45.0	43.0	42.2	41.6	41.9	45.3	49.8	54.3	56.0	56.0	53.8	
20 *	48.0	47.9	47.3	47.2	45.9	43.2	42.1	41.2	42.0	43.2	45.8	48.4	51.3	52.6	53.1	52.4	
21	47.1	46.8	47.0	45.2	44.1	43.0	41.4	39.8	39.5	40.2	43.3	47.7	51.6	54.9	57.1	56.7	
22	44.2	42.4	41.9	43.3	43.4	47.3	46.0	44.2	43.2	43.4	45.8	47.8	50.6	52.6	54.3	53.5	
23 **	46.5	45.9	45.5	45.1	45.2	43.4	41.5	40.0	41.0	43.8	45.7	49.2	52.4	54.9	55.4	54.6	
24	47.6	45.8	45.4	45.1	44.4	44.3	44.1	43.8	42.9	42.9	45.0	47.5	50.9	53.3	52.7	51.6	
25	47.6	46.8	44.6	44.4	44.0	43.8	44.8	43.6	43.0	44.0	46.5	49.0	51.0	52.4	53.2	52.8	
26	46.4	46.2	45.7	45.2	45.0	43.8	43.3	43.6	43.4	44.1	47.2	49.6	51.8	53.0	53.3	52.1	
27 **	48.4	46.4	43.4	45.0	45.4	44.4	41.9	45.8	45.6	46.0	48.3	51.8	55.4	56.1	52.1	50.8	
28 **	45.4	44.7	45.5	45.1	45.4	41.2	43.5	44.4	43.4	46.3	48.0	50.3	52.6	55.4	53.9	53.2	
29	45.0	45.4	47.3	46.1	42.0	39.4	40.1	40.3	42.2	44.7	47.0	50.6	52.2	54.4	52.7	52.3	
30	45.3	44.9	44.5	46.0	45.2	43.3	43.3	41.7	41.2	43.6	47.4	50.1	53.2	54.4	54.4	53.8	
Mean	46.5	46.2	45.7	45.5	45.0	43.6	42.7	42.5	42.8	44.2	46.8	49.7	52.3	53.7	53.5	52.5	
Mean *	47.8	47.4	46.9	46.4	45.5	43.9	42.9	42.7	43.0	43.9	46.9	50.6	53.6	54.5	54.0	52.4	
Mean **	47.1	45.8	45.2	46.0	46.6	44.5	43.0	42.7	42.8	45.2	47.6	50.3	53.3	54.8	53.7	53.0	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
										h m		h m			
							9° + Tabular Quantities								MAY
50.7	50.3	49.7	48.7	44.6	41.6	41.6	43.3	47.5	13 04	55.0	21 43	40.0	15.0	1	
52.4	50.5	49.3	47.5	47.0	44.7	40.0	40.7	46.6	13 55	54.5	22 59	38.0	16.5	2	
51.0	49.9	48.8	47.3	46.2	46.8	47.0	47.3	47.7	12 19	54.9	07 04	41.1	13.8	3	
51.2	50.2	49.5	49.1	48.6	48.2	47.9	48.2	48.9	12 50	56.2	06 31	43.1	13.1	4	*
51.9	51.2	51.3	51.2	50.9	49.8	48.8	46.6	48.5	14 00	54.7	07 56	41.3	13.4	5	
54.3	51.1	49.3	44.7	46.0	47.7	41.7	43.9	48.2	15 14	62.0†	22 50	38.0	24.0	6	**
50.3	49.3	48.3	47.9	46.7	45.8	45.8	44.5	47.0	13 37	52.2	08 27	41.9	10.3	7	
51.1	50.2	48.8	48.2	48.1	47.4	43.7	43.5	47.5	13 48	53.9	22 28	41.3	12.6	8	
52.5	52.4	51.2	50.1	49.3	48.4	47.9	47.2	47.8	17 10	52.8	08 42	43.3	9.5	9	
50.2	49.4	48.8	48.2	48.3	48.3	48.1	47.5	48.0	13 46	53.3	06 56	42.9	10.4	10	
53.4	51.2	50.2	49.5	48.2	47.9	44.8	46.4	48.1	13 41	55.2	06 39	41.3	13.9	11	
49.2	48.0	47.3	48.1	48.4	48.5	48.3	48.5	47.5	14 30	52.2	08 41	41.6	10.6	12	
50.3	48.6	47.9	48.2	48.0	43.4	44.3	43.4	47.4	13 19	56.1	21 50	40.0	16.1	13	**
49.9	49.2	48.8	48.2	45.1	44.5	45.7	45.6	46.8	13 30	55.5	01 40	37.3	18.2	14	**
50.2	49.7	45.5	45.5	48.5	49.2	49.1	48.5	47.4	14 14	52.3	07 00	41.1	11.2	15	**
49.2	48.1	46.9	46.8	47.3	47.9	47.3	46.3	48.0	13 03	54.0	08 18	43.0	11.0	16	
50.2	48.9	48.0	47.9	47.9	47.7	47.5	47.4	47.2	14 30	52.8	08 46	41.7	11.1	17	
49.5	48.2	47.2	47.3	48.0	48.2	48.5	48.5	47.1	14 21	52.2	08 49	40.2	12.0	18	*
49.7	48.8	47.7	47.3	48.0	46.6	47.8	47.9	48.2	11 53	56.7	07 23	39.1	17.6	19	
50.2	48.4	48.5	48.7	48.7	48.4	48.3	48.3	48.0	13 20	54.2	06 32	41.9	12.3	20	
51.0	48.2	46.8	46.2	47.0	47.9	48.2	48.2	48.1	13 34	57.9	07 51	40.7	17.2	21	
50.6	49.1	47.8	47.2	47.4	47.5	47.6	47.6	47.9	13 04	55.3	07 32	40.9	14.4	22	
51.3	49.9	48.2	47.7	47.7	47.7	47.3	47.3	47.8	13 47	53.7	08 52	42.0	11.7	23	*
51.5	50.4	49.1	48.2	48.2	48.2	47.9	47.5	47.6	15 00	52.2	08 56	42.5	9.7	24	*
50.8	49.8	48.8	48.3	48.6	48.4	47.9	47.4	47.5	14 40	52.6	08 40	41.5	11.1	25	*
50.0	49.3	48.8	48.2	48.8	48.8	48.2	47.4	47.1	13 22	52.4	07 40	40.9	11.5	26	
52.5	51.5	50.4	49.7	48.5	47.5	43.3	44.0	47.4	14 27	56.5	05 28	38.2	18.3	27	
50.2	49.0	46.9	46.2	45.6	43.5	45.7	48.4	46.6	13 09	53.3	05 42	41.0	12.3	28	
47.6	47.1	46.8	47.2	47.7	48.2	48.3	47.8	47.3	12 17	52.5	06 50	40.6	11.9	29	
48.3	47.3	46.9	47.2	47.7	47.6	47.6	47.8	47.2	12 55	52.4	06 55	41.0	11.4	30	
54.8	48.9	46.8	48.1	48.4	46.5	41.8	43.2	48.4	13 32	61.7	22 04	36.2†	25.5	31	**
50.8	49.5	48.4	47.9	47.7	47.2	46.4	46.5	47.6	-	54.6	-	40.8	13.8	Mean	
50.9	49.7	48.6	48.1	48.2	48.1	47.9	47.8	47.8	-	53.4	-	41.9	11.5	Mean	*
51.9	49.5	47.7	46.9	47.2	46.3	44.5	44.9	47.6	-	57.5	-	38.5	19.0	Mean	**
							9° + Tabular Quantities								JUNE
49.5	48.5	47.9	46.1	43.5	44.8	45.5	46.2	47.0	13 37	54.6	06 28	40.1	14.5	1	
50.3	49.9	49.3	47.7	47.1	47.1	45.9	46.4	47.0	14 10	52.0	05 57	41.1	10.9	2	
50.0	49.0	48.8	48.9	48.4	47.3	43.0	42.7	47.1	14 16	54.2	23 22	41.7	12.5	3	
52.3	50.0	48.0	46.5	42.6	44.9	42.5	41.9	46.6	14 53	56.7	22 56	38.2	18.5	4	
51.4	49.8	48.7	43.9	46.0	45.6	45.0	42.4	46.6	13 41	53.0	24 00	38.5	14.5	5	
51.8	50.1	48.6	46.9	47.2	45.3	45.0	46.3	46.6	13 30	53.8	05 38	41.2	12.6	6	
49.5	49.0	47.4	47.5	47.2	47.8	47.2	46.7	47.1	13 52	51.9	07 14	39.2	12.7	7	
50.4	49.8	49.3	48.9	48.5	48.3	48.5	48.6	47.9	14 08	52.1	05 50	44.1	8.0	8	*
53.4	51.5	50.1	47.8	46.3	47.2	47.2	47.2	48.7	13 05	55.1	07 32	40.3	14.8	9	**
51.3	49.4	48.2	48.1	48.1	47.3	47.1	46.5	47.6	13 40	55.0	07 28	39.0	16.0	10	**
50.9	50.3	49.3	49.0	48.2	47.7	47.3	46.8	47.3	14 19	53.0	07 17	41.6	11.4	11	
50.2	49.3	49.0	49.2	48.7	48.5	48.2	47.2	47.6	13 52	53.3	06 04	42.0	11.3	12	
50.1	49.3	48.3	47.9	48.1	48.0	47.9	47.8	46.9	15 45	50.9	08 24	42.1	8.8	13	
49.5	48.0	46.6	46.7	48.7	48.5	48.3	44.4	47.9	13 39	54.7	06 51	41.7	13.0	14	
52.3	50.2	48.4	44.8	47.4	48.2	48.3	48.0	47.3	13 37	55.5	07 52	38.6	16.9	15	
50.7	48.2	46.1	45.8	46.6	47.1	47.5	47.8	47.5	14 07	55.3	07 34	41.0	14.3	16	
50.2	48.2	47.4	47.4	47.2	47.8	48.1	48.7	48.2	13 41	57.5	06 38	42.6	14.9	17	*
48.9	47.9	47.6	47.9	47.9	48.2	48.2	47.9	47.8	13 12	55.2	06 32	41.2	14.0	18	*
51.9	49.2	48.0	47.9	48.0	48.0	47.9	47.9	48.1	14 02	56.5	08 31	41.1	15.4	19	*
51.3	49.4	47.7	47.2	47.2	47.5	47.2	47.0	47.3	14 19	53.2	07 33	40.3	12.9	20	*
53.1	51.4	51.6	49.0	47.1	47.9	47.3	46.6	47.5	15 06	57.8†	08 28	39.0	18.8	21	
51.9	50.3	49.0	47.4	46.9	47.8	47.4	47.5	47.2	14 18	54.5	01 50	41.0	13.5	22	
54.0	52.5	49.4	41.5	44.4	44.6	45.2	46.4	47.0	14 06	56.1	19 28	37.0†	19.1	23	**
50.9	50.1	47.6	47.0	47.5	47.4	47.6	47.9	47.2	13 41	54.2	08 48	42.1	12.1	24	
51.0	49.8	48.6	47.2	46.5	47.3	47.3	47.1	47.3	14 48	53.3	08 12	42.0	11.3	25	
52.0	50.9	50.3	49.1	47.6	48.0	47.4	47.4	47.8	14 10	53.7	07 20	41.8	11.9	26	
50.5	50.5	49.1	47.4	47.3	46.7	46.3	46.8	48.0	13 11	56.7	06 28	41.3	15.4	27	**
52.4	51.3	49.4	47.8	47.6	47.9	43.4	44.9	47.6	13 21	56.1	05 43	39.0	17.1	28	**
50.4	49.6	49.1	48.0	47.4	45.9	46.0	46.3	46.9	13 38	55.2	05 40	38.1	17.1	29	
52.8	49.0	48.3	47.9	48.1	47.3	46.8	45.2	47.4	14 01	54.9	08 22	40.2	14.7	30	
51.2	49.7	48.6	47.3	47.1	47.2	46.7	46.5	47.4	-	54.5	-	40.6	14.0	Mean	
50.5	48.9	48.0	47.9	47.8	48.0	48.0	48.0	47.9	-	54.9	-	41.9	13.0	Mean	*
52.3	51.0	49.2	46.5	46.7	46.7	45.8	46.4	47.8	-	55.8	-	39.3	16.5	Mean	**

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JULY								9° + Tabular Quantities									
1	46.2	46.0	45.5	45.8	45.9	44.0	41.6	40.9	41.2	43.3	45.7	49.3	52.1	53.1	52.6	51.1	
2	46.1	46.3	45.3	44.6	43.5	42.1	41.1	41.6	41.7	43.1	45.7	48.0	50.4	51.9	52.1	50.4	
3	42.4	43.5	44.3	44.4	44.3	42.6	41.4	42.3	42.9	44.1	46.1	50.4	54.0	55.6	55.2	52.7	
4 **	47.1	46.5	46.5	47.7	43.7	41.0	40.5	39.5	40.8	43.5	46.0	49.6	53.5	55.6	57.2	55.9	
5 **	43.2	45.4	46.0	47.5	50.0	46.8	44.0	43.3	44.9	45.0	46.1	48.2	49.5	50.3	50.6	52.0	
6	46.4	48.1	48.5	48.1	45.6	44.1	43.9	41.5	41.5	43.3	45.5	48.0	50.6	52.5	53.3	53.0	
7	45.3	45.2	44.6	45.4	45.2	43.9	42.6	42.3	42.0	43.2	45.2	46.7	49.3	50.8	50.1	50.5	
8	45.5	44.4	43.7	48.0	46.8	44.1	43.5	44.6	43.9	43.1	44.9	47.4	49.4	51.7	53.5	54.0	
9 *	44.9	45.7	46.4	46.9	45.6	44.5	42.9	41.6	41.0	41.8	44.5	47.3	49.6	51.3	51.5	51.6	
10	46.0	45.3	45.2	44.9	44.5	43.2	42.2	42.1	42.4	42.4	43.0	45.4	48.3	50.6	50.1	50.4	
11	45.7	45.2	45.9	46.2	45.1	44.9	43.7	44.5	44.8	44.4	45.6	48.4	51.1	51.9	52.1	51.1	
12	46.3	46.0	45.3	45.1	44.7	44.5	44.9	43.5	43.0	44.4	45.7	47.4	50.1	51.4	51.4	50.3	
13	47.5	45.0	48.2	46.6	43.4	41.5	42.0	41.9	41.2	42.4	44.1	46.6	49.7	52.1	51.7	51.5	
14	44.6	48.0	46.2	43.8	45.2	45.0	44.4	43.9	42.2	42.6	44.5	47.5	50.6	53.6	53.2	52.3	
15	47.8	46.0	42.1	43.7	43.4	42.2	42.0	41.6	41.9	42.7	45.4	47.6	50.0	51.4	51.6	51.2	
16 *	44.7	45.5	46.2	47.1	47.1	43.9	42.4	42.2	42.6	45.3	48.5	51.2	53.5	54.9	54.3	52.3	
17 *	47.1	46.5	46.4	46.2	45.0	43.0	41.3	40.3	40.2	42.4	45.3	49.0	52.3	53.3	52.5	51.1	
18 *	47.5	46.6	45.6	45.8	45.3	44.3	43.3	43.3	43.4	44.3	46.6	50.1	52.1	53.0	53.1	52.5	
19	47.3	47.9	46.1	44.9	43.5	40.6	39.8	38.9	38.4	41.8	45.0	47.1	52.0	53.9	52.8	52.0	
20	45.5	42.0	39.6	39.8	43.2	44.8	41.5	40.0	43.1	44.2	43.9	47.0	50.8	54.1	54.9	53.7	
21	42.5	41.0	41.4	40.6	43.1	43.2	42.0	42.1	42.1	42.9	45.3	47.8	50.6	51.7	52.5	51.9	
22	44.1	43.5	43.4	44.3	45.3	44.4	43.3	44.9	44.9	45.1	46.4	48.0	48.9	50.0	50.6	51.0	
23	45.1	45.1	44.7	44.7	44.8	45.8	47.4	43.9	41.9	43.6	46.8	47.9	49.3	50.7	49.8	48.8	
24	44.4	41.1	42.3	43.0	43.5	43.5	43.2	43.2	42.9	43.1	43.7	45.7	48.2	50.8	53.1	53.7	
25	39.3	42.3	38.1	43.7	47.9	46.1	46.9	47.0	45.1	45.0	45.7	46.9	47.4	47.3	47.1	46.9	
26 **	46.2	45.2	44.2	42.7	43.2	43.7	44.6	44.6	42.9	44.6	46.1	51.7	51.8	52.5	52.5	51.4	
27 **	48.7	48.2	41.9	44.0	43.2	42.3	41.7	42.3	43.3	45.3	47.6	49.6	50.7	52.9	53.0	46.4	
28 **	45.1	45.9	47.4	45.3	45.4	45.5	44.7	43.5	43.9	45.3	47.8	50.1	52.5	52.7	52.4	51.5	
29	42.5	47.0	44.8	42.9	43.5	42.8	42.0	41.8	41.0	41.4	44.0	47.3	51.3	52.8	53.4	52.4	
30 *	46.0	45.4	46.4	45.6	42.8	41.9	41.9	42.3	42.0	43.5	46.0	48.8	50.6	52.0	52.6	51.2	
31	45.7	45.8	45.7	45.5	45.5	43.7	43.0	42.9	43.1	43.9	45.3	47.3	49.3	50.2	50.8	50.1	
Mean	45.4	45.3	44.8	45.0	44.8	43.7	42.9	42.5	42.5	43.6	45.5	48.2	50.6	52.1	52.3	51.4	
Mean *	46.0	45.9	46.2	46.3	45.2	43.5	42.4	41.9	41.8	43.5	46.2	49.3	51.6	52.9	52.8	51.7	
Mean **	46.1	46.2	45.2	45.4	45.1	43.9	43.1	42.6	43.2	44.7	46.7	49.8	51.6	52.8	53.1	51.4	
AUGUST								9° + Tabular Quantities									
1 **	46.9	49.6	44.5	44.1	46.2	42.5	45.1	44.9	44.7	44.1	49.0	50.5	52.7	53.6	54.1	52.6	
2	45.2	44.0	44.1	44.0	44.1	44.0	41.7	41.0	41.0	42.4	45.2	48.3	50.2	51.6	52.0	50.6	
3	45.5	46.7	46.0	46.0	47.6	48.4	45.6	43.2	42.6	43.7	46.1	48.5	49.2	50.8	51.3	50.6	
4	45.4	45.3	45.4	46.8	45.9	45.1	42.8	41.9	42.9	42.8	45.7	48.2	51.4	52.8	53.0	52.1	
5	44.9	45.6	46.5	46.6	45.5	43.2	43.0	42.8	42.1	42.0	45.1	47.9	52.7	52.7	51.4	51.0	
6	46.5	43.0	42.1	41.9	42.7	43.4	46.2	43.0	42.0	44.4	47.8	50.3	54.2	53.7	53.4	54.1	
7	47.0	45.8	43.5	44.9	46.9	45.8	43.4	41.9	41.9	42.3	45.0	47.9	51.7	52.2	50.6	51.2	
8 **	45.3	43.1	39.7	42.6	42.8	43.1	42.8	44.0	43.8	46.0	47.3	51.2	53.3	54.2	53.9	54.0	
9	45.7	50.1	43.5	42.8	42.6	41.3	41.3	40.9	39.8	41.9	43.4	46.4	48.9	50.1	51.2	49.9	
10	47.0	45.4	44.5	47.0	46.9	44.8	42.9	43.8	46.3	46.2	46.3	48.7	49.2	49.8	49.6	49.0	
11 *	46.6	46.5	46.1	45.7	44.3	42.7	42.0	41.8	42.3	43.9	46.2	48.9	50.8	49.9	48.3	46.7	
12 *	46.5	46.4	45.9	45.6	45.3	44.1	44.4	44.0	45.0	46.6	49.8	52.8	53.8	53.4	51.5	49.4	
13 *	46.8	46.2	45.6	44.9	43.9	42.7	41.2	41.1	41.6	44.2	48.2	51.6	52.9	52.8	50.9	48.4	
14	44.7	45.7	44.4	43.8	43.6	41.7	40.1	39.8	40.8	43.2	46.9	51.2	54.3	53.6	52.0	50.6	
15	44.2	42.3	45.3	42.3	42.2	46.2	49.8	43.2	44.7	46.6	48.2	51.5	53.2	53.8	52.9	51.6	
16	42.2	38.7	41.2	41.3	42.6	50.6	42.0	43.8	42.9	44.3	47.3	49.7	52.1	52.9	52.6	50.7	
17 **	38.8	40.9	44.7	46.6	43.0	41.7	42.2	43.2	44.3	45.8	47.2	51.7	54.0	54.5	55.0	52.1	
18	44.9	46.9	46.1	44.2	43.8	43.7	48.8	47.8	43.7	44.1	46.3	49.3	52.9	54.3	53.8	51.7	
19	50.3	46.6	45.2	45.1	48.1	46.2	44.8	44.3	43.3	43.7	45.9	48.9	52.1	56.1	56.3	52.3	
20 *	46.7	45.9	46.0	45.3	44.9	44.0	43.0	42.6	42.4	43.7	46.9	49.6	52.8	53.9	52.7	50.8	
21	43.9	44.6	45.8	45.3	45.2	43.7	42.8	41.7	41.7	43.2	45.8	49.1	52.0	53.6	52.7	50.6	
22 **	41.0	42.7	43.9	41.8	44.9	41.7	39.0	41.7	42.6	42.9	45.8	48.6	52.4	54.9	53.8	51.7	
23	47.3	43.2	43.4	43.9	42.4	41.5	41.4	42.2	43.1	44.7	46.3	49.0	53.0	53.9	52.5	50.0	
24	44.6	43.9	44.3	46.2	43.8	41.3	41.3	43.6	45.4	45.7	46.7	49.0	52.3	48.9	49.1	50.1	
25	47.7	47.0	42.8	44.0	45.0	42.4	43.2	43.3	43.9	45.3	47.7	49.3	51.4	51.5	49.3	47.6	
26	44.1	44.9	44.7	44.9	43.8	42.9	42.3	41.7	42.1	43.9	46.9	48.8	50.1	49.6	48.1	46.6	
27	46.8	46.9	45.4	45.0	44.1	43.8	43.3	42.7	42.8	44.4	47.6	50.4	52.6	52.9	51.6	49.1	
28 *	45.6	45.9	45.1	46.2	44.9	43.7	42.9	42.7	43.5	45.1	48.5	51.1	52.6	53.1	50.9	48.0	
29	45.6	45.8	45.2	45.6	44.2	44.8	42.7	41.8	41.5	44.8	48.4	49.8	51.7	54.1	53.1	50.9	
30	44.4	46.1	45.8	45.1	42.5	41.4	42.3	40.5	40.8	43.4	46.3	50.2	52.7	53.4	48.8	48.1	
31 **	47.7	50.6	45.2	46.6	46.9	45.4	47.3	45.8	47.8	48.6	52.0	53.8	54.7	54.0	50.7	48.5	
Mean	45.5	45.4	44.6	44.7	44.5	43.8	43.3	42.8	43.0	44.3	47.0	49.7	52.2	52.8	51.8	50.3	
Mean *	46.4	46.2	45.7	45.5	44.7	43.4	42.7	42.4	43.0	44.7	47.9	50.8	52.6	52.6	50.9	48.7	
Mean **	43.9	45.4	43.6	44.3	44.8	42.9	43.3	43.9	44.6	45.5	48.3	51.2	53.4	54.2	53.5	51.8	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						JULY
										h m		h m			
50.0	47.2	47.4	47.1	47.3	47.1	46.2	46.5	46.8		13 47	54.1	07 47	39.7	14.4	1
49.4	48.4	46.9	47.4	45.3	44.1	44.2	41.8	45.9		13 53	52.1	06 45	40.6	11.5	2
52.1	51.8	49.1	48.2	47.8	47.5	46.9	46.5	47.3		14 04	56.1	05 58	40.9	15.2	3
53.9	51.3	49.3	48.4	44.0	37.6	42.5	44.9	46.9		14 14	58.2†	20 54	34.4†	23.8	4 **
52.5	52.1	51.2	48.6	43.5	45.7	46.1	46.4	47.5		04 11	52.8	20 44	41.3	11.5	5 **
51.7	50.4	47.2	47.2	47.9	47.5	46.2	46.0	47.4		14 15	53.9	07 43	40.2	13.7	6
51.1	51.0	49.3	49.1	49.4	48.8	46.9	44.5	46.8		17 29	51.3	07 05	41.8	9.5	7
52.0	50.7	49.4	48.5	47.8	46.1	45.0	43.4	47.1		15 43	54.3	23 34	41.5	12.8	8
50.6	49.6	49.3	48.7	48.0	47.6	47.2	46.8	46.9		15 16	52.1	08 35	40.4	11.7	9 *
49.8	50.3	49.5	49.9	48.9	48.5	48.1	47.4	46.6		13 40	51.4	07 40	41.4	10.0	10
50.3	50.2	49.6	48.6	46.5	45.6	46.4	45.9	47.2		13 55	52.5	06 36	42.4	10.1	11
48.9	48.0	48.1	48.2	47.6	47.5	47.7	47.8	47.0		14 06	51.8	08 01	41.9	9.9	12
52.2	51.0	49.2	46.9	46.0	44.9	43.6	44.0	46.4		16 18	52.4	06 17	40.8	11.6	13
50.0	47.4	47.6	47.5	47.5	46.3	45.3	46.0	46.9		13 49	54.1	08 51	41.1	13.0	14
50.3	49.5	48.4	48.1	45.6	46.6	47.3	45.6	46.3		14 33	51.9	07 35	41.0	10.9	15
50.1	47.9	48.1	47.7	47.6	47.9	47.6	47.1	47.7		13 08	55.3	07 07	41.4	13.9	16 *
49.1	47.3	46.2	46.8	47.6	47.6	47.9	47.3	46.7		13 58	53.4	08 21	39.8	13.6	17 *
50.6	49.2	47.9	47.2	47.2	48.0	48.0	47.7	47.6		13 58	53.6	06 07	42.5	11.1	18 *
51.3	51.3	50.7	49.7	45.9	44.5	45.8	46.3	46.6		13 21	54.9	08 21	37.4	17.5	19
52.3	49.3	49.1	48.7	46.8	46.6	46.4	45.8	46.4		14 43	55.6	03 08	37.4	18.2	20
51.6	50.6	47.0	48.8	47.5	46.8	48.1	45.6	46.1		14 10	53.4	03 20	39.5	13.9	21
49.8	48.4	47.8	47.4	47.2	46.0	45.1	45.2	46.5		15 30	51.4	01 42	42.2	9.2	22
48.1	48.8	48.3	46.2	43.9	44.7	45.5	45.5	46.3		13 28	51.3	08 27	41.7	9.6	23
52.2	51.2	48.3	47.2	45.3	44.8	41.8	41.3	45.7		15 03	54.5	24 00	35.7	18.8	24
46.5	46.7	47.0	47.1	47.0	47.2	47.5	47.3	45.8		06 58	50.2	00 05	35.2	15.0	25
50.6	50.6	43.0	47.6	47.8	44.2	46.3	44.9	46.8		13 49	57.1	18 41	38.7	18.4	26 **
48.9	47.4	48.0	48.4	47.6	43.6	42.5	44.2	46.3		00 34	55.9	03 08	39.1	16.8	27 **
46.6	48.1	47.3	47.3	46.5	44.9	45.0	42.6	47.0		13 00	53.9	23 53	40.8	13.1	28 **
49.0	47.5	46.6	46.7	46.6	44.7	45.9	46.0	46.0		14 05	53.7	08 20	39.8	13.9	29
49.2	47.3	46.6	46.1	46.4	46.3	45.6	46.6	46.4		14 24	53.0	05 20	41.1	11.9	30 *
50.0	50.5	50.4	49.1	46.1	42.0	47.3	46.9	46.7		18 11	52.1	21 24	38.9	13.2	31
50.3	49.4	48.2	47.9	46.8	45.8	46.0	45.6	46.7		-	53.5	-	40.0	13.5	Mean
49.9	48.3	47.6	47.3	47.4	47.5	47.3	47.1	47.1		-	53.5	-	41.0	12.4	Mean *
50.5	49.9	47.8	48.1	45.9	43.2	44.5	44.6	46.9		-	55.6	-	38.9	16.7	Mean **
									9° + Tabular Quantities						AUGUST
51.0	49.2	47.1	43.2	43.9	43.9	44.0	42.3	47.1		01 47	54.9	23 41	38.8	16.1	1 **
48.4	48.6	48.1	45.6	45.9	45.5	46.2	45.9	46.0		13 59	52.6	08 39	40.3	12.3	2
49.1	48.0	47.2	46.5	45.7	42.1	45.0	45.1	46.7		14 02	51.9	21 17	40.1	11.8	3
50.3	47.4	47.4	46.5	46.2	46.2	45.4	45.1	46.8		13 49	53.6	07 27	41.2	12.4	4
49.4	47.3	45.6	46.1	47.0	46.7	46.6	46.1	46.6		13 07	53.8	08 48	41.2	12.6	5
51.3	50.0	48.6	47.4	46.0	44.0	44.0	43.4	46.8		12 42	56.5	02 48	40.7	15.8	6
50.7	48.8	46.0	46.2	47.0	43.0	46.3	45.1	46.5		13 38	53.3	21 45	35.4	17.9	7
51.6	48.4	48.2	46.5	44.9	44.7	40.4	42.9	46.4		13 02	55.1	22 51	35.4	19.7	8 **
47.3	46.7	46.3	46.1	45.6	47.1	46.0	46.0	45.5		01 56	53.9	08 46	38.7	15.2	9
45.4	46.0	46.0	46.9	46.9	46.9	47.1	46.9	46.6		13 12	50.1	06 33	42.3	7.8	10
45.6	45.4	45.7	46.3	46.9	47.1	46.9	46.9	46.0		12 32	51.1	07 24	41.4	9.7	11 *
47.2	45.8	45.8	46.5	47.0	46.7	46.6	46.9	47.4		12 17	54.0	05 27	43.1	10.9	12 *
47.3	46.8	46.9	48.1	48.8	48.1	47.3	43.8	46.7		13 01	53.1	06 58	40.7	12.4	13 *
49.8	48.8	47.9	48.4	48.2	47.2	45.2	45.9	46.6		12 25	55.3	07 20	39.0	16.3	14
50.6	48.2	47.8	47.5	45.3	49.9	42.8	43.8	47.2		13 03	54.4	21 38	37.2	17.2	15
49.2	48.9	48.4	45.9	44.4	45.9	43.8	39.5	45.9		14 03	54.0	01 40	35.4	18.6	16
49.8	49.4	46.7	43.0	46.0	44.5	41.6	43.1	46.2		14 10	56.3	00 58	37.3	19.0	17 **
49.2	46.3	46.7	46.9	47.1	44.1	44.0	44.8	47.1		13 11	56.2	08 03	42.2	14.0	18
50.1	48.0	45.6	44.6	44.1	44.7	46.1	46.1	47.4		14 08	57.3†	09 05	42.1	15.2	19
48.7	46.6	45.6	46.3	46.2	46.1	46.0	44.0	46.7		13 48	54.5	08 27	41.9	12.6	20 *
48.9	47.8	47.8	48.2	48.2	47.7	45.6	42.8	46.6		13 15	54.3	24 00	39.0	15.3	21
49.5	48.4	48.5	47.7	39.4	39.1	43.6	47.6	45.6		13 48	55.7	20 53	32.2†	23.5	22 **
48.4	47.9	42.9	46.9	47.0	46.5	46.1	45.2	46.2		13 08	56.3	05 02	39.9	16.4	23
47.9	46.0	45.9	46.3	46.9	44.9	42.7	43.8	45.9		12 50	53.5	06 24	40.1	13.4	24
47.2	44.0	45.9	46.6	46.4	43.7	43.9	44.9	46.0		13 28	52.5	21 40	41.0	11.5	25
45.6	45.3	46.1	46.4	46.3	46.0	45.8	45.4	45.5		12 52	50.7	06 53	41.2	9.5	26
47.4	46.3	46.1	46.5	46.1	46.1	45.8	45.6	46.6		13 25	53.0	07 57	41.9	11.1	27
46.5	45.8	45.8	46.4	46.3	46.4	46.2	46.1	46.6		13 04	53.3	06 52	42.3	11.0	28 *
48.8	47.6	46.9	44.3	37.1	38.2	41.1	41.6	45.7		13 48	56.3	20 07	34.7	21.6	29
47.3	46.1	41.5	43.6	45.4	45.8	45.8	46.0	45.6		13 00	54.0	18 38	36.8	17.2	30
46.8	45.6	45.0	45.2	43.3	44.3	45.1	44.7	47.7		12 42	55.2	02 56	40.5	14.7	31 **
48.6	47.3	46.5	46.2	45.7	45.3	44.9	44.8	46.5		-	54.1	-	39.5	14.6	Mean
47.1	46.1	46.0	46.7	47.0	46.7	46.6	45.5	46.7		-	53.2	-	41.9	11.3	Mean *
49.7	48.2	47.1	45.1	43.5	43.3	42.9	44.1	46.6		-	55.4	-	36.8	18.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
SEPTEMBER	9° + Tabular Quantities																
1	45.2	46.4	46.1	44.6	43.2	43.3	46.9	46.3	45.2	48.7	49.6	50.9	53.3	52.8	53.0	50.2	
2 **	45.2	44.7	45.6	49.2	47.9	43.2	43.2	44.7	44.1	44.9	47.4	50.5	53.7	52.7	53.3	50.8	
3 **	46.1	45.8	50.3	43.9	44.5	44.7	41.7	40.6	40.0	42.8	45.9	49.7	51.8	54.7	52.3	47.8	
4 **	37.3	41.3	44.6	37.9	38.4	43.4	43.1	41.8	42.2	43.5	45.4	49.4	49.3	50.1	48.8	48.9	
5	44.9	45.2	45.4	46.7	44.3	45.2	43.4	42.2	42.6	43.4	45.8	47.6	50.9	54.0	54.8	51.4	
6	43.2	42.4	41.8	43.1	46.0	46.9	50.1	47.1	44.0	43.3	45.7	48.0	50.6	51.9	51.1	50.0	
7	45.1	43.7	44.8	45.6	43.9	44.1	41.5	42.3	44.3	45.1	47.4	47.7	50.2	51.1	48.9	48.6	
8	43.4	43.4	42.2	40.0	41.2	42.9	42.8	43.8	47.8	46.8	47.1	47.3	49.3	49.3	49.0	48.0	
9	44.7	43.1	41.9	41.9	44.0	44.9	43.7	42.5	42.3	43.1	45.2	48.5	51.4	52.4	51.6	50.7	
10	41.8	41.4	39.2	43.3	44.0	42.9	42.5	41.6	41.3	42.9	45.6	48.0	49.5	50.6	49.9	48.9	
11	45.1	44.4	43.6	42.9	42.9	42.6	42.0	41.7	42.2	43.8	47.2	47.4	49.0	50.4	50.0	48.7	
12 **	45.1	45.1	44.2	44.1	43.6	43.1	42.7	39.0	44.7	46.2	47.1	49.6	49.7	51.6	51.0	49.6	
13	41.8	41.6	40.9	41.4	42.6	42.8	43.9	45.0	42.8	43.6	46.9	49.2	50.9	52.6	50.7	49.1	
14	44.5	47.1	44.2	43.9	43.9	43.1	43.0	44.1	42.9	43.7	46.6	48.6	50.6	51.1	50.3	48.9	
15	45.7	46.0	43.7	44.0	45.2	42.0	42.9	42.9	42.1	43.5	45.7	46.9	48.9	49.9	50.6	49.7	
16	44.2	43.2	43.1	43.7	44.9	44.0	43.3	42.7	42.5	43.5	45.1	48.7	50.9	52.6	52.3	50.3	
17 *	45.9	45.0	45.0	44.4	44.5	44.6	44.1	42.8	42.6	43.6	44.9	47.0	50.0	51.2	50.7	49.7	
18 *	43.6	44.0	44.7	45.3	44.9	44.4	43.5	42.4	41.8	42.3	44.3	46.4	49.7	51.2	51.1	50.4	
19 **	43.3	44.7	43.9	43.6	43.7	46.1	43.9	44.2	43.0	41.1	43.8	48.8	52.4	52.8	53.3	52.9	
20	48.1	41.9	42.3	43.0	44.1	44.0	43.5	42.7	42.6	43.8	46.8	49.9	51.8	53.5	51.8	49.2	
21	44.6	44.0	43.8	43.8	42.8	42.1	44.3	44.0	43.3	43.4	44.5	46.1	49.1	51.3	51.4	49.1	
22	45.3	42.9	40.1	42.8	44.0	42.8	42.9	42.1	42.3	44.5	45.4	46.1	48.7	50.1	46.1	48.1	
23	44.3	46.2	44.8	45.6	44.1	44.4	44.8	44.4	43.6	44.1	44.9	46.1	48.0	48.5	48.4	48.1	
24 *	45.3	45.0	43.6	43.1	42.9	43.9	44.1	44.1	43.9	44.4	45.1	46.5	47.6	47.8	47.9	47.9	
25 *	45.1	45.1	44.7	44.4	44.2	44.1	43.4	42.8	42.2	42.6	44.3	46.9	49.0	49.3	48.9	47.8	
26	40.2	42.8	33.0	32.0	41.0	41.9	42.6	42.8	43.2	43.8	45.7	47.3	48.1	49.0	49.7	48.6	
27	45.2	47.1	47.0	45.0	44.7	45.0	45.5	44.6	44.0	45.1	45.6	47.8	48.8	50.1	48.8	47.9	
28 *	44.8	44.8	46.9	45.6	44.0	43.8	43.3	42.2	41.8	42.3	44.7	47.3	49.0	50.9	49.3	48.2	
29	41.6	41.3	41.4	43.8	44.8	47.1	48.0	47.6	46.0	48.2	48.8	51.3	51.8	49.8	49.0	48.2	
30	38.3	39.1	41.0	38.2	40.3	42.6	43.3	45.9	45.9	46.6	47.1	48.7	48.6	48.2	48.3	48.3	
Mean	44.0	44.0	43.5	43.2	43.7	43.9	43.8	43.4	43.2	44.2	46.0	48.1	50.1	51.0	50.4	49.2	
Mean *	44.9	44.8	45.0	44.6	44.1	44.2	43.7	42.9	42.5	43.0	44.7	46.8	49.1	50.1	49.6	48.8	
Mean **	43.4	44.3	45.7	43.7	43.6	44.1	42.9	42.1	42.8	43.7	45.9	49.6	51.4	52.4	51.7	50.0	
OCTOBER	9° + Tabular Quantities																
1 **	41.1	38.7	40.2	41.8	46.0	47.4	48.3	47.9	48.3	46.2	46.7	48.6	48.6	49.8	50.3	47.4	
2	42.9	45.3	47.8	43.2	43.4	46.1	48.6	46.6	44.2	44.7	45.0	47.2	49.6	48.4	48.9	48.5	
3	43.8	43.9	44.7	45.0	46.8	47.2	45.7	46.1	46.2	47.3	47.9	49.9	49.6	50.5	48.2	47.7	
4 *	40.9	41.1	41.1	43.8	45.4	45.6	46.2	47.2	46.2	46.8	47.1	47.7	48.9	49.1	48.9	48.2	
5	44.4	44.8	45.1	45.3	45.6	46.0	45.4	43.3	41.9	41.4	42.5	45.0	47.5	50.3	50.7	49.7	
6	42.9	42.8	45.4	41.0	45.7	45.8	45.1	41.6	39.9	41.1	43.9	46.6	49.9	50.9	51.1	49.4	
7	43.5	43.9	45.4	45.1	44.0	44.3	44.4	43.2	42.5	42.1	43.6	46.1	49.0	49.2	49.3	48.3	
8 **	38.8	46.4	31.0	41.6	42.0	42.1	41.5	41.4	40.2	42.5	44.6	49.1	51.7	51.5	53.5	52.1	
9 **	43.5	39.8	40.8	41.1	41.9	43.4	41.8	42.9	44.2	44.4	45.0	48.8	49.9	50.1	49.0	48.1	
10	45.8	45.1	43.9	43.7	44.0	44.6	44.0	43.6	42.6	42.6	46.5	49.4	50.2	49.0	49.8	48.6	
11	40.5	44.4	44.3	43.2	45.8	50.5	45.3	44.8	43.8	43.8	46.2	48.0	51.6	51.4	49.1	47.9	
12 *	44.8	44.0	45.0	43.3	42.9	43.9	43.8	43.6	43.2	43.3	45.6	47.4	49.6	50.1	49.6	48.1	
13	45.4	45.3	45.2	45.0	44.6	44.0	43.6	42.4	41.3	42.6	46.2	50.8	51.2	51.4	53.2	50.1	
14	42.8	36.6	41.2	42.7	43.2	45.4	47.8	45.5	42.6	43.6	45.1	46.6	48.7	51.6	49.8	48.2	
15 *	43.4	44.8	45.0	43.5	43.7	44.2	44.0	43.0	42.4	42.3	44.8	47.1	49.9	51.5	51.2	49.0	
16	40.8	44.0	44.4	44.5	45.7	45.1	44.2	43.0	42.0	42.0	46.6	48.1	53.0	53.1	50.7	50.0	
17 *	44.3	46.5	45.2	44.8	44.3	45.0	44.1	43.1	42.2	41.9	44.0	47.3	49.0	49.8	48.8	47.3	
18	44.9	45.7	41.9	38.8	41.7	42.8	43.2	42.4	41.5	41.8	44.2	47.1	49.8	50.6	49.9	48.1	
19	44.4	44.7	44.9	45.0	44.9	45.0	44.2	43.2	43.0	45.4	47.3	49.4	51.9	48.3	51.4	50.3	
20	41.9	44.2	44.7	44.3	44.1	44.6	44.3	43.1	42.4	43.1	44.7	47.3	49.3	50.8	49.5	46.5	
21	40.9	44.1	45.3	45.2	45.1	45.1	45.2	44.1	42.7	42.5	44.3	46.6	48.2	48.5	48.6	47.3	
22	43.4	44.9	45.4	45.0	46.2	47.1	46.4	45.7	44.0	44.0	46.4	49.0	51.6	53.3	56.9	51.8	
23	43.0	43.1	51.8	42.3	44.6	44.6	44.6	44.1	43.1	43.2	45.4	46.6	48.3	50.0	48.6	48.1	
24	44.9	43.5	43.1	46.2	44.7	45.0	44.3	43.6	43.1	43.9	46.1	49.9	52.7	50.3	49.3	44.7	
25 **	41.9	46.2	45.7	44.4	44.0	48.8	48.2	47.9	45.6	46.3	46.2	48.3	49.1	50.0	49.6	44.5	
26 **	45.1	46.6	45.1	43.8	44.3	43.6	44.0	45.0	47.2	46.5	46.7	49.0	49.3	50.2	47.0	47.9	
27	45.2	45.6	48.2	45.3	46.1	46.1	51.9	47.1	44.2	43.6	45.2	49.8	48.9	49.0	49.3	45.3	
28	42.8	47.0	45.6	47.8	47.0	44.2	44.2	43.9	43.8	44.2	44.6	46.1	47.9	49.3	47.4	47.6	
29	43.8	45.0	45.3	46.9	44.6	44.5	44.9	45.5	43.0	42.9	44.0	47.6	49.0	49.0	48.6	47.9	
30	42.8	43.3	44.1	44.4	45.6	43.7	43.1	43.6	42.8	43.7	44.4	47.4	48.3	48.8	49.1	48.6	
31 *	44.6	44.6	44.1	44.1	44.7	45.9	46.0	45.4	44.0	43.1	45.7	48.1	49.0	50.6	49.9	48.9	
Mean	43.2	44.0	44.2	43.9	44.6	45.2	45.1	44.3	43.4	43.6	45.4	47.9	49.7	50.2	49.9	48.3	
Mean *	43.6	44.0	44.1	43.9	44.2	44.9	44.8	44.5	43.6	43.5	45.4	47.5	49.3	50.2	49.7	48.3	
Mean **	42.1	43.5	40.6	42.5	43.6	45.1	44.8	45.0	45.1	45.2	45.8	48.8	49.7	50.3	49.9	48.0	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						SEPTEMBER
										h m		h m			
49.0	43.3	42.4	43.1	42.8	40.4	44.1	46.0	46.5		12 37	55.9	17 52	36.5	19.4	1
49.2	46.2	43.4	43.6	37.3	42.7	44.1	45.2	46.4		12 43	55.6	20 32	34.2	21.4	2 **
49.9	48.8	46.8	37.2	44.3	38.7	36.9	38.0	45.1		13 25	56.1†	22 02	31.0	25.1	3 **
43.8	45.2	46.2	43.1	42.8	41.9	43.2	44.4	44.0		13 12	51.3	00 07	34.2	17.1	4 **
49.3	47.0	45.8	45.0	44.7	44.0	45.8	44.0	46.4		14 30	55.3	08 42	41.5	13.8	5
47.9	45.6	42.9	41.2	41.2	40.2	41.6	42.2	45.3		06 54	52.7	21 14	38.2	14.5	6
47.7	46.7	45.8	44.8	44.4	45.4	45.5	44.3	45.8		13 00	52.6	06 40	40.2	12.4	7
47.1	46.7	45.9	46.1	45.9	45.8	45.6	45.0	45.5		13 53	49.9	03 03	38.2	11.7	8
50.3	48.9	46.8	40.7	42.7	43.8	43.0	42.0	45.4		13 22	52.5	22 38	38.6	13.9	9
48.0	47.3	46.5	46.4	46.1	46.2	45.9	45.4	45.2		13 26	50.8	02 16	38.6	12.2	10
47.5	46.7	46.3	45.9	45.6	45.4	44.0	44.2	45.4		13 33	50.8	07 54	40.0	10.8	11
47.9	45.4	38.4	43.1	38.1	44.9	39.3	41.1	44.8		14 14	53.8	22 42	23.2†	30.6	12 **
48.1	42.0	40.0	39.6	43.4	44.5	45.0	44.8	44.7		13 30	54.0	19 40	32.8	21.2	13
47.7	46.6	45.6	44.3	44.6	45.3	44.1	44.2	45.8		13 15	51.7	06 12	42.0	9.7	14
48.0	46.8	46.6	43.9	44.8	45.6	44.5	44.0	45.6		14 50	50.9	08 02	40.7	10.2	15
48.6	47.1	46.9	45.0	39.6	39.7	42.3	44.2	45.4		13 27	53.5	21 12	37.7	15.8	16
48.3	47.4	46.4	45.4	45.1	45.3	44.7	43.4	45.9		13 48	52.4	08 22	41.5	10.9	17 *
49.0	47.9	46.7	46.1	46.0	44.9	44.6	43.1	45.8		14 18	51.7	08 33	41.3	10.4	18 *
48.8	47.3	44.7	35.8	42.0	43.9	42.1	47.9	45.6		12 52	55.1	19 04	23.2†	31.9	19 **
47.8	46.4	46.2	46.5	45.8	45.6	45.4	44.9	46.2		13 38	54.0	01 09	38.3	15.7	20
46.6	49.2	47.9	47.3	46.0	44.5	45.4	45.3	45.8		14 43	53.3	05 07	41.4	11.9	21
47.8	44.2	45.1	44.2	43.4	43.9	44.6	44.8	44.7		13 33	51.6	02 38	38.9	12.7	22
47.2	45.4	45.0	45.6	45.3	45.8	45.3	45.6	45.6		13 33	49.0	05 00	41.9	7.1	23
47.8	47.8	46.6	45.9	44.5	44.9	45.5	45.3	45.5		14 53	48.1	04 06	41.9	6.2	24 *
46.8	48.8	48.4	47.5	46.8	46.2	45.9	45.3	45.9		13 38	50.0	24 00	41.1	8.9	25 *
37.1	46.3	48.2	45.0	39.4	42.7	44.2	44.4	43.3		14 52	50.3	03 12	28.9	21.4	26
46.4	46.0	45.6	45.0	45.1	44.5	43.1	44.7	45.9		13 13	50.8	22 10	42.2	8.6	27
46.8	46.4	46.9	46.6	46.3	46.1	42.7	42.5	45.6		13 38	51.8	23 10	39.1	12.7	28 *
48.0	47.7	46.0	43.7	40.2	43.8	32.5	35.9	45.3		12 10	52.2	22 12	31.2	21.0	29
47.6	46.6	46.2	45.8	45.7	45.5	44.9	44.4	44.9		12 37	49.4	00 00	35.7	13.7	30
47.5	46.6	45.5	44.1	43.7	44.1	43.5	43.9	45.4		-	52.2	-	37.1	15.1	Mean
47.7	47.7	47.0	46.3	45.7	45.5	44.7	43.9	45.7		-	50.8	-	41.0	9.8	Mean *
47.9	46.6	43.9	40.6	40.9	42.4	41.1	43.3	45.2		-	54.4	-	29.2	25.2	Mean **
									9° + Tabular Quantities						OCTOBER
46.0	38.6	41.6	43.8	34.9	35.9	40.8	41.4	44.2		13 07	51.5	20 10	28.1	23.4	1 **
44.6	40.4	42.9	44.9	45.2	44.8	44.2	42.9	45.4		14 16	51.4	16 56	37.4	14.0	2
46.4	46.1	44.8	44.3	45.0	44.4	42.6	42.2	46.1		13 13	51.4	22 54	40.0	11.4	3
46.8	44.2	43.1	44.3	42.9	43.7	43.3	42.1	45.2		13 17	49.2	00 32	39.8	9.4	4 *
47.6	46.1	45.7	44.1	33.3	41.6	44.1	43.0	44.8		14 20	51.3	20 35	31.3	20.0	5
46.8	45.7	45.6	45.4	45.0	44.9	41.2	41.2	45.0		12 57	52.0	08 17	39.2	12.8	6
47.1	45.2	45.2	46.0	46.2	45.9	35.7	39.8	44.8		14 10	50.1	22 16	29.3	20.8	7
51.0	47.3	41.1	44.2	42.4	43.3	42.3	38.4	44.2		14 24	54.6	02 22	24.1†	30.5	8 **
44.7	45.0	45.5	43.8	42.9	40.9	43.8	42.1	44.3		11 52	52.8	01 52	35.2	17.6	9 **
43.4	42.2	41.8	38.8	43.9	45.0	42.0	42.8	44.7		12 12	53.6	18 55	29.1	24.5	10
47.1	44.3	43.8	43.8	38.4	40.2	41.4	42.6	45.1		13 34	53.3	20 40	34.0	19.3	11
46.7	45.7	45.5	45.2	45.1	44.8	44.8	45.2	45.5		13 08	50.6	04 22	42.0	8.6	12 *
48.8	47.2	45.8	44.4	43.6	42.3	40.3	41.8	45.7		14 37	55.1	22 33	39.1	16.0	13
48.3	46.6	39.4	36.7	40.2	42.0	40.8	43.1	44.1		13 44	53.9	18 42	32.0	21.9	14
46.6	45.8	45.8	45.1	44.9	44.3	44.0	41.0	45.3		13 53	51.9	23 38	39.8	12.1	15 *
47.6	47.0	46.7	41.1	43.1	42.3	41.6	38.7	45.2		12 52	55.1	19 13	36.8	18.3	16
45.9	45.7	45.6	45.1	44.8	44.8	44.8	44.9	45.3		13 45	50.0	00 00	40.4	9.6	17 *
46.8	43.8	41.3	44.4	45.0	44.7	44.0	43.8	44.5		13 13	51.8	03 01	35.2	16.6	18
45.7	46.9	46.4	45.8	39.9	38.1	41.4	41.1	45.4		15 18	55.8	20 29	36.2	19.6	19
47.6	46.9	45.1	42.9	43.3	41.9	43.5	41.6	44.9		13 35	51.8	23 53	39.2	12.6	20
46.2	42.0	43.0	43.2	43.8	44.3	43.1	43.6	44.7		12 15	49.0	17 45	38.9	10.1	21
47.8	45.3	45.4	44.2	42.4	40.3	39.6	42.8	46.2		14 14	58.7†	21 46	35.9	22.8	22
45.1	41.5	44.0	45.3	43.1	38.8	43.0	44.5	44.9		02 21	55.2	21 07	37.1	18.1	23
46.3	40.1	34.1	42.5	35.9	40.4	40.3	40.2	44.0		12 29	54.7	18 00	26.1	28.6	24
40.3	44.9	34.4	39.9	37.7	38.3	37.8	41.7	44.2		05 50	52.2	18 37	28.1	24.1	25 **
43.4	42.0	35.9	36.7	36.1	38.6	42.5	42.9	44.1		12 50	52.0	18 14	26.1	25.9	26 **
46.9	44.2	41.9	43.5	40.9	42.4	43.2	44.6	45.8		06 46	57.0	20 48	39.1	17.9	27
45.0	43.7	42.6	39.0	40.8	41.5	41.5	43.2	44.6		13 44	50.8	19 30	34.4	16.4	28
46.0	40.0	44.2	44.7	43.3	42.2	43.2	42.9	45.0		11 56	50.6	17 22	38.9	11.7	29
46.1	44.1	41.9	42.7	42.6	43.4	42.4	42.6	44.6		13 57	50.0	18 27	38.0	12.0	30
47.4	45.6	41.3	42.7	43.8	41.4	41.3	42.1	45.2		13 51	51.1	21 51	35.9	15.2	31 *
46.3	44.3	42.9	43.2	41.9	42.2	42.1	42.3	44.9		-	52.5	-	35.1	17.5	Mean
46.7	45.4	44.3	44.5	44.3	43.8	43.6	43.1	45.3		-	50.6	-	39.6	11.0	Mean *
45.1	43.6	39.7	41.7	38.8	39.4	41.4	41.3	44.2		-	52.6	-	28.3	24.3	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
NOVEMBER							9° + Tabular Quantities										
1	43.9	45.4	44.6	44.1	43.9	44.1	43.9	43.4	42.7	42.5	44.2	45.2	47.7	48.7	47.9	47.1	
2	42.3	43.9	45.4	45.9	45.3	45.1	44.6	43.9	42.6	42.5	44.3	47.3	49.8	49.1	49.7	48.2	
3	40.7	43.3	45.0	44.9	45.0	45.0	45.0	44.8	43.2	42.1	44.2	45.2	48.0	48.9	48.3	48.2	
4	43.0	43.2	43.8	44.1	45.7	46.0	44.4	44.2	43.0	43.1	44.0	46.6	47.9	48.7	49.3	47.8	
5	44.3	44.3	44.6	44.3	44.1	44.1	45.0	45.1	43.4	43.1	43.8	45.9	47.0	47.4	47.2	46.8	
6 **	44.2	44.7	45.3	45.0	43.0	45.0	43.8	43.2	42.8	42.5	43.9	45.8	47.4	47.7	47.6	47.1	
7	44.9	44.8	49.0	42.9	42.6	44.8	44.1	44.1	43.1	43.8	45.1	48.6	48.7	47.4	47.9	46.2	
8	43.9	44.2	44.4	44.0	44.0	43.7	43.3	43.1	43.2	43.9	45.9	47.8	48.2	48.0	47.9	46.8	
9	43.8	44.2	44.3	44.7	44.4	44.2	44.1	43.9	43.3	44.0	45.3	47.1	48.1	48.2	47.3	46.4	
10 *	44.3	44.5	45.0	44.1	44.6	44.1	43.9	43.4	42.9	43.0	44.4	45.9	47.2	47.6	46.7	45.9	
11	44.2	45.0	45.1	45.0	45.0	44.9	43.8	44.0	43.5	43.3	44.0	46.2	47.6	48.8	48.4	47.7	
12 *	43.5	45.3	44.0	44.1	44.5	44.0	43.6	42.8	42.1	42.1	43.3	45.5	47.1	47.7	46.8	45.7	
13 *	42.2	43.9	44.9	45.0	45.2	44.9	44.3	44.0	43.5	43.0	44.2	46.1	48.0	48.5	48.0	46.9	
14	43.1	43.7	44.6	45.1	45.3	45.1	44.7	44.0	43.4	43.0	43.9	45.2	46.8	47.7	48.0	47.9	
15 **	43.8	44.1	44.4	44.7	44.6	44.8	43.6	44.4	44.5	42.9	44.0	47.4	50.2	55.3	51.5	50.0	
16 **	32.2	38.6	41.2	45.9	44.0	43.6	44.7	45.6	45.0	43.3	43.9	44.9	45.1	46.6	48.5	42.2	
17	43.9	42.8	42.5	45.5	45.2	44.3	44.2	44.2	44.0	43.8	44.4	45.6	47.5	47.3	45.6	45.9	
18 *	43.6	43.8	44.0	44.2	44.3	44.3	44.1	43.8	43.3	43.3	44.0	45.0	45.7	46.2	45.7	45.2	
19	44.0	44.1	44.3	44.2	44.4	44.5	44.3	44.0	43.6	43.0	44.0	45.5	46.7	47.2	46.9	45.9	
20 *	44.7	44.9	44.8	44.9	44.8	44.2	43.7	43.9	43.3	43.6	45.1	46.7	47.6	47.8	47.0	46.0	
21	44.0	43.8	45.0	45.0	43.7	44.3	47.7	51.0	48.1	47.3	47.6	48.6	49.2	48.1	49.1	47.6	
22 **	40.5	39.7	40.8	41.6	45.6	47.4	51.6	49.0	47.7	48.6	46.8	48.0	47.5	48.2	47.8	43.8	
23	45.6	45.5	44.1	46.6	46.1	45.9	43.3	43.9	42.9	44.1	44.9	45.0	46.3	47.0	44.8	45.5	
24	44.5	45.2	44.6	44.4	45.0	44.5	43.8	44.8	45.0	47.5	46.4	48.1	47.0	47.8	46.9	44.8	
25	43.6	42.6	44.7	44.9	45.6	44.8	44.1	45.8	44.3	44.3	44.0	47.2	46.5	45.5	45.2	44.4	
26	45.0	44.3	44.4	44.6	44.4	44.2	44.1	43.8	43.6	43.6	44.2	46.3	46.4	46.4	45.6	44.9	
27	44.6	43.7	43.4	44.3	44.1	43.5	43.7	43.4	43.1	43.3	44.8	46.0	46.1	45.5	45.0	44.8	
28	41.9	42.7	44.1	45.1	44.6	44.6	44.1	43.7	43.1	43.0	44.0	45.1	46.7	47.7	47.2	46.0	
29	43.4	44.0	44.3	44.7	44.7	44.5	44.5	43.9	43.5	43.5	45.6	47.6	49.6	48.1	47.1	46.1	
30 **	43.0	43.7	41.7	41.5	42.0	45.7	49.3	48.1	47.8	44.8	47.3	48.2	48.6	49.4	47.0	45.4	
Mean	43.2	43.8	44.3	44.5	44.5	44.7	44.6	44.6	43.8	43.7	44.7	46.5	47.5	48.0	47.4	46.2	
Mean *	43.7	44.5	44.5	44.5	44.7	44.3	43.9	43.6	43.0	43.0	44.2	45.8	47.1	47.6	46.8	45.9	
Mean **	40.7	42.2	42.7	43.7	43.8	45.3	46.6	46.1	45.6	44.4	45.2	46.9	47.8	47.4	48.5	45.7	
DECEMBER							9° + Tabular Quantities										
1	42.8	42.9	45.2	44.8	44.0	43.8	43.5	43.1	42.7	42.8	43.8	45.5	45.7	45.8	45.1	45.0	
2 *	43.6	43.8	44.3	44.6	44.7	44.5	44.1	43.5	43.3	43.0	43.7	45.4	45.7	45.6	44.9	44.6	
3	43.3	43.7	44.0	44.4	44.4	44.1	43.7	43.8	43.8	43.6	43.9	45.1	45.8	46.8	46.5	46.3	
4	43.7	43.8	44.0	44.7	44.9	45.1	44.7	44.4	44.5	46.9	47.7	49.6	50.4	49.0	48.8	50.1	
5	40.9	39.6	40.9	43.4	44.0	44.0	43.6	44.1	44.2	43.7	44.3	44.8	45.5	45.8	46.7	45.9	
6 *	43.2	42.5	43.4	43.8	43.8	43.9	44.0	43.8	43.9	43.9	44.1	44.6	45.6	46.0	45.5	45.0	
7 *	43.4	42.9	43.3	43.1	43.3	43.7	44.0	43.7	43.8	43.9	44.5	45.7	45.9	46.6	45.3	45.1	
8	43.9	44.0	43.7	43.9	43.7	43.8	43.8	43.5	44.1	45.0	47.0	47.8	48.1	47.4	46.6	45.8	
9	43.6	43.0	43.3	43.5	44.5	45.1	43.3	43.5	43.3	43.8	44.5	44.9	45.8	46.1	45.7	45.3	
10	44.1	44.0	44.1	44.2	44.1	43.8	43.6	43.4	43.4	43.8	44.9	46.3	47.3	46.8	45.7	44.8	
11 **	41.3	41.6	41.9	42.6	43.0	41.9	42.5	42.8	43.4	43.3	43.8	46.0	48.7	50.0	49.2	50.3	
12	40.2	41.6	40.7	44.4	44.3	43.7	43.6	43.2	42.9	42.7	44.0	45.1	45.8	46.1	45.3	44.6	
13	38.7	40.4	39.7	40.0	41.2	41.7	42.3	42.7	42.7	43.0	44.4	46.4	47.6	47.3	48.1	47.4	
14	41.6	41.1	41.4	41.2	41.8	42.4	43.3	43.4	43.4	42.9	45.4	46.6	47.2	47.2	48.4	46.0	
15	41.0	41.4	43.3	43.0	44.4	42.9	44.0	43.4	42.8	43.8	43.9	44.8	45.3	45.4	45.0	45.0	
16	42.4	43.3	44.0	44.4	43.9	43.9	44.1	44.1	44.1	43.7	44.7	45.7	46.5	46.0	44.9	44.3	
17 **	41.6	42.9	43.5	44.0	44.5	44.5	44.4	44.3	44.4	44.9	45.1	45.8	45.8	46.3	46.9	45.7	
18 **	27.6	33.4	41.2	37.8	42.9	44.3	45.2	45.3	44.5	43.4	43.6	44.6	45.0	45.4	43.2	40.5	
19 **	37.7	34.0	36.7	42.2	43.5	44.6	45.2	49.5	48.3	46.0	46.1	44.5	46.1	44.3	44.1	40.7	
20 **	39.6	41.0	43.4	43.5	48.5	43.8	43.6	44.7	46.1	46.6	47.5	44.8	45.9	46.6	41.9	41.1	
21	41.9	42.5	42.5	41.7	44.2	44.8	46.9	47.1	45.0	43.6	43.3	43.8	44.4	43.6	43.8	43.2	
22	42.5	42.9	45.0	44.7	44.1	43.1	43.1	43.6	43.2	42.8	44.0	44.4	45.5	46.5	45.8	44.3	
23 *	42.6	43.3	43.9	43.9	43.6	43.1	43.5	43.4	43.1	42.5	43.6	43.9	44.8	45.3	45.0	44.3	
24	43.4	43.7	43.6	43.6	43.4	43.0	43.0	43.0	43.6	43.3	44.7	45.0	45.8	45.1	45.6	44.4	
25 *	44.5	44.4	43.4	43.4	42.7	42.8	42.8	43.0	42.8	42.6	43.3	44.8	45.5	46.0	45.2	44.1	
26	42.3	43.9	44.1	44.4	44.4	44.4	44.3	43.3	42.8	43.5	44.9	45.7	47.2	46.9	50.5	46.1	
27	42.0	43.5	43.7	43.7	44.2	44.0	43.6	43.3	42.7	42.6	43.3	43.4	44.2	45.6	45.4	44.4	
28	43.4	43.5	43.8	44.1	44.3	44.0	43.4	42.8	42.1	41.7	42.6	44.0	44.9	45.8	45.9	45.0	
29	42.6	43.6	44.0	44.5	44.2	44.3	43.8	43.3	42.1	41.8	43.0	44.0	45.3	45.4	45.4	43.8	
30	42.7	43.1	43.7	44.4	44.5	44.3	44.1	43.4	42.7	42.4	43.4	44.6	45.8	46.0	45.0	44.0	
31	41.1	42.1	42.4	42.8	42.8	42.7	43.3	42.8	42.5	42.6	45.7	47.8	48.5	47.6	48.7	48.9	
Mean	41.7	42.2	43.0	43.4	43.9	43.7	43.8	43.8	43.6	43.6	44.5	45.3	46.2	46.3	45.9	45.0	
Mean *	43.5	43.4	43.7	43.8	43.6	43.6	43.7	43.5	43.4	43.2	43.8	44.9	45.5	45.9	45.2	44.6	
Mean **	37.6	38.6	41.3	42.0	44.5	43.8	44.2	45.3	45.3	44.8	45.2	45.1	46.3	46.5	45.1	43.7	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						NOVEMBER
										h m		h m			
46.8	46.4	43.7	43.7	44.7	43.3	37.8	38.9	44.4		13 42	49.2	22 32	36.4	12.8	1
47.2	46.3	46.4	45.1	41.0	34.3	35.1	33.8	44.1		13 10	51.1	23 06	31.9	19.2	2
45.9	46.2	45.9	44.8	39.6	41.2	39.0	44.7	44.5		13 22	49.7	20 18	35.8	13.9	3
48.6	47.9	45.9	45.9	42.7	35.0	43.8	44.0	44.9		15 07	51.2	21 17	27.8	23.4	4
46.1	45.6	45.2	45.2	44.9	44.7	43.8	43.8	45.0		13 49	48.1	09 00	41.8	6.3	5
46.6	46.5	31.9	38.9	42.3	33.5	38.2	42.1	43.3		14 34	49.0	21 13	25.9	23.1	6 **
46.0	45.3	45.2	45.0	44.6	44.2	43.7	43.0	45.2		02 08	52.0	03 58	41.4	10.6	7
44.6	45.8	45.6	45.3	44.1	43.0	43.3	44.1	44.9		14 19	49.0	21 00	40.9	8.1	8
45.7	45.2	44.8	44.8	44.9	42.8	41.8	42.7	44.8		13 04	48.7	23 00	39.8	8.9	9
45.3	44.6	44.5	44.3	44.2	44.0	42.7	43.7	44.6		13 05	47.9	22 38	41.6	6.3	10 *
46.7	46.1	45.1	44.0	41.8	41.3	41.5	42.5	44.8		15 20	50.3	21 01	39.5	10.8	11
45.4	45.0	44.5	44.0	43.9	43.7	42.5	42.5	44.3		13 30	48.0	22 25	41.1	6.9	12 *
46.3	45.7	44.9	44.3	44.2	43.7	43.1	43.0	44.9		13 09	48.6	00 09	41.6	7.0	13 *
47.5	46.4	47.1	43.8	37.3	41.5	43.5	43.7	44.7		16 06	48.7	20 04	28.6	20.1	14
48.9	47.5	46.0	43.5	43.6	33.5	32.6	37.9	44.7		13 23	59.1†	21 49	30.4	28.7	15 **
43.4	38.3	41.9	41.7	41.0	42.4	42.7	41.6	42.8		14 36	50.7	00 15	24.7†	26.0	16 **
43.8	45.2	45.0	44.5	44.0	43.9	43.5	43.6	44.6		12 41	48.0	02 40	40.9	7.1	17
45.0	44.9	44.5	44.0	43.7	43.0	43.9	43.9	44.3		13 38	46.6	21 31	41.8	4.8	18 *
45.1	45.1	45.0	44.2	38.9	40.0	41.3	43.7	44.2		13 50	47.8	20 45	34.8	13.0	19
45.5	45.4	45.1	45.0	44.9	44.8	44.1	43.7	45.1		13 28	48.0	22 52	42.9	5.1	20 *
42.0	40.2	38.9	40.0	40.7	42.2	42.6	43.0	45.0		07 13	53.4	16 58	33.4	20.0	21
39.9	42.3	37.9	41.4	38.7	38.4	39.2	44.4	44.0		06 31	53.5	21 11	28.1	25.4	22 **
45.8	43.5	44.8	44.7	40.5	42.2	40.4	42.1	44.4		13 48	48.3	20 21	38.9	9.4	23
45.0	44.0	41.8	42.6	41.9	42.0	41.5	41.4	44.6		11 11	49.0	18 44	38.9	10.1	24
42.4	41.7	43.5	43.2	41.7	40.7	42.7	43.9	44.1		11 42	48.8	21 33	38.6	10.2	25
44.6	44.3	43.7	43.4	43.1	42.9	42.9	43.6	44.3		12 03	47.1	19 53	42.4	4.7	26
41.7	43.7	44.0	43.4	39.1	42.0	42.8	42.7	43.7		11 14	46.7	20 22	37.7	9.0	27
45.0	43.7	43.8	43.2	42.8	42.1	41.8	42.5	44.1		14 01	48.5	00 53	40.9	7.6	28
44.8	44.8	45.7	41.2	43.3	42.9	42.6	43.2	44.7		12 31	50.6	19 19	36.8	13.8	29
44.3	43.5	43.4	42.7	41.1	38.2	39.7	40.4	44.5		13 55	50.9	21 21	35.5	15.4	30 **
45.2	44.7	43.9	43.6	42.3	41.2	41.5	42.5	44.5		-	49.6	-	36.7	12.9	Mean
45.5	45.1	44.7	44.3	44.2	43.8	43.3	43.4	44.6		-	47.8	-	41.8	6.0	Mean *
44.6	43.6	40.2	41.6	41.3	37.2	38.5	41.3	43.8		-	52.6	-	28.9	23.7	Mean **
									9° + Tabular Quantities						DECEMBER
44.1	44.3	43.4	40.1	41.9	42.5	42.8	43.3	43.7		02 55	47.0	19 05	38.0	9.0	1
44.8	44.7	44.4	43.6	42.1	42.4	42.7	42.8	44.0		12 47	45.8	19 58	41.0	4.8	2 *
46.0	45.5	41.9	43.5	44.1	43.9	43.5	43.6	44.4		13 46	47.4	18 37	39.7	7.7	3
44.8	43.6	44.6	45.6	44.4	43.2	43.0	41.1	45.5		12 11	52.3	23 58	38.8	13.5	4
45.4	44.8	44.7	44.5	43.8	43.5	42.9	42.6	43.9		14 24	47.3	00 05	38.3	9.0	5
44.8	44.5	43.9	43.4	43.9	43.8	43.6	43.7	44.1		13 19	46.4	01 16	42.1	4.3	6 *
45.1	44.7	44.9	45.4	43.8	43.9	43.3	43.5	44.3		13 13	47.0	20 54	42.5	4.5	7 *
45.9	45.1	44.4	44.1	42.8	42.0	41.4	42.6	44.6		11 23	48.2	22 29	40.4	7.8	8
44.3	44.2	43.7	43.6	43.7	43.7	43.6	43.1	44.1		05 08	47.2	01 02	42.6	4.6	9
45.1	45.4	44.4	43.2	43.4	40.7	38.0	41.7	44.0		13 00	47.6	22 33	35.8	11.8	10
49.5	46.6	43.8	30.8	40.9	41.0	36.2	36.2	43.2		15 50	51.8	19 19	17.6	34.2	11 **
44.2	43.8	43.4	40.8	41.3	41.3	38.4	37.7	42.9		13 25	46.3	23 27	35.5	10.8	12
45.1	44.1	43.7	43.2	43.2	40.7	35.9	40.8	42.9		14 40	48.5	22 25	33.8	14.7	13
46.3	45.3	43.7	39.8	38.1	39.9	40.9	40.6	43.2		14 15	49.1	20 08	35.4	13.7	14
44.9	45.0	44.8	44.3	43.5	41.1	40.9	41.6	43.6		12 57	46.2	21 57	37.6	8.6	15
44.4	44.3	44.1	42.9	41.4	42.8	42.9	42.5	44.0		12 16	46.6	20 42	40.6	6.0	16
46.3	31.6	41.9	42.9	34.4	33.4	24.6	33.3	41.8		16 30	47.9	22 07	5.2†	42.7	17 **
40.3	41.5	37.7	32.4	31.7	35.9	37.4	42.1	40.3		13 46	47.1	00 38	22.7	24.4	18 **
36.6	38.2	31.4	31.0	40.6	40.7	40.1	38.9	41.3		08 28	51.7	19 16	23.6	28.1	19 **
42.0	33.0	34.9	36.5	41.9	41.8	39.1	37.4	42.3		04 22	50.7	17 23	26.6	24.1	20 **
42.6	39.0	38.9	39.0	40.3	39.8	42.1	42.9	42.8		07 04	48.7	18 55	27.7	21.0	21
42.6	43.0	41.0	41.5	41.6	41.6	42.1	42.6	43.4		14 18	46.8	18 33	39.6	7.2	22
43.6	43.3	43.1	43.1	43.1	43.1	43.2	43.4	43.6		13 26	45.5	00 00	42.1	3.4	23 *
43.5	43.4	42.9	41.7	41.0	41.7	42.7	43.4	43.5		12 40	46.6	20 12	40.5	6.1	24
43.6	43.4	43.6	43.5	43.0	42.8	42.5	41.5	43.6		13 12	46.6	23 52	40.6	6.0	25 *
44.5	41.7	41.3	41.0	38.8	39.5	38.6	39.3	43.5		14 33	52.5†	22 26	35.7	16.8	26
43.9	44.0	43.8	42.7	41.8	39.5	41.6	42.7	43.3		14 15	46.4	21 32	36.7	9.7	27
44.8	44.6	44.0	43.0	39.4	38.4	39.5	40.0	43.1		14 01	46.6	20 27	37.6	9.0	28
43.4	44.3	43.5	43.3	42.8	42.3	41.2	42.1	43.5		13 57	45.8	22 26	40.7	5.1	29
44.1	44.1	44.0	43.7	43.1	42.1	41.6	42.0	43.7		12 53	46.5	22 42	40.6	5.9	30
48.8	46.4	45.1	43.8	43.2	42.4	41.8	42.1	44.4		15 07	50.8	00 19	40.5	10.3	31
44.4	43.1	42.6	41.5	41.6	41.3	40.6	41.3	43.4		-	47.9	-	35.5	12.4	Mean
44.4	44.1	44.0	43.8	43.2	43.2	43.1	43.0	43.9		-	46.3	-	41.7	4.6	Mean *
42.9	38.2	37.9	34.7	37.9	38.6	35.5	37.6	41.8		-	49.8	-	19.1	30.7	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JANUARY	18000 γ + Tabular Quantities (in γ)																
1	759	764	766	762	773	774	772	773	769	763	758	755	755	760	764	767	
2	769	771	770	776	777	773	781	769	765	750	735	742	741	747	747	756	
3	763	764	764	766	769	773	774	774	767	759	751	746	747	755	765	769	
4 *	763	763	766	768	771	772	774	774	770	764	757	754	756	760	764	767	
5 *	766	767	766	769	772	775	775	776	774	769	767	765	767	767	771	775	
6	768	770	771	776	778	777	780	780	778	775	773	771	768	767	771	771	
7	771	771	773	776	777	780	784	785	786	785	780	777	772	772	770	770	
8	763	764	767	769	768	771	773	776	777	773	766	767	765	763	757	759	
9	770	771	773	774	776	777	778	780	781	777	776	769	757	762	758	756	
10 **	768	771	784	797	746	780	780	787	807	795	741	701	697	703	684	671	
11 **	735	743	738	742	753	750	739	745	741	738	739	739	737	733	732	736	
12	751	750	752	753	754	760	758	759	756	756	757	752	748	748	751	752	
13	762	757	759	760	761	761	764	765	761	761	759	753	751	755	758	761	
14	766	767	768	769	769	769	770	766	764	761	761	766	769	769	771	755	
15	762	758	756	756	755	759	761	762	759	748	744	748	757	761	756	757	
16 **	759	758	758	759	761	766	769	769	768	766	759	748	729	753	757	759	
17	760	759	759	759	762	765	768	767	764	754	744	738	744	755	765	766	
18	764	764	765	765	766	769	773	773	769	765	765	759	761	765	767	766	
19 **	768	775	777	775	776	777	775	786	780	770	765	758	757	739	731	721	
20	751	754	755	755	757	762	764	770	767	759	757	755	752	754	754	755	
21	764	761	761	767	772	777	775	776	775	773	772	767	759	740	756	759	
22 *	760	760	762	763	765	769	770	773	771	763	755	749	746	753	759	761	
23 *	769	768	767	767	769	771	772	772	772	771	773	770	768	767	765	763	
24 *	771	770	770	770	771	773	776	775	775	771	766	762	759	764	768	772	
25	772	771	770	769	774	776	784	787	787	775	765	761	762	765	766	769	
26	774	764	765	768	772	776	776	777	770	760	753	747	751	755	761	755	
27 **	776	784	770	772	774	788	785	775	767	761	744	755	756	757	756	757	
28	765	766	766	767	770	775	774	767	767	760	759	758	758	762	765	764	
29	767	768	772	771	775	777	776	776	770	765	759	760	763	746	747	757	
30	777	766	765	767	773	777	777	773	773	765	756	751	746	752	751	759	
31	765	767	772	771	774	775	776	777	775	767	760	756	754	754	756	764	
Mean	764	765	765	767	768	772	773	773	771	765	759	755	753	755	756	757	
Mean *	766	766	766	767	770	772	773	774	772	768	764	760	759	762	765	768	
Mean **	761	766	765	769	762	772	770	772	773	766	750	740	735	737	732	729	
FEBRUARY	18000 γ + Tabular Quantities (in γ)																
1 *	772	772	774	775	777	778	782	783	778	768	763	764	766	771	777	782	
2	773	775	769	770	776	781	785	785	779	773	768	766	767	765	765	770	
3	769	769	769	772	774	778	782	785	779	772	769	768	768	765	770	773	
4 **	776	773	776	777	780	783	785	789	788	787	799	796	784	740	734	742	
5	750	753	753	745	744	746	749	751	751	749	746	745	749	754	755	757	
6	764	763	762	763	765	768	768	768	767	765	762	763	763	766	767	766	
7 **	773	778	776	768	767	766	769	780	776	747	756	762	761	757	754	735	
8 *	765	765	766	767	766	768	770	774	773	767	766	761	764	769	770	772	
9	775	772	781	773	774	778	781	783	783	776	773	769	768	768	771	770	
10 *	778	781	775	777	778	779	781	780	779	773	770	766	765	770	774	776	
11	778	777	785	780	780	780	782	780	775	770	776	771	767	778	786	786	
12 **	746	741	742	742	748	756	765	758	754	747	747	749	750	752	755	756	
13	760	757	763	758	765	768	774	775	770	760	755	739	759	771	771	769	
14	785	763	756	757	767	768	767	766	768	765	757	756	758	763	767	773	
15	766	765	766	766	781	784	777	777	775	766	763	762	762	766	774	776	
16 **	785	789	794	789	794	797	792	786	777	773	742	711	725	729	713	708	
17	760	756	749	747	753	759	759	768	754	745	753	753	755	756	753	743	
18	759	760	761	764	766	767	770	771	773	760	762	761	759	760	764	766	
19 *	764	766	767	770	774	774	773	775	776	772	765	758	754	755	756	761	
20	771	771	772	774	776	779	784	784	779	774	764	763	757	753	756	760	
21	771	772	773	775	777	782	783	784	784	776	773	766	762	761	757	765	
22	774	774	785	790	792	802	804	800	795	786	774	760	742	755	760	745	
23	772	770	770	774	772	780	778	782	786	785	770	766	773	777	758	757	
24	770	771	773	773	776	777	785	786	784	778	773	761	762	761	756	750	
25	772	773	772	771	770	776	781	779	780	776	767	760	757	755	756	758	
26 **	760	767	770	771	774	782	782	781	783	779	784	783	792	795	798	800	
27	767	766	773	770	772	781	784	781	777	756	744	736	748	734	739	730	
28 *	767	768	767	767	767	767	768	771	766	765	763	754	755	758	760	764	
Mean	769	768	769	769	772	775	777	778	775	768	764	760	760	761	761	761	
Mean *	769	770	770	771	772	773	775	777	772	769	765	761	761	765	767	771	
Mean **	768	770	772	769	773	777	779	779	776	767	766	760	762	755	751	748	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
18000 γ + Tabular Quantities (in γ)															JANUARY
										h m		h m		γ	
768	769	771	772	771	770	767	770	766		23 41	782	12 08	751	31	1
752	753	756	760	761	759	756	761	759		06 35	783	10 05	730	53	2
769	770	769	767	764	761	760	760	764		06 36	774	12 14	743	31	3
770	769	770	769	769	769	768	767	766		06 50	774	11 38	752	22	4 *
776	775	776	775	775	772	771	769	771		07 06	777	11 22	763	14	5 *
769	766	764	768	774	776	775	773	772		06 39	782	18 10	762	20	6
768	765	769	769	761	753	753	759	772		07 53	787	21 55	749	38	7
760	759	771	776	776	775	774	773	768		08 49	778	17 10	750	28	8
756	755	759	758	753	759	767	769	767		07 50	781	17 35	749	32	9
666	696	688	687	721	721	730	745	736		08 14	815†	19 26	648†	167	10 **
738	741	745	745	750	751	751	759	742		23 23	764	00 27	729	35	11 **
753	753	751	751	753	754	755	758	754		23 51	772	13 18	746	26	12
761	761	761	759	759	760	765	766	760		00 00	770	12 27	749	21	13
733	734	742	739	745	745	747	760	759		22 53	783	22 07	726	57	14
765	767	765	761	764	761	764	769	759		23 17	779	10 18	739	40	15
757	757	766	762	754	762	753	756	759		08 08	773	12 30	721	52	16 **
765	767	765	764	763	766	765	764	760		07 04	770	12 05	738	32	17
763	770	774	774	774	774	771	768	768		19 06	775	16 22	757	18	18
714	715	739	746	748	750	752	750	756		07 02	790	16 44	700	90	19 **
757	759	761	759	765	765	765	765	759		07 40	773	12 29	751	22	20
760	761	765	767	765	762	758	762	765		05 43	780	13 16	733	47	21
760	761	766	769	771	771	770	770	763		07 50	776	12 20	744	32	22 *
765	769	772	772	773	773	772	772	770		21 47	774	15 10	761	13	23 *
768	769	773	774	773	774	772	772	770		07 00	776	12 37	760	16	24 *
773	773	775	772	774	775	776	779	773		08 22	793	11 10	760	33	25
755	757	751	751	765	771	766	770	763		00 06	781	11 30	746	35	26
757	759	759	767	764	759	766	765	766		01 05	796	10 38	740	56	27 **
763	761	762	767	768	767	768	768	765		06 20	778	11 40	757	21	28
766	768	769	770	771	773	771	768	767		23 58	788	13 52	743	45	29
768	771	774	773	768	758	759	765	765		00 01	787	12 43	743	44	30
771	774	774	774	775	774	774	773	769		07 42	779	13 10	752	27	31
757	759	761	762	763	763	763	765	763		-	780	-	742	38.6	Mean
768	769	771	772	772	772	771	770	768		-	775	-	756	19.4	Mean *
726	734	739	741	747	749	750	755	752		-	788	-	708	80.0	Mean **
18000 γ + Tabular Quantities (in γ)															FEBRUARY
784	785	785	785	783	781	779	775	777		18 07	787	10 21	762	25	1 *
774	779	781	781	776	771	766	767	773		00 52	786	22 37	762	24	2
773	776	779	777	777	778	775	772	774		07 41	786	13 30	763	23	3
730	707	725	730	742	747	750	756	762		11 50	808	17 24	691	117	4 **
756	763	764	767	767	767	767	765	755		22 17	771	03 17	740	31	5
767	772	776	777	774	778	776	777	768		23 15	790	10 37	759	31	6
738	738	759	759	765	767	767	766	762		02 07	803	17 41	724	79	7 **
770	771	773	777	778	775	774	775	770		20 51	779	11 32	759	20	8 *
767	767	769	773	775	773	775	775	774		02 38	784	12 58	758	26	9
773	773	777	778	780	780	779	779	776		00 55	786	12 21	763	23	10 *
784	785	785	755	737	722	727	742	770		02 24	791	22 00	713	78	11
750	756	752	752	764	756	767	760	753		21 51	798	01 00	727	71	12 **
757	758	766	764	767	767	767	791	765		23 46	813	11 23	733	80	13
771	775	775	774	777	786	760	759	767		21 02	815†	23 10	743	72	14
776	764	758	777	787	789	785	784	773		20 59	801	17 42	748	53	15
687	704	707	695	711	725	735	763	747		05 20	803	16 33	673†	130	16 **
751	755	757	763	757	766	762	768	756		00 00	788	15 42	738	50	17
764	764	755	755	764	765	764	766	763		08 25	775	18 52	739	36	18
764	766	769	771	770	772	772	772	767		08 13	779	12 05	753	26	19 *
766	773	776	776	775	767	765	772	770		07 10	785	13 05	751	34	20
755	749	757	767	768	775	775	774	770		08 00	788	17 22	745	43	21
750	758	764	770	774	776	776	774	774		05 57	811	12 24	737	74	22
757	764	770	772	773	771	774	770	772		09 09	788	14 45	741	47	23
756	760	747	755	766	768	771	772	768		06 28	789	18 14	738	51	24
759	771	772	776	770	773	774	774	770		23 21	786	14 38	752	34	25
794	786	758	732	746	762	776	772	776		15 33	813	18 57	719	94	26 **
736	745	754	740	750	766	769	768	758		06 53	789	15 46	718	71	27
765	769	772	773	774	777	777	777	767		22 04	779	11 59	750	29	28 *
760	762	764	763	766	768	768	770	767		-	792	-	739	52.6	Mean
771	773	775	777	777	777	776	776	771		-	782	-	757	24.6	Mean *
740	738	740	734	746	751	759	763	760		-	805	-	707	98.2	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MARCH	18000 γ + Tabular Quantities (in γ)																
1	775	775	775	776	778	781	783	785	784	784	775	766	767	764	768	765	
2	774	772	768	768	766	766	769	773	771	769	765	765	768	764	763	769	
3	775	775	775	776	776	776	777	782	783	783	777	774	780	775	770	766	
4	753	754	760	764	767	772	775	777	780	778	775	766	772	780	783	779	
5 **	774	774	773	776	782	784	785	791	784	771	771	775	778	752	756	772	
6 **	775	775	771	767	775	795	786	786	771	757	744	746	714	756	751	754	
7	776	768	765	764	765	768	766	772	775	766	755	753	753	750	755	759	
8 *	772	770	771	768	774	778	779	778	774	772	769	768	769	772	773	772	
9 *	776	775	774	774	775	777	777	778	776	773	770	768	766	766	767	767	
10	783	781	786	777	772	776	777	782	787	786	769	758	756	753	754	760	
11	776	760	765	769	774	778	789	785	773	770	762	755	766	766	765	766	
12 **	775	780	774	768	769	773	777	785	786	784	776	757	753	752	755	738	
13	795	767	767	767	767	768	772	771	768	767	774	774	770	773	769	767	
14	775	773	776	776	776	776	777	781	781	783	782	782	777	775	772	766	
15	780	782	789	775	782	791	779	784	781	781	775	771	765	768	773	775	
16 *	780	782	779	783	786	786	787	788	786	778	773	768	770	773	774	774	
17	781	781	779	781	785	787	789	784	779	768	758	757	759	768	775	777	
18	784	783	785	786	788	794	800	794	788	779	766	761	757	749	760	770	
19 **	781	788	790	784	787	787	789	787	788	777	769	762	749	749	747	747	
20	775	775	775	778	779	782	783	780	779	774	766	766	762	762	763	766	
21 **	775	768	771	775	776	780	779	777	776	773	756	747	745	753	747	761	
22	774	775	776	776	777	779	785	786	784	776	766	763	764	770	771	774	
23	777	778	778	779	781	784	788	793	789	782	769	751	755	760	766	770	
24	785	787	786	774	778	783	785	787	783	770	765	763	763	767	771	777	
25	791	783	786	784	793	786	786	794	786	781	763	753	744	753	766	767	
26	784	786	793	783	777	782	785	786	786	776	763	762	766	768	770	773	
27 *	787	786	789	788	787	789	793	795	794	785	776	775	775	773	767	776	
28	791	789	789	789	791	794	797	803	801	792	781	777	778	778	776	779	
29	785	785	780	777	784	788	791	799	788	779	774	769	767	767	775	777	
30 *	784	786	787	782	784	785	786	787	786	783	779	777	776	776	777	778	
31	785	783	786	787	789	792	787	787	784	779	775	775	780	784	784	785	
Mean	779	777	778	776	779	782	783	785	782	777	769	765	763	765	767	769	
Mean *	780	780	780	779	781	783	784	785	783	778	773	771	771	772	772	773	
Mean **	776	777	776	774	778	784	783	785	781	772	763	757	748	752	751	754	
APRIL	18000 γ + Tabular Quantities (in γ)																
1	796	795	795	793	794	807	813	803	793	774	770	758	755	751	763	769	
2	783	782	781	778	783	786	787	790	787	778	769	767	766	769	770	774	
3	784	778	781	785	789	788	786	790	783	774	764	759	763	766	766	776	
4	784	783	779	779	777	783	782	785	762	738	746	753	762	772	769	770	
5	792	776	767	775	775	778	782	782	779	771	762	754	761	767	765	768	
6 **	793	798	797	798	794	808	798	802	786	775	746	755	746	756	756	756	
7 **	771	781	766	776	768	767	768	772	758	737	745	729	705	718	742	757	
8 **	790	757	762	772	771	775	767	763	757	750	742	746	735	746	754	760	
9	795	774	760	761	763	767	765	766	772	767	762	757	762	758	746	757	
10 **	783	775	774	767	778	775	777	775	769	730	723	713	737	759	741	748	
11	776	776	755	786	770	767	766	756	759	746	727	726	737	755	759	768	
12	766	767	778	767	765	767	766	765	759	753	745	746	749	749	758	760	
13 *	782	770	767	766	770	774	774	774	768	761	754	749	754	757	766	772	
14 *	788	779	775	776	776	779	782	783	777	766	756	753	757	767	775	779	
15	785	786	786	786	789	787	788	789	785	774	764	758	765	783	795	809	
16	792	802	804	790	786	790	793	787	781	770	757	752	757	763	769	776	
17	788	785	783	786	791	792	784	785	776	764	757	763	770	776	781	783	
18	784	780	781	789	801	796	798	795	781	774	764	768	777	782	758	774	
19	787	784	788	783	786	785	788	783	777	768	758	753	758	765	775	782	
20	791	791	777	769	778	784	787	784	775	764	757	755	762	771	778	787	
21	812	808	806	807	809	810	810	796	783	774	777	780	784	784	789	796	
22 **	794	776	763	769	775	772	787	779	758	754	744	726	729	748	739	763	
23	772	771	771	769	771	785	781	771	776	764	748	738	743	753	756	759	
24 *	777	776	774	774	772	773	771	767	765	764	759	756	758	751	766	777	
25	787	784	783	778	777	779	777	780	780	778	769	752	762	770	779	783	
26	784	784	785	782	785	783	781	779	757	766	763	750	745	743	754	764	
27	784	777	771	771	767	776	786	787	781	765	753	748	750	755	759	769	
28	780	778	776	774	775	775	766	777	776	771	759	759	757	762	766	779	
29 *	776	776	776	777	777	779	779	777	776	766	759	759	762	761	761	780	
30 *	784	785	781	782	783	783	783	783	776	771	771	776	779	783	787	787	
Mean	785	781	778	779	780	782	782	781	774	764	756	752	755	761	765	773	
Mean *	781	777	775	775	776	778	778	777	772	766	760	759	762	764	771	779	
Mean **	786	777	772	776	777	779	779	778	766	749	740	734	730	745	746	757	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									18000 γ + Tabular Quantities (in γ)						MARCH
										h m		h m		γ	
766	771	775	776	778	780	777	775	775		08 57	791	13 00	756	35	1
763	767	766	764	776	777	776	775	769		21 44	781	16 35	756	25	2
765	764	762	755	753	753	743	760	770		13 12	788	22 34	738	50	3
773	775	781	781	779	777	776	783	773		23 21	787	01 23	746	41	4
755	740	745	755	766	768	767	773	769		07 30	794	17 04	733	61	5 **
745	752	754	755	761	765	765	764	762		06 52	805	12 38	698†	107	6 **
766	764	770	774	775	774	775	774	766		00 11	781	13 53	743	38	7
772	771	772	774	776	777	778	777	773		06 45	780	03 33	766	14	8 *
770	772	777	778	779	782	783	783	774		22 34	786	12 59	762	24	9 *
759	753	766	774	772	769	756	773	770		08 50	792	17 50	745	47	10
758	746	758	766	777	769	774	774	768		00 00	793	17 22	737	56	11
745	768	746	745	741	757	764	765	764		24 00	804	15 40	732	72	12 **
766	765	769	774	775	776	776	776	771		00 06	813	01 53	760	53	13
767	767	779	779	777	780	784	782	777		18 52	787	15 32	762	25	14
777	783	785	783	783	786	779	777	779		21 41	803	12 40	760	43	15
777	781	785	785	785	784	782	779	780		07 30	791	11 24	767	24	16 *
785	785	786	787	786	786	786	784	779		06 23	793	10 44	754	39	17
766	773	778	779	775	775	780	782	777		06 52	803	13 38	742	61	18
762	769	759	752	750	768	780	776	771		01 50	799	13 45	733	66	19 **
768	763	745	766	783	778	775	779	772		09 11	787	18 08	733	54	20
756	763	777	777	766	770	795	777	768		22 42	814†	14 22	738	76	21 **
775	776	779	783	783	786	785	776	777		22 37	796	12 02	761	35	22
774	776	779	781	784	786	785	785	777		07 40	794	11 40	740	54	23
781	782	777	786	787	788	787	789	779		01 50	794	12 24	759	35	24
769	768	776	781	777	781	778	779	776		04 39	801	12 36	733	68	25
776	781	785	787	788	787	789	789	780		01 58	802	10 50	757	45	26
781	787	786	787	789	789	791	791	785		06 57	797	14 02	763	34	27 *
777	779	781	786	777	770	781	781	785		07 43	803	21 08	763	40	28
778	777	778	778	781	783	784	784	780		07 20	802	13 28	763	39	29
781	784	786	786	784	778	779	779	782		02 18	790	13 02	773	17	30 *
785	787	786	794	796	796	796	795	787		23 58	801	11 22	772	29	31
769	771	773	775	776	777	778	779	775		-	795	-	750	45.4	Mean
776	779	781	782	783	782	783	782	779		-	789	-	766	22.6	Mean *
753	758	756	757	757	766	774	773	767		-	803	-	727	76.4	Mean **
									18000 γ + Tabular Quantities (in γ)						APRIL
777	778	779	783	781	785	785	785	783		06 23	818	13 34	748	70	1
776	779	783	788	790	782	779	808	781		23 41	837	12 32	762	75	2
768	773	771	774	776	790	786	784	777		21 19	796	12 00	758	38	3
774	778	779	782	785	786	784	813	775		23 10	821	09 51	729	92	4
774	780	786	792	794	795	798	797	778		00 02	811	11 32	751	60	5
770	783	759	774	783	768	773	776	777		05 13	813	12 40	737	76	6 **
767	764	769	778	793	774	769	798	761		20 00	858	12 17	691†	167	7 **
802	758	746	740	760	768	768	777	761		16 32	850	12 52	728	122	8 **
775	773	774	776	773	779	784	786	769		00 46	813	14 47	741	72	9
745	765	785	756	754	765	785	768	760		18 39	828	09 58	699	129	10 **
756	770	776	769	773	779	780	776	763		03 31	791	11 24	719	72	11
777	777	782	777	776	767	767	768	765		02 39	783	10 41	742	41	12
773	776	776	777	777	777	776	777	769		00 19	791	11 52	749	42	13 *
782	786	789	789	789	787	787	785	778		00 20	792	11 15	750	42	14 *
788	777	784	804	803	799	797	795	786		15 51	816	11 50	758	58	15
776	784	790	794	793	796	795	796	783		02 12	814	11 40	749	65	16
787	790	788	787	787	789	787	785	782		05 26	797	11 01	754	43	17
777	777	794	796	783	789	791	791	783		19 03	807	14 28	753	54	18
786	789	791	791	792	791	790	789	781		02 31	802	11 07	749	53	19
795	784	793	792	795	794	790	792	781		23 58	840	11 30	752	88	20
826	805	762	756	769	768	772	778	790		16 50	859†	19 02	742	117	21
759	774	773	762	763	770	791	781	765		00 06	818	11 16	712	106	22 **
769	779	787	786	782	781	779	780	770		18 34	790	12 03	733	57	23
784	795	786	795	794	792	789	788	775		17 33	801	13 25	743	58	24 *
765	777	799	789	781	787	788	787	779		17 55	814	11 18	742	72	25
780	785	786	786	786	786	783	784	774		00 00	791	12 35	735	56	26
784	791	787	783	779	782	784	783	774		17 18	793	14 17	739	54	27
786	779	789	789	788	789	783	775	775		21 08	794	12 21	754	40	28
786	794	798	793	784	777	783	785	777		19 12	803	10 57	754	49	29 *
786	786	793	788	786	777	781	784	782		17 53	799	10 02	768	31	30 *
778	780	782	782	782	782	783	786	775		-	811	-	741	70.0	Mean
782	787	788	788	786	782	783	784	776		-	797	-	753	44.4	Mean *
769	769	766	762	771	769	777	780	765		-	833	-	713	120.0	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
MAY	18000 γ + Tabular Quantities (in γ)																
1	786	801	785	778	783	784	783	781	778	776	775	776	783	786	785	786	
2	781	779	781	785	783	778	775	778	780	780	775	780	785	787	785	786	
3	783	785	776	778	783	774	767	766	765	762	765	774	772	779	784	782	
4 *	784	784	782	782	783	785	780	779	775	771	764	763	768	776	786	791	
5	791	789	787	786	786	785	785	787	783	775	768	767	770	775	791	799	
6 **	814	814	807	803	804	802	798	797	794	783	772	775	759	770	783	787	
7	751	762	761	756	756	760	760	758	753	751	750	752	749	754	764	772	
8	772	786	771	772	776	782	774	771	768	766	762	763	764	769	771	777	
9	776	776	776	773	773	774	771	769	765	762	763	764	770	775	777	783	
10	794	795	792	786	789	789	788	783	776	768	768	770	769	773	778	789	
11	786	787	787	788	795	794	789	780	775	770	770	773	777	774	788	813	
12	785	784	784	783	784	786	781	775	774	773	772	772	773	773	781	789	
13 **	795	794	796	796	793	799	796	786	777	770	758	757	745	763	786	790	
14 **	781	785	782	781	786	786	782	772	768	763	772	772	768	782	779	794	
15 **	783	780	779	781	788	790	787	771	773	775	776	773	775	772	787	772	
16	788	788	788	787	788	777	792	787	779	765	750	761	763	770	778	782	
17	785	784	785	786	789	788	784	781	776	762	754	752	752	755	758	770	
18 *	789	788	787	787	788	789	786	782	776	772	774	770	759	758	766	771	
19	798	797	794	790	794	791	783	772	754	768	772	776	776	780	786	791	
20	793	789	790	792	790	789	780	776	768	760	758	764	771	782	796	801	
21	794	793	789	787	787	788	785	780	770	759	758	762	769	774	774	789	
22	794	794	790	790	791	791	786	778	769	765	763	766	771	773	777	782	
23 *	798	796	791	790	791	794	797	795	789	780	771	764	768	772	779	790	
24 *	796	795	794	794	794	793	792	789	783	776	769	767	766	769	776	780	
25 *	800	799	797	798	799	800	799	796	793	789	785	781	779	775	783	791	
26	804	803	802	800	802	798	797	790	781	777	771	770	775	775	782	795	
27	799	793	794	799	809	800	799	792	780	778	785	790	788	790	798	792	
28	785	783	783	783	783	781	772	767	766	759	753	753	758	761	778	782	
29	787	785	788	787	792	788	786	784	771	770	765	758	749	757	763	770	
30	784	784	784	784	785	783	777	772	772	775	775	779	784	783	780	784	
31 **	803	802	800	799	800	804	801	802	794	784	757	743	769	760	764	785	
Mean	789	789	787	786	789	788	785	781	775	770	767	767	769	772	779	786	
Mean *	793	792	790	790	791	792	791	788	783	778	773	769	768	770	778	785	
Mean **	795	795	793	792	794	796	793	786	781	775	767	764	763	769	780	786	
JUNE	18000 γ + Tabular Quantities (in γ)																
1	769	779	777	774	776	773	767	764	754	763	762	773	778	770	771	779	
2	781	780	778	780	778	775	774	773	770	770	779	781	781	776	776	781	
3	783	783	783	783	783	783	781	779	775	771	778	781	783	783	794	799	
4	794	814	784	784	781	781	772	762	757	747	737	743	757	765	764	764	
5	786	785	783	780	783	776	772	772	761	764	760	756	753	757	761	774	
6	795	786	790	779	786	786	767	760	767	766	762	765	764	756	762	780	
7	795	799	795	792	795	802	811	777	777	771	769	771	772	783	784	783	
8 *	784	782	783	784	789	790	784	785	782	780	776	774	775	784	790	795	
9 **	806	807	805	804	812	817	816	805	795	783	795	795	793	781	792	776	
10 **	794	784	791	796	812	791	775	767	764	742	730	755	747	760	783	787	
11	794	793	791	789	787	792	797	794	783	783	781	780	784	780	778	783	
12	786	785	788	789	791	793	791	779	777	781	781	772	767	785	785	799	
13	793	792	791	794	793	791	785	783	783	790	793	788	787	784	781	785	
14	795	795	797	795	793	795	797	795	787	774	775	783	785	782	781	791	
15	785	787	793	786	793	804	799	800	788	782	781	779	779	791	794	796	
16	789	799	783	785	787	791	788	777	766	759	760	758	774	781	788	790	
17 *	788	787	791	792	795	796	791	782	772	765	770	769	768	775	787	796	
18 *	801	804	794	796	803	803	795	786	777	765	762	772	778	786	798	804	
19 *	802	801	801	799	803	807	808	802	785	774	767	764	761	756	779	796	
20 *	805	804	803	804	809	809	804	793	786	783	779	778	782	779	784	792	
21	806	805	806	811	810	812	813	813	802	789	774	763	760	785	801	786	
22	803	798	788	792	786	786	792	789	783	771	757	757	757	765	773	783	
23 **	806	800	793	794	801	803	793	786	770	764	764	760	765	760	773	786	
24	793	785	782	783	783	783	783	783	777	760	750	753	764	766	773	777	
25	800	800	792	792	792	785	783	784	773	764	762	764	764	764	771	784	
26	789	787	786	785	789	788	787	784	783	778	775	783	784	779	776	787	
27 **	811	810	803	793	787	792	783	760	752	754	752	754	762	759	780	791	
28 **	788	787	788	784	786	786	774	782	775	754	764	764	776	774	755	781	
29	790	783	784	794	793	788	775	773	764	764	766	766	766	768	786	798	
30	804	792	786	786	793	783	781	777	764	755	758	753	760	774	782	797	
Mean	794	793	790	790	792	792	788	782	775	769	767	768	771	774	780	787	
Mean *	796	796	794	795	800	801	796	790	780	773	771	771	773	776	788	797	
Mean **	801	798	796	794	800	798	788	780	771	759	761	766	769	767	777	784	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									18000 γ + Tabular Quantities (in γ)						MAY
										h m		h m		γ	
786	789	794	793	793	784	778	782	784		01 20	810	10 22	772	38	1
794	789	797	795	788	783	783	775	783		16 23	811	23 41	768	43	2
787	794	796	790	792	793	788	791	780		18 11	802	09 43	759	43	3
793	796	796	798	798	797	794	792	784		21 43	802	11 30	761	41	4 *
803	808	812	820	823	822	814	805	793		21 15	831†	11 42	764	67	5
775	779	770	740	749	759	762	753	781		01 22	817	19 34	733†	84	6 **
776	776	780	782	777	782	776	769	764		21 44	786	12 49	742	44	7
778	781	782	780	784	787	792	790	776		22 46	798	11 21	761	37	8
788	793	793	793	795	796	794	794	779		21 28	796	10 29	759	37	9
781	785	788	788	788	788	789	788	783		01 19	799	12 10	765	34	10
809	805	780	760	780	785	789	788	785		15 42	823	19 09	754	69	11
791	791	790	791	791	793	794	795	784		23 26	798	11 23	770	28	12
800	804	803	794	808	789	802	788	787		22 10	829	12 50	739	90	13 **
799	798	795	787	791	784	786	796	783		23 00	810	11 57	753	57	14 **
789	803	816	789	784	787	788	788	784		18 03	830	07 29	765	65	15 **
786	791	796	792	790	794	793	790	782		18 35	802	10 30	741	61	16
781	788	790	796	793	793	793	791	779		19 20	799	12 32	748	51	17
784	791	797	798	800	800	799	800	784		20 10	802	13 30	754	48	18 *
785	795	802	804	802	801	798	793	788		15 21	812	08 33	749	63	19
785	787	788	794	795	795	796	796	785		15 04	808	10 12	753	55	20
793	795	797	798	797	796	796	794	784		19 36	801	09 54	756	45	21
792	797	794	796	797	799	799	798	786		17 09	801	10 54	760	41	22
798	799	800	800	797	798	797	797	790		19 15	802	11 28	762	40	23 *
785	797	801	801	802	801	801	800	788		20 05	802	11 54	764	38	24 *
796	802	804	805	805	805	806	805	796		22 08	808	13 20	773	35	25 *
806	814	814	807	804	809	806	805	795		17 50	819	10 40	769	50	26
786	807	803	807	798	797	799	789	795		17 40	818	16 48	773	45	27
789	796	796	801	792	791	782	785	778		18 52	809	11 27	750	59	28
780	792	800	798	793	790	789	789	780		18 28	804	12 37	744	60	29
789	793	795	797	797	795	795	801	785		23 47	803	07 28	771	32	30
781	782	786	782	783	781	799	768	785		22 10	831†	11 47	736	95	31 **
789	794	795	793	793	793	793	790	784		-	808	-	757	51.5	Mean
791	797	800	800	800	800	799	799	788		-	803	-	763	40.4	Mean *
789	793	794	778	783	780	787	779	784		-	823	-	745	78.2	Mean **
									18000 γ + Tabular Quantities (in γ)						JUNE
783	785	795	797	793	793	786	782	777		18 50	807	08 32	750	57	1
785	795	801	791	793	792	795	785	782		18 11	801	09 04	768	33	2
797	799	808	808	806	803	807	794	789		18 42	814	09 18	769	45	3
765	777	790	809	818	796	797	802	778		01 02	835	10 57	731	104	4
781	798	809	809	797	792	785	795	779		19 12	821	12 38	751	70	5
792	795	797	791	797	803	798	793	781		21 12	812	13 22	751	61	6
779	794	802	797	794	787	784	784	787		06 41	817	09 41	763	54	7
795	795	795	800	803	805	804	805	789		24 00	810	12 11	770	40	8 *
789	795	803	787	796	793	796	805	798		24 00	849†	15 48	770	79	9 **
787	784	783	787	793	794	795	795	779		00 00	849†	10 09	721†	128	10 **
787	791	793	794	794	795	794	791	789		06 32	801	14 00	771	30	11
800	802	809	798	793	793	793	793	789		18 18	812	12 10	761	51	12
795	799	801	803	802	797	797	796	792		20 02	809	08 01	776	33	13
805	811	807	797	800	800	797	787	793		18 07	814	09 43	769	45	14
791	777	793	806	799	797	794	794	791		19 30	821	17 22	768	53	15
793	797	794	795	799	797	794	792	785		01 21	812	11 33	756	56	16
797	800	797	802	804	804	803	800	789		20 30	806	09 12	765	41	17 *
804	804	804	807	806	805	803	803	794		01 30	808	10 24	760	48	18 *
806	796	799	805	805	806	805	803	793		06 05	810	13 08	747	63	19 *
796	805	814	812	807	812	808	806	798		18 31	816	11 07	773	43	20 *
776	802	829	812	805	812	808	812	800		18 07	842	12 02	744	98	21
791	790	801	807	803	803	802	807	787		19 37	816	10 40	751	65	22
793	798	795	816	801	793	784	786	787		19 36	836	11 08	751	85	23 **
787	797	797	804	804	802	804	806	783		19 31	810	10 28	745	65	24
792	800	802	793	796	795	794	793	785		01 12	806	12 08	757	49	25
801	793	809	805	802	795	793	805	789		20 11	814	14 18	772	42	26
786	790	798	792	802	801	791	795	783		18 12	819	10 23	746	73	27 **
782	796	801	802	802	801	809	793	784		22 29	839	14 17	741	98	28 **
797	791	801	792	804	800	795	805	785		20 37	815	11 57	757	58	29
792	808	790	796	798	797	792	792	784		17 09	830	11 04	743	87	30
791	795	801	800	801	799	797	797	787		-	818	-	757	61.8	Mean
800	800	802	805	805	806	805	803	793		-	810	-	763	47.0	Mean *
787	793	796	797	799	796	795	795	786		-	838	-	746	92.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JULY	18000 γ + Tabular Quantities (in γ)																
1	791	788	785	784	786	786	778	770	762	753	754	763	767	773	778	786
2	805	803	793	791	793	790	782	772	776	773	766	774	782	784	790	792
3	776	780	782	783	783	781	772	763	765	775	786	790	787	784	784	792
4 **	800	796	796	797	804	803	788	785	775	770	763	763	779	773	768	789
5 **	793	788	792	783	793	800	775	779	773	763	769	761	763	766	781	786
6	805	805	803	804	799	791	791	782	770	763	744	752	764	765	780	785
7	797	794	795	796	797	799	795	794	790	777	773	782	778	775	785	795
8	796	795	793	793	803	803	789	775	782	782	772	756	759	764	782	793
9 *	793	791	792	794	799	803	795	788	783	774	762	754	760	770	782	789
10	800	794	793	794	796	795	792	786	781	771	766	762	765	773	770	787
11	809	804	803	802	803	803	803	804	801	786	783	773	768	764	774	793
12	795	794	796	795	795	792	786	788	786	784	790	795	795	792	798	799
13	802	802	793	793	797	795	795	791	786	781	777	779	765	771	785	810
14	786	785	784	794	792	790	782	786	786	774	764	760	766	768	775	778
15	796	802	792	788	795	799	795	791	786	784	782	782	788	794	798	806
16 *	793	795	796	794	799	794	786	775	765	763	759	761	772	778	788	792
17 *	796	795	795	796	798	797	789	781	776	775	771	773	774	775	783	784
18 *	803	800	791	791	795	797	798	795	793	783	780	782	783	781	780	784
19	804	803	804	804	805	799	795	793	783	764	765	758	781	788	791	807
20	811	821	803	793	791	790	791	771	763	764	764	762	772	781	783	782
21	806	799	794	789	785	787	787	783	786	771	764	775	781	782	774	783
22	803	800	787	788	790	790	782	777	778	774	773	773	773	775	780	783
23	794	791	786	789	791	789	786	784	781	764	763	764	773	772	774	782
24	794	793	785	784	786	785	784	783	784	783	779	776	776	782	780	784
25	776	770	786	781	783	796	781	783	778	774	772	771	780	779	774	774
26 **	824	828	837	823	805	768	801	781	783	776	746	751	763	766	747	765
27 **	789	797	787	764	770	775	770	762	756	763	763	766	773	763	775	781
28 **	771	778	770	784	768	767	771	762	772	766	760	766	766	762	767	775
29	782	773	787	782	782	783	780	770	770	760	756	755	767	774	781	787
30 *	789	789	790	793	787	781	775	781	780	773	765	763	764	764	764	771
31	787	783	783	783	789	792	791	782	772	762	753	756	765	776	784	797
Mean	796	795	793	791	792	791	787	781	778	772	767	768	773	775	779	787
Mean *	795	794	793	794	796	794	789	784	779	774	767	767	771	774	779	784
Mean **	795	797	796	790	788	783	781	774	772	768	760	761	769	766	768	779
AUGUST	18000 γ + Tabular Quantities (in γ)																
1 **	808	818	828	797	806	798	804	791	772	717	720	749	751	757	753	759
2	793	781	783	785	775	780	782	779	769	759	765	768	767	768	770	774
3	795	797	789	787	778	791	793	789	787	774	764	766	764	772	768	774
4	793	792	789	791	792	792	783	778	774	773	770	772	776	773	775	779
5	793	790	785	787	794	795	788	783	781	775	766	763	770	771	773	782
6	803	811	804	796	800	795	795	802	787	779	773	779	771	764	783	784
7	809	797	787	791	786	801	790	779	772	763	769	769	773	766	778	792
8 **	791	813	802	787	791	779	776	780	733	741	761	765	761	772	758	759
9	792	803	811	789	787	785	761	767	762	763	749	758	753	752	769	779
10	806	790	790	784	789	795	792	771	759	760	761	770	777	784	789	789
11 *	787	788	787	787	786	785	782	774	772	770	769	776	785	791	792	789
12 *	791	792	793	794	792	789	783	776	766	763	774	784	790	793	785	783
13 *	800	797	797	799	799	795	793	787	781	774	771	769	779	787	790	792
14	805	798	792	785	794	793	787	781	777	781	782	789	789	793	802	802
15	801	801	805	801	795	794	784	774	752	762	763	775	782	786	791	791
16	779	787	755	770	775	782	772	759	765	765	762	765	779	785	791	792
17 **	790	780	785	793	790	785	781	772	765	770	770	769	761	784	787	783
18	782	792	793	785	781	772	756	780	773	765	763	771	781	780	772	780
19	808	797	794	783	782	783	769	765	760	757	757	773	781	787	778	775
20 *	793	790	785	786	786	786	784	779	770	764	761	761	760	766	780	787
21	799	786	789	787	787	786	783	779	772	773	772	775	781	785	785	783
22 **	781	804	793	776	778	789	788	758	758	769	767	764	772	773	772	782
23	796	793	782	792	789	783	772	770	762	766	768	778	790	781	777	790
24	794	799	782	795	794	791	786	757	764	767	762	772	780	776	791	783
25	788	796	785	778	778	782	784	771	761	767	772	768	776	784	783	781
26	795	785	784	785	788	786	775	781	778	780	777	774	774	773	780	782
27	796	798	794	792	791	782	782	786	790	788	784	783	784	783	782	788
28 *	793	793	790	792	793	795	792	788	782	781	783	791	795	800	791	793
29	799	800	799	800	794	794	791	800	799	789	775	780	793	798	781	779
30	789	793	793	784	791	782	780	779	776	772	772	773	763	759	760	778
31 **	810	817	829	791	823	791	790	762	739	748	766	771	769	765	768	770
Mean	795	796	793	789	790	788	783	777	770	767	767	772	775	778	779	782
Mean *	793	792	790	792	791	790	787	781	774	770	772	776	782	787	788	789
Mean **	796	806	807	789	798	788	788	773	753	749	757	764	763	770	768	771

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									18000 γ + Tabular Quantities (in γ)						JULY
										h m		h m		γ	
784	788	795	803	808	803	802	799	783		20 30	812	09 50	750	62	1
794	805	805	800	803	796	792	776	789		18 04	815	10 42	764	51	2
808	802	803	806	805	803	803	803	788		16 42	820	07 38	760	60	3
782	796	803	810	830	833	795	803	792		20 57	865†	14 30	757	108	4 **
787	805	803	811	813	812	803	803	788		20 43	822	11 26	755	67	5 **
790	803	800	803	802	802	799	796	787		01 59	815	10 38	738	77	6
802	804	812	801	802	801	803	803	794		18 16	821	10 01	768	53	7
797	803	804	794	797	799	810	799	789		22 06	813	11 40	751	62	8
796	795	798	799	793	794	796	796	787		05 12	806	11 29	752	54	9 *
797	807	796	800	805	806	805	812	790		17 28	828	14 05	755	73	10
809	800	810	807	803	802	800	795	796		19 14	819	13 39	759	60	11
795	805	806	808	808	804	803	802	796		15 47	816	09 45	782	34	12
821	802	803	803	798	796	800	798	793		16 25	825	12 41	756	69	13
781	780	796	801	796	796	803	793	784		22 15	811	11 10	755	56	14
808	804	803	806	808	804	798	796	796		16 49	818	11 14	777	41	15
801	801	800	802	803	802	800	798	788		16 56	803	10 40	758	45	16 *
791	796	801	803	805	805	805	802	790		21 52	808	10 20	768	40	17 *
793	803	809	811	809	812	810	807	795		19 00	820	13 37	775	45	18 *
810	814	811	820	807	810	805	807	797		19 27	826	11 28	751	75	19
791	800	792	802	807	803	801	801	789		00 58	836	08 17	755	81	20
803	813	805	804	799	801	800	799	790		17 29	825	09 40	760	65	21
780	791	795	794	799	803	807	802	787		01 01	815	11 22	769	46	22
788	802	809	803	791	786	791	796	785		18 56	824	10 35	760	64	23
790	812	782	785	775	771	775	774	783		17 33	848	18 23	750	98	24
775	783	785	793	794	801	803	815	784		23 53	823	00 49	759	64	25
778	791	822	790	780	799	798	782	788		02 59	852	10 47	723†	129	26 **
783	786	790	790	789	794	796	790	778		15 56	822	13 54	747	75	27 **
787	790	791	793	795	794	793	789	777		20 56	804	10 25	747	57	28 **
784	791	789	795	793	796	792	789	780		21 33	803	11 26	751	52	29
773	778	783	787	789	789	788	790	779		23 43	797	14 35	761	36	30 *
801	800	810	797	799	798	807	805	786		18 44	821	10 07	749	72	31
793	798	800	801	800	797	799	797	788		-	820	-	757	63.6	Mean
791	795	798	800	800	800	800	799	788		-	807	-	763	44.0	Mean *
783	794	802	799	801	806	797	793	784		-	833	-	746	87.2	Mean **
									18000 γ + Tabular Quantities (in γ)						AUGUST
753	765	776	792	799	788	787	803	779		01 44	843	09 29	699†	144	1 **
791	787	781	800	789	791	794	797	780		00 00	821	09 26	755	66	2
781	793	802	805	792	799	793	794	785		19 00	815	10 44	759	56	3
780	787	793	794	794	797	798	795	785		18 08	806	10 59	766	40	4
782	783	787	797	797	796	798	801	785		23 46	804	11 11	751	53	5
771	777	785	803	800	797	794	792	789		01 29	818	13 09	749	69	6
781	794	791	784	784	806	810	793	786		21 55	836	16 38	756	80	7
769	783	783	792	792	800	802	787	778		01 49	845	09 02	726	119	8 **
794	800	799	789	797	802	789	799	781		01 53	819	10 19	737	82	9
799	792	782	789	791	789	790	789	784		00 20	815	08 47	755	60	10
789	785	786	791	791	790	790	789	785		13 22	796	10 08	767	29	11 *
786	791	797	800	798	797	795	794	788		19 07	802	09 18	760	42	12 *
799	802	810	811	815	813	813	830	796		23 30	840	11 32	765	75	13 *
808	808	812	810	801	802	803	813	796		23 22	827	08 27	775	52	14
793	782	801	802	804	804	789	797	789		02 39	823	08 40	745	78	15
793	793	803	793	793	796	798	788	781		18 43	818	02 39	750	68	16
784	799	802	809	803	812	835	781	787		22 12	859†	12 18	745	114	17 **
787	786	787	790	791	797	805	793	782		22 24	817	06 13	746	71	18
789	789	794	797	800	794	795	800	784		00 22	825	10 14	744	81	19
793	789	789	795	797	797	799	800	783		23 22	806	11 51	756	50	20 *
791	801	807	809	813	808	810	799	790		20 50	819	10 38	769	50	21
791	795	799	804	796	783	794	791	782		01 08	831	07 59	737	94	22 **
800	787	801	798	793	795	795	801	786		16 24	812	08 53	757	55	23
794	793	789	792	794	803	803	789	785		21 55	819	07 39	751	68	24
790	793	797	794	800	799	790	786	783		20 28	807	08 25	757	50	25
786	789	794	793	794	794	792	791	785		00 29	798	11 51	767	31	26
796	793	796	798	797	797	797	796	791		01 33	801	05 40	779	22	27
793	793	798	801	802	802	801	801	793		20 39	804	09 40	779	25	28 *
789	783	796	804	812	782	773	784	791		20 11	824	22 02	762	62	29
771	773	785	798	791	792	795	799	781		23 48	806	14 08	741	65	30
772	778	781	788	799	791	784	783	783		02 26	833	08 04	731	102	31 **
787	789	794	797	797	797	797	795	786		-	819	-	753	66.2	Mean
792	792	796	800	801	800	800	803	789		-	810	-	765	44.2	Mean *
774	784	788	797	798	795	800	789	782		-	842	-	728	114.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
SEPTEMBER	18000 γ + Tabular Quantities (in γ)																
1	790	790	791	787	795	793	769	755	748	762	769	780	790	774	762	742	
2 **	787	784	783	781	797	800	778	762	755	739	749	741	753	740	771	744	
3 **	789	792	793	800	770	762	774	764	749	740	717	736	768	780	766	779	
4 **	774	771	777	765	800	778	753	746	744	740	713	730	750	771	784	784	
5	781	780	782	791	791	788	790	778	757	742	751	754	764	772	771	761	
6	814	782	785	790	799	781	777	796	790	778	756	742	753	756	761	773	
7	788	783	786	804	793	786	786	780	758	758	754	761	769	756	762	767	
8	791	789	798	800	777	780	785	781	761	769	766	764	764	762	760	760	
9	802	801	794	790	788	786	784	786	786	784	780	768	762	762	771	776	
10	778	790	789	780	793	789	790	782	770	764	762	772	773	780	781	784	
11	792	793	797	789	790	789	789	785	776	759	751	771	775	780	783	783	
12 **	802	800	793	795	801	804	788	704	778	763	747	764	776	765	756	758	
13	793	772	766	766	765	772	760	758	759	764	758	754	763	773	772	770	
14	789	786	784	778	770	777	783	766	770	777	774	769	772	777	781	784	
15	788	790	785	782	787	792	782	763	781	777	767	768	771	775	778	783	
16	797	786	781	779	779	782	782	778	778	772	768	770	769	771	779	781	
17 *	791	789	788	788	785	783	783	789	788	780	771	769	769	772	780	788	
18 *	799	790	787	787	788	789	788	789	787	782	778	771	775	780	781	786	
19 **	793	799	797	791	791	793	807	780	760	755	751	747	757	762	764	776	
20	773	763	765	763	769	777	775	769	762	759	759	751	767	772	772	779	
21	792	789	791	788	788	785	784	790	787	776	769	767	773	777	770	767	
22	806	797	803	783	782	785	786	787	773	774	761	769	779	781	769	781	
23	791	790	790	783	781	774	779	780	771	773	767	759	769	770	772	778	
24 *	794	790	787	788	782	782	784	785	780	775	771	770	773	779	780	783	
25 *	786	786	786	787	788	791	791	788	783	779	772	768	767	772	779	777	
26	793	796	799	769	760	779	775	772	755	754	756	755	766	778	769	764	
27	778	782	779	782	780	780	784	778	768	760	760	759	767	776	775	770	
28 *	783	780	779	786	787	785	784	779	772	768	767	768	770	780	776	776	
29	784	780	782	780	789	793	794	788	780	770	759	762	767	765	764	765	
30	753	759	776	778	787	799	790	788	776	763	759	755	751	750	763	761	
Mean	789	786	786	784	785	785	782	775	770	765	759	760	767	770	772	773	
Mean *	791	787	785	787	786	786	786	786	782	777	772	769	771	777	779	782	
Mean **	789	789	789	786	792	787	780	751	757	747	735	744	761	764	768	768	
OCTOBER	18000 γ + Tabular Quantities (in γ)																
1 **	789	799	789	789	784	798	778	761	758	758	735	730	739	752	752	748	
2	776	777	782	778	776	777	777	753	763	759	740	743	743	749	750	760	
3	779	776	776	779	780	784	788	778	750	748	737	738	751	755	753	773	
4 *	791	786	790	794	797	788	789	780	784	770	759	758	760	765	768	769	
5	782	782	783	785	788	791	798	792	790	777	763	762	766	773	776	782	
6	790	781	812	802	800	802	788	768	770	765	757	755	759	756	745	762	
7	780	782	786	795	785	785	788	784	778	766	762	766	768	770	775	776	
8 **	774	772	770	779	783	780	779	779	779	767	755	752	761	770	779	777	
9 **	772	810	787	775	776	782	782	762	750	760	768	772	747	749	756	760	
10	779	790	779	784	779	783	790	788	782	770	761	752	740	772	780	780	
11	790	783	792	792	768	791	796	783	770	761	758	765	767	758	781	786	
12 *	787	787	788	781	789	787	788	789	782	763	767	772	778	777	779	780	
13	788	788	789	790	790	792	794	790	784	769	747	746	750	769	760	766	
14	799	801	781	780	782	769	769	764	770	760	728	738	753	767	756	769	
15 *	781	788	783	789	780	782	781	787	780	770	762	767	773	772	774	771	
16	793	782	782	783	782	787	790	789	790	784	774	719	744	758	767	778	
17 *	771	782	784	783	782	786	784	783	778	759	757	757	760	768	777	780	
18	794	801	825	792	786	782	787	789	783	770	762	765	768	771	779	785	
19	791	790	789	791	792	796	797	793	766	729	753	761	745	740	769	755	
20	791	784	782	781	781	782	784	785	783	775	766	760	764	773	769	778	
21	782	780	789	787	787	790	792	789	783	773	767	764	763	773	778	769	
22	784	786	786	799	805	806	802	798	790	774	740	747	765	757	749	768	
23	788	788	812	811	789	786	797	791	789	779	768	741	756	756	758	747	
24	786	788	789	800	789	799	798	793	788	780	769	768	750	761	764	766	
25 **	776	776	778	782	789	773	798	796	779	758	761	749	732	734	758	766	
26 **	778	780	778	776	775	787	796	787	761	755	753	739	744	739	734	737	
27	774	772	775	779	771	768	777	783	776	762	755	753	733	759	749	755	
28	780	777	779	777	778	789	788	781	769	753	743	743	756	765	767	769	
29	783	788	793	783	786	788	791	787	785	771	763	769	762	767	769	778	
30	791	788	780	786	788	796	791	784	768	764	758	745	752	762	763	758	
31 *	787	794	795	789	792	785	796	797	789	776	761	755	762	771	768	769	
Mean	784	786	787	787	785	787	789	783	776	765	756	753	755	762	765	768	
Mean *	783	787	788	787	788	786	788	787	783	768	761	762	767	771	773	774	
Mean **	778	787	780	780	781	784	787	777	765	760	754	748	745	749	756	758	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
18000 γ + Tabular Quantities (in γ)															SEPTEMBER
										h m		h m		γ	
769	768	791	793	809	790	781	793	779		19 58	826	08 46	723	103	1
763	771	773	782	799	790	793	790	772		20 35	814	13 22	714	100	2 **
783	784	771	799	784	792	778	800	774		19 32	834	10 46	699	135	3 **
804	786	783	799	809	791	778	779	771		16 32	839	10 45	705	134	4 **
769	761	769	774	790	784	782	797	774		24 00	829	09 39	738	91	5
770	769	772	780	778	774	769	772	776		00 12	834	11 09	732	102	6
769	779	784	789	783	789	790	789	778		03 19	806	13 40	750	56	7
767	781	782	788	789	790	792	790	779		02 33	808	14 48	753	55	8
780	771	782	791	790	779	794	777	783		00 58	805	12 17	756	49	9
787	786	792	794	795	792	794	792	784		01 54	801	10 00	753	48	10
784	788	791	797	805	798	805	796	786		22 13	812	10 22	744	68	11
761	750	757	767	776	779	791	807	774		22 47	843	07 18	677†	166	12 **
774	765	777	782	783	778	782	785	770		19 48	833	17 16	732	101	13
786	786	787	790	787	795	797	790	781		21 43	807	07 40	751	56	14
787	795	786	779	775	788	791	800	782		23 42	806	07 09	754	52	15
786	785	785	797	829	810	780	781	784		20 52	840	10 24	763	77	16
791	789	791	789	791	795	801	803	786		23 00	807	11 43	763	44	17 *
789	785	789	793	798	808	800	797	788		21 34	812	11 44	769	43	18 *
781	769	778	810	776	775	810	812	781		19 09	855†	11 33	733	122	19 **
781	781	783	784	784	784	787	788	773		00 00	797	11 42	740	57	20
761	775	782	790	785	794	790	791	782		21 21	802	16 29	755	47	21
779	781	788	783	813	792	792	791	785		20 13	827	10 54	742	85	22
780	781	787	789	792	794	792	791	781		22 52	814	11 17	748	66	23
788	788	788	788	781	774	782	785	782		00 18	799	10 58	768	31	24 *
777	781	791	800	802	800	805	816	786		23 31	827	12 32	763	64	25 *
768	768	771	772	778	781	778	779	772		00 01	820	16 12	749	71	26
761	770	780	782	784	786	794	787	776		22 25	801	11 33	753	48	27
773	770	792	799	799	796	797	785	781		22 32	813	17 18	756	57	28 *
768	768	750	752	745	760	745	749	769		05 56	799	22 02	718	81	29
772	779	783	789	790	789	789	790	775		04 54	804	13 09	746	58	30
777	777	781	787	790	788	789	790	779		-	817	-	742	75.6	Mean
784	783	790	794	794	795	797	797	785		-	812	-	764	47.8	Mean *
778	772	772	791	789	785	790	798	774		-	837	-	706	131.4	Mean **
18000 γ + Tabular Quantities (in γ)															OCTOBER
748	768	750	767	779	759	788	774	766		22 36	816	16 41	711	105	1 **
758	760	764	772	781	781	782	789	766		23 30	794	10 29	731	63	2
771	772	779	788	788	788	799	798	772		22 57	810	10 52	729	81	3
772	761	762	768	766	772	786	782	776		22 20	808	17 40	754	54	4 *
776	787	773	754	769	767	783	781	778		06 30	799	19 34	745	54	5
777	781	781	785	786	788	793	799	779		02 37	827	14 21	739	88	6
777	774	779	788	803	809	809	799	783		20 32	826	10 48	759	67	7
778	773	759	769	779	806	802	785	775		21 16	828	11 26	740	88	8 **
779	785	782	783	789	790	788	792	775		01 57	824	08 50	728	96	9 **
773	782	777	802	779	788	792	789	779		19 00	812	12 22	718	94	10
788	777	788	790	789	798	782	784	781		21 37	808	13 38	747	61	11
780	789	792	796	795	793	790	789	784		20 04	798	09 49	749	49	12 *
781	787	788	789	789	780	780	788	779		06 06	797	11 31	739	58	13
781	780	777	788	784	799	780	793	774		20 42	825	10 47	715	110	14
779	789	791	790	790	791	800	806	782		23 18	809	10 42	756	53	15 *
780	787	782	785	790	794	789	797	779		23 11	811	11 22	702†	109	16
783	788	791	792	789	791	792	791	780		23 59	798	10 44	755	43	17 *
781	770	777	783	786	790	793	793	784		02 36	829	10 39	758	71	18
773	785	790	784	794	809	777	787	777		21 10	828	09 16	713	115	19
783	788	793	799	799	808	795	792	783		21 22	821	11 51	758	63	20
777	768	770	763	772	786	788	789	778		05 11	797	12 43	760	37	21
777	782	787	783	772	777	798	785	780		21 56	845	10 39	736	109	22
758	769	774	779	776	776	776	785	777		02 12	819	11 44	729	90	23
776	769	796	759	775	812	799	781	781		21 31	842	15 10	739	103	24
757	760	786	794	756	808	774	768	771		21 11	846	13 07	720	126	25 **
738	753	791	751	749	760	771	776	763		18 18	851†	15 45	716	135	26 **
768	778	770	779	785	781	789	795	770		22 51	799	14 55	708	91	27
769	782	779	794	796	786	797	779	775		19 36	819	10 51	735	84	28
778	780	787	788	789	794	791	798	782		23 46	825	12 04	758	67	29
767	783	786	784	780	789	788	783	776		00 00	815	11 57	733	82	30
771	784	778	784	786	785	789	786	781		06 53	803	11 41	749	54	31 *
773	777	780	782	783	789	789	788	777		-	817	-	736	80.6	Mean
777	782	783	786	785	786	791	791	781		-	803	-	753	50.6	Mean *
760	768	774	773	770	785	785	779	770		-	833	-	723	110.0	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12n	13h	14h	15h	16n
NOVEMBER	18000 γ + Tabular Quantities (in γ)																
1	787	793	795	792	790	790	793	796	791	776	768	766	769	775	775	778	
2	783	784	786	792	788	791	793	796	797	791	775	769	770	769	783	778	
3	777	774	773	777	779	786	787	788	786	779	767	750	755	759	761	762	
4	797	793	786	787	788	791	796	797	782	772	756	753	755	765	762	749	
5	789	790	790	791	788	787	780	778	785	776	766	762	765	770	776	779	
6 **	787	792	798	797	795	799	806	798	790	781	776	777	779	786	788	780	
7	783	793	795	786	791	780	789	790	788	779	758	755	763	768	775	787	
8	796	787	788	789	789	790	794	796	790	778	771	767	768	774	777	783	
9	787	788	788	787	787	790	794	794	792	786	779	777	777	779	786	791	
10 *	795	790	788	788	792	797	798	799	795	785	780	780	784	786	787	789	
11	788	790	793	796	799	802	803	797	791	781	767	763	765	769	776	766	
12 *	785	786	786	785	786	787	788	787	785	777	771	767	772	779	785	787	
13 *	787	787	787	789	792	795	796	796	795	787	784	779	780	784	790	792	
14	792	786	786	788	793	796	797	799	795	787	785	784	783	787	793	791	
15 **	794	791	787	789	789	785	810	806	805	791	791	777	715	720	759	768	
16 **	782	758	756	769	771	782	772	774	779	775	764	747	763	773	763	754	
17	786	781	786	777	778	779	779	780	782	779	777	775	775	774	766	771	
18 *	786	785	787	789	791	791	791	790	785	781	779	777	779	783	785	786	
19	789	788	789	792	794	796	796	796	795	786	779	776	778	783	786	788	
20 *	790	792	796	798	803	804	801	797	798	796	789	786	785	787	793	796	
21	801	797	798	813	809	810	797	811	801	791	785	774	761	766	763	759	
22 **	781	783	769	787	781	783	786	775	766	773	755	754	736	726	737	747	
23	785	791	775	775	777	786	784	786	774	765	756	755	764	761	769	777	
24	783	781	784	785	785	793	794	795	777	787	789	776	760	761	764	775	
25	784	786	777	785	786	792	787	778	787	783	758	769	759	757	772	777	
26	793	794	786	787	790	793	796	796	796	796	791	791	787	779	780	781	
27	792	795	791	790	797	801	798	791	790	787	782	779	778	778	781	782	
28	797	785	785	788	791	793	796	802	798	796	787	776	779	780	780	779	
29	787	790	787	789	791	793	799	805	807	806	795	785	789	789	788	785	
30 **	795	795	823	799	803	784	788	766	775	765	739	755	746	740	745	766	
Mean	789	788	787	789	790	792	793	792	789	783	774	770	768	770	775	777	
Mean *	789	788	789	790	793	795	795	794	792	785	781	778	780	784	788	790	
Mean **	788	784	787	788	788	787	792	784	783	777	765	762	748	749	758	763	
DECEMBER	18000 γ + Tabular Quantities (in γ)																
1	779	779	780	780	779	784	785	787	786	777	777	777	781	784	784	771	
2 *	787	787	787	789	791	793	796	796	796	790	787	788	787	787	785	783	
3	793	791	790	792	791	793	796	797	796	791	793	794	795	797	795	795	
4	801	798	797	806	818	818	821	814	807	791	789	781	777	778	751	747	
5	790	787	781	782	785	789	789	788	793	795	790	787	787	786	777	780	
6 *	787	788	789	791	793	795	793	794	794	796	798	797	796	792	790	790	
7 *	791	791	791	795	796	796	799	801	803	803	801	799	797	796	797	798	
8	795	796	799	802	805	806	804	801	798	790	785	786	787	785	777	779	
9	781	782	787	789	793	803	807	799	796	796	793	790	793	796	797	800	
10	793	796	795	798	799	801	805	805	804	800	798	795	796	799	800	800	
11 **	778	778	776	779	780	798	796	791	796	781	777	776	775	771	748	753	
12	769	769	773	775	780	787	787	787	786	779	777	773	773	776	782	788	
13	771	773	790	774	775	787	789	788	791	783	784	788	785	771	775	778	
14	779	782	778	783	782	786	789	787	792	795	792	785	795	795	787	782	
15	778	781	775	783	779	789	792	783	789	786	781	784	787	789	789	790	
16	784	783	785	787	789	791	796	796	803	800	797	797	798	799	798	797	
17 **	806	796	798	799	802	802	805	807	803	791	792	796	794	791	785	774	
18 **	766	756	776	784	765	769	772	773	780	782	780	767	762	766	734	748	
19 **	785	786	790	768	766	770	769	767	760	776	766	755	755	763	774	755	
20 **	783	782	778	782	793	786	785	788	777	768	754	767	769	771	763	776	
21	781	778	772	784	775	785	779	783	783	777	772	769	764	759	761	775	
22	780	784	787	788	781	783	784	784	777	774	765	758	772	775	774	776	
23 *	783	779	784	785	787	794	793	794	793	786	782	776	779	784	785	786	
24	789	787	786	788	790	795	797	798	796	793	786	781	781	787	783	780	
25 *	795	796	794	793	795	800	802	802	801	795	787	785	786	792	793	794	
26	793	796	796	798	806	811	813	810	812	806	795	791	779	763	742	756	
27	778	780	780	780	783	786	791	792	793	788	787	785	783	782	784	783	
28	790	789	790	792	792	797	800	800	798	795	791	790	788	783	789	794	
29	788	790	791	794	798	802	804	802	798	791	786	792	797	790	787	784	
30	795	794	794	795	797	798	800	802	802	797	793	795	801	803	800	799	
31	798	795	796	796	799	800	802	805	807	790	764	770	785	792	778	757	
Mean	786	785	787	788	789	793	795	794	794	789	784	783	784	784	779	780	
Mean *	789	788	789	791	792	796	797	797	797	794	791	789	789	790	790	790	
Mean **	784	780	784	782	781	785	785	785	783	780	774	772	771	772	761	761	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Date
18000 γ + Tabular Quantities (in γ)																	NOVEMBER
										h	m		h	m		γ	
778	778	779	784	794	788	779	781	783		02	34	799	11	30	763	36	1
790	796	788	781	789	809	773	783	786		21	02	822	22	34	754	68	2
766	782	786	778	779	783	783	799	776		23	32	819	12	00	747	72	3
768	769	778	778	768	766	784	790	776		00	00	811	15	22	732	79	4
785	787	788	788	789	788	784	788	782		01	07	795	10	53	761	34	5
788	783	787	795	773	821	783	775	789		21	22	849	18	10	755	94	6 **
789	792	792	795	791	789	783	807	784		23	18	820	11	03	746	74	7
786	796	796	796	792	788	786	786	786		00	00	805	11	50	763	42	8
797	797	797	798	797	795	797	798	790		22	41	824	12	23	773	51	9
795	795	796	797	797	798	797	789	792		00	01	803	11	05	780	23	10 *
779	779	786	787	787	790	786	787	784		06	05	809	12	27	755	54	11
790	793	794	796	797	796	794	789	786		22	24	800	11	23	767	33	12 *
797	798	798	799	797	795	795	793	791		18	45	801	11	35	779	22	13 *
785	793	790	794	821	786	795	794	792		20	05	857†	16	35	780	77	14
773	774	767	756	770	782	766	766	776		06	47	815	12	37	694†	121	15 **
755	765	761	766	786	782	785	785	769		00	20	805	16	43	733	72	16 **
781	787	790	790	790	789	788	787	781		00	00	793	14	11	761	32	17
787	789	789	790	791	796	791	791	787		21	30	803	11	55	777	26	18 *
792	794	790	786	789	787	786	787	788		20	53	806	11	17	773	33	19
803	808	808	806	805	800	798	796	797		18	06	809	12	47	781	28	20 *
753	773	757	761	770	776	793	808	784		07	37	828	16	35	742	86	21
775	768	777	770	779	814	775	772	770		21	20	851	13	23	720	131	22 **
776	795	792	788	792	786	776	776	778		20	20	797	10	46	739	58	23
780	786	768	783	785	797	790	778	782		21	31	813	18	38	750	63	24
777	787	787	789	786	791	787	786	780		21	10	798	10	18	743	55	25
789	793	792	793	791	790	789	788	790		09	31	799	13	20	773	26	26
780	777	785	791	790	787	789	791	788		23	58	808	17	38	771	37	27
779	775	785	793	792	789	786	787	787		00	04	808	17	00	772	36	28
791	794	782	796	778	786	796	798	792		19	24	834	19	07	767	67	29
772	776	785	781	776	786	779	783	776		02	01	849	13	57	725	124	30 **
782	786	786	787	788	791	786	788	784		-		814	-		756	58.5	Mean
794	797	797	798	797	797	795	792	791		-		803	-		777	26.4	Mean *
773	773	775	774	777	797	778	776	776		-		834	-		725	108.4	Mean **
18000 γ + Tabular Quantities (in γ)																	DECEMBER
777	787	783	791	784	786	787	788	782		19	11	801	16	03	767	34	1
789	793	790	790	790	788	790	794	790		08	02	797	15	01	778	19	2 *
795	795	793	794	801	805	804	803	795		21	55	805	18	17	784	21	3
730	733	765	779	779	782	785	783	785		06	45	826	16	47	721	105	4
787	790	791	789	788	787	784	785	787		09	14	798	14	31	774	24	5
794	796	796	796	795	794	788	789	793		10	12	799	00	10	783	16	6 *
796	799	799	794	787	790	792	794	796		08	27	804	20	13	785	19	7 *
779	775	771	768	767	774	773	780	787		05	37	807	19	57	765	42	8
801	804	804	804	802	801	791	792	796		05	50	814	00	45	776	38	9
797	791	781	777	785	786	782	771	794		07	03	808	23	16	759	49	10
746	737	735	778	761	767	769	769	771		19	27	820	18	38	729	91	11 **
793	790	789	773	763	773	773	766	778		18	09	798	21	23	756	42	12
784	789	791	793	795	781	784	775	783		22	02	819	00	04	758	61	13
783	779	784	803	812	793	792	788	788		20	11	817	17	40	771	46	14
793	792	787	786	783	787	789	790	786		05	45	799	02	15	771	28	15
794	795	793	792	796	795	795	792	794		08	33	805	01	24	782	23	16
761	726	720	730	736	715	744	741	776		00	12	817	21	34	682†	135	17 **
755	740	745	743	720	713	748	765	759		02	37	823	21	21	685	138	18 **
772	773	782	795	753	768	798	783	772		00	58	826	08	10	726	100	19 **
761	787	767	745	776	794	773	763	774		21	07	834†	19	18	737	97	20 **
772	777	767	785	763	768	775	780	774		18	58	828	12	55	743	85	21
782	785	788	783	784	783	784	797	780		23	08	802	11	03	753	49	22
788	789	790	790	789	788	788	787	787		05	41	795	11	05	775	20	23 *
788	791	790	788	790	794	792	792	789		07	33	799	15	03	775	24	24
795	795	795	794	792	793	792	800	794		23	37	810	11	09	783	27	25 *
748	761	772	774	770	774	786	776	784		09	02	817	14	37	728	89	26
787	786	784	777	782	802	792	791	786		21	34	819	19	45	774	45	27
793	797	798	797	797	795	791	786	793		06	58	802	13	40	777	25	28
790	791	791	790	790	790	796	795	793		06	05	804	15	27	781	23	29
798	799	799	798	791	790	791	800	797		23	44	834†	23	10	783	51	30
768	775	776	788	792	792	792	792	788		00	00	818	15	07	753	65	31
781	781	781	783	781	782	785	784	786		-		811	-		759	52.6	Mean
792	794	794	793	791	791	790	793	792		-		801	-		781	20.2	Mean *
759	753	750	758	749	751	766	764	770		-		824	-		712	112.2	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JANUARY	43000 γ + Tabular Quantities (in γ)																
1	517	515	514	511	512	512	513	514	516	517	512	509	512	517	521	520	
2	514	512	511	509	509	509	509	509	513	516	512	512	513	516	519	520	
3	517	516	516	514	513	513	514	515	516	516	513	515	520	521	521	521	
4 *	517	517	516	514	514	514	514	514	516	516	512	512	516	519	519	520	
5 *	515	514	515	516	514	513	513	512	512	509	503	506	505	508	513	516	
6	511	512	513	513	512	511	509	507	506	505	504	504	504	509	515	518	
7	510	511	512	512	511	509	508	508	506	504	502	501	502	504	512	516	
8	516	516	516	515	515	515	515	514	513	511	507	505	502	507	514	518	
9	509	510	509	510	512	512	513	511	510	507	504	503	500	504	514	519	
10 **	513	513	510	502	497	500	505	506	502	500	505	505	513	532	551	572	
11 **	511	510	512	512	515	515	518	519	520	521	519	517	518	520	524	526	
12	518	518	517	517	519	520	521	522	522	521	520	521	519	522	524	524	
13	517	517	516	516	518	519	520	520	521	522	521	519	515	516	518	521	
14	519	517	516	515	515	516	517	518	519	518	516	512	508	512	516	520	
15	524	519	519	519	519	519	519	520	521	523	520	519	516	520	523	524	
16 **	516	518	515	517	517	517	516	515	517	516	515	516	518	523	526	529	
17	520	520	520	520	520	520	519	520	520	521	520	518	518	522	529	528	
18	519	519	519	518	516	516	515	515	515	515	515	515	515	516	520	520	
19 **	516	516	514	514	511	511	511	510	509	511	511	512	510	513	525	535	
20	520	520	521	520	520	520	520	520	518	516	516	515	516	520	524	528	
21	517	516	516	517	517	517	516	515	511	509	509	506	506	516	522	523	
22 *	516	517	517	518	519	519	518	517	516	516	517	514	508	511	519	522	
23 *	515	515	516	517	518	519	518	517	514	514	512	509	508	513	519	519	
24 *	513	513	514	516	516	517	517	516	512	511	510	510	508	509	513	515	
25	511	511	511	512	513	514	514	512	510	509	510	510	510	511	514	513	
26	511	511	512	513	514	515	515	516	519	515	511	511	508	512	519	520	
27 **	512	508	507	510	512	511	511	512	512	509	513	515	512	513	517	519	
28	514	513	513	514	515	516	517	517	515	514	511	512	511	512	518	519	
29	514	513	513	514	513	514	515	516	516	514	513	513	512	512	515	516	
30	511	508	511	511	511	512	513	513	515	517	514	513	512	514	517	521	
31	518	516	513	513	513	513	515	514	515	515	515	515	515	513	513	514	
Mean	515	515	514	514	514	514	515	515	514	514	512	512	511	515	520	522	
Mean *	515	515	516	516	516	516	516	515	514	513	511	510	509	512	517	518	
Mean **	514	513	512	511	510	511	512	512	512	511	513	513	514	520	529	536	
FEBRUARY	43000 γ + Tabular Quantities (in γ)																
1 *	513	513	512	512	511	511	511	512	513	512	511	510	512	513	514	514	
2	514	513	511	510	510	509	510	512	513	511	512	512	510	505	510	512	
3	516	515	515	514	513	512	512	511	512	512	511	511	512	512	516	517	
4 **	517	515	514	514	513	511	511	509	508	507	498	496	494	501	518	536	
5	527	527	526	524	526	525	524	523	521	519	521	521	519	519	523	526	
6	517	518	518	519	521	521	519	519	516	515	513	514	516	517	520	523	
7 **	509	501	497	505	509	513	514	514	511	512	512	512	512	514	518	526	
8 *	513	514	515	516	516	518	518	517	515	514	508	507	506	507	511	514	
9	511	511	508	510	513	514	514	514	513	511	507	505	507	508	510	515	
10 *	511	509	509	510	512	513	514	514	515	515	511	508	507	507	509	513	
11	510	510	508	508	509	510	511	512	515	515	508	507	508	511	508	508	
12 **	518	520	516	518	521	522	519	520	521	521	516	514	515	514	516	522	
13	515	515	515	514	511	513	514	514	515	514	511	511	513	509	512	513	
14	510	507	507	508	511	511	512	513	515	515	514	514	514	516	520	521	
15	518	517	517	514	511	508	510	511	512	513	511	511	512	513	514	515	
16 **	513	512	509	509	507	504	505	505	507	505	504	508	528	530	544	557	
17	508	509	512	515	515	514	515	514	509	510	513	516	518	518	522	527	
18	519	522	522	522	522	520	519	515	515	516	510	508	510	508	512	516	
19 *	518	519	520	520	520	519	518	515	513	510	506	505	507	513	517	523	
20	515	516	517	518	518	518	515	515	513	508	504	503	504	514	519	522	
21	516	516	516	517	517	517	515	513	510	505	500	499	500	505	513	521	
22	514	513	514	513	512	508	505	504	504	500	499	497	498	500	508	516	
23	513	513	514	513	513	514	514	512	512	510	503	498	498	501	510	518	
24	512	512	512	513	514	514	514	512	512	511	503	499	500	504	509	517	
25	514	512	513	514	514	515	515	516	516	514	508	503	500	503	511	518	
26 **	513	511	510	511	512	513	512	513	512	508	496	485	482	481	489	493	
27	511	511	511	512	514	514	513	512	513	509	503	499	503	511	516	530	
28 *	519	519	518	518	518	518	518	518	518	513	506	503	504	505	508	511	
Mean	514	514	513	514	514	514	514	514	513	512	508	506	507	509	514	519	
Mean *	515	515	515	515	515	516	516	515	515	513	508	507	507	509	512	515	
Mean **	514	512	509	511	512	513	512	512	512	511	505	503	506	508	517	527	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
										h m		h m		γ	
									43000 γ + Tabular Quantities (in γ)						JANUARY
518	517	517	516	517	517	518	519	515		14 15	521	11 25	507	14	1
521	521	520	519	520	519	519	519	515		17 25	522	07 13	506	16	2
519	518	516	516	517	518	518	518	517		13 25	522	10 40	512	10	3
519	518	515	514	514	514	514	514	516		15 10	520	21 40	512	8	4 *
514	513	511	511	510	510	511	512	512		15 27	516	10 20	501	15	5 *
518	517	514	514	514	511	510	510	511		15 57	518	12 10	502	16	6
516	517	517	517	517	520	520	518	511		21 56	521	11 30	499	22	7
519	519	520	517	515	512	511	509	513		17 24	521	12 20	501	20	8
520	523	523	525	526	524	519	516	513		20 00	527	12 49	497	30	9
584	573	569	579	550	543	533	518	528		19 31	595†	09 42	489†	106	10 **
528	530	531	529	529	528	525	523	521		18 00	534	00 26	506	28	11 **
524	524	524	525	525	525	523	521	522		21 07	525	23 58	515	10	12
520	520	521	522	522	523	522	520	519		21 10	523	12 50	513	10	13
525	528	534	542	546	544	549	534	523		22 44	556	12 17	506	50	14
522	520	520	523	522	523	520	515	520		00 10	525	23 57	512	13	15
525	525	525	521	524	527	523	521	520		17 31	529	00 00	512	17	16 **
524	521	520	520	521	520	520	519	521		14 55	529	11 40	515	14	17
520	518	516	516	515	515	516	516	517		16 30	520	09 30	514	6	18
547	553	544	531	527	524	522	521	521		18 00	566	12 30	506	60	19 **
523	522	520	521	519	518	516	517	520		15 15	528	11 20	514	14	20
522	522	520	518	517	519	516	515	516		15 40	523	11 50	504	19	21
519	520	520	519	518	517	515	515	517		15 30	522	13 00	507	15	22 *
518	519	518	517	517	515	514	513	516		15 04	519	12 00	506	13	23 *
515	517	517	517	516	516	514	512	514		20 40	517	13 00	507	10	24 *
513	514	515	515	516	516	513	513	512		17 34	516	08 52	506	10	25
521	522	526	526	525	522	519	516	517		18 46	527	12 30	506	21	26
519	521	521	521	522	522	521	515	515		20 45	522	09 15	507	15	27 **
517	518	519	520	520	518	518	516	516		15 18	520	11 01	509	11	28
516	516	516	516	516	516	515	516	515		17 30	518	11 58	510	8	29
518	518	517	516	517	520	520	518	515		15 10	521	01 57	508	13	30
515	514	514	514	514	514	513	514	514		00 16	518	13 40	510	8	31
523	523	522	522	521	520	519	517	517		-	527	-	507	20.1	Mean
517	517	516	516	515	514	514	513	515		-	519	-	507	12.2	Mean *
541	540	538	536	530	529	525	520	521		-	549	-	504	45.2	Mean **
									43000 γ + Tabular Quantities (in γ)						FEBRUARY
511	511	510	509	510	510	512	513	512		14 50	514	19 20	508	6	1 *
510	509	510	511	512	516	517	518	512		23 01	519	13 30	501	18	2
515	515	513	512	512	512	513	514	513		14 53	517	21 10	509	8	3
542	567	578	563	554	543	534	531	524		18 43	584	11 55	490	94	4 **
524	524	522	521	518	517	516	516	522		00 02	529	23 16	514	15	5
523	521	519	517	516	514	514	514	518		15 46	523	22 52	509	14	6
533	535	533	526	523	518	515	514	516		17 54	550	02 21	491	59	7 **
517	518	519	519	517	515	515	512	514		05 45	519	11 03	504	15	8 *
516	517	519	519	518	517	515	514	513		18 52	519	11 40	501	18	9
513	514	515	516	515	515	513	512	512		08 15	516	13 37	505	11	10 *
509	509	513	524	539	546	535	533	515		21 08	549	11 15	503	46	11
525	526	528	533	529	523	517	514	520		20 07	541	23 45	509	32	12 **
516	519	519	523	519	521	522	523	515		23 09	528	13 30	507	21	13
520	520	517	519	529	521	516	519	515		20 55	539	01 11	506	33	14
517	524	529	519	516	514	514	513	515		18 23	536	05 25	508	28	15
579	581	574	573	563	548	539	524	530		16 40	587†	10 54	499	88	16 **
525	526	526	524	524	522	521	519	518		18 44	529	00 23	502	27	17
519	520	523	524	520	520	520	518	518		19 00	529	13 13	506	23	18
523	520	520	518	518	517	515	515	516		15 31	523	11 39	502	21	19 *
523	522	518	518	517	516	519	517	515		16 40	523	11 45	499	24	20
525	532	530	525	523	520	516	515	515		17 36	533	11 37	497	36	21
522	523	524	522	519	517	514	513	511		18 17	525	12 04	493	32	22
522	520	521	520	520	519	519	514	513		16 15	525	11 18	495	30	23
525	527	531	528	528	520	519	516	515		18 20	534	11 32	497	37	24
520	519	518	517	521	516	517	517	514		20 38	526	12 15	500	26	25
501	509	518	536	536	527	516	511	508		19 39	540	13 12	475†	65	26 **
540	536	534	535	535	528	523	521	518		16 30	541	11 26	497	44	27
516	516	516	516	517	517	517	516	514		00 00	520	11 07	501	19	28 *
523	524	525	525	524	521	519	517	516		-	533	-	501	31.8	Mean
516	516	516	516	515	515	514	514	514		-	518	-	504	14.4	Mean *
536	544	546	546	541	532	524	519	520		-	560	-	493	67.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MARCH	43000 γ + Tabular Quantities (in γ)																
1	515	515	514	513	513	513	512	510	509	508	505	498	494	495	501	510	
2	515	515	512	513	513	513	513	512	511	510	506	503	499	499	504	510	
3	516	515	513	511	511	510	509	509	509	506	501	496	493	496	509	519	
4	525	525	521	519	517	516	514	511	510	506	500	496	498	501	506	513	
5 **	513	514	515	515	513	511	511	509	509	506	500	498	498	509	515	518	
6 **	516	516	516	516	507	500	500	501	505	502	500	500	504	512	515	526	
7	514	513	513	515	518	518	516	516	516	509	505	500	501	505	512	520	
8 *	515	515	516	517	517	519	517	517	515	509	500	494	496	503	510	517	
9 *	512	513	513	515	516	517	517	517	515	510	503	500	497	499	507	513	
10	510	511	510	510	511	512	512	513	511	503	498	497	497	501	507	512	
11	512	511	510	510	511	505	505	505	509	504	498	497	497	497	506	513	
12 **	515	510	510	511	512	515	511	514	512	508	501	497	499	506	517	527	
13	514	509	510	512	512	513	514	514	514	511	508	504	502	503	507	514	
14	516	516	515	513	512	512	512	515	516	511	507	500	500	501	506	514	
15	514	514	514	508	506	506	505	506	507	504	500	497	498	499	501	508	
16 *	510	511	511	509	508	509	509	510	509	506	500	494	493	496	500	506	
17	512	512	512	511	510	509	510	513	511	506	497	492	489	496	506	512	
18	511	511	511	510	509	507	507	508	507	502	497	490	490	494	502	510	
19 **	513	512	507	508	509	509	509	511	511	505	500	496	495	497	509	517	
20	516	517	517	517	516	513	514	515	512	505	501	494	492	497	505	511	
21 **	507	507	511	514	514	514	512	510	509	504	497	493	490	494	507	522	
22	508	513	514	516	516	515	513	514	513	508	498	492	490	496	505	513	
23	511	511	513	514	515	514	514	515	513	506	497	491	490	493	500	510	
24	511	508	505	507	510	511	512	515	512	504	498	491	491	495	502	511	
25	509	510	507	505	505	504	505	508	508	504	498	493	491	496	503	512	
26	511	510	505	505	507	508	510	513	513	506	496	487	483	488	498	507	
27 *	508	508	508	508	507	507	507	510	511	507	499	489	482	488	498	508	
28	507	508	508	508	508	507	508	509	509	503	490	479	481	491	500	508	
29	511	509	507	505	505	505	503	505	509	510	501	490	486	495	502	508	
30 *	509	508	507	508	507	507	508	512	512	504	495	487	486	490	499	506	
31	515	511	508	508	506	505	507	508	503	498	492	487	486	490	495	498	
Mean	513	512	511	511	511	510	510	511	511	506	499	494	493	497	505	513	
Mean *	511	511	511	511	511	512	512	513	512	507	499	493	491	495	503	510	
Mean **	513	512	512	513	511	510	509	509	509	505	500	497	497	504	513	522	
APRIL	43000 γ + Tabular Quantities (in γ)																
1	508	508	507	507	503	501	499	501	499	499	498	494	496	501	509	513	
2	513	514	513	512	510	509	509	509	508	503	496	492	488	494	503	512	
3	494	502	508	509	509	508	504	508	509	502	496	489	490	497	508	519	
4	508	508	512	513	512	510	509	510	509	501	498	492	493	496	504	512	
5	498	501	502	504	506	507	509	512	510	506	502	498	494	497	503	511	
6 **	508	508	509	509	505	503	504	503	504	501	492	486	484	491	499	512	
7 **	506	500	499	502	495	498	493	486	486	487	495	489	496	508	519	552	
8 **	480	482	493	494	500	504	509	513	511	507	502	491	489	497	508	521	
9	509	500	509	513	515	518	520	520	517	509	503	500	497	505	519	528	
10 **	511	511	516	514	513	515	517	520	516	505	500	496	500	501	513	537	
11	507	501	492	492	496	506	511	516	516	507	505	505	506	510	521	531	
12	512	514	510	506	511	514	516	518	516	512	504	503	501	500	505	510	
13 *	506	511	516	517	517	517	516	516	514	507	502	500	496	499	507	515	
14 *	515	512	515	515	514	512	511	511	510	506	502	496	494	501	507	512	
15	515	515	515	512	510	509	512	511	508	503	499	493	492	493	499	512	
16	515	514	511	508	509	509	512	512	512	507	501	492	492	501	507	515	
17	514	515	513	509	505	507	511	511	508	502	496	490	492	498	507	513	
18	515	516	517	514	511	508	507	505	502	496	488	491	496	506	514	522	
19	514	514	508	510	512	516	517	513	512	504	493	489	489	496	506	516	
20	513	510	510	513	516	518	520	517	511	501	490	488	486	491	503	512	
21	509	509	510	511	512	513	513	513	509	501	490	482	479	484	495	506	
22 **	496	491	491	491	502	504	504	507	505	504	495	494	501	513	526	547	
23	509	507	507	504	507	510	512	513	512	510	505	503	503	509	518	522	
24 *	515	516	518	520	522	524	523	518	514	507	498	494	491	498	504	508	
25	514	514	515	516	518	519	518	514	508	502	489	490	491	495	501	512	
26	516	516	514	515	517	516	511	508	508	507	501	498	496	503	509	517	
27	511	510	514	517	516	514	513	511	509	505	498	494	490	499	508	517	
28	516	516	514	517	518	521	515	509	506	503	501	495	493	498	508	518	
29 *	516	515	514	513	517	519	520	520	519	514	504	497	494	500	510	518	
30 *	515	515	515	516	514	514	512	509	508	505	495	491	492	500	509	518	
Mean	509	509	510	510	510	511	512	511	509	504	498	494	493	499	508	519	
Mean *	513	514	516	516	517	517	516	515	513	508	500	496	493	500	507	514	
Mean **	500	498	502	502	503	505	505	506	504	501	497	491	494	502	513	534	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
43000 γ + Tabular Quantities (in γ)															MARCH
										h m		h m		γ	
518	519	516	516	516	516	516	516		511	17 01	521	12 12	491	30	1
518	518	521	519	517	516	516	516		512	18 45	523	12 26	496	27	2
522	520	521	525	527	527	525	524		513	21 09	529	12 40	490	39	3
517	514	511	511	512	513	514	515		512	01 30	526	11 50	494	32	4
526	537	533	531	526	524	521	519		515	17 13	540	11 51	495	45	5 **
536	539	535	534	525	519	517	516		515	17 24	543	05 57	490	53	6 **
525	529	524	519	516	515	513	513		514	17 34	530	11 33	499	31	7
521	521	518	517	515	513	512	512		513	16 40	521	11 50	491	30	8 *
516	516	516	516	515	512	511	510		512	05 30	517	12 40	495	22	9 *
522	526	528	523	523	525	526	518		513	18 12	531	12 10	494	37	10
524	531	527	528	526	519	518	516		512	17 30	533	11 03	493	40	11
542	542	535	542	536	529	526	524		518	16 55	562†	11 51	494	68	12 **
518	519	517	518	519	517	517	517		513	00 00	522	12 19	501	21	13
517	517	520	518	517	516	515	514		512	18 51	523	12 06	498	25	14
512	511	511	511	512	518	513	509		508	21 40	522	11 57	493	29	15
511	510	510	511	511	512	511	512		507	20 58	513	11 41	492	21	16 *
516	512	509	510	510	510	510	511		508	16 29	516	12 12	486	30	17
516	517	516	516	519	515	513	513		508	20 03	522	11 45	487	35	18
521	528	540	537	530	523	518	516		513	18 35	544	13 11	492	52	19 **
519	528	536	529	521	516	520	512		513	18 10	538	12 14	491	47	20
528	530	537	528	523	521	510	502		512	18 33	544	12 16	488	56	21 **
520	520	518	516	513	512	515	511		510	16 30	521	12 30	488	33	22
518	519	518	516	514	512	511	510		509	16 50	521	12 44	486	35	23
513	517	517	517	514	513	512	511		508	18 00	517	11 58	487	30	24
519	521	520	518	518	517	515	512		508	17 10	522	12 37	488	34	25
511	511	510	511	511	510	509	508		505	08 07	513	12 00	483	30	26
512	512	512	512	511	510	509	508		505	07 51	512	12 48	482	30	27 *
515	518	517	516	516	519	515	513		506	21 10	519	11 57	475†	44	28
511	510	512	512	511	510	510	509		506	00 00	513	12 15	483	30	29
506	506	507	509	509	511	514	515		505	23 05	515	12 20	484	31	30 *
501	503	504	506	505	505	507	507		502	00 22	515	11 50	483	32	31
518	520	520	519	517	516	515	513		510	-	525	-	490	35.5	Mean
513	513	513	513	512	512	511	511		508	-	516	-	489	26.8	Mean *
531	535	536	534	528	523	518	515		515	-	547	-	492	54.8	Mean **
43000 γ + Tabular Quantities (in γ)															APRIL
519	519	517	513	513	514	512	512		507	17 30	522	11 20	493	29	1
515	514	513	516	522	513	512	509		508	20 20	525	12 25	487	38	2
522	523	525	522	521	513	509	508		508	18 10	526	12 00	486	40	3
514	514	514	514	512	510	510	508		508	18 01	516	11 53	492	24	4
515	516	516	511	509	507	506	507		506	18 33	516	12 50	493	23	5
516	522	535	535	526	528	515	512		509	18 54	544	11 59	480	64	6 **
530	529	528	535	519	516	508	487		507	19 55	564	23 54	471†	93	7 **
570	557	556	553	540	520	517	516		514	16 26	594†	00 04	473	121	8 **
529	532	531	528	527	522	517	514		516	17 25	532	11 34	495	37	9
534	540	560	548	539	530	498	503		518	18 29	585	22 40	488	97	10 **
539	544	535	530	528	524	519	513		515	17 33	546	02 32	488	58	11
517	522	525	525	525	526	521	515		514	21 33	528	12 50	498	30	12
521	525	526	523	521	521	521	521		514	18 28	526	12 40	496	30	13 *
513	516	517	516	516	516	516	516		511	00 00	517	12 20	492	25	14 *
517	522	522	521	516	517	517	517		510	17 39	523	12 30	491	32	15
519	523	526	521	519	521	515	514		511	18 15	527	12 10	487	40	16
516	519	519	516	514	513	512	514		509	17 50	520	11 16	487	33	17
526	523	525	522	522	516	514	515		511	16 31	527	10 32	486	41	18
518	517	516	514	512	511	511	512		509	06 26	518	11 34	486	32	19
520	519	518	516	514	513	512	511		509	16 33	525	12 58	485	40	20
520	541	554	557	540	522	519	518		513	19 03	563	12 03	477	86	21
558	562	561	550	542	527	514	507		516	18 01	566	00 49	485	81	22 **
529	533	531	527	523	519	517	517		514	16 50	533	11 51	499	34	23
513	522	523	523	519	518	516	514		513	05 24	524	12 34	488	36	24 *
514	521	527	533	532	523	519	518		513	19 40	537	10 55	485	52	25
521	524	524	522	522	520	521	516		513	18 04	524	12 20	492	32	26
522	527	526	526	526	522	519	518		513	20 17	530	12 12	487	43	27
523	523	522	520	521	521	518	518		513	17 39	524	12 21	489	35	28
518	518	521	522	524	524	523	521		515	20 30	524	12 19	492	32	29 *
523	524	524	526	523	521	520	520		513	19 38	529	11 55	488	41	30 *
524	526	528	526	523	519	515	513		512	-	534	-	488	46.6	Mean
518	521	522	522	521	520	519	518		513	-	524	-	491	32.8	Mean *
542	542	548	544	533	524	510	505		513	-	571	-	479	91.2	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MAY	43000 γ + Tabular Quantities (in γ)																
1	518	509	509	513	514	513	510	509	508	503	495	491	492	499	508	514
2	517	519	519	517	514	511	505	500	500	496	488	488	489	497	505	513
3	515	514	515	514	514	514	510	505	500	496	492	487	489	500	506	512
4 *	515	516	517	518	519	520	514	509	505	498	493	489	490	497	506	514
5	513	514	515	517	519	519	516	509	503	499	493	488	487	493	503	509
6 **	511	510	510	512	514	514	511	506	500	493	485	477	485	501	529	560
7	517	515	512	515	522	525	524	523	519	512	501	494	490	497	506	513
8	522	517	516	519	521	523	522	519	512	505	498	490	490	495	501	507
9	513	515	516	517	518	520	519	516	512	505	500	494	492	494	499	505
10	514	512	511	510	512	514	515	514	511	507	500	494	487	487	494	504
11	515	514	515	516	517	520	517	515	509	500	489	478	475	482	495	511
12	516	515	515	516	519	522	523	524	522	517	510	503	503	506	511	516
13 **	516	516	516	515	517	517	515	514	512	506	499	491	491	502	511	514
14 **	510	506	502	498	505	513	512	514	509	506	504	498	502	512	520	524
15 **	514	514	510	506	508	511	512	507	508	504	494	489	491	500	510	515
16	519	518	518	518	518	516	512	510	507	501	495	494	495	501	511	519
17	518	518	518	519	520	520	517	515	511	505	499	495	500	507	511	518
18 *	515	516	517	517	519	522	520	520	518	512	497	487	490	498	509	516
19	513	514	516	517	519	522	519	513	505	496	486	480	485	496	512	524
20	515	516	517	517	519	520	517	512	507	495	481	469	473	485	504	517
21	514	514	515	517	520	523	521	520	512	504	490	478	480	489	502	516
22	511	511	511	514	519	523	523	520	512	502	490	483	481	487	498	508
23 *	511	511	512	514	515	517	515	513	511	506	496	482	476	483	500	511
24 *	511	510	511	512	514	514	513	511	506	500	494	485	488	492	498	502
25 *	510	510	510	512	514	516	516	514	509	506	501	492	488	491	493	499
26	509	508	509	510	512	513	510	511	508	495	480	472	475	483	488	499
27	510	509	508	508	512	513	506	501	495	490	484	481	482	486	503	519
28	513	512	513	513	514	515	512	511	505	496	488	493	498	506	515	518
29	515	515	514	513	513	513	510	504	502	501	500	496	497	504	511	515
30	515	515	515	515	516	517	515	512	503	492	485	488	491	498	507	513
31 **	513	513	513	513	514	512	506	505	504	495	487	487	500	518	533	553
Mean	514	513	513	514	516	517	515	512	508	501	493	488	489	496	506	515
Mean *	512	513	513	515	516	518	516	513	510	504	496	487	486	492	501	508
Mean **	513	512	510	504	512	513	511	509	507	501	494	488	494	507	521	533
JUNE	43000 γ + Tabular Quantities (in γ)																
1	515	516	518	518	520	519	515	509	508	503	498	495	493	500	508	516
2	517	516	518	520	521	518	512	504	499	497	494	490	489	496	505	514
3	516	517	518	519	521	520	517	514	510	501	494	491	488	497	511	523
4	510	500	500	508	514	520	515	511	504	495	484	480	489	501	512	523
5	505	508	511	513	517	519	519	515	510	500	495	491	497	502	511	519
6	513	504	499	503	509	508	504	504	502	501	498	495	498	501	509	515
7	513	511	512	515	518	519	515	514	514	507	502	497	501	503	509	517
8 *	516	516	516	517	519	519	518	515	510	504	493	490	492	497	504	509
9 **	512	511	510	513	507	499	500	503	501	498	493	492	487	485	495	501
10 **	494	504	507	500	498	497	501	507	511	502	500	500	492	498	505	512
11	515	514	515	516	515	517	515	514	513	510	504	499	497	505	512	514
12	515	513	514	514	517	518	516	514	510	510	504	497	495	500	505	519
13	517	515	515	515	515	517	514	514	513	508	504	502	502	504	507	509
14	515	515	514	515	515	515	515	513	509	503	495	494	495	503	516	525
15	516	513	511	513	513	514	515	514	513	513	507	499	497	504	513	523
16	515	511	513	516	519	520	521	520	516	509	502	497	497	500	510	519
17 *	515	517	519	519	521	522	520	518	514	507	494	481	480	492	505	514
18 *	514	515	515	518	520	523	519	511	505	494	483	479	483	493	500	507
19 *	512	513	514	516	518	519	514	510	506	495	488	481	485	494	508	520
20 *	510	511	514	516	521	524	520	517	515	511	505	495	490	493	499	508
21	510	511	511	514	516	518	518	515	514	508	495	481	480	480	495	505
22	506	505	507	511	513	508	506	511	508	502	499	495	494	499	506	512
23 **	507	507	506	506	507	506	512	516	512	509	493	485	487	492	502	513
24	511	511	512	515	516	519	520	520	517	515	509	497	489	489	495	509
25	506	504	507	511	514	515	514	517	520	516	504	493	499	509	514	519
26	516	515	515	516	516	517	515	513	515	507	494	490	489	496	502	511
27 **	512	506	507	507	506	503	500	499	503	505	503	507	509	512	524	526
28 **	521	519	517	516	514	516	507	504	507	503	501	496	503	507	511	513
29	516	515	513	506	512	511	506	507	503	505	502	498	504	504	520	527
30	513	513	516	515	509	506	504	505	504	507	500	493	495	502	507	517
Mean	512	512	512	513	515	515	513	512	510	505	498	493	493	499	507	515
Mean *	513	514	516	517	520	521	518	514	510	502	493	485	486	494	503	512
Mean **	509	509	509	508	506	504	504	506	507	503	498	496	496	499	507	513

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									43000 γ + Tabular Quantities (in γ)						MAY
										h m		h m		γ	
517	518	519	519	524	524	522	518	511		21 42	525	11 58	489	36	1
515	524	525	524	523	524	526	519	511		22 20	528	11 18	488	40	2
517	520	521	520	519	516	515	515	509		18 10	521	12 00	484	37	3
518	517	516	514	512	511	510	511	510		05 02	520	12 08	487	33	4 *
514	516	514	510	507	507	509	512	508		05 04	519	12 15	484	35	5
577	593	578	570	550	537	533	519	524		17 25	604†	11 17	473	131	6 **
520	525	528	527	526	523	521	520	516		18 44	528	12 32	489	39	7
514	521	527	527	524	522	520	514	514		19 11	527	12 00	487	40	8
509	513	519	521	520	518	516	515	511		05 38	521	12 00	490	31	9
510	516	520	520	518	517	516	514	509		18 48	520	13 09	483	37	10
521	534	539	535	530	525	524	517	512		18 28	540	12 12	471	69	11
520	523	522	518	516	516	517	516	516		06 54	524	11 55	501	23	12
514	516	520	517	520	524	514	512	512		21 51	527	11 45	487	40	13 **
524	520	521	521	526	523	522	513	513		20 46	529	03 32	494	35	14 **
518	527	540	537	525	520	519	518	512		19 00	543	11 48	485	58	15 **
522	523	522	521	520	519	519	518	513		17 00	523	11 44	491	32	16
521	523	521	518	515	515	515	515	514		17 47	523	11 39	492	31	17
521	522	521	516	513	512	512	512	513		05 44	522	11 50	484	38	18 *
529	529	524	518	516	516	512	513	511		16 40	531	11 55	477	54	19
524	526	522	518	514	513	513	513	509		16 56	527	11 48	464†	63	20
522	524	521	516	509	509	510	510	510		17 28	524	11 56	474	50	21
516	522	522	518	513	512	511	510	509		05 41	523	12 20	477	46	22
515	521	522	518	514	512	511	511	508		17 55	522	12 38	474	48	23 *
507	515	518	515	513	511	511	510	507		18 20	519	11 35	483	36	24 *
506	513	517	515	512	511	511	510	507		18 45	517	12 10	485	32	25 *
505	510	513	513	512	512	512	511	503		05 20	513	11 35	468	45	26
528	531	533	529	527	524	517	513	509		18 18	533	12 00	476	57	27
526	535	539	535	532	526	519	515	515		18 35	541	10 30	485	56	28
520	521	519	516	515	514	515	515	511		17 40	522	11 40	494	28	29
517	517	515	513	512	511	512	512	509		16 50	518	10 55	484	34	30
549	553	552	538	532	531	523	516	519		17 57	555	11 00	482	73	31 **
521	525	525	522	520	518	516	514	511		-	529	-	483	45.4	Mean
513	518	519	516	513	511	511	511	509		-	520	-	483	37.4	Mean *
536	542	542	537	531	527	522	516	516		-	552	-	484	67.4	Mean **
									43000 γ + Tabular Quantities (in γ)						JUNE
520	523	523	523	526	521	518	518	513		20 20	526	12 20	490	36	1
518	519	522	524	523	519	515	513	511		19 49	525	12 03	486	39	2
533	532	524	518	514	516	518	513	514		16 23	534	12 25	485	49	3
529	533	535	533	533	519	520	510	512		18 02	535	11 32	477	58	4
523	527	533	539	529	525	522	520	515		19 12	543	11 40	488	55	5
522	530	531	529	524	520	515	514	510		18 28	532	02 46	494	38	6
525	533	535	532	527	520	519	517	516		18 42	536	11 36	495	41	7
514	519	519	519	519	516	514	513	511		05 40	519	11 18	488	31	8 *
510	521	530	537	538	529	523	513	509		20 10	543	13 22	482	61	9 **
515	520	522	520	520	519	519	517	508		18 30	523	00 11	487	36	10 **
518	519	520	519	520	519	519	518	514		18 59	522	12 20	494	28	11
520	520	520	523	523	520	519	519	514		20 10	523	12 00	494	29	12
512	517	519	517	516	515	515	515	512		18 02	519	10 50	500	19	13
528	530	529	523	518	517	517	519	514		17 21	530	12 10	493	37	14
531	534	533	533	520	516	516	515	516		19 10	538	12 25	495	43	15
524	529	527	524	519	515	515	515	515		17 16	529	12 06	495	34	16
519	523	520	516	513	512	510	512	511		17 35	523	12 00	477	46	17 *
515	516	517	513	510	509	510	510	507		05 35	523	11 30	477	46	18 *
527	530	528	521	515	511	510	510	510		17 22	530	11 40	479	51	19 *
516	521	523	521	516	512	511	510	512		05 22	524	12 21	487	37	20 *
511	520	525	526	525	516	514	510	509		19 59	528	11 53	476†	52	21
521	526	527	529	525	520	516	512	511		19 56	529	12 12	490	39	22
525	534	544	553	535	529	522	516	513		19 29	562†	11 17	484	78	23 **
519	525	528	526	525	521	517	509	513		18 40	529	12 58	487	42	24
525	527	528	526	523	520	517	516	514		18 50	528	11 41	489	39	25
513	513	515	520	524	522	522	521	512		20 33	525	12 01	486	39	26
526	527	534	537	534	529	526	522	515		19 11	538	07 18	495	43	27 **
517	524	526	529	527	523	522	512	514		22 20	533	11 28	492	41	28 **
529	526	526	520	518	517	517	516	513		16 08	529	11 22	495	34	29
525	535	529	524	518	516	517	519	512		17 05	540	12 05	490	50	30
521	525	526	526	523	519	517	515	512		-	531	-	488	42.4	Mean
518	522	521	518	515	512	511	511	510		-	524	-	482	42.2	Mean *
519	525	531	535	531	526	522	516	512		-	540	-	488	51.8	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JULY	43000 γ + Tabular Quantities (in γ)																
1	517	515	517	519	519	521	516	513	505	497	492	489	485	492	505	514	
2	512	510	511	515	519	519	519	516	514	503	493	488	487	493	509	517	
3	517	515	515	517	522	522	517	512	508	502	495	492	487	487	501	512	
4 **	513	513	512	510	512	515	516	513	508	504	500	495	496	498	507	519	
5 **	504	506	512	511	501	501	505	508	507	512	505	496	493	497	507	514	
6	513	509	503	501	500	505	507	510	512	507	503	500	502	500	507	512	
7	516	516	515	517	519	519	519	515	511	505	501	499	498	494	494	504	
8	512	513	513	508	507	511	514	514	514	513	505	495	496	502	509	515	
9 *	513	512	511	509	512	513	516	516	515	514	507	495	484	488	499	511	
10	516	515	515	516	519	519	520	521	517	513	508	503	503	503	505	513	
11	513	513	512	511	513	513	513	512	511	512	504	493	492	503	509	514	
12	514	514	515	514	514	515	513	513	511	507	497	487	483	488	503	511	
13	515	515	508	508	511	512	512	513	515	511	507	498	496	499	511	519	
14	514	506	507	508	511	513	514	516	516	507	499	498	490	493	507	518	
15	514	510	510	512	517	518	515	511	506	502	502	503	506	510	509	510	
16 *	515	514	512	512	513	514	512	509	506	503	499	498	498	504	511	517	
17 *	516	517	518	518	522	525	521	516	506	492	484	485	488	496	507	515	
18 *	513	514	515	517	518	518	517	515	514	505	498	489	487	496	505	514	
19	513	515	516	517	521	525	523	518	506	496	487	486	484	493	506	516	
20	514	509	508	507	504	505	506	506	503	501	496	491	493	498	509	516	
21	513	510	507	507	511	515	517	515	509	504	497	488	486	490	498	508	
22	508	502	507	510	512	515	515	512	507	506	502	499	497	499	506	512	
23	507	510	512	513	516	516	515	516	514	507	500	494	494	500	512	519	
24	516	514	508	511	514	516	517	516	516	512	507	500	497	499	507	516	
25	507	495	495	495	497	501	507	509	517	519	520	522	521	523	527	532	
26 **	516	514	511	509	511	507	496	486	485	478	479	491	502	508	517	522	
27 **	504	489	493	494	505	511	511	512	513	510	507	504	503	506	519	545	
28 **	510	511	509	508	499	500	507	508	506	498	496	494	496	501	513	526	
29	514	507	507	511	515	515	515	515	516	516	508	497	491	497	511	522	
30 *	519	520	517	513	517	517	512	510	506	500	499	497	498	501	513	523	
31	516	518	520	520	521	522	520	520	519	516	512	507	500	505	516	520	
Mean	513	511	511	511	513	514	514	512	510	506	500	496	495	499	508	517	
Mean *	515	515	515	514	516	517	516	513	509	503	497	493	491	497	507	516	
Mean **	509	507	507	506	506	507	507	505	504	500	497	496	498	502	513	525	
AUGUST	43000 γ + Tabular Quantities (in γ)																
1 **	519	508	492	495	490	487	487	497	504	502	501	502	502	512	523	536	
2	500	509	515	518	519	522	520	515	506	503	499	498	501	504	512	523	
3	517	513	514	516	515	517	518	522	519	515	510	503	500	505	509	515	
4	515	516	516	516	516	517	514	511	507	501	498	497	493	491	501	514	
5	516	517	516	517	519	521	521	521	518	511	500	495	491	502	508	518	
6	515	516	512	513	514	513	511	515	513	503	497	492	493	505	512	523	
7	501	498	507	509	511	514	516	518	517	512	503	498	499	505	513	523	
8 **	515	510	493	498	508	513	516	512	512	511	503	495	490	501	513	522	
9	516	503	496	501	513	518	519	521	524	520	518	514	511	511	517	522	
10	510	519	513	512	512	514	516	517	516	512	504	504	513	519	526	529	
11 *	521	521	519	519	521	524	523	520	514	506	501	498	503	508	512	520	
12 *	519	520	519	518	518	518	517	514	507	498	493	496	499	509	518	522	
13 *	520	520	520	521	520	521	524	522	515	507	500	497	499	505	514	520	
14	514	517	519	520	517	519	524	523	516	508	497	494	501	504	511	515	
15	515	516	510	511	515	505	495	500	504	501	494	487	492	503	515	525	
16	509	499	495	509	520	524	520	518	516	511	504	499	500	508	517	521	
17 **	513	515	514	512	517	519	517	514	513	508	501	493	494	505	519	532	
18	513	511	507	514	517	517	511	510	509	505	492	480	485	495	507	518	
19	499	502	509	510	510	511	517	518	519	518	510	500	495	499	511	524	
20 *	509	512	515	518	522	524	527	529	528	522	508	499	501	507	517	523	
21	516	514	515	517	520	522	525	525	521	510	500	490	488	490	499	505	
22 **	511	491	490	496	509	515	519	514	517	511	498	487	483	492	504	515	
23	513	511	515	511	516	519	520	517	515	512	507	504	503	507	512	523	
24	519	515	513	507	508	511	514	514	514	510	504	504	504	522	524	524	
25	509	504	511	515	515	517	515	515	517	515	510	506	505	512	519	526	
26	518	517	519	519	520	521	521	520	513	507	504	501	503	511	517	524	
27	520	516	517	518	519	518	517	519	517	511	500	495	497	505	514	522	
28 *	520	521	520	519	520	521	521	518	514	510	506	502	502	511	519	526	
29	518	519	520	519	521	519	517	515	511	502	498	501	500	505	516	525	
30	521	521	519	522	525	523	522	518	509	505	502	499	505	514	532	536	
31 **	515	501	495	485	481	483	493	497	499	494	487	492	501	510	522	529	
Mean	514	512	511	512	514	516	516	516	514	508	502	497	498	506	515	523	
Mean *	517	519	519	519	520	522	522	521	516	509	502	498	501	508	516	522	
Mean **	515	505	497	497	501	503	506	507	509	505	498	494	494	504	516	527	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
43000 γ + Tabular Quantities (in γ)															JULY
										h m		h m		γ	
517	525	525	522	519	514	515	514		511	18 10	526	12 01	482	44	1
523	526	531	530	530	523	517	517		513	18 45	532	12 00	485	47	2
523	523	522	519	517	515	513	513		511	17 08	523	13 00	484	39	3
526	530	527	524	530	515	503	502		512	20 46	537	11 40	493	44	4 **
517	522	525	528	532	518	513	513		510	20 42	535	11 51	490	45	5 **
518	526	533	533	524	519	517	517		512	18 52	536	13 35	497	39	6
511	522	533	532	526	523	521	514		514	18 55	537	13 46	491	46	7
518	524	528	526	528	524	520	513		513	20 10	529	12 10	493	36	8
517	520	520	519	519	518	517	517		511	18 42	520	12 25	481	39	9 *
517	522	522	523	524	521	518	516		515	17 28	525	14 06	499	26	10
519	524	524	526	526	524	518	516		513	20 24	528	11 53	487	41	11
514	517	517	517	516	515	514	515		509	05 04	518	12 23	481	37	12
525	529	534	540	532	529	523	515		516	19 10	540	12 52	493	47	13
527	528	527	521	519	520	518	518		512	17 39	529	12 45	488	41	14
515	520	520	519	519	515	514	515		512	20 08	522	10 35	499	23	15
517	518	517	516	514	513	513	515		511	15 50	518	12 14	496	22	16 *
519	522	517	514	510	510	510	512		510	05 20	525	10 29	481	44	17 *
523	527	525	520	516	511	510	510		512	17 20	527	12 23	482	45	18 *
516	515	515	519	523	520	514	513		511	20 56	525	12 14	480	45	19
521	531	531	526	520	514	514	513		510	17 45	533	11 22	489	44	20
518	529	536	529	527	522	514	510		511	18 02	539	12 08	482	57	21
517	524	529	526	522	520	514	507		511	18 06	529	12 26	494	35	22
520	518	522	530	536	529	524	519		514	20 08	536	12 01	490	46	23
525	537	547	547	545	537	530	522		519	18 46	552	12 07	494	58	24
530	528	527	526	522	520	519	517		516	15 28	532	01 32	490	42	25
530	537	547	531	529	530	514	516		511	18 21	552	09 53	472†	80	26 **
541	540	530	522	522	526	521	518		514	15 38	559†	01 05	484	75	27 **
537	529	528	523	522	520	516	518		511	16 11	540	11 35	490	50	28 **
527	529	524	519	518	519	516	517		514	16 41	530	12 22	490	40	29
525	523	522	520	518	517	518	517		513	16 13	525	11 36	494	31	30 *
520	517	519	527	536	537	522	520		519	21 24	544	12 13	499	45	31
522	525	527	525	524	521	516	515		513	-	532	-	489	43.6	Mean
520	522	520	518	515	514	514	514		511	-	523	-	487	36.2	Mean *
530	532	531	526	527	522	513	513		512	-	545	-	486	58.8	Mean **
43000 γ + Tabular Quantities (in γ)															AUGUST
541	546	543	542	530	524	519	510		513	19 30	547	06 08	480	67	1 **
530	528	525	527	522	520	519	518		515	19 25	530	00 10	493	37	2
521	525	526	527	526	524	516	514		516	21 16	532	12 20	497	35	3
523	528	527	526	522	520	518	517		513	18 08	530	13 12	490	40	4
526	531	531	525	521	519	518	517		516	17 56	533	12 30	487	46	5
530	530	528	530	528	525	519	515		515	16 57	532	12 14	490	42	6
537	553	561	549	540	535	515	515		519	18 02	566†	01 09	491	75	7
537	543	542	540	535	532	528	517		516	17 15	545	12 28	486	59	8 **
529	531	533	529	528	520	519	519		518	16 57	533	01 57	491	42	9
536	534	533	526	523	523	522	521		519	16 33	536	11 09	502	34	10
523	524	518	518	516	518	518	519		516	17 22	524	11 25	496	28	11 *
523	523	523	518	518	518	518	519		514	16 02	524	10 05	492	32	12 *
523	520	517	511	513	516	518	519		515	06 58	524	11 25	495	29	13 *
517	518	518	519	520	520	521	515		514	06 32	524	11 10	491	33	14
530	535	530	525	524	525	519	519		512	17 22	536	11 44	483	53	15
525	524	524	529	528	524	520	513		515	19 59	533	02 12	489	44	16
542	540	543	538	526	524	511	505		517	19 05	547	11 47	487	60	17 **
536	547	543	535	527	527	518	515		514	17 29	548	11 47	477†	71	18
532	533	537	531	527	522	519	512		515	18 19	538	12 40	493	45	19
530	533	530	524	522	521	518	519		519	17 35	533	11 49	497	36	20 *
514	517	519	517	518	519	522	521		513	07 02	525	12 20	485	40	21
523	525	522	524	539	527	521	513		510	20 47	545	12 30	481	64	22 **
532	530	536	525	524	524	523	520		517	18 40	538	12 22	500	38	23
534	539	536	528	526	526	521	515		518	17 30	542	12 08	498	44	24
532	536	529	526	525	525	520	519		518	17 31	539	01 03	499	40	25
526	524	519	519	520	520	521	521		517	16 40	526	11 22	499	27	26
525	523	519	516	517	517	519	519		515	16 30	525	11 58	494	31	27
524	523	521	518	516	516	516	518		517	15 40	526	11 53	500	26	28 *
529	529	525	529	528	519	520	524		517	20 08	537	10 13	495	42	29
537	534	539	527	521	520	518	518		520	18 38	545	11 34	495	50	30
532	531	527	525	526	517	518	520		508	16 30	532	03 52	477†	55	31 **
529	531	530	527	524	522	519	517		516	-	535	-	491	44.0	Mean
525	525	522	518	517	518	518	519		516	-	526	-	496	30.2	Mean *
535	537	535	534	531	525	519	513		513	-	543	-	482	61.0	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
SEPTEMBER	43000 γ + Tabular Quantities (in γ)																
1	517	515	512	519	522	520	515	516	516	505	497	495	497	509	522	537	
2 **	519	522	522	511	502	505	507	510	509	508	504	497	501	519	532	544	
3 **	516	515	503	501	502	512	521	521	516	507	500	499	495	501	517	532	
4 **	492	506	508	501	494	497	506	511	509	506	503	506	507	509	520	527	
5	517	517	520	516	514	514	519	520	514	511	508	506	507	510	517	537	
6	507	507	511	506	502	501	501	504	510	509	508	507	511	517	524	534	
7	515	519	517	510	509	514	522	519	519	516	512	512	510	514	522	525	
8	523	521	515	503	504	513	522	522	517	519	519	516	514	518	524	526	
9	523	520	518	518	517	516	520	523	519	513	511	511	513	515	520	528	
10	524	523	519	510	506	510	514	517	517	515	513	508	507	508	513	519	
11	526	525	522	522	521	521	520	518	514	507	507	507	505	506	511	516	
12 **	522	522	523	522	520	518	517	521	512	505	505	507	514	519	527	533	
13	508	516	526	529	528	528	524	520	521	518	511	508	510	519	530	542	
14	526	522	520	522	523	521	522	518	521	516	507	504	507	516	525	529	
15	521	520	523	523	516	518	517	519	520	517	509	506	507	512	516	525	
16	518	520	523	525	525	527	528	528	525	519	515	509	509	510	517	526	
17 *	517	518	520	523	524	525	526	526	522	518	509	502	505	512	517	519	
18 *	515	515	518	520	523	524	526	527	524	519	510	504	498	500	507	514	
19 **	523	520	520	521	520	515	512	511	521	528	517	506	505	512	520	533	
20	485	489	505	515	520	524	527	529	528	527	522	515	513	512	519	525	
21	525	524	523	522	523	522	523	526	528	526	520	512	505	506	510	528	
22	523	520	517	510	514	518	519	521	522	518	510	508	504	509	520	522	
23	522	519	515	512	513	515	518	523	524	524	515	508	505	507	509	515	
24 *	522	522	520	518	519	520	519	520	524	524	518	513	509	512	514	517	
25 *	529	528	527	526	525	524	523	524	524	519	510	505	505	507	516	523	
26	520	513	499	485	491	503	509	516	519	519	514	509	510	515	518	529	
27	525	520	520	523	522	521	521	522	520	518	518	513	516	519	524	528	
28 *	523	525	524	523	525	524	525	526	523	516	508	505	508	515	522	526	
29	518	520	521	521	520	518	513	515	514	511	509	511	516	525	531	536	
30	525	523	515	515	508	499	499	500	506	510	513	516	520	525	531	535	
Mean	518	518	518	516	515	516	518	519	519	516	511	508	508	513	520	528	
Mean *	521	522	522	522	523	523	524	525	523	509	511	506	505	509	515	520	
Mean **	514	517	515	511	508	509	513	515	513	511	506	503	504	512	523	534	
OCTOBER	43000 γ + Tabular Quantities (in γ)																
1 **	527	525	519	519	515	514	516	520	522	523	522	524	531	527	534	542	
2	517	514	507	507	516	517	517	523	529	523	519	516	522	535	541	542	
3	524	526	526	526	525	524	526	526	527	527	522	516	519	526	537	537	
4 *	521	517	516	510	504	511	515	519	524	521	517	513	512	518	523	531	
5	525	526	526	526	527	527	530	532	531	525	520	513	511	511	519	525	
6	528	522	508	501	495	499	507	520	525	521	514	511	509	515	527	535	
7	521	523	522	521	518	521	523	526	526	526	519	512	508	512	518	525	
8 **	519	489	499	509	515	522	523	525	523	512	503	494	496	502	508	519	
9 **	499	499	498	511	513	515	515	518	516	516	512	508	516	532	533	537	
10	514	514	519	521	521	523	523	524	521	521	509	511	520	524	526	533	
11	529	523	519	513	508	504	509	514	518	519	514	516	521	526	533	533	
12 *	523	521	520	524	526	523	523	521	521	522	521	519	519	523	530	534	
13	527	528	529	529	528	526	526	527	527	521	516	513	522	529	532	538	
14	521	520	516	521	522	519	513	516	519	516	513	517	516	519	531	538	
15 *	519	522	524	526	526	524	525	526	524	521	513	512	510	516	526	534	
16	519	519	523	526	526	528	529	529	526	519	509	512	521	526	533	534	
17 *	519	519	523	527	528	529	531	533	533	529	520	513	514	520	528	532	
18	521	514	507	503	508	515	521	529	533	531	522	516	513	519	526	532	
19	524	524	525	525	525	525	526	529	528	527	522	517	514	530	528	542	
20	524	521	524	525	526	527	528	530	529	522	516	513	511	513	522	532	
21	523	521	518	517	519	520	521	526	529	529	519	514	514	517	523	529	
22	525	524	521	519	511	510	511	516	522	521	518	516	516	517	521	532	
23	524	522	504	506	506	513	518	521	524	523	514	511	513	519	528	538	
24	528	528	524	516	515	518	519	520	522	520	517	511	514	529	535	545	
25 **	510	510	517	522	522	515	515	517	520	522	520	520	528	534	535	548	
26 **	518	510	510	517	522	524	524	523	526	529	528	525	538	546	570	570	
27	525	525	520	522	522	522	517	520	522	524	525	522	530	545	552	564	
28	521	523	526	521	523	526	526	527	530	530	531	531	532	536	545	546	
29	526	526	523	520	523	525	526	527	528	525	521	516	520	528	534	537	
30	520	521	523	526	525	525	525	526	528	523	514	514	527	531	536	540	
31 *	526	524	524	524	526	524	526	524	525	522	520	520	524	529	535	538	
Mean	522	519	518	519	519	520	521	524	525	523	518	515	518	524	531	537	
Mean *	522	521	521	522	522	522	524	525	525	523	518	515	516	521	528	534	
Mean **	515	507	509	516	517	518	519	521	521	520	517	514	522	528	536	543	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Mean	Maximum			Minimum			Range	Date
43000 γ + Tabular Quantities (in γ)																	SEPTEMBER
										h	m		h	m		γ	
549	564	556	545		531	526	521	518	522	17	50	580	10	44	491	89	1
545	547	550	542		538	519	516	512	520	18	50	551	11	17	491	60	2 **
531	537	552	556		530	531	511	482	516	19	03	575	23	48	470†	105	3 **
547	540	534	536		523	518	515	516	514	16	27	562	00	00	484	78	4 **
552	558	554	547		535	529	524	522	524	17	25	559	10	50	503	56	5
542	547	550	544		534	526	522	523	519	18	48	557	07	15	498	59	6
527	528	528	528		529	526	524	523	520	17	24	529	04	01	507	22	7
528	530	528	526		527	526	526	526	521	18	00	530	04	20	500	30	8
530	532	534	539		530	528	523	522	522	19	24	541	11	19	508	33	9
520	520	523	523		523	524	525	525	517	23	58	526	04	38	503	23	10
517	520	520	520		520	521	522	521	517	22	07	526	10	22	503	23	11
548	559	567	544		542	534	538	515	526	18	35	573	09	42	500	73	12 **
548	559	553	545		523	526	527	528	527	17	43	567	11	38	505	62	13
532	532	531	530		527	526	521	520	522	17	12	532	10	52	502	30	14
530	532	530	535		532	528	523	521	521	19	58	538	11	58	502	36	15
533	534	530	532		527	514	513	516	522	19	58	537	13	05	506	31	16
525	527	529	528		526	524	522	519	520	19	25	530	11	52	500	30	17 *
524	526	526	527		525	524	522	524	518	07	00	527	12	50	497	30	18 *
547	549	555	554		534	533	518	497	524	19	05	602†	23	52	490	112	19 **
529	530	530	530		529	528	526	527	520	17	41	532	00	30	480	52	20
542	535	534	533		534	532	528	527	524	16	40	544	13	02	502	42	21
533	539	535	535		525	520	521	522	520	17	22	542	12	15	500	42	22
520	525	527	525		525	524	525	522	518	22	49	528	12	30	502	26	23
520	520	523	525		528	529	529	528	521	20	55	531	12	40	508	23	24 *
522	519	520	520		520	520	521	521	520	00	00	529	12	07	503	26	25 *
557	538	530	533		538	528	525	526	518	16	38	567	03	24	479	88	26
534	531	530	527		526	525	525	520	523	16	24	534	11	30	509	25	27
530	531	528	525		523	523	526	519	522	17	29	534	11	25	502	32	28 *
540	543	548	550		548	526	529	525	525	19	00	551	21	35	508	43	29
535	533	530	527		526	526	526	526	520	14	48	535	05	51	495	40	30
535	536	536	534		529	525	523	520	521		-	546		-	498	47.4	Mean
524	525	525	525		524	524	524	522	520		-	530		-	502	28.2	Mean *
544	546	552	546		533	527	520	504	520		-	573		-	487	85.6	Mean **
43000 γ + Tabular Quantities (in γ)																	OCTOBER
551	564	551	544		534	517	504	506	527	17	16	570	22	50	490	80	1 **
554	557	547	537		531	527	528	526	527	16	55	567	02	54	502	65	2
541	538	537	535		531	529	529	521	528	16	55	542	11	46	514	28	3
535	541	542	540		540	536	529	527	523	17	50	544	04	41	501	43	4 *
532	533	536	545		554	532	530	529	528	20	07	562	13	32	509	53	5
537	535	531	530		530	529	531	523	520	16	30	537	04	18	494	43	6
529	533	532	528		527	525	530	520	523	22	11	542	12	20	507	35	7
528	537	551	543		544	528	523	521	518	18	08	553	01	52	468†	85	8 **
542	534	532	534		533	533	530	528	521	16	40	546	01	27	491	55	9 **
543	539	539	531		524	526	531	528	524	18	53	557	10	58	507	50	10
536	534	533	529		535	529	524	524	523	20	34	539	05	25	501	38	11
534	529	526	524		523	524	525	526	524	16	09	535	12	02	516	19	12 *
539	533	532	532		532	533	534	530	528	16	16	539	11	26	511	28	13
539	539	551	543		529	513	516	517	524	18	40	564	21	53	505	59	14
539	539	533	531		529	526	524	522	525	16	43	541	12	35	507	34	15 *
536	538	538	541		534	531	528	524	527	19	13	550	10	48	504	46	16
531	531	531	529		528	526	524	523	526	07	43	536	12	02	511	25	17 *
534	539	540	535		534	532	530	526	524	18	03	546	03	48	500	46	18
545	534	532	533		541	529	524	526	528	15	50	560	12	19	510	50	19
530	528	530	530		527	526	523	523	524	19	17	535	12	37	509	26	20
531	539	538	538		538	533	532	529	526	17	40	543	12	15	512	31	21
538	537	534	535		539	541	521	522	524	21	50	547	05	25	508	39	22
547	544	537	533		537	537	531	528	524	16	40	553	02	36	499	54	23
538	544	540	530		537	518	508	512	524	17	55	564	22	02	502	62	24
552	543	552	530		530	528	519	522	526	18	30	564	01	25	504	60	25 **
567	560	550	542		540	531	520	523	534	18	14	584†	01	59	505	79	26 **
549	544	541	536		535	531	529	520	531	15	05	572	06	47	509	63	27
548	543	540	541		530	528	523	523	531	16	48	551	03	48	516	35	28
541	546	535	533		533	530	528	526	528	17	19	550	11	40	512	38	29
544	543	540	535		534	530	528	527	529	18	27	548	11	00	511	37	30
538	540	542	536		533	534	528	526	529	18	47	545	11	00	516	29	31 *
540	540	538	535		534	529	525	523	526		-	551		-	505	46.3	Mean
535	536	535	532		531	529	526	525	525		-	540		-	510	30.0	Mean *
548	548	547	539		536	527	519	520	525		-	563		-	492	71.8	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
NOVEMBER	43000 γ + Tabular Quantities (in γ)																
1	525	524	524	523	524	526	527	528	529	524	520	516	517	523	531	535	
2	525	524	524	523	525	528	529	529	528	524	519	516	516	523	528	533	
3	515	517	521	526	528	530	530	530	531	528	520	518	521	527	534	540	
4	514	516	520	523	523	523	526	527	529	531	526	522	523	528	535	550	
5	528	528	527	526	528	526	526	528	528	524	521	521	521	523	526	529	
6 **	529	528	523	520	523	521	522	524	527	527	523	524	521	523	528	529	
7	521	520	510	520	521	521	523	524	524	523	520	518	521	526	530	531	
8	523	523	523	525	525	525	525	524	522	520	518	518	521	525	528	529	
9	530	529	526	525	525	525	524	523	523	521	518	518	521	524	526	528	
10 *	520	521	524	524	523	523	522	521	522	522	519	518	519	523	528	528	
11	526	524	525	526	523	523	520	519	521	521	521	521	523	529	533	541	
12 *	527	526	527	529	530	528	527	526	526	526	520	518	521	526	531	532	
13 *	526	525	526	527	529	527	526	524	524	522	515	513	517	524	530	531	
14	524	525	525	526	527	527	527	524	524	522	516	515	516	520	527	530	
15 **	522	522	524	524	525	525	523	519	520	520	514	512	517	532	542	541	
16 **	527	525	524	523	531	529	527	527	527	527	522	522	524	527	532	549	
17	518	522	525	521	525	528	529	528	526	525	521	520	521	525	533	535	
18 *	527	526	525	525	526	527	527	527	528	526	522	522	524	524	526	528	
19	524	524	524	524	524	524	525	524	526	524	520	515	514	516	522	526	
20 *	522	522	522	522	522	522	522	520	520	521	518	517	517	521	522	524	
21	522	519	518	516	514	514	513	512	515	516	516	516	525	532	534	540	
22 **	520	523	520	519	516	514	512	516	520	521	523	530	536	544	552	561	
23	519	516	519	517	520	522	525	526	527	527	526	531	532	536	543	537	
24	531	527	527	528	527	526	524	522	521	519	519	519	530	534	540	540	
25	525	525	522	520	523	523	524	522	521	516	520	521	528	535	537	537	
26	526	524	525	525	527	527	524	523	521	518	515	516	521	526	531	532	
27	526	526	526	526	526	524	523	522	523	518	513	515	519	525	530	533	
28	523	523	523	525	526	526	526	523	523	519	514	514	518	519	526	531	
29	524	523	524	527	527	527	526	522	520	516	508	510	515	521	525	531	
30 **	526	525	515	511	510	508	509	516	520	526	525	526	528	534	546	546	
Mean	524	523	523	523	524	524	524	523	524	522	519	519	522	526	532	535	
Mean *	524	524	525	525	526	525	525	524	524	523	519	518	520	524	527	529	
Mean **	525	525	521	519	511	519	519	520	523	524	521	523	525	532	540	545	
DECEMBER	43000 γ + Tabular Quantities (in γ)																
1	524	526	525	527	530	530	531	530	527	523	522	520	519	525	530	532	
2 *	525	525	525	527	527	528	528	528	527	525	518	517	520	523	525	528	
3	525	525	524	525	526	525	527	526	525	523	518	516	520	522	526	527	
4	522	522	522	522	518	518	519	521	521	518	517	520	520	527	534	541	
5	535	528	526	526	527	528	529	527	526	525	523	521	522	524	527	529	
6 *	531	529	527	527	526	527	526	526	524	524	522	519	519	521	524	526	
7 *	529	529	527	524	524	523	523	523	522	519	517	516	517	519	523	522	
8	528	528	524	523	522	521	519	519	518	517	517	520	522	527	532	533	
9	533	533	532	528	525	521	519	518	519	517	519	520	519	523	527	527	
10	524	524	525	525	523	521	520	518	517	516	517	517	519	526	531	531	
11 **	526	528	530	530	531	528	524	522	523	523	523	523	524	528	536	543	
12	529	528	531	527	530	531	529	528	525	522	519	520	523	528	534	536	
13	539	536	531	529	531	530	528	527	524	518	515	514	518	526	534	538	
14	526	526	523	523	525	527	527	527	523	521	514	514	516	522	525	534	
15	527	528	527	532	530	530	527	529	527	523	520	520	523	526	529	530	
16	525	525	525	528	528	529	529	527	527	523	518	517	518	519	525	529	
17 **	524	521	521	521	521	525	524	524	523	521	519	517	516	520	522	529	
18 **	506	488	459	481	501	516	522	526	529	529	530	527	529	533	548	558	
19 **	526	513	510	507	514	520	524	524	530	533	530	534	535	541	543	553	
20 **	523	520	518	514	506	515	520	521	523	525	528	533	531	535	546	545	
21	526	515	518	520	520	523	523	525	529	530	529	530	533	540	546	541	
22	533	530	526	526	526	529	530	531	532	533	531	533	531	533	536	540	
23 *	528	530	529	529	529	529	529	528	528	528	524	525	526	526	529	530	
24	529	529	530	530	529	528	527	526	526	525	525	528	530	533	533	535	
25 *	527	525	527	527	527	526	525	523	523	522	521	521	523	527	531	531	
26	525	525	525	524	524	523	521	519	519	515	514	517	518	530	534	547	
27	526	529	530	532	531	530	529	527	527	524	521	522	522	525	530	533	
28	525	527	528	528	528	528	527	526	525	522	520	522	524	527	530	531	
29	525	525	525	527	527	527	526	524	524	520	517	517	515	519	524	530	
30	523	523	523	524	526	526	527	526	526	522	518	516	512	514	520	525	
31	519	520	521	522	523	523	523	523	522	519	516	515	517	520	525	533	
Mean	526	525	523	524	524	525	525	525	525	523	521	521	522	526	531	534	
Mean *	528	528	527	527	527	527	526	526	525	524	520	520	521	523	526	527	
Mean **	521	514	508	511	515	521	523	523	526	526	526	527	527	531	539	546	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
43000 γ + Tabular Quantities (in γ)															NOVEMBER
										h m		h m		γ	
535	535	538	535	532	532	537	529	528		18 54	543	11 58	514	29	1
533	532	533	536	540	535	526	525	527		20 56	545	11 35	514	31	2
541	540	537	539	543	538	533	523	530		20 18	549	00 44	512	37	3
545	543	542	540	546	551	535	531	531		21 13	564	00 10	512	52	4
530	530	530	530	531	533	531	532	527		22 43	534	11 25	518	16	5
531	531	553	530	531	533	518	520	527		18 35	557	21 58	514	43	6 **
530	528	528	526	528	530	531	529	524		14 46	533	02 03	506	27	7
531	527	525	525	530	530	530	530	525		16 34	534	10 55	515	19	8
527	526	524	524	523	526	529	522	524		22 36	534	10 53	516	18	9
526	526	524	523	523	523	525	523	523		15 09	528	11 22	516	12	10 *
539	536	534	532	533	531	530	528	527		15 52	545	07 15	516	29	11
531	529	527	526	524	523	524	525	526		15 18	532	10 50	518	14	12 *
531	529	527	527	525	525	524	524	525		16 10	531	11 20	510	21	13 *
532	532	531	537	531	525	522	522	525		20 01	559	12 05	515	44	14
541	541	541	550	548	547	540	534	530		20 56	563	11 18	509	54	15 **
545	552	543	542	536	528	528	527	531		16 51	559	00 58	514	45	16 **
536	533	531	531	531	530	529	527	527		16 18	538	00 34	515	23	17
527	527	527	529	529	528	524	525	526		21 39	530	10 55	519	11	18 *
527	526	527	530	536	527	526	523	524		20 40	540	12 10	514	26	19
523	522	520	520	521	521	522	522	521		22 50	525	11 40	516	9	20 *
550	546	542	543	540	536	533	522	526		16 54	563	06 55	508	55	21
554	543	542	536	537	524	522	522	529		15 58	575†	21 47	509	66	22 **
539	536	531	531	534	531	535	533	529		14 46	545	01 04	514	31	23
534	533	535	533	532	529	526	527	528		15 14	541	11 11	515	26	24
540	537	532	531	532	532	528	528	527		17 03	540	10 10	514	26	25
533	531	530	528	527	527	526	526	525		16 02	533	11 12	513	20	26
538	533	532	529	532	526	526	526	526		16 43	542	10 29	511	31	27
534	536	534	530	528	527	527	526	525		17 37	536	11 14	511	25	28
533	532	533	537	529	528	528	526	525		19 18	553	10 41	506	47	29
546	543	538	536	536	535	528	524	527		14 30	548	05 28	505†	43	30 **
535	534	533	532	532	530	528	526	527		-	544	-	513	31.0	Mean
528	527	525	525	524	524	524	524	524		-	529	-	516	13.4	Mean *
543	542	543	539	538	533	527	525	529		-	560	-	510	50.2	Mean **
43000 γ + Tabular Quantities (in γ)															DECEMBER
535	533	535	535	531	530	527	526	528		19 00	541	11 03	517	24	1
530	529	530	531	531	528	527	525	526		19 55	532	11 05	515	17	2 *
526	527	533	528	526	525	523	522	525		18 32	537	11 06	515	22	3
559	567	555	544	542	542	539	539	531		17 25	571	09 50	514	57	4
531	530	530	531	533	533	533	533	528		00 04	541	11 10	519	22	5
526	527	528	528	528	528	529	529	526		00 00	531	12 22	518	13	6 *
522	524	523	526	529	529	531	528	524		20 35	531	11 48	515	16	7 *
532	533	535	537	540	540	539	536	528		21 41	541	10 17	514	27	8
526	524	522	521	521	520	523	524	523		01 00	534	09 45	516	18	9
529	528	530	532	531	534	533	527	525		22 32	536	10 08	515	21	10
552	562	573	576	540	540	541	531	536		19 18	616†	10 06	519	97	11 **
535	534	534	536	539	540	541	539	531		22 45	543	10 38	517	26	12
539	538	536	533	530	535	530	527	529		21 54	544	10 43	512	32	13
535	537	539	539	531	525	525	525	526		19 25	543	11 16	511	32	14
530	530	532	534	534	535	532	527	528		21 03	537	10 55	517	20	15
530	530	530	532	530	525	525	525	526		19 54	532	12 56	514	18	16
536	569	559	561	571	542	539	519	531		17 21	585	23 44	507	78	17 **
555	555	561	561	545	545	545	536	529		15 55	578	02 13	453†	125	18 **
555	549	548	537	527	536	530	526	531		16 08	569	02 59	502	67	19 **
543	553	542	546	537	526	530	532	530		17 18	571	04 28	503	68	20 **
543	542	544	536	533	536	535	533	531		18 55	566	01 33	510	56	21
538	535	536	533	535	533	534	529	532		15 46	543	02 58	523	20	22
531	531	530	530	530	530	531	531	529		16 25	531	10 27	522	9	23 *
532	532	530	530	531	528	527	527	529		15 34	533	09 13	523	10	24
529	528	526	525	526	526	527	528	526		14 45	531	09 52	520	11	25 *
554	555	547	540	540	535	532	522	529		17 03	560	10 11	510	50	26
533	532	530	533	533	532	524	524	528		21 31	535	10 41	519	16	27
531	530	529	528	531	530	526	526	527		20 20	533	10 22	518	15	28
530	530	530	528	528	528	526	523	525		15 38	532	12 05	513	19	29
525	525	525	525	526	527	527	525	523		23 42	530	13 07	511	19	30
538	541	540	539	534	532	530	528	526		17 20	541	12 02	512	29	31
536	537	537	536	534	532	531	528	528		-	547	-	513	34.0	Mean
528	528	527	528	529	528	529	528	526		-	531	-	518	13.2	Mean *
548	558	557	556	544	538	537	529	531		-	584	-	497	87.0	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE IV. - K-INDICES

Date	January		February		March		April		May		June	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	2310 0003	9	0000 0001	1	0022 2312	12	1333 2212	17	4111 1133	15	2222 2122	15
2	3223 2212	17	2100 0121	7	1110 3231	12	0201 1244	14	2132 1323	17	1110 2222	11
3	0000 1021	4	1110 1210	7	1001 3233	13	4232 2323	21	3311 2121	14	1011 2223	12
4	1000 0000	1	2113 5544	25	3112 2212	14	2233 2224	20	1000 0002	3	4222 2334	22
5	0000 0000	0	2200 2221	11	2122 4433	21	4201 1111	11	0000 1123	7	2222 1233	17
6	0200 0110	4	0101 1124	10	2443 5442	28	1333 3345	25	2212 3444	22	3231 2233	19
7	0000 1122	6	4233 3431	23	2222 2310	14	5344 4464	34	3211 2112	13	2242 2321	18
8	1101 1210	7	0011 1101	5	1110 0000	3	4322 3644	28	3211 1213	14	0110 2121	8
9	1100 2232	11	3001 2111	9	0000 1111	4	4121 3322	18	1101 0000	3	2433 4344	27
10	3545 4554	35	2000 1110	5	2223 2234	20	2324 4454	28	2211 2301	12	5334 4221	24
11	3321 1222	16	2102 3154	18	3323 2331	20	3323 3333	23	0211 3343	17	1221 2222	14
12	1001 0012	5	4322 2354	25	2223 2544	24	3201 2323	16	1111 1011	7	3122 3231	17
13	2110 1011	7	1313 3334	21	4201 2100	10	3110 0212	10	2222 4234	21	1121 1220	10
14	0001 1444	14	3211 1255	20	1011 1131	9	2000 0011	4	3333 3233	23	1322 2233	18
15	2122 2223	16	2311 1442	18	3322 2214	19	1110 2433	15	3221 3440	19	2322 3331	19
16	2233 3223	20	2224 4545	28	0011 1112	7	3210 1223	14	1223 1122	14	3111 2211	12
17	1101 1121	8	4232 2232	20	0111 2200	7	3312 2221	16	0111 1221	9	0000 1110	3
18	0000 1200	3	0111 1132	10	0022 3232	14	0322 3332	18	1211 2200	9	2101 1100	6
19	2232 3541	22	0011 1100	4	3212 3343	21	4221 0102	12	0233 2422	18	1111 3221	12
20	1111 0031	8	0001 1012	5	0212 2443	18	3211 1324	17	2211 2300	11	2221 1111	11
21	2112 3003	12	0011 2322	11	3223 2244	22	3222 1544	23	1010 2111	7	1113 4442	20
22	0000 0000	0	3323 3210	17	0011 0003	5	4433 3434	28	2001 1210	7	3322 2232	19
23	0000 0000	0	0212 3213	14	0013 2100	7	3322 2221	17	0111 1110	6	3232 3342	22
24	0000 0011	2	2122 2331	16	3111 2221	13	1100 3220	9	1100 0100	3	2122 1322	15
25	0121 0212	9	1121 2234	16	2322 3212	17	1013 3441	17	0000 1111	4	2221 2221	14
26	3111 2221	13	3112 3443	21	3211 1110	10	2232 2223	18	0111 2122	10	1122 2323	16
27	3222 2023	16	2223 3331	19	1111 2210	9	2211 3231	15	2322 3423	21	3232 4343	24
28	1110 0011	5	0011 1000	3	0001 1222	8	1221 1333	16	1211 2333	16	2333 4334	25
29	1212 3203	14			3331 2010	13	2112 2131	13	1221 2221	13	3432 3232	22
30	3222 1212	15			1000 0011	3	2100 1232	11	0010 1011	4	3322 2422	20
31	1100 0000	2			2110 0111	7			0233 3324	20		

FOR THE YEAR 1962

Date	July		August		September		October		November		December	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	2223 3322	19	5434 3334	29	3243 4544	29	3433 4454	30	2112 1134	15	3212 1230	14
2	3122 2233	18	4212 2332	19	2433 5443	28	4343 3432	26	3211 3344	21	0006 1221	6
3	2212 2331	16	2332 3333	22	3434 3355	30	1232 3123	17	3223 2344	23	0100 1130	6
4	2421 3355	25	1222 2232	16	4433 4443	29	3322 0324	19	3222 2335	22	0323 4433	22
5	3432 2333	23	2223 2220	15	1332 3334	22	1121 1353	17	1122 1012	10	3111 2211	12
6	3323 2222	19	3332 3433	24	4343 2234	25	4331 3303	20	2322 3455	26	1110 0021	6
7	1101 2333	14	4322 3445	27	3332 2222	19	2312 1245	20	4313 3013	18	1100 1121	7
8	2333 2333	22	4344 4434	30	3332 2321	19	6333 3444	30	3122 2333	19	1012 2213	12
9	2211 1222	13	4333 3333	25	3302 2244	20	5343 4433	29	2110 0014	9	2321 0002	10
10	2111 3422	16	3332 2321	19	3322 2011	14	3223 4453	26	2210 0012	8	1110 0224	11
11	2222 3332	19	1110 2220	9	2123 1123	15	4433 3344	28	1222 2332	17	3322 3364	26
12	1221 2321	14	0212 2111	10	2363 3466	33	2223 2211	15	2100 0012	6	3202 1244	18
13	3221 3333	20	1111 1123	11	4232 3452	25	1123 3323	18	2001 1111	7	3222 3234	21
14	3222 2323	19	3211 3233	18	3232 1223	18	4334 3354	29	2000 1252	12	2222 3243	20
15	3111 1223	14	3443 3324	26	3333 1333	22	2322 2313	18	1233 5254	25	3321 1123	16
16	2210 1100	7	4331 2234	22	3212 2244	20	3225 3244	25	5333 3443	28	2110 2122	11
17	0001 1111	5	4333 4445	30	2222 2222	16	3232 0112	14	3211 2200	11	3122 2647	27
18	2111 2121	11	3342 4423	25	2111 1123	12	5422 2332	23	0000 0012	3	6423 4555	34
19	1323 3232	19	4323 3323	23	3343 3464	30	0044 4544	25	0001 0143	9	5344 4555	35
20	3432 3332	23	2011 2212	11	4323 2110	16	2211 3233	17	0111 1211	8	3433 3555	31
21	3323 2433	23	2111 1224	14	2222 2333	19	3222 2333	20	2242 2544	25	4332 3453	27
22	3221 1213	15	5342 3355	30	4333 3342	25	2323 3335	24	4443 3545	32	3223 2333	21
23	1231 2242	17	3333 3342	24	3323 2123	19	5324 3434	28	4233 3333	24	2201 0001	6
24	3101 2544	20	3333 4323	24	2211 1122	12	3323 3555	29	3233 2333	22	1011 2222	11
25	4431 2123	20	4232 2323	21	0112 2333	15	3433 3455	30	3234 3323	23	2101 1012	8
26	3544 5344	32	2222 2111	13	5522 3542	28	3343 3454	29	2111 2111	10	2123 4334	22
27	5333 4424	28	2221 1121	12	2222 3212	16	3343 4433	27	2221 1333	17	2111 2123	13
28	4333 3323	24	1212 2210	11	2211 2323	16	3333 3343	25	3122 1221	14	0000 2233	10
29	4122 2322	18	1233 3343	22	2332 2245	23	3223 2433	22	2022 2243	17	1112 2212	12
30	2320 1112	12	3322 3342	22	4322 3321	20	3223 2442	22	4433 3224	25	1011 1014	9
31	2122 2344	20	5443 2233	26			2322 2234	20			3113 4321	18

TABLE V. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS

All Days

DECLINATION WEST (Unit 0'.01)

Month and Season, 1962	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	-108	- 58	- 7	- 1	- 6	- 29	- 46	- 65	-105	-113	- 35	+ 90	+227
February	-158	-120	- 54	- 36	- 33	- 33	- 75	-106	-155	-159	- 45	+125	+262
March	-110	-111	-106	-123	-117	-119	-114	-163	-286	*-302*	-149	+ 96	+365
April	-135	-150	-107	-110	-149	-219	-232	-292	*+369*	-289	- 71	+200	+430
May	-107	-107	-119	-128	-224	-381	-478	*-514*	-469	-301	- 2	+292	+534
June	- 86	-118	-172	-187	-242	-375	-468	*-489*	-460	-324	- 62	+225	+486
July	-132	-136	-193	-171	-189	-303	-381	-417	*-424*	-312	-115	+147	+393
August	- 97	-109	-187	-174	-191	-265	-317	*-365*	-344	-213	+ 51	+330	+574
September	-148	-148	-198	*-221*	-176	-158	-164	-208	-220	-129	+ 55	+270	+465
October	-173	- 90	- 71	- 99	- 33	+ 28	+ 18	- 61	-157	-129	+ 44	+300	+479
November	-124	- 66	- 18	+ 5	+ 6	+ 21	+ 18	+ 11	- 61	- 73	+ 26	+199	+308
December	-172	-127	- 47	- 6	+ 49	+ 30	+ 38	+ 41	+ 18	+ 11	+103	+190	+274
Year	-129	-112	-107	-104	-109	-150	-183	-219	*-253*	-194	- 17	+205	+400
Winter	-140	- 93	- 32	- 10	+ 4	- 3	- 16	- 30	- 76	- 84	+ 12	+151	+268
Equinox	-142	-125	-120	-138	-119	-117	-123	-181	*-258*	-212	- 30	+216	+435
Summer	-106	-118	-168	-165	-212	-331	-411	*-446*	-424	-288	- 32	+248	+497

INCLINATION (Unit 0'.01)

January	- 15	- 18	- 23	- 34	- 41	- 65	- 70	*- 73*	- 61	- 23	+ 16	+ 40	+ 49
February	- 14	- 12	- 21	- 17	- 34	- 58	- 72	*- 79*	- 62	- 20	- 5	+ 22	+ 20
March	- 23	- 12	- 19	- 9	- 25	- 47	- 57	*- 67*	- 50	- 25	+ 6	+ 21	+ 25
April	*- 75*	- 48	- 26	- 30	- 35	- 49	- 49	- 40	+ 2	+ 55	+ 90	*+103*	+ 82
May	- 24	- 30	- 14	- 8	- 16	- 7	+ 5	+ 27	+ 51	+ 63	*+ 64*	+ 44	+ 40
June	- 44	- 42	- 21	- 15	- 27	- 25	- 3	+ 31	+ 73	*+100*	+ 91	+ 68	+ 54
July	- 50	- 49	- 37	- 27	- 28	- 16	+ 13	+ 45	+ 59	+ 88	*+103*	+ 87	+ 52
August	- 70	*- 80*	- 61	- 30	- 31	- 17	+ 17	+ 56	+101	*+104*	+ 86	+ 42	+ 21
September	- 75	- 55	- 60	- 51	- 58	- 55	- 33	+ 21	+ 52	+ 76	*+101*	+ 84	+ 39
October	- 60	- 76	- 90	- 86	- 72	- 82	*- 92*	- 48	+ 2	+ 70	+114	*+127*	+123
November	- 38	- 32	- 31	- 39	- 45	- 57	*- 67*	- 62	- 42	- 5	+ 46	+ 71	*+ 93*
December	- 8	- 9	- 21	- 29	- 34	- 59	*- 69*	- 66	- 65	- 38	- 13	- 2	- 6
Year	- 41	- 39	- 35	- 31	- 37	*- 45*	- 40	- 21	+ 5	+ 37	+ 58	*+ 59*	+ 49
Winter	- 19	- 18	- 24	- 30	- 38	- 60	*- 70*	*- 70*	- 58	- 22	+ 11	+ 33	+ 39
Equinox	- 58	- 48	- 49	- 44	- 48	- 58	- 58	- 34	+ 2	+ 44	+ 78	*+ 84*	+ 67
Summer	- 47	- 50	- 33	- 20	- 26	- 16	+ 8	+ 40	+ 71	*+ 89*	+ 86	+ 60	+ 42

HORIZONTAL INTENSITY (Unit 0.1γ)

January	+ 15	+ 17	+ 24	+ 40	+ 51	+ 87	+ 97	*+100*	+ 81	+ 21	- 44	- 82	- 97
February	+ 16	+ 11	+ 22	+ 18	+ 46	+ 81	+101	*+109*	+ 83	+ 12	- 26	*- 74*	- 66
March	+ 44	+ 26	+ 33	+ 18	+ 40	+ 71	+ 85	*+104*	+ 76	+ 19	- 57	-101	*-113*
April	+102	+ 60	+ 30	+ 37	+ 47	+ 72	+ 73	+ 57	- 14	-115	-194	*-232*	-202
May	+ 48	+ 53	+ 30	+ 23	+ 43	+ 36	+ 7	- 37	- 92	-137	*-174*	-169	-157
June	+ 66	+ 59	+ 31	+ 28	+ 51	+ 48	+ 7	- 50	-122	-183	*-199*	-187	-163
July	+ 77	+ 67	+ 47	+ 33	+ 42	+ 30	- 14	- 68	- 99	-162	*-208*	-203	-155
August	+ 99	+105	+ 71	+ 31	+ 42	+ 27	- 24	- 83	-160	-187	*-189*	-140	-105
September	+102	+ 72	+ 76	+ 55	+ 63	+ 63	+ 37	- 39	- 87	-136	*-194*	-183	-114
October	+ 71	+ 87	+102	+ 98	+ 78	+ 98	+118	+ 63	- 6	-117	-206	*-237*	-218
November	+ 45	+ 34	+ 31	+ 44	+ 57	+ 74	*+ 88*	+ 79	+ 51	- 10	-101	-141	*-161*
December	+ 4	- 1	+ 10	+ 25	+ 36	+ 78	*+ 92*	+ 86	+ 83	+ 35	- 11	- 26	- 16
Year	+ 57	+ 49	+ 42	+ 38	+ 50	+ 64	+ 56	+ 27	- 17	- 80	-134	*-148*	-131
Winter	+ 20	+ 15	+ 22	+ 32	+ 48	+ 80	*+ 94*	*+ 94*	+ 74	+ 14	- 46	- 81	*- 85*
Equinox	+ 80	+ 61	+ 60	+ 52	+ 57	+ 76	+ 78	+ 46	- 8	- 87	-163	*-188*	-162
Summer	+ 72	+ 71	+ 45	+ 29	+ 44	+ 35	- 6	- 60	-118	-167	*-192*	-175	-145

DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

All Days

DECLINATION WEST (Unit 0.′01)

Universal Time. Hour Commencing											Range	Month and Season, 1962
13	14	15	16	17	18	19	20	21	22	23		
+298	+244	+145	+114	+ 83	+ 22	- 48	-102	-154	-180	-156	4.78	January
+349	+355	+305	+227	+122	+ 3	- 41	-170	-195	-180	-192	5.50	February
+508	+483	+380	+211	+ 76	+ 16	- 50	- 72	- 86	-125	-107	8.10	March
+585	+583	+423	+286	+188	+ 46	- 50	-141	-138	-126	-167	9.54	April
+625	+580	+455	+322	+187	+ 78	+ 27	+ 10	- 43	-124	-117	11.39	May
+631	+614	+512	+376	+235	+117	- 12	- 29	- 20	- 72	- 92	11.20	June
+545	+561	+475	+365	+269	+149	+118	+ 8	- 85	- 70	-109	9.85	July
+634	+539	+389	+214	+ 82	0	- 24	- 79	-119	-151	-170	9.99	August
+561	+497	+376	+209	+115	+ 10	-133	-178	-137	-191	-156	7.82	September
+528	+498	+333	+139	- 60	-198	-175	-298	-276	-285	-265	8.26	October
+349	+294	+178	+ 74	+ 24	- 60	- 87	-215	-321	-299	-199	6.70	November
+283	+250	+159	+ 92	- 30	- 83	-189	-186	-210	-286	-211	5.69	December
+491	+458	+344	+219	+108	+ 8	- 55	-121	-149	-174	-162	8.24	Year
+320	+286	+197	+127	+ 50	- 30	- 91	-168	-220	-236	-190	5.67	Winter
+546	+515	+378	+211	+ 80	- 32	-102	-172	-159	-182	-174	8.43	Equinox
+609	+574	+458	+319	+193	+ 86	+ 27	- 22	- 67	-104	-122	10.61	Summer

INCLINATION (Unit 0.′01)

+ 48	+ 54	+ 56	+ 56	+ 44	+ 25	+ 22	+ 8	+ 9	+ 4	- 15	1.29	January
+ 22	+ 34	+ 50	+ 67	+ 59	+ 49	+ 51	+ 30	+ 9	+ 2	- 18	1.46	February
+ 28	+ 39	+ 48	+ 61	+ 55	+ 42	+ 23	+ 11	- 1	- 11	- 18	1.28	March
+ 57	+ 60	+ 36	+ 13	+ 8	+ 2	- 1	- 16	- 27	- 47	- 67	1.78	April
+ 36	+ 17	- 1	- 7	- 27	- 33	- 25	- 36	- 38	- 43	- 32	1.07	May
+ 51	+ 33	+ 8	+ 1	- 19	- 49	- 50	- 59	- 59	- 51	- 55	1.59	June
+ 50	+ 47	+ 16	- 7	- 33	- 42	- 49	- 49	- 39	- 65	- 56	1.68	July
+ 24	+ 40	+ 42	+ 30	+ 21	- 12	- 48	- 53	- 58	- 66	- 60	1.84	August
+ 33	+ 45	+ 61	+ 53	+ 56	+ 29	- 18	- 50	- 49	- 58	- 78	1.79	September
+ 99	+ 98	+ 92	+ 70	+ 40	+ 16	- 5	- 15	- 71	- 81	- 81	2.19	October
+ 92	+ 77	+ 73	+ 40	+ 8	+ 8	- 2	- 10	- 35	- 11	- 27	1.60	November
+ 6	+ 49	+ 59	+ 57	+ 57	+ 55	+ 38	+ 46	+ 35	+ 16	+ 11	1.28	December
+ 46	+ 49	+ 45	+ 36	+ 22	+ 8	- 5	- 16	- 27	- 34	- 41	1.57	Year
+ 42	+ 54	+ 60	+ 55	+ 42	+ 34	+ 27	+ 18	+ 4	+ 3	- 12	1.41	Winter
+ 54	+ 60	+ 59	+ 49	+ 40	+ 22	0	- 18	- 37	- 49	- 61	1.76	Equinox
+ 40	+ 34	+ 16	+ 4	- 14	- 34	- 43	- 49	- 48	- 56	- 51	1.54	Summer

HORIZONTAL INTENSITY (Unit 0.1γ)

											γ	
- 81	- 68	- 59	- 60	- 42	- 16	- 12	+ 5	+ 2	+ 3	+ 23	19.7	January
- 61	- 57	- 59	- 72	- 51	- 34	- 38	- 10	+ 9	+ 10	+ 32	18.3	February
- 97	- 82	- 61	- 57	- 41	- 22	+ 4	+ 14	+ 26	+ 36	+ 39	21.7	March
-138	-104	- 24	+ 32	+ 51	+ 67	+ 64	+ 72	+ 72	+ 84	+106	33.8	April
-119	- 47	+ 18	+ 50	+ 99	+111	+ 86	+ 89	+ 85	+ 86	+ 60	28.5	May
-136	- 71	+ 1	+ 36	+ 83	+134	+133	+133	+116	+ 97	+ 94	33.3	June
-134	- 88	- 5	+ 49	+104	+124	+127	+122	+ 93	+115	+ 94	33.5	July
- 79	- 64	- 32	+ 13	+ 35	+ 80	+119	+118	+116	+115	+ 97	30.8	August
- 85	- 71	- 61	- 19	- 18	+ 24	+ 86	+112	+ 94	+ 98	+113	30.7	September
-155	-124	- 87	- 43	+ 1	+ 30	+ 46	+ 56	+119	+120	+112	35.7	October
-139	- 93	- 73	- 22	+ 19	+ 16	+ 27	+ 39	+ 69	+ 23	+ 38	24.9	November
- 17	- 61	- 60	- 51	- 44	- 44	- 22	- 45	- 34	- 11	- 15	15.3	December
-103	- 78	- 42	- 12	+ 16	+ 39	+ 52	+ 59	+ 64	+ 65	+ 66	27.2	Year
- 74	- 70	- 63	- 51	- 30	- 20	- 11	- 3	+ 12	+ 6	+ 20	19.6	Winter
-119	- 95	- 58	- 22	- 2	+ 25	+ 50	+ 64	+ 78	+ 84	+ 92	30.5	Equinox
-117	- 68	- 4	+ 37	+ 80	+112	+116	+116	+102	+103	+ 86	31.5	Summer

TABLE V. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL

All Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1962	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	+ 25	+ 22	+ 24	+ 39	+ 51	+ 88	+100	*+105*	+ 90	+ 31	- 40	- 89	*-117*
February	+ 30	+ 22	+ 27	+ 21	+ 48	+ 83	+106	*+117*	+ 96	+ 27	- 21	- 84	- 89
March	+ 54	+ 36	+ 42	+ 29	+ 50	+ 81	+ 94	*+118*	+101	+ 47	- 42	-108	*-145*
April	+113	+ 73	+ 39	+ 47	+ 60	+ 91	+ 93	+ 83	+ 20	- 86	-185	*-247*	-239
May	+ 57	+ 62	+ 41	+ 35	+ 63	+ 71	+ 51	+ 11	- 47	-107	-171	-194	*-204*
June	+ 73	+ 69	+ 46	+ 45	+ 73	+ 82	+ 50	- 4	- 77	-150	-190	-205	*-206*
July	+ 88	+ 79	+ 64	+ 48	+ 59	+ 58	+ 22	- 28	- 58	-131	-194	*-214*	-189
August	+107	+114	+ 87	+ 47	+ 59	+ 51	+ 6	- 48	-126	-164	*-191*	-169	-157
September	+114	+ 85	+ 93	+ 75	+ 78	+ 77	+ 52	- 19	- 65	-122	-196	*-205*	-155
October	+ 86	+ 94	+107	+106	+ 80	+ 94	+115	+ 68	+ 9	-103	-207	*-261*	-259
November	+ 56	+ 40	+ 32	+ 43	+ 56	+ 71	+ 85	+ 77	+ 56	- 3	-102	-157	*-187*
December	+ 20	+ 11	+ 14	+ 25	+ 31	+ 74	+ *87*	+ 81	+ 80	+ 33	- 20	- 43	- 41
Year	+ 69	+ 59	+ 51	+ 47	+ 59	+ 77	+ 72	+ 47	+ 7	- 61	-130	-165	*-166*
Winter	+ 33	+ 24	+ 24	+ 32	+ 46	+ 79	+ 94	+ *95*	+ 80	+ 22	- 46	- 93	*-108*
Equinox	+ 92	+ 72	+ 70	+ 64	+ 67	+ 86	+ 88	+ 62	+ 16	- 66	-158	*-205*	-200
Summer	+ 81	+ 81	+ 60	+ 44	+ 64	+ 66	+ 32	- 17	- 77	-138	-186	*-196*	-189

WEST COMPONENT (Unit 0.1γ)

January	- 56	- 28	0	+ 6	+ 5	- 1	- 8	- 18	- 43	- 57	- 26	+ 35	+106
February	- 82	- 63	- 25	- 16	- 10	- 4	- 23	- 39	- 69	- 84	- 29	+ 55	+130
March	- 52	- 55	- 51	- 63	- 56	- 52	- 47	- 70	-141	*-159*	- 90	+ 35	+177
April	- 55	- 71	- 52	- 53	- 72	-106	-112	-147	*-201*	-175	- 71	+ 68	+197
May	- 49	- 49	- 59	- 65	-113	-199	-256	*-283*	-268	-185	- 31	+128	+261
June	- 35	- 53	- 87	- 96	-122	-194	-251	*-272*	-268	-206	- 67	+ 89	+234
July	- 58	- 62	- 96	- 86	- 95	-158	-207	-236	*-245*	-195	- 97	+ 45	+185
August	- 35	- 41	- 89	- 88	- 96	-138	-175	-211	*-212*	-146	- 5	+154	+291
September	- 62	- 67	- 94	-110	- 84	- 74	- 82	-119	*-133*	- 93	- 3	+114	+231
October	- 81	- 34	- 21	- 37	- 5	+ 32	+ 30	- 22	- 86	- 89	- 11	+121	+221
November	- 59	- 30	- 4	+ 10	+ 13	+ 24	+ 25	+ 19	- 24	- 41	- 3	+ 83	+138
December	- 92	- 69	- 24	+ 1	+ 32	+ 29	+ 36	+ 37	+ 24	+ 12	+ 54	+ 98	+145
Year	- 60	- 52	- 50	- 50	- 50	- 70	- 89	-113	*-139*	-118	- 32	+ 85	+193
Winter	- 72	- 48	- 13	0	+ 10	+ 12	+ 8	0	- 28	- 42	- 1	+ 68	+130
Equinox	- 62	- 57	- 54	- 66	- 54	- 50	- 53	- 90	*-140*	-129	- 44	+ 84	+206
Summer	- 44	- 51	- 83	- 84	-106	-172	-222	*-250*	-248	-183	- 50	+104	+243

VERTICAL COMPONENT (Unit 0.1γ)

January	- 16	- 23	- 25	- 26	- 26	- 23	- 20	- 22	- 24	- 30	- 45	- 51	*- 55*
February	- 13	- 18	- 23	- 17	- 13	- 15	- 17	- 22	- 25	- 41	- 79	*- 94*	- 82
March	+ 23	+ 19	+ 11	+ 10	+ 7	+ 2	- 1	+ 8	+ 3	- 43	-110	-160	*-175*
April	- 24	- 29	- 21	- 19	- 13	- 3	- 1	- 6	- 25	- 76	-138	-180	*-183*
May	+ 27	+ 20	+ 20	+ 25	+ 44	+ 58	+ 33	+ 7	- 35	-100	-180	*-239*	-226
June	+ 1	- 8	- 2	+ 11	+ 24	+ 26	+ 6	- 7	- 28	- 75	-144	*-196*	-191
July	+ 4	- 16	- 19	- 17	0	+ 15	+ 12	- 1	- 25	- 71	-123	-167	*-180*
August	- 14	- 35	- 47	- 34	- 10	+ 2	+ 5	+ 3	- 18	- 71	-139	*-180*	-170
September	- 25	- 25	- 32	- 50	- 56	- 45	- 29	- 16	- 21	- 51	-100	*-132*	-129
October	- 43	- 64	- 77	- 71	- 69	- 60	- 47	- 21	- 7	- 29	- 81	*-108*	- 77
November	- 28	- 32	- 37	- 34	- 25	- 26	- 28	- 33	- 27	- 41	- 75	*- 79*	- 50
December	- 17	- 34	- 49	- 42	- 35	- 26	- 27	- 31	- 34	- 52	*- 72*	- 69	- 59
Year	- 10	- 20	- 25	- 22	- 14	- 8	- 10	- 12	- 22	- 57	-107	*-138*	-131
Winter	- 18	- 27	- 34	- 30	- 25	- 22	- 23	- 27	- 28	- 41	- 68	*- 73*	- 62
Equinox	- 17	- 25	- 30	- 32	- 33	- 26	- 20	- 9	- 12	- 50	-107	*-145*	-141
Summer	+ 4	- 10	- 12	- 4	+ 14	+ 25	+ 14	0	- 26	- 79	-146	*-196*	-192

COMPONENTS OF MAGNETIC INTENSITY

All Days

NORTH COMPONENT (Unit 0.1γ)

Universal Time. Hour Commencing											Range	Month and Season, 1962
13	14	15	16	17	18	19	20	21	22	23	γ	
-107	- 90	- 72	- 70	- 49	- 18	- 7	+ 14	+ 16	+ 20	+ 37	22.2	January
- 92	- 89	- 86	- 92	- 62	- 34	- 34	+ 6	+ 27	+ 27	+ 49	20.9	February
-143	-126	- 95	- 76	- 47	- 23	+ 9	+ 20	+ 34	+ 47	+ 48	26.3	March
-190	-157	- 63	+ 5	+ 33	+ 62	+ 68	+ 84	+ 84	+ 94	+120	36.7	April
-175	-100	- 24	+ 19	+ 80	+102	+ 82	+ 87	+ 88	+ 96	+ 70	30.6	May
-193	-127	- 47	+ 1	+ 60	+121	+132	+134	+116	+102	+101	34.0	June
-183	-139	- 49	+ 14	+ 77	+108	+114	+119	+ 99	+120	+103	33.4	July
-137	-113	- 68	- 7	+ 27	+ 79	+119	+124	+125	+127	+111	31.8	August
-136	-116	- 95	- 38	- 28	+ 23	+ 97	+127	+105	+114	+126	33.2	September
-202	-168	-117	- 55	+ 7	+ 48	+ 62	+ 83	+143	+145	+135	40.6	October
-169	-119	- 88	- 29	+ 16	+ 21	+ 35	+ 58	+ 98	+ 50	+ 56	28.5	November
- 43	- 83	- 74	- 59	- 41	- 36	- 4	- 27	- 14	+ 16	+ 5	17.0	December
-148	-119	- 73	- 32	+ 6	+ 38	+ 56	+ 69	+ 77	+ 80	+ 80	29.6	Year
-103	- 95	- 80	- 62	- 34	- 17	- 2	+ 13	+ 32	+ 28	+ 37	22.2	Winter
-168	-142	- 92	- 41	- 9	+ 28	+ 59	+ 78	+ 92	+100	+107	34.2	Equinox
-172	-120	- 47	+ 7	+ 61	+102	+112	+116	+107	+111	+ 96	32.4	Summer

WEST COMPONENT (Unit 0.1γ)

											γ	
+147	+120	+ 68	+ 51	+ 38	+ 9	- 28	- 54	- 83	- 96	- 80	24.3	January
+177	+181	+154	+110	+ 57	- 4	- 29	- 93	-103	- 95	- 98	28.4	February
+257	+246	+194	+104	+ 34	+ 5	- 26	- 36	- 42	- 61	- 51	41.6	March
+291	+296	+224	+159	+110	+ 36	- 16	- 64	- 62	- 54	- 72	49.7	April
+316	+304	+248	+182	+117	+ 61	+ 29	+ 21	- 9	- 52	- 53	59.9	May
+317	+318	+276	+209	+141	+ 86	+ 16	+ 7	+ 9	- 22	- 34	59.0	June
+271	+287	+255	+205	+162	+101	+ 85	+ 25	- 30	- 18	- 43	53.2	July
+328	+279	+204	+117	+ 50	+ 14	+ 7	- 22	- 44	- 62	- 75	54.0	August
+288	+255	+192	+109	+ 59	+ 9	- 57	- 77	- 58	- 86	- 65	42.1	September
+258	+247	+164	+ 68	- 32	-101	- 86	-151	-128	-133	-124	39.1	October
+164	+142	+ 83	+ 36	+ 16	- 30	- 42	-109	-161	-157	-101	32.5	November
+149	+124	+ 75	+ 41	- 24	- 52	-105	-108	-119	-156	-116	30.5	December
+247	+233	+178	+116	+ 61	+ 11	- 21	- 55	- 69	- 83	- 76	42.9	Year
+159	+142	+ 95	+ 60	+ 22	- 19	- 51	- 91	-116	-126	- 99	28.9	Winter
+274	+261	+194	+110	+ 43	- 13	- 46	- 82	- 72	- 84	- 78	43.1	Equinox
+308	+297	+246	+178	+118	+ 66	+ 34	+ 8	- 18	- 38	- 51	56.5	Summer

VERTICAL COMPONENT (Unit 0.1γ)

											γ	
- 21	+ 30	+ 57	+ 57	+ 57	+ 51	+ 50	+ 41	+ 35	+ 21	+ 1	11.2	January
- 65	- 15	+ 37	+ 68	+ 86	+ 92	+ 88	+ 82	+ 53	+ 30	+ 13	18.6	February
-128	- 53	+ 24	+ 81	+ 97	+ 96	+ 88	+ 71	+ 57	+ 45	+ 29	27.2	March
-123	- 34	+ 69	+120	+147	+162	+145	+112	+ 72	+ 32	+ 13	34.5	April
-151	- 50	+ 40	+ 91	+134	+141	+111	+ 82	+ 65	+ 50	+ 27	38.0	May
-137	- 50	+ 30	+ 87	+128	+141	+135	+103	+ 65	+ 49	+ 25	33.7	June
-138	- 42	+ 44	+ 91	+126	+140	+124	+113	+ 80	+ 39	+ 22	32.0	July
- 98	- 9	+ 71	+135	+154	+143	+110	+ 89	+ 67	+ 36	+ 15	33.4	August
- 81	- 9	+ 70	+139	+155	+155	+137	+ 86	+ 48	+ 24	- 9	28.7	September
- 15	+ 55	+117	+145	+141	+127	+ 91	+ 79	+ 30	- 5	- 23	25.3	October
- 1	+ 53	+ 86	+ 88	+ 72	+ 64	+ 56	+ 57	+ 38	+ 15	- 6	16.7	November
- 18	+ 30	+ 65	+ 79	+ 95	+ 89	+ 81	+ 57	+ 42	+ 31	+ 2	16.7	December
- 81	- 8	+ 59	+ 98	+116	+117	+101	+ 81	+ 54	+ 31	+ 9	26.3	Year
- 26	+ 24	+ 61	+ 73	+ 78	+ 74	+ 69	+ 59	+ 42	+ 24	+ 2	15.8	Winter
- 87	- 10	+ 70	+121	+135	+135	+115	+ 87	+ 52	+ 24	+ 2	28.9	Equinox
-131	- 38	+ 46	+101	+136	+141	+120	+ 97	+ 69	+ 44	+ 22	34.3	Summer

TABLE VI. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS

International Quiet Days

DECLINATION WEST (Unit 0'.01)

Month and Season, 1962	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	*-147*	- 3	+ 25	+ 39	+ 25	- 15	- 51	-101	-135	-129	- 65	+ 33	+177
February	- 53	- 39	- 19	- 11	- 7	-131	- 57	-101	-183	*-217*	-113	+ 31	+175
March	- 54	- 50	- 68	- 50	- 48	- 72	- 96	-180	-308	*-356*	-232	- 2	+246
April	- 3	- 79	-141	-165	-213	-289	-341	-387	*-393*	-299	-101	+129	+381
May	- 29	- 31	- 29	- 53	-159	-305	-429	-513	*-543*	-459	-165	+179	+419
June	- 12	- 52	-100	-148	-238	-402	-500	*-520*	-490	-400	- 98	+270	+568
July	-103	-113	- 87	- 75	-191	-355	-471	-513	*-523*	-361	- 89	+221	+455
August	- 23	- 49	- 93	-113	-201	-323	-397	*-423*	-371	-197	+125	+413	+591
September	- 77	- 93	- 73	-115	-161	-155	-203	-285	*-325*	-267	-105	+111	+335
October	-170	-130	-122	-140	-110	- 38	- 48	- 84	-170	-182	+ 14	+222	+398
November	- 98	- 16	- 10	- 18	+ 4	- 34	- 72	-106	-162	*-164*	- 44	+120	+248
December	- 45	- 53	- 25	- 15	- 29	- 31	- 23	- 43	- 53	- 73	- 7	+ 97	+159
Year	- 68	- 59	- 62	- 72	-111	-179	-224	-271	*-305*	-259	- 73	+152	+346
Winter	- 86	- 28	- 7	- 1	- 2	- 53	- 51	- 88	-133	*-146*	- 57	+ 70	+190
Equinox	- 76	- 88	-101	-118	-133	-138	-172	-234	*-299*	-276	-106	+115	+340
Summer	- 42	- 61	- 77	- 97	-197	-346	-449	*-492*	-482	-354	- 57	+271	+508

INCLINATION (Unit 0'.01)

January	+ 17	+ 19	+ 16	+ 10	- 5	- 20	- 31	- *37*	- 30	0	+ 19	+ 42	+ *44*
February	+ 17	+ 9	+ 13	+ 5	- 2	- 7	- 17	- 31	- 4	+ 13	+ 24	+ *51*	+ *51*
March	+ 1	+ 1	0	+ 8	- 8	- 18	- 27	- *28*	- 17	+ 1	+ 11	+ 7	+ 1
April	- 34	- 5	+ 18	+ 17	+ 14	+ 2	- 1	+ 1	+ 25	+ 55	+ *72*	+ 67	+ 38
May	- 24	- 17	0	+ 4	+ 3	0	+ 3	+ 14	+ 37	+ 58	+ 68	+ 66	+ 71
June	- 14	- 8	+ 3	+ 4	- 21	- 24	- 3	+ 31	+ 80	+*105*	+ 94	+ 69	+ 62
July	- 33	- 28	- 22	- 29	- 35	- 24	+ 9	+ 33	+ 52	+ 72	+ *98*	+ 90	+ 58
August	- 22	- 13	- 2	- 9	- 3	+ 9	+ 32	+ 67	+ 97	+*102*	+ 74	+ 34	+ 4
September	- 34	- 9	+ 2	- 9	+ 2	+ 3	+ 4	+ 6	+ 29	+ 23	+ 62	+ *64*	+ 51
October	- 30	- 59	- 61	- 53	- 59	- 42	- 51	- 46	- 13	+ 80	+*109*	+ 97	+ 66
November	+ 14	+ 17	+ 14	+ 9	- 9	- 25	- 26	- 23	- 7	+ 34	+ 51	+ *66*	+ 57
December	+ 28	+ *30*	+ 23	+ 11	- 1	- 23	- 30	- 37	- *40*	- 20	- 10	+ 1	+ 5
Year	- 10	- 5	0	- 3	- 10	- 14	- 12	- 4	+ 17	+ 44	+ *56*	+ 54	+ 42
Winter	+ 19	+ 19	+ 16	+ 9	- 4	- 19	- 26	- *32*	- *20*	+ 7	+ 21	+ *40*	+ 39
Equinox	- 24	- 18	- 10	- 9	- 13	- 14	- 19	- 17	+ 6	+ 40	+ *64*	+ 59	+ 39
Summer	- 23	- 16	- 5	- 8	- 14	- 10	+ 10	+ 36	+ 66	+ *84*	+ *84*	+ 65	+ 49

HORIZONTAL INTENSITY (Unit 0.1γ)

January	- 24	- 26	- 20	- 8	+ 14	+ 38	+ 52	+ *58*	+ 42	- 6	- 46	- 82	- *90*
February	- 21	- 9	- 15	- 1	+ 11	+ 19	+ 35	+ 53	+ 11	- 23	- 59	-*107*	-105
March	+ 9	+ 9	+ 11	+ 1	+ 23	+ 41	+ 55	+ *63*	+ 43	- 7	- 55	- *77*	- *77*
April	+ 52	+ 10	- 16	- 12	- 6	+ 14	+ 16	+ 6	- 38	-106	-164	-*176*	-142
May	+ 51	+ 41	+ 19	+ 19	+ 27	+ 39	+ 25	- 1	- 51	-107	-157	-193	-*203*
June	+ 34	+ 30	+ 18	+ 24	+ 72	+ 84	+ 38	- 30	-122	-192	-*218*	-212	-198
July	+ 67	+ 59	+ 47	+ 55	+ 75	+ 63	+ 5	- 41	- 87	-145	-207	-*215*	-175
August	+ 38	+ 30	+ 14	+ 26	+ 22	+ 10	- 22	- 82	-148	-*186*	-174	-128	- 72
September	+ 58	+ 22	+ 6	+ 24	+ 12	+ 12	+ 12	+ 12	- 28	- 80	-130	-*156*	-140
October	+ 28	+ 68	+ 74	+ 66	+ 74	+ 50	+ 70	+ 66	+ 20	-130	-*194*	-188	-140
November	- 20	- 26	- 18	- 8	+ 22	+ 42	+ 42	+ 32	+ 10	- 54	-100	-*128*	-106
December	- 34	- *38*	- 30	- 14	+ 4	+ 36	+ 46	+ *54*	+ *54*	+ 20	- 10	- 30	- 30
Year	+ 20	+ 14	+ 8	+ 14	+ 29	+ 37	+ 31	+ 16	- 24	- 85	-126	-*141*	-123
Winter	- 25	- 25	- 21	- 8	+ 13	+ 34	+ 44	+ *49*	+ 29	- 16	- 54	- *87*	- 83
Equinox	+ 37	+ 27	+ 19	+ 20	+ 26	+ 29	+ 38	+ 37	- 1	- 81	-136	-*149*	-125
Summer	+ 48	+ 40	+ 24	+ 31	+ 49	+ 49	+ 12	- 38	-102	-158	-*189*	-187	-162

DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

International Quiet Days

DECLINATION WEST (Unit 0.'01)

Universal Time. Hour commencing											Range	Month and Season, 1962
13	14	15	16	17	18	19	20	21	22	23		
+275	+209	+ 93	+ 61	+ 37	+ 3	- 25	- 63	- 85	- 95	- 73	42.2	January
+271	+233	+163	+107	+ 87	+ 49	+ 19	- 21	- 45	- 81	- 67	48.8	February
+364	+336	+250	+164	+110	+ 78	+ 34	+ 12	- 6	- 40	- 40	72.0	March
+515	+505	+395	+277	+161	+107	+ 29	- 17	- 7	- 21	- 39	90.8	April
+509	+503	+417	+305	+189	+ 75	+ 31	+ 41	+ 33	+ 9	- 3	105.2	May
+660	+612	+456	+266	+102	+ 12	- 2	- 12	+ 8	+ 10	+ 14	118.0	June
+583	+573	+467	+285	+119	+ 55	+ 23	+ 29	+ 41	+ 19	+ 3	110.6	July
+595	+419	+199	+ 39	- 59	- 71	+ 5	+ 37	+ 21	- 7	-113	101.8	August
+437	+387	+309	+203	+195	+129	+ 59	+ 3	- 23	-103	-179	76.2	September
+492	+438	+300	+138	+ 10	-104	- 82	-100	-150	-166	*-224*	71.6	October
+292	+220	+130	+ 86	+ 48	+ 6	- 32	- 46	- 80	-138	-128	45.6	November
+199	+127	+ 71	+ 47	+ 21	+ 7	- 11	- 73	- 71	- 85	*- 93*	29.2	December
+433	+380	+271	+165	+ 85	+ 29	+ 4	- 18	- 30	- 58	- 78	76.0	Year
+259	+197	+114	+ 75	+ 48	+ 16	- 12	- 51	- 70	-100	- 90	41.4	Winter
+452	+416	+314	+196	+119	+ 52	+ 10	- 26	- 46	- 82	-120	77.6	Equinox
+587	+527	+385	+224	+ 88	+ 18	+ 14	+ 24	+ 26	+ 8	- 25	108.9	Summer

INCLINATION (Unit 0.01)

+ 32	+ 24	+ 15	+ 9	+ 5	- 17	- 21	- 26	- 25	- 19	- 16	0.81	January
+ 31	+ 21	+ 6	+ 7	- 4	- 19	- 31	- 33	*- 35*	- 31	- 29	0.86	February
+ 8	+ 33	*+ 41*	+ 32	+ 13	- 3	- 7	- 14	- 11	- 16	- 11	0.69	March
+ 44	+ 18	- 16	- 27	- 52	- 55	*- 56*	- 44	- 19	- 29	- 36	1.28	April
+ 74	+ 46	+ 23	- 6	- 33	- 47	- 61	- 69	*- 72*	- 68	- 64	1.46	May
+ 63	+ 13	- 23	- 24	- 16	- 29	- 62	- 70	*- 87*	- 78	- 70	1.92	June
+ 56	+ 46	+ 41	+ 8	- 13	- 42	- 63	- 66	*- 75*	- 71	- 62	1.73	July
- 13	+ 9	+ 19	+ 4	+ 4	- 31	- 66	*- 75*	- 67	- 67	- 84	1.77	August
+ 24	+ 24	+ 19	+ 21	+ 29	- 20	- 45	- 49	- 53	- 69	*- 75*	1.39	September
+ 55	+ 58	+ 69	+ 53	+ 20	+ 12	- 17	- 16	- 28	*- 70*	*- 70*	1.79	October
+ 44	+ 27	+ 17	- 16	- 33	- 40	- 44	*- 45*	- 43	- 30	- 8	1.11	November
+ 4	+ 14	+ 16	+ 2	- 11	- 10	0	+ 17	+ 15	+ 22	+ 1	0.70	December
+ 35	+ 28	+ 19	+ 5	- 8	- 25	- 39	- 41	- 42	*- 44*	*- 44*	1.29	Year
+ 28	+ 22	+ 14	0	- 11	- 22	- 24	- 22	- 22	- 14	- 13	0.87	Winter
+ 33	+ 33	+ 28	+ 20	+ 2	- 16	- 31	- 31	- 28	- 46	*- 48*	1.29	Equinox
+ 45	+ 28	+ 15	- 4	- 14	- 37	- 63	- 70	*- 75*	- 71	- 70	1.72	Summer

HORIZONTAL INTENSITY (Unit 0.1γ)

											γ	
- 60	- 28	- 6	- 4	+ 4	+ 32	+ 36	+ 40	+ 36	+ 24	+ 18	14.8	January
- 67	- 39	- 3	- 1	+ 15	+ 39	+ 55	*+ 57*	*+ 57*	+ 49	+ 43	16.4	February
- 69	- 73	- 55	- 27	+ 1	+ 23	+ 31	+ 37	+ 31	+ 37	+ 29	14.0	March
-124	- 52	+ 28	+ 60	+112	*+122*	*+122*	+ 98	+ 58	+ 70	+ 76	29.8	April
-183	-103	- 37	+ 29	+ 87	+113	*+121*	*+121*	+119	+111	+105	32.4	May
-166	- 50	+ 40	+ 70	+ 74	+ 92	+126	+124	*+138*	+120	+108	35.6	June
-145	- 87	- 41	+ 27	+ 65	+101	*+123*	+117	*+123*	+117	+105	33.8	July
- 16	- 14	- 2	+ 30	+ 30	+ 70	+106	+116	+108	+106	*+138*	32.4	August
- 82	- 56	- 28	- 12	- 22	+ 54	+ 90	+ 94	+ 98	+122	*+124*	28.0	September
-100	- 74	- 68	- 36	+ 16	+ 22	+ 54	+ 46	+ 58	*+108*	+102	30.2	October
- 68	- 26	- 6	+ 38	+ 60	+ 64	*+ 70*	+ 68	+ 64	+ 44	+ 10	19.8	November
- 18	- 20	- 18	+ 4	+ 24	+ 20	+ 8	- 14	- 14	- 20	+ 8	9.2	December
- 92	- 52	- 16	+ 15	+ 39	+ 63	*+ 78*	+ 75	+ 73	+ 74	+ 72	24.7	Year
- 53	- 28	- 8	+ 9	+ 26	+ 39	+ 42	+ 38	+ 36	+ 24	+ 20	15.0	Winter
- 94	- 64	- 31	- 4	+ 27	+ 55	+ 74	+ 69	+ 61	*+ 84*	+ 83	25.5	Equinox
-128	- 64	- 10	+ 39	+ 64	+ 94	+119	+120	*+122*	+114	+114	33.6	Summer

TABLE VI. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL

International Quiet Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1962	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	- 10	- 25	- 22	- 11	+ 11	+ 39	+ 56	+ *67*	+ 54	+ 6	- 39	- 84	*-105*
February	- 16	- 5	- 13	0	+ 11	+ 31	+ 40	+ *62*	+ 28	- 3	- 48	-108	*-120*
March	+ 14	+ 14	+ 17	+ 6	+ 27	+ 47	+ 63	+ *79*	+ 71	+ 26	- 33	- *76*	- 99
April	+ 51	+ 17	- 3	+ 3	+ 14	+ 41	+ 47	+ 42	- 1	- 77	-152	*-185*	-175
May	+ 53	+ 43	+ 21	+ 24	+ 41	+ 67	+ 64	+ 47	0	- 63	-139	-207	*-239*
June	+ 35	+ 34	+ 27	+ 37	+ 93	+120	+ 84	+ 19	- 75	-152	-206	-234	*-248*
July	+ 76	+ 69	+ 54	+ 61	+ 92	+ 95	+ 49	+ 7	- 37	-107	-196	*-232*	-215
August	+ 40	+ 34	+ 22	+ 36	+ 40	+ 40	+ 15	- 42	-111	-165	*-183*	-164	-126
September	+ 64	+ 30	+ 13	+ 34	+ 27	+ 26	+ 31	+ 38	+ 3	- 54	-118	-164	*-169*
October	+ 43	+ 79	+ 84	+ 78	+ 83	+ 53	+ 73	+ 73	+ 35	-111	-192	*-206*	-175
November	- 11	- 24	- 17	- 6	+ 21	+ 45	+ 48	+ 41	+ 25	- 38	- 94	*-137*	-127
December	- 29	- 33	- 27	- 12	+ 7	+ 38	+ 47	+ 57	+ *58*	+ 26	- 9	- 39	- *44*
Year	+ 26	+ 19	+ 13	+ 21	+ 39	+ 54	+ 51	+ 41	+ 4	- 59	-117	-153	*-154*
Winter	- 16	- 22	- 20	- 7	+ 12	+ 38	+ 48	+ *57*	+ 41	- 2	- 48	- 92	- *99*
Equinox	+ 43	+ 35	+ 28	+ 30	+ 38	+ 42	+ 54	+ 58	+ 27	- 54	-124	*-158*	-154
Summer	+ 51	+ 45	+ 31	+ 40	+ 66	+ 80	+ 53	+ 8	- 56	-122	-181	*-209*	-207

WEST COMPONENT (Unit 0.1γ)

January	- *83*	- 6	+ 10	+ 20	+ 16	- 2	- 19	- 45	- 66	- 70	- 43	+ 4	+ 80
February	- 32	- 23	- 13	- 6	- 2	- 67	- 25	- 45	- 97	*-121*	- 71	- 2	+ 76
March	- 28	- 25	- 35	- 27	- 22	- 32	- 42	- 86	-158	*-193*	-134	- 14	+119
April	+ 7	- 41	- 79	- 91	-116	-153	-181	-207	*-218*	-179	- 82	+ 40	+181
May	- 7	- 10	- 12	- 25	- 81	-158	-227	-276	*-301*	-265	-116	+ 64	+191
June	- 1	- 23	- 51	- 76	-116	-202	-263	*-285*	*-285*	-248	- 90	+109	+272
July	- 44	- 51	- 39	- 31	- 90	-180	-253	-283	*-296*	-219	- 83	+ 82	+215
August	- 6	- 21	- 48	- 56	-104	-172	-217	*-242*	-225	-138	+ 38	+201	+306
September	- 32	- 46	- 38	- 58	- 85	- 81	-107	-151	*-180*	-157	- 79	+ 33	+157
October	- 87	- 58	- 53	- 64	- 47	- 12	- 14	- 34	- 88	*-120*	- 25	+ 88	+190
November	- 56	- 13	- 8	- 11	+ 6	- 11	- 32	- 52	- 86	- *97*	- 41	+ 43	+115
December	- 30	- 35	- 19	- 10	- 15	- 11	- 5	- 14	- 19	- 36	- 5	+ 47	+ 80
Year	- 33	- 29	- 32	- 36	- 55	- 90	-115	-143	*-168*	-154	- 61	+ 58	+165
Winter	- 50	- 19	- 8	- 2	+ 1	- 23	- 20	- 39	- 67	- *81*	- 40	+ 23	+ 88
Equinox	- 35	- 42	- 51	- 60	- 68	- 70	- 86	-120	-161	*-162*	- 80	+ 37	+162
Summer	- 14	- 26	- 38	- 47	- 98	-178	-240	-272	*-277*	-218	- 63	+114	+246

VERTICAL COMPONENT (Unit 0.1γ)

January	+ 5	+ 5	+ 9	+ 15	+ 15	+ 17	+ 13	+ 5	- 7	- 15	- 39	- 45	- *57*
February	+ 11	+ 11	+ 11	+ 15	+ 17	+ 21	+ 21	+ 15	+ 11	- 9	- 53	- *71*	- 65
March	+ 24	+ 26	+ 26	+ 30	+ 26	+ 34	+ 32	+ *48*	+ 40	- 12	- 90	-156	*-176*
April	+ 2	+ 6	+ 24	+ 30	+ 36	+ 40	+ 32	+ 16	- 2	- 54	-130	-176	*-198*
May	+ 35	+ 37	+ 45	+ 57	+ 73	+ 89	+ 67	+ 45	+ 9	- 45	-127	-219	*-225*
June	+ 31	+ 41	+ 53	+ 69	+ 95	+111	+ 79	+ 39	- 3	- 81	-177	*-251*	-243
July	+ 39	+ 41	+ 33	+ 25	+ 51	+ 61	+ 43	+ 19	- 19	- 85	-139	-185	*-203*
August	+ 12	+ 26	+ 24	+ 28	+ 40	+ 54	+ 62	+ 44	- 6	- 76	-146	*-178*	-154
September	+ 15	+ 19	+ 21	+ 23	+ 35	+ 37	+ 41	+ 49	+ 37	-105	- 87	-139	*-147*
October	- 38	- 48	- 40	- 32	- 34	- 32	- 14	- 8	0	- 24	- 72	*-100*	- 96
November	+ 2	- 2	+ 6	+ 12	+ 18	+ 12	+ 6	- 6	- 2	- 8	- 54	- *66*	- 46
December	+ 19	+ 15	+ 9	+ 7	+ 5	+ 5	+ 1	- 5	- 13	- 25	- 57	- *65*	- 51
Year	+ 13	+ 15	+ 18	+ 23	+ 31	+ 37	+ 32	+ 22	+ 4	- 45	- 98	*-138*	*-138*
Winter	+ 9	+ 7	+ 9	+ 12	+ 14	+ 14	+ 10	+ 2	- 3	- 14	- 51	- *62*	- 55
Equinox	+ 1	+ 1	+ 8	+ 13	+ 16	+ 20	+ 23	+ 26	+ 19	- 49	- 95	-143	*-154*
Summer	+ 29	+ 36	+ 39	+ 45	+ 65	+ 79	+ 63	+ 37	- 5	- 72	-147	*-208*	-206

COMPONENTS OF MAGNETIC INTENSITY

International Quiet Days

NORTH COMPONENT (Unit 0.1γ)

Universal Time. Hour commencing											Range	Month and Season, 1962
13	14	15	16	17	18	19	20	21	22	23	γ	
- 85	- 47	- 15	- 10	+ 1	+ 31	+ 38	+ 45	+ 43	+ 32	+ 25	17.2	January
- 91	- 60	- 18	- 11	+ 7	+ 34	+ 52	+ 58	+ 60	+ 56	+ 49	18.2	February
-102	*-103*	- 77	- 42	- 9	+ 15	+ 27	+ 35	+ 31	+ 40	+ 32	18.2	March
-170	- 98	- 9	+ 33	+ 95	+110	*+117*	+ 98	+ 58	+ 71	+ 78	30.2	April
-227	-148	- 75	0	+ 68	+104	*+116*	+115	+114	+108	+104	35.5	May
-225	-106	- 3	+ 44	+ 63	+ 90	+124	+123	*+135*	+117	+105	38.3	June
-197	-139	- 84	0	+ 53	+ 94	*+119*	+113	+117	+113	+103	35.1	July
- 71	- 53	- 20	+ 26	+ 35	+ 76	+104	+111	+104	+105	*+146*	32.9	August
-121	- 91	- 56	- 31	- 40	+ 41	+ 83	+ 92	+ 99	+130	*+139*	30.8	September
-144	-114	- 95	- 48	+ 15	+ 31	+ 61	+ 55	+ 71	*+122*	+121	32.8	October
- 94	- 46	- 18	+ 29	+ 55	+ 62	*+ 72*	+ 71	+ 70	+ 56	+ 22	20.9	November
- 36	- 31	- 24	0	+ 22	+ 19	+ 9	- 7	- 7	- 12	+ 17	10.2	December
-130	- 86	- 41	- 1	+ 30	+ 59	+ 77	+ 76	+ 75	*+ 78*	*+ 78*	26.7	Year
- 76	- 46	- 19	+ 2	+ 21	+ 36	+ 43	+ 42	+ 42	+ 33	+ 28	16.6	Winter
-134	-102	- 59	- 22	+ 15	+ 49	+ 72	+ 70	+ 65	+ 91	*+ 92*	28.0	Equinox
-180	-112	- 46	+ 18	+ 55	+ 91	+116	+116	*+118*	+111	+114	35.4	Summer

WEST COMPONENT (Unit 0.1γ)

											γ	
+138	+108	+ 49	+ 32	+ 21	+ 7	- 7	- 27	- 40	- 47	- 36	22.1	January
+134	+119	+ 87	+ 57	+ 49	+ 33	+ 20	- 2	- 15	- 35	- 29	25.5	February
+184	+168	+125	+ 84	+ 59	+ 46	+ 24	+ 13	+ 2	- 15	- 17	37.7	March
+256	*+263*	+217	+159	+106	+ 78	+ 36	+ 8	+ 6	+ 1	- 8	48.1	April
+243	*+253*	+218	+169	+117	+ 60	+ 37	+ 43	+ 38	+ 24	+ 16	55.4	May
+327	+321	+252	+155	+ 67	+ 22	+ 20	+ 15	+ 28	+ 26	+ 26	61.2	June
+289	+294	+244	+158	+ 75	+ 47	+ 33	+ 36	+ 43	+ 30	+ 19	58.5	July
+318	+223	+107	+ 26	- 27	- 26	+ 21	+ 40	+ 30	+ 14	- 37	56.0	August
+221	+199	+162	+107	+101	+ 79	+ 47	+ 18	+ 4	- 35	- 75	40.1	September
+248	+223	+150	+ 68	+ 8	- 52	- 35	- 46	- 71	- 71	-103	36.8	October
+146	+114	+ 69	+ 53	+ 36	+ 14	- 5	- 13	- 32	- 67	- 67	24.3	November
+104	+ 65	+ 35	+ 26	+ 15	+ 7	- 5	- 42	- 41	*- 49*	*- 49*	15.3	December
+217	+196	+143	+ 91	+ 52	+ 26	+ 16	+ 4	- 4	- 19	- 30	40.1	Year
+130	+102	+ 60	+ 42	+ 30	+ 15	+ 1	- 21	- 32	- 50	- 45	21.8	Winter
+227	+214	+164	+104	+ 68	+ 38	+ 18	- 2	- 15	- 30	- 51	40.7	Equinox
+294	+273	+205	+127	+ 58	+ 26	+ 28	+ 34	+ 35	+ 24	+ 6	57.8	Summer

VERTICAL COMPONENT (Unit 0.1γ)

											γ	
- 27	+ 19	*+ 37*	+ 23	+ 27	+ 15	+ 9	+ 3	- 3	- 11	- 15	9.4	January
- 47	- 19	+ 13	*+ 23*	+ 21	*+ 23*	+ 19	+ 17	+ 11	+ 7	- 1	9.4	February
-132	- 56	+ 16	+ 48	+ 46	+ 42	+ 46	+ 38	+ 32	+ 30	+ 30	22.4	March
-136	- 58	+ 10	+ 44	+ 78	*+ 90*	+ 88	+ 74	+ 68	+ 60	+ 52	28.8	April
-167	- 77	- 5	+ 45	+ 87	*+ 99*	+ 67	+ 39	+ 25	+ 21	+ 19	32.4	May
-165	- 71	+ 13	+ 79	*+115*	+111	+ 77	+ 43	+ 17	+ 7	+ 7	36.6	June
-143	- 43	+ 47	+ 89	*+107*	+ 89	+ 65	+ 41	+ 25	+ 23	+ 29	31.0	July
- 82	- 2	+ 60	*+ 84*	*+ 84*	+ 56	+ 16	+ 8	+ 16	+ 14	+ 26	26.2	August
-105	- 45	+ 1	+ 45	+ 49	*+ 55*	+ 53	+ 47	+ 43	+ 43	+ 25	20.2	September
- 42	+ 30	+ 84	+100	*+106*	+ 94	+ 66	+ 52	+ 38	+ 6	- 6	20.6	October
- 6	+ 32	*+ 44*	+ 34	+ 24	+ 8	+ 8	+ 2	- 2	- 4	- 4	11.0	November
- 29	+ 3	+ 13	+ 15	+ 17	+ 13	+ 19	+ 27	+ 21	*+ 29*	+ 21	9.8	December
- 90	- 24	+ 28	+ 52	*+ 63*	+ 58	+ 44	+ 33	+ 24	+ 19	+ 15	21.4	Year
- 27	+ 9	*+ 27*	+ 24	+ 22	+ 15	+ 14	+ 12	+ 7	+ 5	0	9.8	Winter
-104	- 32	+ 28	+ 59	*+ 70*	*+ 70*	+ 63	+ 53	+ 45	+ 35	+ 25	23.0	Equinox
-139	- 48	+ 29	+ 74	*+ 98*	+ 89	+ 56	+ 33	+ 21	+ 16	+ 20	31.6	Summer

TABLE VII. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS

International Disturbed Days

DECLINATION WEST (Unit 0.'01)

Month and Season, 1962	Universal Time . Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	-125	-101	- 19	- 57	- 37	- 17	- 23	+ 19	- 23	- 39	+ 19	+189	+363
February	-376	-290	-104	- 68	- 46	- 44	- 82	-118	-170	-160	- 54	+240	+394
March	-166	- 78	-102	-124	- 54	- 90	-118	-150	-302	-268	- 52	+214	+512
April	-333	-407	-151	- 11	- 27	-159	- 67	- 91	-239	-231	- 13	+329	+511
May	-206	-248	-138	- 48	-188	-398	-500	*-558*	-524	-350	+ 30	+392	+730
June	- 67	-199	-259	-177	-113	-325	-477	*-507*	-493	-261	- 15	+253	+549
July	- 83	- 65	-169	-145	-179	-303	-379	*-425*	-373	-215	- 17	+295	+471
August	-267	-123	-301	-227	-185	*-373*	-333	-269	-197	-113	+165	+455	+681
September	-177	- 85	+ 55	-143	-155	-107	-225	-311	-237	-147	+ 75	+443	+621
October	-213	- 67	-365	-167	- 57	+ 85	+ 55	+ 81	+ 89	+ 97	+163	+455	+551
November	-305	-163	-111	- 5	+ 5	+151	+281	+227	+177	+ 63	+139	+307	+397
December	-422	-320	- 44	+ 24	+270	+204	+240	+354	+356	+306	+344	+336	+452
Year	-228	-179	-142	- 96	- 64	-115	-136	-146	-161	-110	+ 65	+326	+519
Winter	-307	-218	- 70	- 26	+ 48	+ 74	+104	+120	+ 85	+ 42	+112	+268	+402
Equinox	-222	-159	-141	-111	- 73	- 68	- 89	-118	-172	-137	+ 43	+360	+549
Summer	-156	-159	-217	-149	-166	-350	-422	*-440*	-397	-235	+ 41	+349	+608

INCLINATION (Unit 0.'01)

January	- 84	-119	-118	-144	- 99	*-166*	-144	-162	-165	-123	- 10	+ 54	+ 91
February	- 70	- 87	-107	- 86	-105	-132	-145	*-147*	-127	- 70	- 79	- 49	- 55
March	- 66	- 76	- 68	- 53	- 84	-127	-126	*-139*	-110	- 65	- 19	+ 12	+ 77
April	*-178*	-124	- 82	-107	-110	-119	-118	-108	- 28	+ 70	+120	+145	*+176*
May	- 85	- 86	- 76	- 88	- 82	- *90*	- 73	- 31	- 9	+ 15	+ 48	+ 53	+ 74
June	*-106*	- 83	- 73	- 63	-105	- 99	- 36	+ 24	+ 85	*+154*	+128	+ 91	+ 70
July	- 81	-102	- 93	- 55	- 42	- 3	+ 8	+ 52	+ 60	+ 79	*+119*	+107	+ 64
August	- 89	-186	*-216*	- 91	-139	- 71	- 58	+ 44	+178	*+197*	+124	+ 67	+ 73
September	-114	-108	-109	-106	-152	-118	- 59	+139	+ 95	+153	*+218*	+156	+ 45
October	- 82	*-169*	-117	- 95	- 98	-114	-129	- 59	+ 20	+ 56	+ 81	+113	*+160*
November	- 89	- 63	- 92	-107	-129	- 97	*-138*	- 75	- 63	- 19	+ 53	+ 77	+178
December	-117	-110	*-155*	-138	-119	-126	-123	-120	-101	- 75	- 37	- 24	- 15
Year	- 97	*-109*	*-109*	- 94	-105	-105	- 95	- 48	- 14	+ 31	+ 62	+ 67	+ 78
Winter	- 90	- 95	-118	-119	-113	-130	*-138*	-126	-114	- 72	- 18	+ 14	+ 50
Equinox	-110	-119	- 94	- 90	-111	*-120*	-108	- 42	- 6	+ 54	+100	+106	*+114*
Summer	- 90	*-114*	*-114*	- 74	- 92	- 66	- 40	+ 22	+ 78	*+111*	+105	+ 80	+ 70

HORIZONTAL INTENSITY (Unit 0.1γ)

January	+ 95	+145	+137	+173	+103	+205	+179	+207	*+209*	+143	- 21	-115	-165
February	+ 80	+ 96	+116	+ 94	+126	+168	+186	*+188*	+156	+ 66	+ 56	+ 2	+ 24
March	+ 91	+101	+ 89	+ 71	+109	+169	+163	*+183*	+141	+ 55	- 37	- 95	*-191*
April	*+213*	+125	+ 75	+115	+123	+145	+145	+133	+ 7	-157	-249	-311	*-345*
May	+114	+112	+ 90	+ 82	+104	*+124*	+ 90	+ 18	- 26	- 88	-168	-198	*-206*
June	*+149*	+115	+ 99	+ 81	+135	+117	+ 21	- 61	-149	*-267*	-251	-205	-175
July	+111	+131	+121	+ 59	+ 37	- 17	- 33	-105	-125	-167	*-241*	-229	-155
August	+142	+246	*+256*	+ 70	+158	+ 66	+ 60	- 92	-284	*-328*	-250	-182	-190
September	+147	+149	+143	+121	+175	+131	+ 57	-231	-171	-269	*-389*	-307	-135
October	+ 77	*+173*	+103	+101	+113	+139	+165	+ 69	- 47	-105	-157	-217	*-255*
November	+118	+ 78	+106	+122	+118	+106	+164	+ 78	+ 70	+ 10	-110	-140	*-282*
December	+131	+ 91	+131	+119	+107	+145	*+149*	+147	+127	+ 91	+ 33	+ 17	+ 5
Year	+122	*+130*	+122	+101	+117	+125	+112	+ 44	- 8	- 85	-149	-165	*-172*
Winter	+106	+102	+122	+127	+114	+156	*+170*	+155	+140	+ 78	- 10	- 59	-104
Equinox	+132	+137	+102	+102	+130	*+146*	+132	+ 38	- 18	-119	-208	*-232*	*-232*
Summer	+129	*+151*	+142	+ 73	+108	+ 72	+ 34	- 60	-146	-212	*-228*	-204	-182

DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

International Disturbed Days

DECLINATION WEST (Unit 0.'01)

Universal Time. Hour commencing											Range	Month and Season, 1962
13	14	15	16	17	18	19	20	21	22	23	'	
+417	+339	+171	+199	+103	- 53	-191	-213	-311	*-361*	-259	7.78	January
+520	*+588*	+586	+570	+244	- 86	-192	*-440*	-352	-302	-254	10.28	February
+726	+642	+562	+320	- 34	-196	*-418*	-308	-188	-198	-136	11.44	March
+705	*+825*	+527	+291	+349	- 77	-269	-351	*-431*	-337	-353	12.56	April
+858	+796	+568	+428	+188	+ 4	- 68	- 42	-136	-310	-270	14.16	May
+707	+591	+521	+455	+327	+147	-125	-103	-103	-193	-141	12.14	June
+591	*+625*	+455	+361	+301	+ 87	+117	-101	-369	-241	-229	10.50	July
+763	+689	+517	+313	+159	+ 49	-149	-311	-331	-367	-249	11.36	August
+721	+657	+483	+275	+141	-127	*-461*	-427	-275	-405	-185	11.82	September
+611	+567	+379	+ 87	- 65	-451	-253	*-541*	-481	-277	-291	11.52	October
+365	*+469*	+191	+ 83	- 17	-357	-215	-245	*-659*	-531	-251	11.28	November
+474	+328	+188	+116	-360	-384	-706	-388	-322	*-630*	-420	11.04	December
+622	+593	+429	+292	+111	-120	-244	-289	-330	*-346*	-253	11.32	Year
+444	+431	+284	+242	- 8	-220	-326	-322	-411	*-456*	-296	10.10	Winter
+691	+673	+488	+243	+ 98	-213	-350	*-407*	-344	-304	-241	11.84	Equinox
+730	+675	+515	+389	+244	+ 72	- 56	-139	-235	-278	-222	12.04	Summer

INCLINATION (Unit 0.'01)

+ 96	+153	+196	*+225*	+177	+131	+113	+ 56	+ 43	+ 20	- 26	3.91	January
+ 2	+ 54	+ 99	+181	+214	+208	*+252*	+157	+ 92	+ 20	- 25	3.99	February
+ 64	+ 98	+104	*+141*	+115	+132	+124	+105	+ 33	- 38	- 39	2.80	March
+ 99	+124	+115	+ 58	+ 58	+ 91	+110	+ 21	+ 6	- 89	-123	3.54	April
+ 69	+ 40	+ 38	+ 26	+ 12	+ 8	*+ 95*	+ 48	+ 57	- 6	+ 34	1.85	May
+ 92	+ 51	+ 16	+ 11	- 5	- 10	- 4	- 30	- 28	- 29	- 46	2.60	June
+ 94	+114	+ 72	+ 59	- 5	- 60	- 57	- 70	*-118*	- 80	- 56	2.37	July
+ 52	+104	+115	+117	+ 55	+ 22	- 41	- 54	- 52	-105	- 47	4.13	August
+ 48	+ 50	+ 80	+ 40	+ 91	+103	- 38	- 58	- 54	-106	*-200*	4.18	September
+150	+126	+135	+132	+ 79	+ 40	+ 20	+ 29	- 91	-114	- 74	3.29	October
+190	+150	+135	+ 65	+ 57	+ 47	+ 46	+ 21	-126	- 14	- 10	3.28	November
- 12	+ 87	+103	+125	+195	*+211*	+154	+179	+146	+ 44	+ 35	3.66	December
+ 79	+ 96	*+101*	+ 98	+ 87	+ 77	+ 64	+ 34	- 8	- 41	- 48	3.30	Year
+ 69	+111	+133	+149	*+161*	+149	+141	+103	+ 39	+ 18	- 6	3.71	Winter
+ 90	+100	+108	+ 93	+ 86	+ 92	+ 54	+ 24	- 26	- 87	-109	3.45	Equinox
+ 77	+ 77	+ 60	+ 53	+ 14	- 10	- 2	- 26	- 35	- 55	- 29	2.74	Summer

HORIZONTAL INTENSITY (Unit 0.1γ)

											γ	
-147	-197	-229	*-253*	-181	-123	-103	- 43	- 31	- 13	+ 33	46.2	January
- 54	- 92	-118	-202	-218	-198	*-264*	-144	- 86	- 10	+ 34	45.2	February
-145	-157	-125	-143	- 85	-107	-101	-101	- 13	+ 73	+ 61	37.4	March
-195	-185	- 81	+ 37	+ 39	+ 15	- 29	+ 57	+ 41	+123	+151	55.8	April
-144	- 40	+ 18	+ 50	+ 94	+102	- 54	- 8	- 38	+ 36	- 52	33.0	May
-193	- 95	- 19	+ 13	+ 65	+ 99	+107	+127	+103	+ 89	+ 87	41.6	June
-183	-167	- 51	- 9	+ 93	+175	+145	+171	*+221*	+127	+ 91	46.2	July
-116	-142	-112	- 80	+ 22	+ 64	+152	+160	+130	+186	+ 72	58.4	August
-107	- 61	- 61	+ 41	- 23	- 19	+171	+145	+111	+157	*+233*	62.2	September
-213	-143	-125	-101	- 23	+ 35	+ 27	+ 3	+145	+145	+ 89	42.8	October
-270	-176	-130	- 34	- 28	- 6	- 24	+ 8	*+210*	+ 16	+ 2	49.2	November
+ 19	- 97	- 93	-115	-179	-207	-123	*-213*	-191	- 41	- 63	36.2	December
-146	-129	- 94	- 66	- 35	- 14	- 8	+ 14	+ 50	+ 74	+ 62	46.2	Year
-113	-140	-142	-151	*-152*	-134	-128	- 98	- 24	- 12	+ 2	44.2	Winter
-165	-136	- 98	- 42	- 23	- 19	+ 17	+ 26	+ 71	+124	+134	49.6	Equinox
-159	-111	- 41	- 6	+ 68	+110	+ 88	+112	+104	+110	+ 50	44.8	Summer

TABLE VII. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL

International Disturbed Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season 1962	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	+105	+152	+137	+176	+105	+204	+178	+202	*+208*	+144	- 22	-131	-196
February	+114	+121	+124	+ 99	+128	+170	+191	*+196*	+169	+ 80	+ 60	- 20	- 13
March	+105	+107	+ 97	+ 81	+112	+175	+172	*+194*	+167	+ 79	- 32	-113	*-236*
April	*+241*	+161	+ 88	+114	+124	+158	+149	+139	+ 29	-133	-244	-337	*-387*
May	+131	+133	+101	+ 85	+120	*+159*	+135	+ 70	+ 23	- 54	-168	-231	*-271*
June	*+153*	+132	+122	+ 96	+143	+145	+ 65	- 13	-101	-239	-246	-225	-223
July	+117	+135	+135	+ 72	+ 53	+ 11	+ 3	- 64	- 89	-145	-236	*-253*	-196
August	+165	+254	*+280*	+ 90	+173	+100	+ 90	- 66	-261	*-313*	-262	-221	-250
September	+161	+155	+136	+132	+187	+139	+ 77	-199	-146	-251	*-390*	-344	-191
October	+ 96	+177	+135	+115	+117	+129	+157	+ 60	- 55	-112	-170	-256	*-302*
November	+145	+ 92	+115	+121	+116	+ 90	+135	+ 56	+ 53	+ 4	-121	-166	*-315*
December	*+168*	+119	+133	+115	+ 80	+124	+124	+112	+ 92	+ 61	+ 1	- 14	- 37
Year	+142	*+145*	+134	+108	+122	+134	+123	+ 57	+ 7	- 73	-152	-193	*-218*
Winter	+133	+121	+127	+128	+107	+147	*+157*	+142	+130	+ 72	- 20	- 83	-140
Equinox	+151	+150	+114	+110	+135	+150	+139	+ 48	- 1	-104	-209	-262	*-279*
Summer	+142	*+164*	+160	+ 86	+122	+104	+ 73	- 18	-107	-188	-228	-232	*-235*

WEST COMPONENT (Unit 0.1γ)

January	- 51	- 30	+ 13	- 1	- 2	+ 26	+ 18	+ 45	+ 23	+ 3	+ 7	+ 82	+167
February	-189	-140	- 36	- 21	- 3	+ 5	- 13	- 32	- 65	- 75	- 20	+130	+216
March	- 74	- 25	- 40	- 55	- 11	- 20	- 36	- 50	-139	-135	- 34	+ 99	+243
April	-143	-198	- 69	+ 14	+ 6	- 61	- 11	- 26	-127	-151	- 49	+124	+216
May	- 92	-114	- 59	- 12	- 84	-193	-254	*-297*	-286	-203	- 12	+177	+358
June	- 11	- 88	-123	- 82	- 38	-155	-253	-283	*-291*	-186	- 51	+101	+266
July	- 26	- 13	- 70	- 68	- 90	-166	-210	*-247*	-222	-144	- 50	+120	+227
August	-120	- 24	-119	-110	- 73	*-190*	-169	-160	-154	-117	+ 46	+214	+334
September	- 70	- 20	+ 54	- 56	- 54	- 35	-111	-207	-157	-125	- 26	+186	+311
October	-102	- 7	-179	- 73	- 11	+ 69	+ 58	+ 55	+ 40	+ 34	+ 61	+208	+253
November	-144	- 74	- 42	+ 18	+ 23	+ 99	+179	+135	+107	+ 36	+ 56	+141	+166
December	-205	-157	- 1	+ 33	+164	+134	+155	+216	+213	+180	+191	+184	+244
Year	-102	- 74	- 56	- 34	- 14	- 41	- 54	- 71	- 88	- 74	+ 10	+147	+250
Winter	-147	-100	- 16	+ 7	+ 46	+ 66	+ 85	+ 91	+ 70	+ 36	+ 58	+134	+198
Equinox	- 97	- 62	- 58	- 42	- 18	- 12	- 25	- 57	- 96	- 94	- 12	+154	+256
Summer	- 62	- 60	- 93	- 68	- 71	-176	-222	*-247*	-238	-162	- 17	+153	+296

VERTICAL COMPONENT (Unit 0.1γ)

January	- 73	- 79	- 93	- 99	*-105*	-101	- 87	- 85	- 89	- 95	- 83	- 79	- 67
February	- 57	- 79	-105	- 83	- 73	- 71	- 75	- 75	- 79	- 91	-145	*-167*	-135
March	- 20	- 30	- 30	- 20	- 38	- 50	- 62	- 58	- 56	- 98	-152	*-180*	-176
April	-125	-143	-111	-107	- 97	- 79	- 73	- 69	- 83	-119	-159	*-215*	-187
May	- 31	- 41	- 57	-115	- 43	- 25	- 47	- 67	- 93	-151	-221	*-275*	-221
June	- 25	- 23	- 23	- 33	- 53	- 75	- 77	- 59	- 49	- 83	-137	-157	*-161*
July	- 24	- 52	- 44	- 54	- 62	- 50	- 48	- 64	- 80	-114	-144	*-158*	-138
August	+ 18	- 78	-160	-156	-118	- 94	- 64	- 60	- 38	- 76	-148	*-190*	-188
September	- 56	- 30	- 48	- 88	-124	-106	- 74	- 52	- 66	- 92	-142	*-170*	-156
October	-107	*-187*	-167	- 97	- 79	- 73	- 67	- 47	- 39	- 49	- 83	-111	- 35
November	- 37	- 39	- 73	- 91	*-175*	- 91	- 99	- 81	- 57	- 43	- 71	- 57	- 33
December	-102	-172	*-236*	-206	-166	-104	- 84	- 78	- 56	- 50	- 52	- 44	- 42
Year	- 53	- 79	- 96	- 96	- 94	- 77	- 71	- 66	- 65	- 88	-128	*-150*	-128
Winter	- 67	- 92	-127	-120	*-130*	- 92	- 86	- 80	- 70	- 70	- 88	- 87	- 69
Equinox	- 77	- 98	- 89	- 78	- 84	- 77	- 69	- 56	- 61	- 90	-134	*-169*	-138
Summer	- 16	- 48	- 71	- 90	- 69	- 61	- 59	- 62	- 65	-106	-162	*-195*	-177

COMPONENTS OF MAGNETIC INTENSITY

International Disturbed Days

NORTH COMPONENT (Unit 0.1γ)

Universal Time. Hour commencing											Range	Month and Season, 1962
13	14	15	16	17	18	19	20	21	22	23	γ	
-183	-226	-241	*-268*	-188	-116	- 84	- 23	- 2	+ 21	+ 57	47.6	January
-101	-145	-171	*-252*	-237	-187	-242	-101	- 52	+ 18	+ 57	44.8	February
-210	-214	-175	-171	- 81	- 87	- 61	- 71	+ 5	+ 90	+ 73	43.0	March
-257	-259	-129	+ 9	+ 6	+ 22	- 4	+ 89	+ 80	+152	+181	52.8	April
-221	-113	- 35	+ 10	+ 75	+100	- 47	- 4	- 25	+ 64	- 26	43.0	May
-256	-148	- 67	- 29	+ 34	+ 84	+117	+135	+111	+106	+ 99	40.9	June
-235	-222	- 92	- 42	+ 64	+164	+132	+178	*+252*	+147	+111	50.5	July
-185	-204	-158	-108	+ 7	+ 58	+164	+186	+159	+217	+ 94	59.3	August
-172	-121	-105	+ 15	- 36	- 7	+211	+182	+135	+192	*+247*	63.7	September
-267	-193	-158	-108	- 17	+ 76	+ 50	+ 53	*+187*	+169	+115	48.9	October
-300	-217	-146	- 41	- 26	+ 27	- 4	+ 31	*+268*	+ 65	+ 25	58.3	November
- 25	-126	-109	-124	-143	-168	- 56	*-174*	-158	+ 18	- 23	34.2	December
-201	-182	-132	- 92	- 45	- 3	+ 15	+ 40	+ 80	+105	+ 84	49.8	Year
-152	*-178*	-167	-171	-148	-111	- 96	- 67	+ 14	+ 30	+ 29	46.2	Winter
-224	-197	-142	- 64	- 32	+ 1	+ 49	+ 63	+102	+151	*+154*	54.6	Equinox
-224	-172	- 88	- 42	+ 45	+102	+ 92	+124	+124	+134	+ 70	48.4	Summer

WEST COMPONENT (Unit 0.1γ)

											γ	
+199	+149	+ 53	+ 64	+ 25	- 49	-120	-122	-173	*-197*	-134	39.6	January
+271	*+301*	+295	+272	+ 94	- 80	-148	*-261*	-204	-164	-131	50.5	February
+366	+319	+281	+148	- 33	-124	*-242*	-183	-103	- 94	- 63	60.8	March
+346	*+413*	+270	+163	+194	- 39	-150	-179	*-225*	-160	-164	63.8	April
+437	+422	+309	+239	+117	+ 19	- 46	- 24	- 80	-161	-154	73.4	May
+348	+302	+277	+247	+187	+ 96	- 49	- 34	- 38	- 89	- 61	63.9	June
+287	*+308*	+236	+193	+178	+ 77	+ 88	- 25	-161	-108	-108	55.5	July
+391	+347	+259	+155	+ 89	+ 37	- 54	-140	-156	-166	-122	58.1	August
+370	+343	+250	+155	+ 72	- 72	*-219*	-205	-129	-191	- 60	58.9	September
+293	+281	+183	+ 30	- 39	-237	-132	*-291*	-234	-124	-142	58.4	October
+151	*+223*	+ 81	+ 39	- 14	-193	-120	-131	*-319*	-283	-135	54.2	November
+258	+160	+ 85	+ 43	-224	-242	*-401*	-245	-206	-346	-237	65.9	December
+310	+297	+215	+146	+ 54	- 67	-133	-153	-169	*-174*	-126	58.6	Year
+220	+208	+128	+104	- 30	-141	-197	-190	-226	*-248*	-159	52.6	Winter
+344	+339	+246	+124	+ 48	-118	-186	*-214*	-173	-142	-107	60.5	Equinox
+366	+345	+270	+208	+143	+ 57	- 15	- 56	-109	-131	-111	62.7	Summer

VERTICAL COMPONENT (Unit 0.1γ)

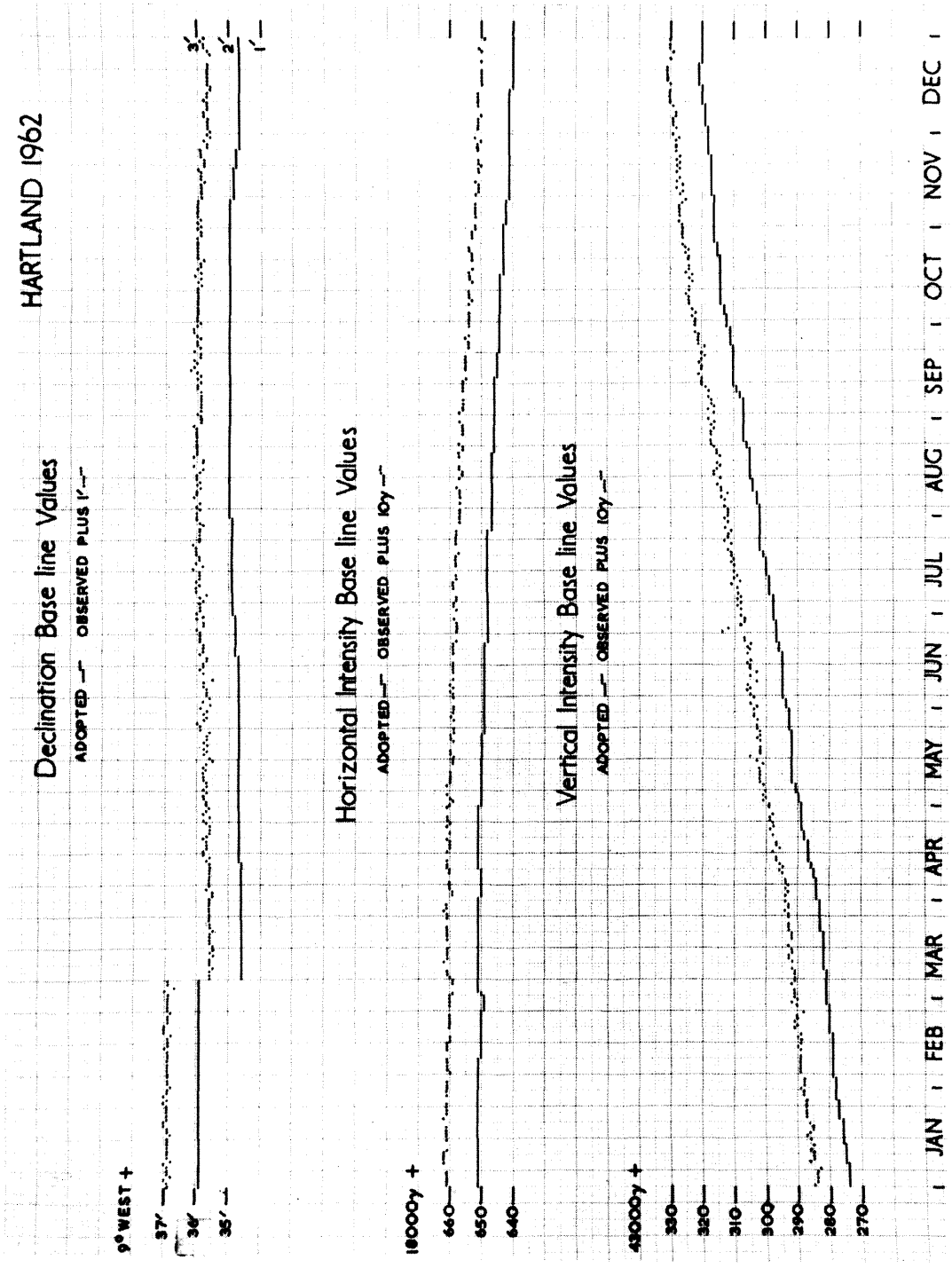
											γ	
- 7	+ 77	+153	*+197*	+195	+171	+153	+ 95	+ 79	+ 39	- 13	30.2	January
-117	- 27	+ 71	+163	+239	*+265*	*+265*	+213	+121	+ 45	- 9	43.2	February
-112	- 22	+ 72	+158	+204	*+212*	+196	+132	+ 84	+ 36	+ 6	39.2	March
-107	+ 3	+211	+289	+293	*+353*	+315	+205	+115	- 23	- 77	56.8	April
- 93	+ 47	+173	+205	+259	*+263*	+207	+147	+111	+ 63	- 3	53.8	May
-129	- 43	+ 13	+ 69	+135	+195	*+235*	+191	+141	+107	+ 43	39.6	June
- 98	+ 8	+134	+184	*+198*	+196	+138	+152	+100	+ 16	+ 16	35.6	July
- 88	+ 34	+140	+222	*+242*	+226	+210	+184	+120	+ 66	+ 2	43.2	August
- 80	+ 32	+138	+236	+264	*+316*	+264	+134	+ 70	- 4	-156	48.6	September
+ 29	+107	+179	*+227*	+223	+219	+133	+109	+ 21	- 61	- 53	41.4	October
+ 35	+115	*+167*	+149	+135	+149	+103	+ 91	+ 49	- 13	- 31	34.2	November
+ 2	+ 78	+144	+170	*+264*	+254	+250	+128	+ 66	+ 58	- 24	50.0	December
- 64	+ 34	+133	+189	+221	*+235*	+206	+148	+ 90	+ 27	- 25	43.0	Year
- 22	+ 61	+134	+170	+208	*+210*	+193	+132	+ 79	+ 32	- 19	39.4	Winter
- 68	+ 30	+150	+228	+246	*+275*	+227	+145	+ 72	- 13	- 70	46.5	Equinox
-102	+ 12	+115	+170	+208	*+220*	+198	+168	+118	+ 63	+ 14	43.0	Summer

TABLE VIII. - NON-CYCLIC CHANGE (24^h *minus* 0^h)

Month 1962	All Days			International Quiet Days			International Disturbed Days		
	Declination West	Horizontal Intensity	Vertical Intensity	Declination West	Horizontal Intensity	Vertical Intensity	Declination West	Horizontal Intensity	Vertical Intensity
	′	γ	γ	′	γ	γ	′	γ	γ
January	+0.05	+0.3	−0.1	+0.12	+3.4	−2.0	−0.30	− 9.0	+2.8
February	−0.03	+0.1	+0.1	+0.10	+5.6	−2.0	+1.22	− 6.6	+0.4
March	0.0	+0.6	−0.3	−0.14	+2.6	+0.8	+0.92	− 1.8	+0.4
April	−0.05	−0.4	+0.4	+0.48	+5.8	+1.2	−0.70	− 6.2	−0.4
May	−0.07	−0.5	−0.1	+0.24	+3.8	−1.2	−0.92	−19.8	+2.4
June	+0.02	−0.8	+0.1	+0.20	+7.6	−1.8	−0.90	− 8.8	+1.2
July	+0.04	+0.5	+0.1	+0.94	+2.6	−0.4	−0.92	− 6.4	0
August	−0.06	−0.6	−0.1	−0.96	+8.0	+0.2	+0.90	− 6.2	−3.8
September	−0.07	+0.1	+0.3	−1.44	+4.0	+0.4	+0.12	− 2.4	−9.0
October	+0.01	−0.1	0.0	+0.74	+2.4	+1.8	+1.42	− 3.6	0
November	−0.05	−0.2	−0.1	+0.10	+2.4	−0.8	+0.04	− 9.6	−2.6
December	+0.01	+0.3	+0.1	−0.18	+2.8	−0.8	−1.14	− 6.4	+1.8
Year	..	..	..	+0.02	+4.2	−0.4	−0.02	− 7.2	−0.6

TABLE IX. - MEAN MONTHLY AND ANNUAL VALUES OF GEOMAGNETIC ELEMENTS

Month 1962	Declination West	Inclination	Horizontal Intensity	North Intensity	West Intensity	Vertical Intensity	Total Intensity
	° ′	° ′	c.g.s.	c.g.s.	c.g.s.	c.g.s.	c.g.s.
January	9 50.0	66 40.6	.18763	.18487	.03204	.43517	.47389
February	9 49.5	66 40.3	.18767	.18492	.03202	.43516	.47390
March	9 49.0	66 39.6	.18775	.18500	.03201	.43510	.47388
April	9 48.1	66 39.6	.18775	.18501	.03196	.43512	.47390
May	9 47.6	66 39.0	.18784	.18510	.03195	.43511	.47393
June	9 47.4	66 38.8	.18787	.18514	.03195	.43512	.47395
July	9 46.7	66 38.8	.18788	.18515	.03191	.43513	.47396
August	9 46.5	66 39.0	.18786	.18513	.03189	.43516	.47397
September	9 45.4	66 39.6	.18779	.18507	.03183	.43521	.47399
October	9 44.9	66 39.9	.18777	.18506	.03180	.43526	.47403
November	9 44.5	66 39.4	.18784	.18513	.03178	.43527	.47407
December	9 43.4	66 39.4	.18786	.18516	.03173	.43528	.47409
Year	9 46.9	66 39.5	.18779	.18506	.03191	.43517	.47396


HARTLAND 1962
Declination Base line Values
ADOPTED — OBSERVED PLUS 1'
9° WEST +
37'
36'
35'
3'
2'
1'
Horizontal Intensity Base line Values
ADOPTED — OBSERVED PLUS 10γ
18000γ +
660
650
640
Vertical Intensity Base line Values
ADOPTED — OBSERVED PLUS 10γ
43000γ +
330
320
310
300
290
280
270
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC

Results of Observations

1963

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
JANUARY						9° + Tabular Quantities											
1	41.7	42.0	42.8	42.6	43.5	43.4	43.1	43.0	42.5	42.8	44.1	44.5	46.0	46.9	46.6	45.9	
2 *	42.6	43.0	43.4	43.6	43.6	43.8	43.9	43.7	43.2	43.1	43.5	44.4	45.9	46.4	45.4	44.6	
3	42.7	42.9	42.9	43.3	43.8	43.7	43.7	43.6	43.4	43.7	44.3	44.7	45.5	46.4	45.0	44.3	
4	41.7	42.1	43.1	43.6	43.8	44.2	44.1	43.8	43.4	43.5	44.4	45.1	46.7	46.8	45.9	45.4	
5	43.1	43.3	43.6	43.7	43.8	44.0	43.7	43.1	42.5	42.8	44.3	45.4	46.6	47.3	45.8	44.5	
6 *	43.2	43.3	43.3	43.3	43.2	43.3	43.2	42.9	42.6	42.7	43.2	44.0	45.4	46.1	45.3	44.5	
7	43.0	43.9	42.3	43.3	43.1	43.4	43.9	43.6	42.8	42.4	43.6	44.1	45.4	46.9	46.7	46.4	
8	42.7	42.8	43.1	43.6	43.3	42.8	42.8	42.7	42.3	41.7	42.4	43.7	45.8	46.8	46.4	44.8	
9 *	42.9	43.5	43.7	43.7	43.6	43.1	42.9	42.8	42.5	42.5	43.0	44.5	46.4	46.6	45.9	44.9	
10	41.9	42.5	42.4	42.8	42.9	42.9	43.5	43.0	42.6	41.7	42.0	42.8	44.8	46.4	46.9	45.9	
11	43.4	43.6	43.8	43.9	43.8	43.8	43.5	43.0	42.5	42.1	42.8	43.6	45.3	47.6	47.8	45.9	
12	42.9	43.6	43.5	43.2	43.8	43.7	43.4	42.7	41.7	41.5	42.0	42.7	44.5	45.7	45.8	45.2	
13 **	41.9	34.7	41.1	43.3	42.6	43.2	45.1	47.9	45.2	46.7	44.9	43.8	45.7	45.8	45.8	43.5	
14 **	38.3	40.2	40.9	44.2	42.2	45.2	42.9	43.7	42.9	42.6	43.0	41.0	43.6	46.0	46.8	45.6	
15 **	42.1	40.8	42.1	43.9	48.7	48.0	47.3	45.1	45.9	44.9	44.6	43.5	43.9	45.7	44.3	44.2	
16	42.0	44.1	40.5	41.6	41.9	42.4	43.3	43.3	44.1	44.4	43.6	43.5	43.1	44.7	43.7	38.9	
17	39.6	41.9	42.4	42.6	42.5	43.6	46.9	47.0	43.6	44.1	43.5	43.7	44.7	45.1	43.4	43.4	
18	41.6	42.7	42.4	41.5	41.9	42.7	42.7	42.9	42.0	42.3	42.3	43.2	45.3	46.4	44.0	43.7	
19	42.5	41.7	41.2	42.2	42.7	43.8	44.3	43.4	42.4	42.0	42.8	43.2	45.2	46.8	45.9	44.6	
20	41.1	43.1	43.2	42.9	43.1	42.8	43.1	43.3	43.5	43.8	42.8	43.6	46.3	46.1	44.7	43.6	
21	42.7	42.2	42.3	42.6	42.3	42.1	42.1	42.1	41.8	41.6	41.9	42.9	44.6	45.6	44.5	43.7	
22	43.2	43.4	42.9	42.7	42.9	42.8	42.8	42.7	42.2	41.7	42.3	42.9	44.6	45.6	44.7	43.6	
23	41.7	41.3	41.7	41.3	42.8	42.8	42.9	42.5	41.9	41.9	42.9	43.9	45.4	46.6	45.0	43.7	
24	42.6	43.4	43.5	43.7	43.7	43.4	42.5	42.3	41.8	42.2	43.1	43.3	45.7	47.3	45.8	44.2	
25	39.1	40.7	41.3	43.7	43.7	43.4	42.4	41.8	41.0	41.4	42.4	43.8	46.3	46.2	45.1	44.3	
26	42.8	42.8	43.0	43.3	43.4	43.3	42.7	42.1	41.5	41.6	42.4	43.8	44.8	45.4	44.2	43.5	
27 *	42.8	43.3	43.6	43.4	43.5	43.5	42.9	42.4	41.8	42.4	44.0	45.3	46.1	45.6	44.0	42.8	
28 *	43.0	43.3	43.5	43.7	43.3	43.5	43.1	42.6	42.6	42.9	43.8	44.6	45.3	45.3	43.6	43.0	
29	42.8	43.0	43.1	43.4	43.5	43.4	42.8	42.5	42.4	43.0	44.3	45.8	46.8	46.4	45.4	44.6	
30 **	40.4	39.7	42.3	40.8	41.6	39.3	39.5	42.0	43.5	43.6	47.1	47.0	48.8	45.8	46.9	48.7	
31 **	30.1	25.9	24.3	27.1	28.5	39.1	46.8	50.1	49.1	50.3	49.7	47.8	46.3	47.3	49.7	45.4	
Mean	41.7	41.8	42.0	42.5	42.8	43.2	43.5	43.5	42.9	43.0	43.6	44.1	45.5	46.2	45.5	44.4	
Mean *	42.9	43.3	43.5	43.5	43.4	43.4	43.2	42.9	42.5	42.7	43.5	44.6	45.8	46.0	44.8	44.0	
Mean **	38.6	36.3	38.1	39.9	40.7	43.0	44.3	45.8	45.3	45.6	45.9	44.6	45.7	46.1	46.7	45.5	
FEBRUARY						9° + Tabular Quantities											
1	40.8	40.6	41.3	41.6	41.8	41.9	41.9	41.8	44.6	46.0	46.2	47.8	46.7	47.7	46.1	44.1	
2 *	41.9	42.0	42.0	42.3	42.5	42.7	42.6	42.6	43.6	44.3	44.6	44.9	45.6	45.1	43.7	42.6	
3	42.0	42.3	42.6	42.5	42.0	42.2	41.6	41.5	41.7	43.3	44.7	45.9	46.9	46.9	45.8	43.9	
4	43.1	42.9	42.8	42.7	42.5	42.3	41.9	41.8	41.7	42.4	43.6	44.6	45.9	47.1	46.9	45.2	
5	42.6	42.6	42.6	42.6	42.5	42.1	41.7	41.6	40.7	40.9	42.1	43.8	45.6	47.0	47.0	47.3	
6	42.2	42.6	43.1	43.1	42.9	42.5	42.6	42.3	41.6	41.2	42.4	43.9	45.7	46.7	47.3	46.3	
7	42.7	42.8	43.1	43.4	43.2	42.9	42.6	42.4	41.5	41.1	41.8	42.8	44.2	45.1	45.4	44.5	
8 *	42.3	42.5	42.7	42.7	42.9	42.8	42.6	42.6	42.8	42.8	43.3	43.9	44.1	44.2	44.0	43.4	
9	42.9	43.0	43.2	43.1	43.0	42.9	42.7	42.6	42.9	43.4	43.7	44.4	44.0	43.9	43.4	42.5	
10 **	33.5	35.2	38.1	36.8	39.8	37.2	41.0	44.0	45.0	44.4	44.6	45.8	48.3	45.8	44.9	44.5	
11 **	44.9	44.8	43.7	43.7	43.5	45.0	42.6	41.6	42.1	42.8	42.8	44.6	45.8	45.1	45.6	43.8	
12 **	43.1	47.3	45.4	40.8	42.8	43.8	44.3	44.4	44.3	44.3	45.1	45.8	46.0	45.4	44.0	43.8	
13 **	41.7	42.6	44.0	45.1	44.6	44.4	43.3	45.4	44.5	44.9	45.2	46.2	45.6	46.8	45.5	42.6	
14 **	38.8	40.5	42.3	42.6	43.8	44.6	43.0	42.9	46.4	43.4	43.8	44.9	45.0	45.6	43.9	42.7	
15	41.2	41.7	42.2	42.6	42.6	42.7	42.7	42.6	42.9	42.8	43.6	44.6	45.8	45.2	43.8	43.5	
16	41.9	41.9	42.0	42.1	42.5	42.3	42.2	42.1	42.6	43.1	43.1	43.9	44.2	43.9	43.7	43.7	
17	42.1	42.0	42.1	42.5	42.5	42.4	42.5	43.0	43.5	43.1	42.8	43.5	44.2	44.7	44.7	43.9	
18	42.1	42.0	42.0	42.3	42.3	42.5	42.7	43.0	42.9	42.9	43.1	44.1	45.1	45.3	44.9	44.0	
19 *	42.4	42.3	42.5	42.6	42.7	42.7	42.5	42.7	42.7	42.1	42.1	43.2	44.0	44.7	44.5	43.9	
20	42.9	41.9	41.8	40.7	40.9	41.5	41.9	42.5	43.0	43.0	43.3	43.8	44.6	45.9	45.9	44.9	
21	42.2	42.2	41.9	41.9	42.0	41.9	42.2	42.8	43.8	43.6	43.8	44.3	45.0	44.7	44.0	44.4	
22	42.7	42.8	42.8	42.8	43.0	42.0	41.7	42.1	42.8	42.7	42.7	44.0	45.7	46.1	45.4	44.1	
23	42.5	42.7	42.9	42.9	42.8	42.7	42.8	43.9	43.0	42.1	42.9	44.5	45.2	45.2	44.4	43.7	
24 *	42.6	42.7	42.9	42.8	42.8	42.4	42.3	42.1	41.8	41.1	41.6	43.7	45.2	45.8	45.1	43.9	
25	40.7	42.4	41.9	41.5	41.3	42.0	42.1	42.2	41.8	41.8	42.2	43.8	45.0	45.0	44.4	43.8	
26	42.0	42.0	42.4	42.6	42.5	42.2	42.6	42.1	42.0	42.5	43.7	44.6	46.2	46.7	45.9	45.3	
27 *	42.1	42.0	42.6	42.7	42.5	42.6	42.4	42.6	42.1	41.8	42.4	43.9	45.3	45.3	45.2	44.5	
28	42.2	41.9	42.1	42.9	43.0	42.0	41.9	41.9	41.1	41.2	42.4	44.2	45.4	45.8	46.0	44.2	
Mean	41.9	42.2	42.5	42.4	42.5	42.5	42.4	42.6	42.8	42.8	43.3	44.5	45.4	45.6	45.0	44.1	
Mean *	42.3	42.3	42.5	42.6	42.7	42.6	42.5	42.5	42.6	42.4	42.8	43.9	44.8	45.0	44.5	43.7	
Mean **	40.4	42.1	42.7	41.8	42.9	43.0	42.8	43.7	44.5	44.0	44.3	45.5	46.1	45.7	44.8	43.5	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						JANUARY
										h m		h m			
46.3	45.0	43.8	43.3	42.5	42.5	41.9	41.8	43.7		13 01	47.3	00 32	41.5	5.8	1
44.0	44.0	44.0	43.8	43.5	42.9	42.8	42.9	43.8		12 52	46.8	22 02	32.2	14.6	2 *
44.3	44.5	44.7	44.3	43.9	43.3	42.7	42.6	43.9		13 24	46.7	23 52	42.3	4.4	3
47.6	47.3	46.8	42.8	42.5	42.8	42.4	42.9	44.3		16 55	50.3	00 52	39.9	10.4	4
43.9	43.6	43.5	43.4	43.2	42.8	42.3	43.1	43.9		13 06	48.0	21 52	41.0	7.0	5
43.8	43.7	43.6	43.3	43.3	43.3	43.3	43.5	43.6		13 06	46.6	08 57	42.2	4.4	6 *
45.7	43.2	44.5	43.6	42.5	42.4	42.3	42.6	43.8		13 50	47.7	17 33	40.7	7.0	7
44.3	43.9	43.7	43.5	41.8	41.7	41.7	42.6	43.4		13 30	47.2	21 41	39.9	7.3	8
43.9	43.8	43.3	42.9	42.5	42.3	42.3	42.4	43.6		13 36	47.0	09 13	42.1	4.9	9 *
44.7	43.8	43.7	42.9	42.6	42.5	42.6	42.7	43.4		13 59	47.0	00 40	41.6	5.4	10
45.7	45.8	45.1	42.9	42.4	42.5	42.1	42.4	44.0		14 14	49.0	22 43	41.6	7.4	11
44.7	45.4	45.2	44.2	43.6	39.9	39.4	40.5	43.3		14 01	46.2	21 44	37.8	8.4	12
43.7	43.3	40.9	42.7	41.4	40.5	37.7	39.3	42.9		07 38	50.3	01 29	27.0	23.3	13 **
35.3	38.3	41.4	30.4	35.9	40.0	42.2	41.5	41.4		14 37	47.8	19 17	19.3†	28.5	14 **
44.3	43.6	42.8	42.6	37.5	39.0	39.7	41.9	43.6		06 03	54.4†	20 09	33.8	20.6	15 **
41.9	43.6	43.5	41.8	28.8	34.9	38.5	40.8	41.6		14 31	46.7	20 23	24.6	22.1	16
43.4	36.0	42.0	43.3	41.5	40.8	39.6	41.3	42.7		06 28	48.4	17 35	30.8	17.6	17
43.7	42.3	43.0	41.8	40.7	39.4	36.1	39.6	42.3		13 43	47.2	22 07	34.1	13.1	18
44.4	39.1	41.7	43.4	41.6	36.1	37.9	38.3	42.4		14 04	47.5	17 32	34.8	12.7	19
43.3	43.1	43.0	42.7	42.3	41.7	41.8	42.4	43.2		12 37	46.8	00 00	38.9	7.9	20
43.1	43.0	42.8	42.7	42.5	42.4	42.8	43.1	42.8		13 06	45.8	09 57	41.5	4.3	21
43.7	43.4	43.4	43.1	42.7	42.5	42.6	42.4	43.1		13 13	45.9	23 53	40.9	5.0	22
43.3	43.3	43.0	42.2	41.9	41.5	40.7	42.7	42.8		13 30	47.7	22 23	39.2	8.5	23
43.5	43.9	43.5	43.4	41.2	37.0	37.3	39.7	42.8		13 33	47.6	22 27	33.5	14.1	24
43.5	42.6	40.2	40.4	41.7	42.3	42.4	42.6	42.6		12 55	47.2	18 53	36.4	10.8	25
43.6	43.3	43.0	42.5	42.7	42.3	42.5	42.6	43.0		13 11	45.7	08 38	41.1	4.6	26
43.3	43.3	43.1	42.8	42.6	42.4	42.4	42.7	43.3		12 21	46.8	08 25	41.7	5.1	27 *
44.0	43.5	43.5	43.1	42.7	42.4	42.2	42.7	43.4		12 59	46.0	21 58	41.8	4.2	28 *
45.0	45.1	44.3	43.4	41.7	40.1	38.0	38.8	43.3		12 38	47.5	22 06	36.2	11.3	29
48.3	46.0	42.4	43.7	40.7	36.4	36.8	34.3	42.7		12 51	51.8	23 54	29.0	22.8	30 **
40.4	43.4	42.4	40.1	41.9	42.5	41.6	41.0	41.3		09 54	53.1	02 18	22.0	31.1	31 **
43.9	43.4	43.3	42.5	41.5	41.1	40.9	41.5	43.1		-	47.9	-	36.4	11.4	Mean
43.8	43.7	43.5	43.2	42.9	42.7	42.6	42.8	43.6		-	46.6	-	40.0	6.6	Mean *
42.4	42.9	42.0	39.9	39.5	39.7	39.6	39.6	42.4		-	51.5	-	26.2	25.3	Mean **
									9° + Tabular Quantities						FEBRUARY
43.7	42.5	41.6	41.9	40.5	37.5	39.3	41.3	42.9		12 42	48.9	21 13	35.0	13.9	1
42.8	43.3	42.9	43.2	41.6	42.7	42.5	42.0	43.1		12 53	46.3	20 17	39.7	6.6	2 *
43.1	42.8	42.5	41.9	41.9	42.5	42.5	42.7	43.2		12 42	47.4	07 51	41.1	6.3	3
44.3	44.5	44.8	43.9	40.7	41.1	42.3	42.6	43.4		13 18	47.7	20 39	37.9	9.8	4
45.2	43.8	42.9	42.6	41.8	41.4	41.5	42.0	43.1		15 25	47.9	08 28	40.3	7.6	5
45.9	44.3	43.4	42.6	42.2	41.7	41.7	42.1	43.3		14 21	47.7	09 10	40.7	7.0	6
44.0	43.8	43.2	42.9	41.1	41.8	40.6	41.7	42.9		14 07	45.7	20 37	39.7	6.0	7
43.1	43.0	42.8	42.6	42.4	42.4	42.4	42.6	43.0		12 38	44.4	00 10	41.8	2.6	8 *
43.0	44.4	44.3	44.0	43.9	42.1	40.4	33.6	42.8		18 18	44.9	23 31	29.8	15.1	9
41.0	40.8	39.7	34.3	36.0	39.9	38.5	44.4	41.0		12 06	51.4†	20 55	25.8	25.6	10 **
38.2	41.5	42.7	38.2	36.1	37.7	40.6	43.3	42.5		05 37	48.5	20 43	31.7	16.8	11 **
43.4	42.4	40.8	38.6	38.6	38.2	39.8	40.6	43.0		01 57	50.9	21 46	34.4	16.5	12 **
37.2	38.9	41.0	30.3	37.1	41.7	38.8	40.1	42.4		13 15	49.7	19 26	21.7†	28.0	13 **
40.3	42.1	42.0	40.6	39.9	41.9	41.7	40.1	42.6		08 26	48.6	20 10	36.3	12.3	14 **
42.9	42.1	41.3	42.9	42.5	42.0	41.9	41.7	42.8		13 00	46.7	00 00	38.7	8.0	15
40.9	42.8	43.3	43.1	42.8	42.6	42.3	42.2	42.7		12 34	46.0	16 19	39.2	6.8	16
43.7	43.6	43.2	43.0	43.0	42.8	42.4	41.9	43.0		13 57	45.3	05 53	41.8	3.5	17
42.9	42.9	43.5	43.7	43.2	43.0	42.9	42.7	43.2		13 21	46.0	02 43	41.8	4.2	18
43.8	43.8	43.5	43.7	43.6	43.1	43.0	43.0	43.1		13 36	45.7	09 37	41.8	3.9	19 *
44.5	44.3	44.4	43.8	42.9	42.3	39.9	38.5	42.9		13 27	47.2	23 00	32.4	14.8	20
43.0	43.1	43.6	42.8	42.7	42.2	41.5	42.3	43.0		12 03	45.9	22 28	40.5	5.4	21
43.2	43.0	42.1	41.4	42.3	40.6	42.1	42.6	42.9		13 25	46.5	21 25	38.5	8.0	22
43.0	43.0	42.1	42.0	42.0	42.1	42.1	42.3	43.0		11 17	46.2	18 53	41.3	4.9	23
43.0	43.4	43.1	42.8	42.4	42.4	42.0	40.7	42.9		13 36	46.1	23 39	39.9	6.2	24 *
42.7	42.8	42.9	42.5	42.1	42.0	42.0	42.0	42.5		12 49	46.5	00 20	40.2	6.3	25
43.4	43.2	43.2	42.7	42.2	41.6	41.1	41.8	43.1		13 11	47.2	22 23	40.4	6.8	26
43.4	43.3	43.5	43.2	42.8	42.2	42.1	41.6	43.0		12 25	45.6	23 17	41.1	4.5	27 *
43.6	43.6	43.5	43.0	42.6	42.4	42.2	40.3	42.9		14 18	47.5	23 42	38.0	9.5	28
42.8	43.0	42.8	41.7	41.5	41.6	41.4	41.5	42.9		-	47.1	-	37.6	9.5	Mean
43.2	43.4	43.2	43.1	42.6	42.6	42.4	42.0	43.0		-	45.6	-	40.9	4.8	Mean *
40.0	41.1	41.2	36.4	37.5	39.9	39.9	41.7	42.3		-	49.8	-	30.0	19.8	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
MARCH	9° + Tabular Quantities																
1 **	39.5	38.7	39.5	37.6	37.4	40.9	39.2	42.2	44.3	40.3	42.1	44.7	45.8	46.9	46.1	46.0	
2	41.6	41.6	41.9	42.0	42.6	41.8	42.1	42.0	41.3	41.3	41.9	44.6	45.1	44.8	45.9	44.1	
3	42.1	41.8	42.0	42.1	43.2	42.0	41.9	42.8	43.4	42.1	44.1	44.9	45.7	46.0	45.6	44.6	
4	40.8	42.0	41.8	41.6	41.6	41.4	41.7	41.8	41.8	42.4	43.9	45.0	46.2	47.1	45.8	44.8	
5	41.9	41.7	41.4	41.4	41.9	41.4	41.7	41.6	40.6	40.1	42.0	44.9	47.1	47.3	47.2	45.7	
6	42.0	41.6	40.8	40.4	40.0	41.4	40.9	41.8	41.6	41.3	42.0	43.8	46.2	47.0	46.8	45.3	
7	42.7	42.1	42.0	42.2	40.9	41.3	42.1	41.9	41.2	40.9	41.7	43.9	45.8	46.4	45.9	45.1	
8 **	39.6	42.6	41.9	37.0	38.5	40.1	41.1	47.6	45.7	42.4	45.1	47.9	51.1	48.3	49.9	49.1	
9 **	41.4	41.8	41.5	42.5	44.2	44.7	42.2	42.4	42.2	41.1	43.6	44.6	47.9	47.2	46.2	45.0	
10 **	41.0	43.6	42.4	39.5	40.9	40.7	44.8	44.0	42.6	41.8	43.9	45.9	47.4	48.3	47.6	42.4	
11 **	41.2	36.7	40.0	43.3	45.7	43.6	42.0	41.3	40.2	40.0	40.8	42.7	45.0	45.7	46.1	44.6	
12	40.7	40.6	43.7	40.8	41.0	41.2	41.9	41.8	40.1	39.7	40.9	43.6	46.3	46.2	45.4	42.8	
13	41.9	42.0	42.0	42.0	42.1	41.8	41.8	41.0	40.2	40.3	41.6	43.9	45.7	47.2	46.7	45.2	
14 *	41.6	42.3	41.9	42.0	42.1	42.1	41.9	41.5	40.0	39.0	40.0	41.6	43.6	45.2	45.2	44.7	
15	42.0	42.2	42.8	42.7	42.1	41.7	41.9	41.1	39.8	39.6	41.7	44.1	46.3	47.2	47.1	45.9	
16 *	42.0	42.0	42.1	42.1	42.2	42.0	42.0	41.8	39.9	40.0	41.7	43.9	45.9	47.0	46.8	45.6	
17	41.4	41.5	41.9	41.7	41.8	41.9	41.8	41.5	40.3	40.0	41.5	44.0	46.0	47.1	47.3	46.8	
18	41.5	41.6	40.4	40.0	39.5	40.0	39.6	39.5	39.6	39.9	41.1	43.6	46.7	49.1	50.1	48.2	
19	40.6	41.7	40.7	40.3	37.4	37.8	38.5	40.0	39.4	40.1	42.0	44.4	46.6	47.8	46.7	45.6	
20	41.2	41.8	41.0	40.4	40.7	41.0	40.8	40.2	39.3	39.7	41.6	44.4	45.9	46.1	45.7	44.9	
21	41.4	42.2	42.1	42.9	41.9	41.2	40.7	40.4	39.7	40.2	42.1	45.1	47.0	47.2	46.3	44.7	
22 *	42.6	42.4	42.3	42.0	41.7	41.5	41.4	40.7	39.6	39.1	40.6	42.8	45.1	46.4	46.3	45.2	
23	42.4	41.9	41.9	41.8	41.7	41.7	41.1	40.6	39.5	40.3	43.4	45.7	47.6	49.4	50.4	47.5	
24	42.3	42.1	42.0	41.9	41.6	41.1	40.9	40.0	38.9	38.7	41.2	43.2	45.7	46.2	46.5	45.3	
25	42.0	42.8	42.5	42.0	41.9	41.6	41.0	39.3	37.6	38.1	40.7	43.8	46.9	48.3	47.0	45.6	
26 *	42.4	42.2	42.3	42.0	41.9	41.7	41.7	40.6	38.8	38.7	40.2	43.1	45.9	47.7	47.2	45.8	
27 *	42.3	42.3	42.4	42.1	42.0	41.8	41.2	40.0	38.3	38.2	40.6	43.5	45.8	46.7	46.7	45.2	
28	42.2	42.3	42.4	42.4	42.2	41.9	41.9	41.2	40.1	39.2	40.6	42.9	46.1	48.2	48.3	46.9	
29	41.8	42.0	41.9	41.8	41.8	41.2	41.0	39.9	38.5	39.0	40.9	43.5	47.6	48.5	47.9	46.2	
30	40.7	40.1	40.3	40.4	40.6	41.2	41.2	41.1	40.0	39.2	41.2	43.5	45.6	46.7	46.6	45.9	
31	41.8	41.6	41.6	41.5	41.4	41.2	41.3	40.8	39.3	39.0	40.4	43.4	46.0	46.9	46.0	44.4	
Mean	41.6	41.7	41.7	41.4	41.4	41.4	41.4	41.4	40.4	40.1	41.8	44.1	46.3	47.1	46.9	45.5	
Mean *	42.2	42.2	42.2	42.0	42.0	41.8	41.6	40.9	39.3	39.0	40.6	43.0	45.3	46.6	46.4	45.3	
Mean **	40.5	40.7	41.1	40.0	41.3	42.0	41.9	43.5	43.0	41.1	43.1	45.2	47.4	47.3	47.2	45.4	
APRIL	9° + Tabular Quantities																
1	37.6	38.2	40.0	38.4	37.8	40.2	36.4	37.9	38.3	39.6	40.7	42.0	44.5	46.0	46.4	45.3	
2	41.9	41.7	41.0	41.1	40.8	41.2	41.2	40.2	39.1	38.5	39.6	42.2	45.0	46.9	46.6	45.2	
3	44.1	41.9	41.4	40.8	40.9	40.9	40.7	39.8	39.2	40.4	42.1	43.6	45.7	46.5	45.9	45.1	
4 **	41.9	41.2	40.3	39.8	39.9	40.2	40.2	38.8	38.8	40.7	42.0	44.1	47.6	48.7	50.3	48.0	
5 **	35.0	35.0	39.3	41.1	43.0	43.6	41.2	40.8	39.6	41.2	41.7	44.1	47.7	49.0	48.4	46.0	
6 **	42.0	41.9	41.8	42.3	40.7	40.6	39.8	39.8	41.0	40.1	41.9	42.0	44.3	45.8	44.5	43.0	
7	42.5	43.8	42.2	40.7	40.9	40.5	40.0	39.2	39.4	40.3	41.9	44.2	46.2	47.1	47.1	45.9	
8	41.1	41.9	41.6	41.1	40.8	41.0	40.3	39.0	38.6	39.2	41.6	44.7	46.7	47.0	46.2	44.7	
9	41.4	41.9	41.9	41.4	42.8	42.3	39.7	38.2	37.9	38.4	40.7	43.0	45.5	47.0	46.7	45.4	
10 *	42.1	42.0	42.1	41.8	41.3	40.7	40.0	39.0	38.6	39.0	41.0	43.0	46.3	47.5	47.0	45.9	
11 *	41.8	41.7	41.6	41.7	41.4	41.2	40.5	38.7	37.2	37.1	38.6	41.1	44.6	47.1	47.2	45.8	
12	39.7	39.2	40.5	40.8	40.7	40.0	39.2	38.2	37.6	37.8	40.2	42.5	45.2	49.4	49.1	46.3	
13	41.6	41.8	42.1	41.8	40.8	40.2	39.4	38.8	38.0	39.0	41.0	43.8	47.9	50.9	51.8	51.2	
14 **	39.0	37.2	38.5	39.6	40.2	40.1	39.2	38.7	38.4	39.9	42.2	44.0	47.7	49.8	50.3	51.1	
15	38.1	39.2	45.4	39.9	37.6	37.9	38.5	40.5	41.9	41.7	42.8	44.1	46.3	47.9	46.8	45.9	
16	43.1	40.9	40.9	40.2	40.1	40.1	39.8	39.0	38.3	38.9	40.8	42.2	44.8	46.0	46.1	45.7	
17	39.7	38.1	42.0	40.7	39.6	39.1	39.0	39.1	39.4	39.7	41.3	43.0	46.0	47.8	47.2	45.9	
18	40.0	40.1	40.0	39.9	39.4	39.2	39.0	38.6	38.1	39.0	40.9	42.9	45.3	47.8	48.0	46.9	
19	41.9	40.3	40.2	39.4	37.9	37.1	38.9	38.2	38.0	39.8	41.8	43.4	45.0	46.1	46.0	45.4	
20	42.7	40.6	40.5	40.4	40.3	40.1	39.3	39.0	40.3	40.7	42.0	43.6	46.7	46.9	46.1	45.1	
21 *	41.3	41.1	41.0	40.6	40.1	39.6	39.2	38.6	38.6	39.0	41.5	44.2	46.2	46.4	45.0	44.1	
22	41.3	40.1	40.0	40.6	40.0	39.1	38.3	37.9	38.0	39.1	41.2	43.7	45.5	46.7	45.9	44.3	
23	41.1	41.0	40.1	42.0	40.4	36.0	35.0	35.6	39.0	40.8	43.6	47.1	48.1	47.9	46.7	44.7	
24 *	41.6	41.8	41.6	41.2	40.6	39.6	38.7	38.1	38.3	39.4	41.9	44.1	46.0	46.7	45.8	44.4	
25	41.2	42.3	41.0	41.2	40.6	39.5	38.5	37.3	37.3	38.4	41.1	44.2	47.1	47.9	46.8	45.2	
26	41.0	40.9	40.2	40.9	42.0	39.8	38.5	37.4	37.4	38.3	41.2	44.2	47.4	48.8	47.8	45.8	
27	38.1	39.2	39.6	39.0	38.0	38.4	38.5	37.6	36.9	37.0	40.2	45.2	49.4	50.2	49.2	49.2	
28 *	41.0	40.9	40.9	40.7	40.3	39.6	38.6	37.8	37.3	38.0	39.5	41.7	44.1	45.7	46.0	45.7	
29	41.3	41.1	41.0	40.8	41.2	39.7	38.7	38.6	38.7	39.6	40.8	42.5	44.0	45.4	45.1	44.4	
30 **	41.0	41.0	40.9	40.2	39.5	38.7	38.6	39.1	40.1	41.9	43.7	44.9	46.9	47.2	46.1	46.6	
Mean	40.9	40.6	41.0	40.7	40.3	39.9	39.2	38.6	38.6	39.4	41.3	43.5	46.1	47.5	47.1	45.9	
Mean *	41.6	41.5	41.4	41.2	40.7	40.1	39.4	38.4	38.0	38.5	40.5	42.8	45.4	46.7	46.2	45.2	
Mean **	39.8	39.3	40.2	40.6	40.7	40.6	39.8	39.4	39.6	40.8	42.3	43.8	46.8	48.1	47.9	46.9	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
										h m		h m			
									9° + Tabular Quantities						MARCH
44.2	42.1	43.3	42.7	42.6	40.0	40.9	40.2		42.0	13 55	47.8	04 40	35.9	11.9	1 **
43.1	43.1	43.4	42.9	42.6	42.5	42.4	42.3		42.8	14 22	47.0	09 23	40.8	6.2	2
43.7	44.4	44.1	43.9	43.4	40.9	40.9	40.6		43.2	14 30	46.9	21 45	37.0	9.9	3
43.9	44.1	44.4	43.0	43.0	42.8	42.3	42.1		43.1	13 32	47.8	00 00	40.2	7.6	4
44.8	44.1	44.1	44.0	42.8	40.0	40.8	41.2		42.9	13 02	48.1	21 08	39.2	8.9	5
43.8	42.7	41.4	40.9	39.0	41.0	41.7	42.2		42.3	14 23	47.3	20 35	38.1	9.2	6
44.1	44.1	44.2	43.9	44.2	44.2	35.9	31.9		42.4	13 43	46.9	23 10	27.6	19.3	7
46.3	44.3	36.2	39.0	35.4	36.9	41.7	38.3		42.8	12 03	53.5†	20 11	30.9	22.6	8 **
44.4	42.6	42.2	42.7	41.6	38.3	39.3	40.7		42.9	12 33	50.0	21 49	30.0	20.0	9 **
44.3	31.9	34.9	37.4	35.8	35.2	36.0	35.9		41.2	14 28	51.1	17 52	12.0†	39.1	10 **
43.5	42.6	43.0	37.3	35.7	39.9	40.4	41.9		41.8	04 39	47.2	20 04	30.5	16.7	11 **
43.9	43.4	42.4	40.4	40.7	41.6	41.8	41.8		42.2	12 41	47.7	19 56	38.9	8.8	12
45.2	44.0	42.8	42.3	41.0	41.1	41.3	41.7		42.7	14 21	48.9	08 54	39.0	9.9	13
43.7	43.1	42.8	42.1	41.9	41.7	41.6	41.6		42.2	14 03	45.8	09 29	38.7	7.1	14 *
43.9	43.1	42.7	42.2	42.1	42.1	42.0	41.9		42.8	14 06	47.3	09 10	39.0	8.3	15
44.1	43.1	43.2	43.1	42.8	42.4	42.1	41.8		42.9	13 28	47.2	08 44	38.3	8.9	16 *
46.0	45.3	45.0	44.0	40.6	40.5	40.0	40.2		42.8	13 38	47.6	20 50	38.6	9.0	17
46.3	44.6	43.5	43.1	43.3	41.9	42.8	41.5		42.8	14 37	50.8	04 14	38.8	12.0	18
43.4	43.2	43.7	43.8	43.0	42.0	41.0	40.9		42.1	13 35	48.1	04 44	37.0	11.1	19
43.7	43.7	43.6	44.0	43.4	39.3	41.0	40.1		42.2	13 25	46.3	21 33	37.6	8.7	20
42.7	41.8	41.8	42.0	42.2	42.2	42.4	42.5		42.6	13 04	47.9	08 41	38.9	9.0	21
44.2	43.9	43.7	43.4	43.2	42.7	42.6	42.5		42.7	13 47	47.0	09 10	38.9	8.1	22 *
45.1	44.2	43.6	42.9	41.8	41.6	40.9	42.1		43.3	14 23	53.3	08 23	39.1	14.2	23
44.0	43.1	42.0	42.2	42.1	41.5	40.0	42.0		42.3	14 20	47.3	08 56	38.0	9.3	24
43.6	41.5	41.8	42.6	42.2	42.2	42.1	42.7		42.5	13 18	48.8	08 55	37.0	11.8	25
43.9	42.9	41.7	40.7	40.4	41.8	42.1	42.2		42.4	13 59	48.0	08 40	38.2	9.8	26 *
43.8	42.9	42.2	42.2	42.0	41.9	42.0	42.1		42.4	13 40	47.0	09 10	37.8	9.2	27 *
45.2	44.2	43.3	42.8	42.1	41.7	41.4	40.7		42.9	14 23	48.9	09 15	38.8	10.1	28
44.6	43.4	43.1	42.9	42.4	41.4	41.3	41.8		42.7	13 05	48.9	08 42	38.1	10.8	29
44.3	43.1	42.8	42.6	41.9	41.7	42.0	42.0		42.3	14 00	46.9	09 15	38.9	8.0	30
43.6	42.8	42.7	42.4	42.2	42.7	41.8	37.2		42.2	13 22	47.7	23 24	36.4	11.3	31
44.2	43.0	42.6	42.2	41.5	41.2	41.1	40.9		42.5	-	48.2	-	36.4	11.8	Mean
43.9	43.2	42.7	42.3	42.1	42.1	42.1	42.0		42.5	-	47.0	-	38.4	8.6	Mean *
44.5	40.7	39.9	39.8	38.2	38.1	39.7	39.4		42.1	-	49.9	-	27.9	22.1	Mean **
									9° + Tabular Quantities						APRIL
43.7	42.8	42.3	42.2	42.4	42.3	42.2	42.1		41.2	14 58	47.0	06 14	35.9	11.1	1
43.6	42.2	40.1	41.9	42.0	41.6	41.9	42.2		42.0	13 45	47.3	09 36	38.1	9.2	2
44.2	43.2	42.9	42.9	42.7	42.8	42.7	42.5		42.6	13 01	46.9	08 30	38.9	8.0	3
45.9	45.7	43.8	33.3	40.1	42.6	42.6	40.0		42.4	14 32	51.1	19 17	30.8	20.3	4 **
44.0	43.6	36.0	38.9	40.6	40.7	40.8	43.0		41.8	13 40	51.4	00 10	31.2	20.2	5 **
43.1	41.7	40.8	40.2	40.3	39.3	40.8	40.9		41.6	13 59	46.5	21 23	34.1	12.4	6 **
42.7	42.4	42.0	42.2	41.8	41.9	41.6	41.7		42.4	14 03	47.6	08 46	37.6	10.0	7
43.6	42.5	40.4	40.0	41.6	42.0	41.9	41.8		42.1	12 12	47.1	09 06	38.1	9.0	8
44.2	41.3	40.4	41.6	41.4	40.2	41.2	41.7		41.9	13 32	47.3	07 42	37.2	10.1	9
43.9	41.8	40.8	41.3	40.9	41.5	41.9	42.0		42.1	13 18	47.9	08 32	38.2	9.7	10 *
43.9	42.3	41.8	41.9	41.8	42.0	42.0	41.7		41.9	13 37	47.8	09 00	36.6	11.2	11 *
44.3	42.7	41.7	40.2	39.7	39.4	41.0	41.6		41.5	13 42	51.0	08 50	36.9	14.1	12
50.0	48.9	44.8	42.1	42.2	41.0	39.1	38.5		43.2	14 37	53.0	08 36	37.4	15.6	13
48.9	45.5	43.9	42.9	41.2	38.7	39.9	40.4		42.4	16 10	51.5	21 11	35.1	16.4	14 **
44.8	44.0	43.1	41.2	41.9	42.1	42.2	41.1		42.3	13 32	48.7	00 51	35.8	12.9	15
45.2	44.3	43.8	43.6	41.0	41.5	41.2	40.1		42.0	13 54	46.3	08 59	37.9	8.4	16
45.2	44.6	42.9	42.3	42.9	42.7	41.7	40.3		42.1	13 29	48.1	01 27	36.8	11.3	17
47.7	45.3	42.0	41.7	40.0	35.6	39.5	41.6		41.6	14 11	49.7	21 05	29.9	19.8	18
44.1	42.4	40.9	42.6	42.6	42.3	42.3	42.0		41.6	13 46	46.9	05 03	35.4	11.5	19
44.3	43.1	42.3	42.2	42.1	42.1	42.0	41.7		42.3	12 44	47.8	06 20	38.8	9.0	20
43.1	41.9	41.1	41.3	41.7	41.8	41.4	41.3		41.7	13 07	47.0	08 12	38.1	8.9	21 *
42.7	41.3	40.3	40.8	38.1	35.6	41.0	40.8		40.9	13 35	47.0	21 06	29.6	17.4	22
43.0	41.8	40.8	40.8	41.3	41.3	41.2	41.4		41.7	12 53	48.5	06 21	34.3	14.2	23
43.5	42.9	42.3	42.0	41.7	41.2	40.7	41.1		41.9	13 52	47.0	08 03	37.8	9.2	24 *
43.5	42.3	41.9	41.4	41.9	40.9	40.2	41.5		41.8	13 31	48.0	07 04	36.6	11.4	25
43.6	42.6	42.3	42.4	41.9	37.1	38.4	38.8		41.6	13 38	49.0	21 25	36.4	12.6	26
47.1	45.8	44.3	40.2	41.3	41.9	41.2	41.0		42.0	13 17	51.1	09 02	35.8	15.3	27
44.7	44.2	43.6	42.3	42.6	42.1	41.9	41.7		41.7	14 10	46.3	08 13	36.9	9.4	28 *
44.1	43.9	43.3	42.8	41.7	42.1	41.9	41.3		41.8	13 34	45.6	08 04	38.0	7.6	29
50.2	52.1	50.6	46.9	33.5	39.1	42.4	40.4		43.0	17 20	54.8†	20 23	25.2†	29.6	30 **
44.8	43.6	42.2	41.5	41.2	40.8	41.3	41.2		42.0	-	48.5	-	35.6	12.9	Mean
43.8	42.6	41.9	41.8	41.7	41.7	41.6	41.6		41.9	-	47.2	-	37.5	9.7	Mean *
46.4	45.7	43.0	40.4	39.1	40.1	41.3	40.9		42.2	-	51.1	-	31.3	19.8	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MAY	9° + Tabular Quantities																
1 **	40.0	40.7	40.6	34.4	36.9	35.2	36.1	38.8	38.8	41.1	44.3	45.0	47.1	46.3	45.0	45.2	
2 **	40.3	44.5	41.3	41.0	40.0	40.6	39.7	37.9	37.2	39.0	42.1	44.7	44.9	46.1	44.9	43.9	
3	39.1	39.0	41.9	39.2	39.0	39.0	39.0	38.3	37.9	38.9	41.1	44.0	46.0	47.4	45.9	45.1	
4 **	41.9	42.5	38.7	39.1	39.8	39.0	40.2	39.0	38.3	41.6	42.7	43.2	45.9	47.6	46.1	44.0	
5	38.0	39.9	39.9	40.2	43.3	39.6	38.7	37.6	38.1	38.5	39.4	41.9	43.9	44.7	44.2	43.2	
6	41.2	41.7	43.1	41.4	44.1	39.5	36.6	35.9	35.9	37.6	40.4	42.9	44.6	45.7	45.8	44.2	
7	41.9	41.8	41.8	40.8	39.4	38.2	37.8	36.9	37.4	39.9	42.1	45.2	47.1	48.2	46.2	44.1	
8	40.9	39.2	38.6	39.2	39.2	38.1	37.7	37.2	37.9	38.7	41.0	44.4	47.1	47.8	47.1	45.0	
9	40.8	41.4	41.6	42.5	39.4	37.6	36.7	37.9	36.7	38.3	42.5	45.3	48.1	47.6	47.3	46.7	
10	40.4	40.9	40.7	36.5	37.3	35.6	34.8	34.2	34.8	37.1	41.1	45.2	47.7	49.1	48.7	47.7	
11	40.9	38.0	38.3	40.0	40.0	38.2	37.1	36.6	36.4	37.9	42.1	45.7	47.4	47.0	47.6	45.9	
12	38.7	40.1	38.1	38.0	37.6	36.6	36.1	36.0	36.6	37.8	40.3	44.0	47.2	49.4	49.4	48.1	
13 **	39.3	39.4	37.3	36.7	39.0	38.9	38.0	36.7	36.6	39.2	42.1	45.2	47.3	47.8	46.8	44.9	
14	36.5	35.3	36.1	40.0	40.8	37.3	37.3	38.1	39.1	40.1	43.8	43.5	43.9	43.7	43.2	43.1	
15	39.3	40.2	39.9	40.0	40.5	40.5	39.2	37.3	37.8	39.0	41.9	44.5	46.0	45.4	44.7	43.3	
16 *	40.2	43.8	41.1	39.7	39.0	38.0	37.4	37.3	37.7	38.5	40.4	42.8	44.9	45.0	44.4	43.9	
17	40.5	40.3	40.9	41.0	40.1	39.5	39.3	38.5	37.8	39.0	41.3	44.5	46.5	48.7	49.1	48.0	
18 *	41.0	40.2	40.5	39.9	38.6	37.7	37.2	37.3	38.3	39.9	41.6	42.9	44.4	44.8	44.4	43.9	
19	41.1	40.8	40.2	40.0	39.3	37.8	37.1	37.6	39.0	39.8	42.3	44.0	45.2	44.3	43.5	42.4	
20	35.4	35.9	38.4	41.3	37.6	36.3	35.8	36.0	37.0	38.3	40.7	43.2	44.9	45.1	44.7	43.3	
21	41.9	41.0	40.7	39.7	38.7	37.0	36.6	36.7	37.7	39.7	42.9	44.7	45.9	45.4	44.7	43.6	
22 *	41.7	41.0	40.8	40.2	39.8	38.5	37.9	37.6	38.1	40.0	43.3	46.0	47.8	48.4	47.0	45.4	
23 *	41.3	41.3	41.1	40.6	39.7	37.8	36.0	35.3	36.5	39.2	43.3	46.3	47.7	47.2	45.9	44.0	
24 *	41.7	41.1	40.8	40.2	39.0	36.7	35.2	35.5	36.0	37.9	41.3	43.9	45.8	45.7	44.9	44.0	
25	41.3	41.2	40.6	40.2	38.7	36.6	35.6	35.2	36.2	38.7	41.7	45.1	47.1	49.4	48.0	45.6	
26	39.1	33.9	35.7	35.5	36.7	36.4	37.3	37.8	38.5	40.1	43.2	45.9	47.6	48.1	47.7	46.2	
27	40.1	39.8	39.6	39.3	38.7	38.8	38.5	38.3	38.7	39.7	42.3	44.8	46.3	46.9	46.9	47.1	
28	39.8	39.0	41.3	43.1	38.5	37.0	36.4	39.7	39.0	40.3	42.4	43.5	44.1	44.9	45.6	44.9	
29 **	40.2	40.8	45.6	44.1	38.0	35.0	36.3	38.8	38.9	40.3	43.0	45.1	45.3	45.8	44.2	43.5	
30	40.3	39.7	42.1	42.2	40.5	41.3	42.5	37.9	37.6	38.4	41.0	42.1	43.2	43.5	43.2	42.7	
31	40.8	40.5	40.2	39.8	38.7	38.4	38.3	37.3	37.7	39.2	41.3	42.3	44.3	44.3	44.2	43.9	
Mean	40.2	40.2	40.2	39.9	39.3	38.0	37.5	37.3	37.6	39.2	41.9	44.3	46.0	46.5	45.8	44.7	
Mean *	41.2	41.5	40.9	40.1	39.2	37.7	36.7	36.6	37.3	39.1	42.0	44.4	46.1	46.2	45.3	44.2	
Mean **	40.3	41.6	40.7	39.1	38.7	37.7	38.1	38.2	38.0	40.2	42.8	44.6	46.1	46.7	45.4	44.3	
JUNE	9° + Tabular Quantities																
1	40.6	42.3	40.2	40.1	40.8	38.3	36.4	36.3	38.1	41.7	44.3	47.0	46.6	47.0	46.3	44.0	
2	42.5	42.1	41.6	40.9	40.5	38.9	38.0	38.0	38.1	39.6	41.3	44.1	46.0	46.5	46.3	45.3	
3	41.7	40.6	40.3	40.6	40.1	38.5	38.4	37.7	37.4	38.6	41.7	44.7	47.2	48.2	46.3	44.3	
4 *	41.1	40.9	41.0	40.3	38.9	37.4	36.3	38.1	39.1	40.2	42.8	45.1	46.7	46.8	45.4	43.6	
5 *	41.1	41.0	40.7	40.4	39.0	37.3	36.4	36.4	36.4	37.8	40.6	44.2	47.6	47.5	46.8	45.5	
6	41.3	41.5	41.5	41.4	39.6	37.7	35.8	35.8	37.3	39.1	42.2	46.1	48.7	49.0	48.8	48.4	
7 **	28.0	21.2	34.8	34.7	36.4	33.0	29.8	30.3	34.0	35.9	41.4	44.7	47.4	50.3	48.4	48.8	
8	41.1	40.5	40.3	39.7	38.8	37.6	36.6	36.0	36.2	37.7	40.1	42.2	43.6	43.5	44.7	44.8	
9	36.1	38.9	39.8	40.2	39.3	38.9	36.6	35.9	36.3	37.5	40.5	43.8	45.4	46.8	47.8	47.1	
10	41.9	42.0	41.5	40.7	39.3	38.2	35.9	35.0	34.8	36.9	41.4	44.5	45.9	46.3	46.4	46.1	
11	40.5	41.6	41.8	40.6	38.7	38.9	37.1	36.3	36.7	37.4	40.6	43.8	45.3	46.3	47.0	47.4	
12	40.7	40.4	40.0	40.1	39.7	36.9	34.4	33.9	33.8	36.0	39.8	43.3	46.4	47.6	48.1	47.3	
13	39.8	40.1	40.2	37.1	37.0	37.0	36.4	35.4	35.3	35.7	38.8	42.4	45.6	46.5	46.8	46.8	
14	42.2	42.3	39.7	39.4	39.4	39.0	37.8	37.9	37.7	39.2	41.5	44.5	46.4	46.7	46.9	45.5	
15	41.3	41.6	40.7	38.8	37.2	38.2	40.4	37.9	36.9	37.0	38.7	41.0	42.3	44.1	45.0	44.8	
16 *	41.0	40.7	40.3	40.2	39.1	38.5	37.9	37.7	37.8	38.6	40.9	43.3	45.1	45.2	45.2	44.2	
17	41.6	38.9	39.1	39.1	37.9	36.4	35.1	35.3	36.0	40.1	42.2	45.1	46.1	46.9	47.6	47.4	
18 **	40.5	40.4	40.5	41.8	38.1	36.1	37.9	38.5	38.6	38.6	40.7	43.1	46.7	46.8	45.7	47.5	
19	37.1	37.3	38.6	39.4	36.8	35.3	34.9	35.6	36.5	37.9	40.1	42.8	43.8	43.9	44.0	43.3	
20	38.1	36.0	28.3	33.0	34.6	34.9	35.0	36.1	37.4	38.2	39.8	42.0	43.3	45.8	46.8	46.0	
21	41.8	40.6	39.1	38.8	39.3	39.0	37.2	36.2	36.7	38.3	40.7	43.5	45.2	46.0	45.5	45.0	
22 *	41.1	41.6	40.5	38.6	38.0	36.2	36.0	36.1	36.6	37.2	39.1	40.2	43.1	45.0	45.6	43.9	
23 *	39.8	40.1	40.2	38.8	38.4	37.1	36.4	37.1	37.7	38.6	40.7	43.1	45.8	45.8	44.9	43.4	
24	40.3	40.2	39.7	39.1	38.7	38.6	38.5	38.3	37.9	38.9	41.8	44.6	46.3	46.9	47.9	47.5	
25 **	39.6	40.0	38.3	38.0	36.6	39.9	40.8	40.6	36.8	37.9	39.4	40.6	42.8	44.5	44.4	44.7	
26 **	37.2	37.8	36.4	40.1	43.8	36.8	36.5	37.3	39.2	39.4	39.1	41.6	43.3	44.5	44.8	44.6	
27 **	39.1	38.7	40.5	41.9	42.8	39.9	38.1	38.6	36.9	37.3	39.3	41.8	44.0	45.3	46.5	44.8	
28	39.6	39.4	38.5	38.8	37.5	36.9	36.5	35.3	37.3	38.5	39.0	40.6	42.9	45.4	47.4	45.6	
29	41.0	40.8	39.7	38.4	37.7	36.6	37.3	37.3	37.4	38.9	41.5	43.1	45.0	46.6	46.2	46.0	
30	40.8	39.5	39.1	37.4	37.9	35.8	37.2	37.9	36.7	36.8	40.2	41.9	43.2	43.6	44.5	43.7	
Mean	40.0	39.6	39.4	39.3	38.7	37.5	36.7	36.6	36.9	38.2	40.7	43.3	45.3	46.2	46.3	45.6	
Mean *	40.8	40.9	40.5	39.7	38.7	37.3	36.6	37.1	37.5	38.5	40.8	43.2	45.7	46.1	45.6	44.1	
Mean **	36.9	35.6	38.1	39.3	39.5	37.1	36.6	37.1	37.1	37.8	40.0	42.4	44.8	46.3	46.0	46.1	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						MAY
										h m		h m			
43.7	41.7	42.2	42.1	42.0	39.7	40.0	39.2	41.1		02 36	50.2	03 38	32.0†	18.2	1 **
43.1	38.9	41.5	41.4	41.8	41.9	41.7	41.5	41.7		01 40	48.2	17 06	35.2	13.0	2 **
43.8	42.4	42.3	42.0	40.0	39.2	41.1	38.9	41.3		13 06	47.9	01 10	37.0	10.9	3
43.1	40.7	41.0	40.7	40.9	39.8	41.0	40.7	41.6		13 26	48.0	07 51	37.2	10.8	4 **
42.4	39.8	41.3	41.7	41.2	41.2	41.4	41.6	40.9		13 40	45.2	00 36	37.2	8.0	5
43.2	42.6	41.9	41.1	38.9	40.0	41.2	41.8	41.3		14 16	46.4	07 40	35.0	11.4	6
42.7	42.6	40.9	40.4	39.9	41.1	41.1	41.6	41.6		13 43	48.9	07 16	36.0	12.9	7
43.4	42.1	41.4	41.7	41.3	39.1	39.3	40.4	41.2		13 49	48.0	21 47	36.0	12.0	8
44.4	42.9	41.4	39.8	37.7	40.8	40.5	37.2	41.5		12 24	48.8	06 06	34.1	14.7	9
45.8	40.6	42.8	39.0	38.5	39.9	36.9	38.6	40.6		13 16	49.9	06 17	33.6	16.3	10
44.7	43.9	42.8	42.0	39.0	40.7	40.3	37.3	41.2		12 27	48.8	07 50	35.2	13.6	11
45.9	46.3	44.8	42.7	39.1	39.5	39.6	40.0	41.3		13 36	50.6	07 46	35.4	15.2	12
43.9	42.8	41.4	40.1	40.3	40.3	39.5	37.5	40.9		13 18	48.6	07 54	34.8	13.8	13 **
42.8	42.0	42.4	42.5	42.2	41.8	40.0	39.9	40.6		12 32	44.7	01 22	34.1	10.6	14
42.8	41.9	40.5	39.8	41.0	41.1	40.3	40.2	41.1		12 36	46.2	08 14	36.2	10.0	15
43.0	42.2	42.0	41.9	41.8	41.7	41.1	40.6	41.2		13 07	45.2	07 06	37.0	8.2	16 *
46.7	44.9	43.9	42.8	42.4	42.4	41.9	41.5	42.6		14 04	49.8	08 04	37.4	12.4	17
43.2	42.9	42.4	41.9	41.9	42.0	41.8	41.3	41.2		13 01	45.1	06 39	37.0	8.1	18 *
41.3	41.0	40.9	41.6	41.8	40.6	40.2	37.1	40.8		13 00	45.8	06 34	36.8	9.0	19
42.0	41.2	41.0	41.6	41.7	41.9	42.1	42.0	40.3		13 30	45.2	00 58	34.6	10.6	20
42.0	41.8	41.8	39.6	40.7	41.3	41.9	42.1	41.2		12 14	46.1	05 57	36.2	9.9	21
44.0	42.5	41.7	41.4	41.5	41.7	41.7	41.5	42.1		13 27	48.8	07 40	37.0	11.8	22 *
42.7	42.4	41.9	41.2	41.3	41.4	41.5	41.8	41.6		12 42	48.6	07 46	35.2	13.4	23 *
42.9	41.9	41.8	42.2	42.6	42.3	42.0	41.7	41.1		13 00	46.2	06 25	35.1	11.1	24 *
45.0	44.5	44.1	42.4	40.3	41.9	41.4	41.3	41.8		14 02	50.2	07 06	34.3	15.9	25
44.8	44.0	42.8	41.9	41.3	40.4	40.9	40.7	41.1		13 21	48.6	01 38	33.4	15.2	26
46.3	45.1	44.3	44.2	43.8	43.0	41.8	41.9	42.3		15 23	47.6	06 26	37.9	9.7	27
45.5	44.4	43.0	42.0	41.3	41.3	41.0	40.9	41.6		03 20	46.8	06 40	35.1	11.7	28
43.3	42.9	42.4	42.0	41.7	41.7	41.4	41.0	41.7		03 04	50.8†	05 52	32.8	18.0	29 **
42.3	41.8	41.4	40.7	41.5	41.5	41.5	41.2	41.3		13 30	44.0	08 42	36.8	7.2	30
42.0	42.3	42.8	41.9	41.0	42.3	38.3	39.7	40.9		12 48	45.3	22 11	35.9	9.4	31
43.6	42.5	42.2	41.5	41.0	41.1	40.8	40.4	41.3		-	47.6	-	35.5	12.0	Mean
43.2	42.4	42.0	41.7	41.8	41.8	41.6	41.4	41.4		-	46.8	-	36.3	10.5	Mean *
43.4	41.4	41.7	41.3	41.3	40.7	40.7	40.0	41.4		-	49.2	-	34.4	14.8	Mean **
									9° + Tabular Quantities						JUNE
42.6	42.1	41.9	41.8	41.9	41.1	41.1	42.4	41.9		11 36	47.8	06 28	35.5	12.3	1
42.8	42.1	41.5	40.4	40.9	42.1	41.7	41.9	41.8		13 09	47.0	06 45	37.2	9.8	2
42.9	41.3	41.0	41.1	41.8	41.5	41.8	41.8	41.6		13 41	48.6	08 06	37.0	11.6	3
42.4	41.6	41.0	41.2	41.2	41.5	41.7	41.6	41.5		13 06	47.2	06 23	35.5	11.7	4 *
44.2	42.3	42.0	41.6	41.9	42.0	41.8	41.9	41.5		12 48	48.1	08 19	35.9	12.2	5 *
46.8	47.1	47.3	44.4	38.7	37.8	38.3	37.1	42.2		14 05	49.1	22 51	33.9	15.2	6
45.2	44.1	39.7	41.6	42.1	40.1	40.2	40.8	38.9		13 44	51.8†	00 55	16.2†	35.6	7 **
44.1	43.0	42.4	40.3	40.0	40.9	39.0	37.1	40.4		15 34	45.3	22 09	35.3	10.0	8
45.5	43.0	41.7	40.5	40.3	40.5	40.7	41.0	41.0		14 48	48.5	08 03	34.8	13.7	9
45.5	43.4	42.4	41.8	40.8	40.0	40.9	40.6	41.3		13 58	46.8	07 08	34.2	12.6	10
46.4	43.8	41.8	41.2	41.2	41.1	40.1	40.4	41.5		15 34	48.1	07 20	35.7	12.4	11
45.6	43.5	42.1	41.6	41.4	41.4	41.5	40.8	41.1		14 32	48.2	08 08	33.3	14.9	12
45.6	44.2	42.8	41.8	41.6	41.5	41.6	41.5	40.9		14 32	47.0	08 47	35.0	12.0	13
44.7	43.9	43.5	42.9	42.8	41.5	41.6	41.1	42.0		14 46	47.4	07 23	37.0	10.4	14
44.1	43.6	42.4	41.5	39.4	39.5	41.2	41.3	40.8		14 07	45.2	04 24	36.6	8.6	15
43.1	41.7	42.2	42.5	41.9	41.8	42.1	42.4	41.4		12 49	45.5	08 31	37.3	8.2	16 *
46.4	45.8	42.7	41.1	41.4	40.3	41.6	40.3	41.4		15 45	48.6	08 06	34.1	14.5	17
46.4	45.7	44.6	41.0	38.5	38.3	36.1	34.1	41.1		16 00	48.4	23 29	32.6	15.8	18 **
43.5	44.5	45.3	42.4	43.6	42.2	41.1	41.3	40.5		18 30	45.7	06 16	33.3	12.4	19
44.7	42.3	42.4	41.4	40.8	41.7	41.7	40.8	39.6		14 53	47.3	02 34	26.0	21.3	20
44.6	44.8	44.1	43.1	42.1	41.0	40.4	40.5	41.4		13 56	46.1	06 56	35.7	10.4	21
42.5	41.5	41.0	41.4	41.2	41.0	39.9	39.6	40.3		14 16	46.0	07 38	35.3	10.7	22 *
43.0	43.1	42.5	41.7	40.4	40.1	40.7	40.3	40.8		12 35	46.0	06 02	36.0	10.0	23 *
47.4	45.9	45.3	43.4	42.4	42.1	42.0	41.5	42.3		14 54	48.2	07 53	37.8	10.4	24
44.7	43.1	42.6	43.4	41.8	32.1	37.4	32.8	40.1		16 27	45.2	21 17	24.5	20.7	25 **
44.0	42.8	42.4	42.0	41.2	41.0	39.1	39.4	40.6		04 24	46.0	00 03	27.3	18.7	26 **
44.2	43.7	42.9	39.2	39.4	40.7	40.6	41.2	41.1		14 09	47.0	06 08	35.9	11.1	27 **
44.8	43.6	40.7	41.7	41.7	41.2	40.3	40.7	40.6		14 51	48.2	07 40	34.3	13.9	28
44.7	44.2	40.5	41.0	41.8	41.4	41.2	42.2	41.3		13 43	46.9	05 51	35.7	11.2	29
43.4	44.2	42.1	38.4	40.3	41.0	41.1	41.2	40.3		15 00	45.1	05 32	34.8	10.3	30
44.5	43.5	42.5	41.6	41.2	40.6	40.6	40.3	41.0		-	47.2	-	33.8	13.4	Mean
41.0	42.0	41.7	41.7	41.3	41.3	41.2	41.2	41.0		-	46.6	-	36.0	10.6	Mean *
44.9	43.9	42.4	41.4	40.6	38.4	38.7	37.7	40.4		-	47.7	-	27.3	20.4	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JULY						9° + Tabular Quantities											
1	40.2	39.1	41.2	39.8	38.2	36.9	37.0	37.1	37.3	37.7	39.6	41.5	42.8	43.3	43.0	42.8	
2 *	40.3	40.3	39.9	39.3	38.6	37.3	35.6	35.3	35.5	36.5	38.6	42.3	45.4	46.5	46.5	45.9	
3 *	40.4	39.9	40.0	39.0	37.8	36.8	36.1	35.7	36.5	37.9	39.8	43.0	45.1	45.0	44.8	43.8	
4	41.0	40.5	39.9	40.0	39.2	37.1	35.9	35.0	35.4	37.4	39.7	42.7	45.6	45.9	47.2	46.9	
5	38.1	37.2	35.4	35.9	32.5	32.7	35.6	37.1	38.0	37.6	39.8	42.7	45.8	46.8	46.7	44.8	
6	38.3	39.9	40.8	35.8	38.0	40.2	34.9	35.8	35.9	35.2	37.1	40.5	43.8	44.7	45.3	44.5	
7	40.1	40.1	39.7	37.5	35.6	35.9	35.6	35.4	35.3	37.4	40.9	43.4	43.8	46.9	48.4	44.7	
8	38.7	40.3	42.0	39.8	39.5	39.8	39.1	36.4	36.1	35.9	38.1	40.7	44.0	46.3	47.5	46.8	
9	38.0	41.8	40.0	39.8	40.9	37.9	35.7	35.1	35.2	36.9	39.4	40.7	42.5	43.8	44.3	44.1	
10	39.7	39.0	39.8	40.6	40.8	38.7	37.8	37.3	37.4	38.1	39.6	42.6	44.2	45.9	47.0	45.5	
11	40.3	41.1	39.8	40.0	39.8	38.1	38.4	37.5	36.5	36.8	38.5	41.0	43.2	44.5	45.6	45.3	
12	38.8	38.6	38.7	39.7	38.7	38.0	37.2	38.3	38.0	39.0	39.3	39.9	41.5	43.2	44.0	43.6	
13	39.3	40.0	38.9	38.1	37.2	35.5	35.2	36.0	37.3	38.0	39.8	41.3	43.0	44.2	44.0	44.0	
14 *	39.8	39.6	39.9	39.3	39.2	38.1	37.1	36.9	37.5	38.3	40.1	42.7	44.7	45.4	46.0	45.2	
15 *	40.1	39.9	39.7	39.3	38.3	37.4	37.4	37.9	38.0	39.8	42.0	43.8	43.8	44.0	43.4	42.8	
16	41.1	40.2	39.3	36.4	35.2	33.3	34.2	36.3	36.5	37.0	38.9	42.1	43.7	43.6	43.5	43.7	
17	37.9	41.2	38.6	37.7	39.9	39.4	37.6	37.8	38.0	38.3	40.9	42.9	46.6	47.5	47.3	47.0	
18	37.4	37.7	38.6	38.2	37.8	36.4	36.2	36.0	34.6	35.8	38.8	41.6	43.3	45.3	46.6	45.9	
19	40.5	39.9	39.8	38.1	37.3	36.0	35.9	36.0	36.6	37.9	39.4	41.9	43.2	43.7	43.0	42.4	
20	40.2	39.5	39.4	38.9	37.9	35.5	35.1	35.8	37.0	38.5	40.2	41.2	42.6	44.8	46.3	45.9	
21 **	40.6	40.5	40.8	40.7	41.2	38.6	38.9	40.2	39.8	39.8	42.3	44.5	47.2	47.4	47.5	48.6	
22	40.3	40.4	39.3	39.0	38.3	36.5	37.6	41.3	40.2	39.4	39.3	41.7	43.5	44.0	43.3	45.4	
23 **	41.4	40.6	40.0	38.7	38.0	38.2	39.5	39.0	36.7	37.5	39.3	41.9	44.5	45.6	47.4	47.1	
24 **	37.8	42.3	37.3	43.5	40.0	40.2	37.7	35.7	35.8	37.0	38.2	41.8	44.5	44.7	46.5	47.2	
25	39.7	39.3	40.1	42.3	40.9	41.3	39.9	38.6	37.1	35.0	36.1	39.2	42.0	45.0	45.3	44.6	
26	37.3	37.4	39.2	39.4	39.7	36.6	34.1	35.5	37.1	38.3	39.5	41.2	43.9	44.7	44.4	44.5	
27	42.0	39.7	35.4	38.5	42.7	37.7	35.8	37.2	37.3	38.8	41.2	43.6	45.5	46.6	46.5	44.7	
28	40.0	39.6	37.4	38.0	37.5	36.0	36.5	37.0	37.5	38.2	39.9	41.5	43.7	44.2	43.5	42.8	
29 *	39.8	39.5	39.3	39.3	39.1	38.1	37.2	36.4	36.7	38.0	40.0	42.6	44.0	44.8	45.0	45.0	
30 **	36.4	36.3	38.1	42.3	39.0	34.7	35.6	35.3	36.5	36.0	37.0	40.4	44.3	47.4	46.6	45.7	
31 **	38.7	37.2	35.5	36.3	39.1	37.6	37.0	33.9	33.2	34.8	37.9	42.2	44.9	46.3	46.0	45.2	
Mean	39.5	39.6	39.2	39.1	38.6	37.3	36.7	36.7	36.8	37.5	39.4	41.9	44.1	45.2	45.6	45.0	
Mean *	40.1	39.8	39.8	39.2	38.6	37.5	36.7	36.4	36.8	38.1	40.1	42.9	44.6	45.1	45.1	44.5	
Mean **	39.0	39.4	38.3	40.3	39.5	37.9	37.7	36.8	36.4	37.0	38.9	42.2	45.1	46.3	46.8	46.8	
AUGUST						9° + Tabular Quantities											
1	40.9	37.3	41.0	40.4	37.6	37.0	37.3	35.9	36.1	37.1	39.4	42.0	43.7	45.1	44.5	44.3	
2	41.3	41.2	40.9	38.5	37.7	38.1	40.5	37.3	36.6	38.1	40.1	42.1	44.4	45.0	44.9	43.0	
3	38.5	39.8	38.6	40.1	38.2	36.9	34.3	34.4	35.0	37.1	40.3	42.8	45.2	46.2	45.5	43.1	
4	41.6	39.3	37.5	38.5	37.4	36.2	35.9	36.1	36.5	38.8	42.2	45.8	46.4	46.9	45.1	43.9	
5	38.6	39.0	40.4	40.5	37.9	36.4	34.9	35.3	35.1	37.9	40.8	44.3	45.7	46.0	46.5	45.6	
6	38.3	39.5	40.3	38.7	39.0	37.6	36.4	35.0	35.6	37.5	39.9	42.3	45.1	46.7	46.7	45.6	
7	39.6	41.3	38.0	37.0	37.9	36.9	35.7	35.4	36.3	36.6	39.2	43.4	47.1	46.3	45.6	44.2	
8	39.2	41.5	38.6	39.3	38.4	36.6	37.0	36.0	36.1	38.0	41.7	45.6	48.0	48.7	48.8	46.6	
9	39.9	40.9	39.8	38.6	41.1	36.0	35.2	33.2	32.5	35.9	39.5	43.0	45.1	46.7	46.2	44.7	
10	39.2	38.6	39.0	38.6	37.9	35.9	35.4	35.7	36.8	38.8	41.5	44.7	46.7	47.9	48.8	44.4	
11 *	40.1	40.1	39.8	39.0	38.7	37.6	37.3	36.4	37.3	39.5	42.5	46.0	47.8	47.7	46.3	43.8	
12 *	40.0	39.7	39.5	39.0	37.8	36.3	35.8	35.9	36.5	38.5	41.5	43.7	44.7	45.2	44.4	41.9	
13 *	39.3	38.6	38.6	38.5	38.1	36.7	36.0	35.7	36.4	37.7	39.9	42.1	44.0	43.7	43.1	42.2	
14 *	38.5	39.4	38.2	37.5	37.6	36.6	37.0	37.6	38.6	40.2	42.5	43.8	44.3	44.1	43.4	42.2	
15	39.5	39.4	38.8	38.7	38.2	37.3	36.7	36.7	37.5	38.5	40.9	43.4	46.4	47.0	45.2	43.0	
16 *	39.3	38.6	39.6	37.7	37.3	35.7	35.3	35.4	37.1	39.1	42.2	45.6	46.7	45.7	45.0	43.0	
17	39.9	39.0	37.8	37.9	37.1	36.7	36.3	37.3	38.1	40.0	42.2	45.3	47.0	46.1	44.1	41.9	
18 **	39.9	40.0	41.7	38.5	36.5	35.1	36.3	36.6	38.2	44.2	44.1	43.7	47.5	50.3	48.1	43.6	
19 **	39.8	39.6	38.4	39.4	38.0	36.4	35.4	35.6	37.0	38.6	40.9	43.2	44.2	45.0	44.9	42.5	
20 **	28.2	41.9	46.1	38.0	41.2	42.7	42.0	41.5	37.8	37.7	40.1	42.8	41.8	42.9	42.0	41.9	
21 **	41.8	38.2	40.5	40.6	38.5	37.5	37.0	40.3	41.9	41.4	41.3	42.1	43.0	42.5	42.4	40.4	
22	38.3	38.5	39.5	39.5	39.0	37.8	38.3	39.2	39.8	39.7	42.1	43.8	45.8	46.9	43.9	42.3	
23	35.2	34.3	36.1	38.0	43.8	41.1	42.1	38.5	37.7	39.3	41.9	43.5	44.5	45.8	44.9	43.2	
24	39.1	40.0	35.9	36.4	38.0	36.6	36.2	36.0	36.1	37.6	39.9	42.0	44.6	45.8	44.2	42.4	
25	39.0	38.7	38.2	39.1	37.2	37.4	36.1	35.8	35.7	37.6	39.8	42.0	44.3	45.5	44.7	43.7	
26	39.1	39.8	37.4	37.4	37.6	37.5	37.2	36.1	36.4	38.3	39.3	41.9	44.0	44.4	44.6	42.7	
27	37.7	38.3	38.0	38.0	37.8	37.3	37.2	37.1	37.9	39.0	41.8	44.2	45.1	45.5	46.3	43.5	
28 **	42.3	40.0	38.4	36.7	37.0	36.8	38.0	37.5	37.9	39.3	42.0	45.3	46.4	44.3	42.8	41.7	
29	38.5	38.8	39.7	37.5	36.5	36.2	36.4	36.7	37.9	39.8	43.5	45.8	46.0	46.1	44.8	42.5	
30	38.9	37.4	37.0	37.4	36.9	36.9	36.2	36.1	37.2	38.8	40.2	42.1	43.2	44.6	43.4	42.0	
31	39.4	39.7	39.0	37.3	37.4	35.8	36.1	37.0	37.1	38.8	40.4	42.4	46.0	46.5	46.4	44.7	
Mean	39.1	39.3	39.1	38.5	38.2	37.1	36.8	36.6	37.0	38.7	41.1	43.6	45.3	45.8	45.1	43.2	
Mean *	39.4	39.3	39.1	38.3	37.9	36.6	36.3	36.2	37.2	39.0	41.7	44.2	45.5	45.3	44.4	42.6	
Mean **	38.4	39.9	41.0	38.6	38.2	37.7	37.7	38.3	38.6	40.2	41.7	43.4	44.6	45.0	44.0	42.0	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						JULY
										h m		h m			
43.0	42.3	41.6	41.3	41.3	41.0	40.9	40.7	40.4		13 31	43.6	05 48	35.7	7.9	1
44.4	42.7	41.7	41.0	40.9	41.1	41.3	40.8	40.7		14 43	46.8	06 54	34.9	11.9	2 *
42.7	42.0	42.2	41.9	41.9	41.7	41.9	41.4	40.7		12 49	45.6	07 31	35.3	10.3	3 *
45.3	45.4	43.7	39.9	35.5	36.2	32.7	37.9	40.3		15 04	47.5	22 36	29.3	18.2	4
44.4	43.5	42.1	41.8	41.5	40.5	37.0	35.7	39.7		14 22	47.9	04 58	31.5	16.4	5
43.2	42.2	40.6	39.4	40.2	40.7	40.2	40.3	39.9		14 55	45.7	06 56	33.1	12.6	6
44.4	43.3	42.8	42.7	42.2	41.7	40.2	39.4	40.7		14 26	49.0	07 52	33.6	15.4	7
45.4	44.9	43.9	42.3	41.3	39.6	34.7	35.4	40.8		14 39	48.1	23 07	34.0	14.1	8
44.1	42.9	42.1	41.8	40.2	38.9	40.0	40.7	40.3		16 22	45.0	07 46	34.0	11.0	9
43.5	42.5	42.0	41.0	40.2	38.5	38.1	38.9	40.8		15 02	47.1	07 16	36.6	10.5	10
44.6	42.7	41.8	41.2	39.9	40.4	39.3	39.3	40.7		14 58	45.9	08 33	35.8	10.1	11
43.3	43.7	43.7	42.6	41.9	41.6	40.9	40.4	40.6		18 14	44.2	06 36	36.8	7.4	12
43.1	41.9	41.0	40.7	41.2	40.8	40.7	40.4	40.1		13 46	44.3	06 04	34.3	10.0	13
43.8	42.7	42.0	42.4	42.3	42.1	41.7	41.1	41.2		14 44	46.2	07 01	36.5	9.7	14 *
42.3	42.1	42.2	42.0	41.8	41.8	41.4	40.9	40.9		13 19	44.2	05 01	36.9	7.3	15 *
43.4	43.5	42.7	42.8	42.5	42.2	41.4	39.9	40.1		15 46	44.3	05 33	32.8	11.5	16
44.3	41.9	41.3	41.7	41.5	41.5	40.8	37.3	41.2		15 54	48.1	00 40	36.4	11.7	17
43.2	43.3	43.6	43.2	42.6	41.7	38.7	38.3	40.2		14 33	46.9	08 43	33.8	13.1	18
41.8	41.4	40.6	38.6	40.0	40.7	41.0	40.2	39.8		13 22	44.0	06 17	34.9	9.1	19
45.2	44.1	44.0	42.5	41.4	41.0	40.2	40.2	40.7		15 09	46.7	06 01	34.5	12.2	20
44.7	43.9	42.0	39.2	39.3	40.2	41.3	40.9	42.1		15 48	50.7†	19 51	34.1	16.6	21 **
44.6	41.1	41.4	41.5	41.0	40.9	40.5	40.3	40.9		15 48	46.0	05 57	35.6	10.4	22
46.3	45.2	42.1	41.8	38.7	39.5	38.3	38.2	41.1		14 14	48.9	22 02	35.7	13.2	23 **
45.4	42.6	42.0	41.7	41.7	38.5	39.3	39.4	40.9		01 43	48.8	08 04	33.6	15.2	24 **
42.9	40.2	40.2	40.8	40.7	38.4	37.8	38.0	40.2		14 14	45.9	09 21	34.7	11.2	25
43.4	42.0	41.1	39.2	39.6	38.1	39.7	39.6	39.8		14 06	45.3	06 52	33.2	12.1	26
42.6	42.0	41.6	41.1	40.9	39.8	39.3	38.3	40.8		14 11	47.1	02 24	33.6	13.5	27
41.7	41.3	41.1	40.6	40.5	40.4	40.2	40.0	40.0		13 18	44.6	05 45	35.6	9.0	28
44.4	43.7	43.1	41.5	40.7	39.7	39.7	38.2	40.7		15 09	45.4	07 38	36.0	9.4	29 *
45.4	44.3	42.8	39.9	30.8	34.8	38.1	38.9	39.4		14 00	47.9	20 25	27.8†	20.1	30 **
43.9	43.1	41.7	41.3	40.7	39.9	39.5	40.7	39.9		13 26	46.7	08 13	32.8	13.9	31 **
43.9	42.9	42.1	41.3	40.5	40.1	39.6	39.4	40.5		-	46.4	-	34.3	12.1	Mean
43.5	42.6	42.2	41.8	41.5	41.2	41.2	40.5	40.8		-	45.6	-	35.9	9.7	Mean *
45.1	43.8	42.1	40.8	38.2	38.6	39.3	39.6	40.7		-	48.6	-	32.8	15.8	Mean **
									9° + Tabular Quantities						AUGUST
43.0	41.3	41.9	39.5	38.6	37.5	39.3	39.3	40.0		15 03	45.9	07 27	35.2	10.7	1
41.4	40.4	39.5	37.6	35.1	38.0	40.1	40.2	40.1		14 04	45.4	20 34	32.8	12.6	2
42.1	42.2	41.9	40.6	38.4	38.7	39.4	40.8	40.0		13 21	46.9	08 10	33.8	13.1	3
41.0	40.7	40.6	40.1	37.1	38.4	38.8	39.2	40.2		13 27	47.8	06 30	35.2	12.6	4
44.1	43.0	42.4	41.3	37.9	36.8	37.2	38.5	40.3		14 41	46.7	08 11	33.8	12.9	5
43.8	40.1	40.3	40.9	40.7	36.5	37.7	39.2	40.1		13 52	46.9	07 24	34.1	12.8	6
42.3	41.0	40.0	40.2	40.2	40.3	40.0	39.3	40.2		12 31	47.6	06 49	33.7	13.9	7
44.2	41.2	39.5	39.3	39.8	39.4	39.6	39.6	40.9		14 21	49.3	07 55	35.5	13.8	8
42.4	40.9	39.5	40.2	40.2	40.2	39.7	39.3	40.0		14 01	47.2	08 43	31.8	15.4	9
43.3	41.5	40.2	40.9	40.7	40.8	40.3	40.4	40.8		14 24	49.1	06 19	34.9	14.2	10
41.8	40.3	39.6	40.9	40.4	39.4	40.4	40.5	41.0		12 44	48.1	07 42	36.0	12.1	11 *
40.2	39.5	39.6	40.8	39.5	40.2	40.2	40.1	40.0		13 26	45.2	06 21	35.4	9.8	12 *
41.4	41.2	41.6	41.3	40.5	40.6	40.3	39.3	39.9		12 44	44.1	07 02	35.5	8.6	13 *
41.2	40.5	41.5	41.8	41.3	41.0	40.7	40.0	40.4		12 20	44.6	05 36	36.2	8.4	14 *
41.9	41.2	40.0	38.8	39.9	35.4	35.6	38.9	40.0		13 19	47.9	21 30	33.7	14.2	15
41.7	40.7	40.7	40.1	41.1	40.7	40.6	40.1	40.4		12 54	47.1	07 06	35.0	12.1	16 *
40.6	40.1	41.3	41.6	37.6	37.4	37.5	39.8	40.1		12 25	47.6	20 40	34.1	13.5	17
40.8	39.8	39.2	39.5	38.9	35.2	35.7	39.6	40.5		13 38	52.1†	21 54	30.1	22.0	18 **
42.9	42.8	34.3	32.4	33.5	31.5	31.3	28.5	38.2		14 02	45.8	23 47	23.8	22.0	19 **
37.3	39.8	40.5	40.3	39.3	36.5	37.3	39.2	40.0		02 19	48.8	00 45	22.8†	26.0	20 **
40.7	40.0	40.3	40.2	38.6	39.1	37.6	37.0	40.1		00 13	45.4	06 04	35.8	9.6	21 **
40.7	39.4	40.0	40.3	39.5	39.4	37.7	35.6	40.3		13 12	47.9	23 58	34.9	13.0	22
41.9	40.3	39.9	41.9	39.7	39.2	39.0	37.7	40.4		14 03	46.0	01 46	32.1	13.9	23
40.9	40.1	39.5	39.2	38.8	39.5	39.4	39.2	39.5		13 45	46.2	02 52	34.6	11.6	24
42.4	41.9	41.5	40.8	38.2	36.9	37.4	37.5	39.6		13 48	46.0	08 03	34.6	11.4	25
41.9	42.1	40.5	41.2	41.5	40.8	39.5	37.7	40.0		14 01	46.0	07 49	34.9	11.1	26
41.5	42.0	41.7	41.6	35.4	39.1	38.3	39.4	40.2		14 32	47.6	20 19	31.3	16.3	27
41.2	38.4	31.1	36.3	38.0	34.9	36.2	39.3	39.2		12 22	48.2	18 38	25.7	22.5	28 **
41.1	41.0	41.1	40.6	39.2	38.0	40.1	38.0	40.2		12 22	47.9	04 37	35.4	12.5	29
39.8	39.7	39.7	36.3	38.5	40.6	40.4	39.6	39.3		12 58	45.1	19 47	34.9	10.2	30
35.5	36.0	40.7	41.2	40.9	40.0	37.5	38.7	39.8		14 38	47.8	16 27	31.8	16.0	31
41.5	40.6	40.0	39.9	39.0	38.5	38.5	38.8	40.0		-	47.0	-	33.2	13.8	Mean
41.3	40.4	40.6	41.0	40.6	40.4	40.4	40.0	40.3		-	45.8	-	35.6	10.2	Mean *
40.6	40.2	37.1	37.7	37.7	35.4	35.6	36.7	39.6		-	48.1	-	27.6	20.4	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
SEPTEMBER	9° + Tabular Quantities																
1	38.2	37.3	37.1	38.2	36.6	35.1	34.8	34.8	36.1	39.5	42.8	45.1	47.2	45.7	43.4	42.5	
2 *	39.5	39.2	38.3	38.2	37.8	37.3	36.9	36.8	37.2	39.2	42.0	43.8	43.9	42.9	41.3	40.7	
3	38.4	35.7	37.0	37.0	37.3	36.3	37.0	36.9	37.5	39.9	42.8	46.2	47.0	45.8	43.9	40.6	
4 *	39.1	39.3	38.9	39.0	38.0	37.3	36.8	36.9	37.2	38.3	40.7	42.7	43.8	43.7	42.4	41.0	
5	39.1	39.8	37.4	37.7	37.5	37.1	37.0	36.6	37.5	39.1	41.8	43.4	44.9	45.3	44.8	43.7	
6 *	35.2	35.4	37.9	37.8	37.4	36.9	36.5	36.5	37.7	39.0	40.9	42.3	44.7	45.2	44.8	43.1	
7 *	38.1	38.8	39.4	39.0	38.7	38.0	37.3	36.9	37.3	38.7	40.9	43.3	45.0	45.1	43.9	42.9	
8	38.4	38.7	39.9	39.2	35.4	34.7	36.0	35.5	35.0	36.2	40.2	45.2	50.8	48.6	47.0	44.0	
9	39.0	38.9	40.4	40.2	37.9	36.9	36.6	35.1	35.7	36.9	40.7	44.2	46.9	48.3	44.7	42.9	
10	38.7	38.4	38.0	39.0	37.6	37.6	37.2	37.2	38.1	38.3	40.7	42.7	44.6	44.6	43.1	42.6	
11	39.1	40.6	36.9	38.0	36.0	37.1	37.1	37.1	37.1	38.5	41.9	43.4	43.6	44.5	44.0	42.5	
12	37.9	41.0	37.2	36.7	36.3	36.9	37.9	37.7	37.6	39.6	42.0	43.7	45.1	44.8	43.5	42.5	
13 *	39.4	39.6	38.5	38.1	37.8	37.5	37.1	36.5	36.7	37.8	40.0	42.8	44.5	44.6	43.4	41.6	
14 **	37.6	36.5	35.9	34.8	37.8	39.1	43.9	41.7	37.8	42.2	45.7	49.2	50.5	51.7	49.3	48.7	
15	38.6	41.0	39.0	37.1	37.2	38.9	38.4	37.6	35.8	37.7	40.8	43.1	45.7	47.9	46.2	44.9	
16	36.9	37.5	36.0	37.7	39.8	38.4	36.5	37.7	37.5	38.9	42.1	44.5	46.2	45.2	43.8	37.3	
17	32.9	40.9	40.5	38.7	39.4	39.0	44.0	45.3	42.0	39.0	41.0	43.8	44.5	44.4	43.1	40.2	
18	37.3	37.3	39.1	37.8	36.8	37.0	36.6	35.7	36.0	38.1	41.9	44.5	46.0	46.2	45.1	44.1	
19	38.7	37.4	38.5	38.0	40.8	40.5	40.7	38.4	37.2	39.6	43.7	46.6	47.7	49.2	47.2	43.9	
20	40.3	41.2	39.1	37.9	38.1	39.2	39.9	37.6	37.7	38.4	40.1	43.0	44.6	46.8	46.6	43.6	
21	32.9	34.5	33.6	35.9	38.7	37.0	36.9	36.0	36.0	36.8	39.8	42.1	44.0	44.8	48.0	49.2	
22 **	37.0	36.1	32.3	31.4	34.2	58.6	44.3	41.0	44.9	36.6	38.1	40.5	43.3	42.7	41.2	40.2	
23 **	0.5	6.0	5.6	12.4	29.6	29.0	35.3	35.0	35.7	38.5	40.3	42.4	43.6	41.3	39.0	38.1	
24	37.8	37.3	37.2	37.0	37.1	37.1	37.4	36.0	35.1	35.5	37.1	39.4	41.4	41.7	42.0	42.9	
25 **	21.5	30.8	16.6	18.4	29.5	33.9	36.0	35.3	34.5	35.9	37.5	40.8	42.9	44.3	43.4	42.0	
26	39.0	38.6	37.8	38.3	46.6	41.2	38.9	35.1	35.4	36.5	38.5	41.4	43.5	44.4	42.7	41.9	
27	35.2	36.8	38.4	40.0	38.0	37.8	37.6	37.0	36.3	37.4	39.1	40.9	42.5	43.1	42.0	42.0	
28 **	27.4	31.7	35.3	35.4	32.2	37.9	38.6	39.3	39.0	37.5	38.8	39.9	42.4	39.3	40.9	35.7	
29	37.4	39.0	37.9	38.5	38.6	38.5	38.4	37.1	36.2	36.9	37.7	40.4	41.0	42.2	43.2	40.5	
30	36.0	37.9	37.2	36.0	37.1	36.9	36.8	37.1	36.9	37.7	39.1	41.0	41.8	41.9	41.5	40.9	
Mean	35.6	36.8	35.9	36.1	37.2	38.0	37.9	37.2	37.2	38.1	40.6	43.1	44.8	44.9	43.8	42.2	
Mean *	38.3	38.5	38.6	38.4	37.9	37.4	36.9	36.7	37.2	38.6	40.9	43.0	44.4	44.3	43.2	41.9	
Mean **	24.8	28.2	25.1	26.5	32.7	39.7	39.6	38.5	38.4	38.1	40.1	42.6	44.5	43.9	42.8	40.9	
OCTOBER	9° + Tabular Quantities																
1 *	38.7	38.7	38.7	38.9	38.0	37.9	37.4	36.6	36.0	36.8	39.3	41.4	42.3	42.0	41.3	39.6	
2 *	39.1	39.2	39.0	38.7	38.6	38.2	37.6	36.7	36.0	36.9	39.0	41.2	42.3	43.1	42.8	41.6	
3 *	38.2	38.8	39.0	38.9	38.8	38.3	37.7	36.6	35.7	36.7	38.2	41.7	44.3	45.1	44.1	42.0	
4	38.7	38.9	39.9	39.6	37.3	37.0	36.9	36.2	35.9	36.8	38.7	39.9	43.0	45.5	46.7	45.7	
5	38.5	38.0	37.7	38.2	38.1	38.0	37.9	36.9	35.0	36.0	39.3	40.6	42.7	44.1	44.1	43.6	
6	38.3	37.9	38.5	37.5	38.6	37.9	37.7	36.5	35.1	35.5	37.5	40.2	43.0	44.0	43.2	41.7	
7	38.0	38.3	38.0	38.3	38.9	38.8	38.1	37.8	36.0	35.4	36.7	39.0	41.7	43.6	43.9	44.0	
8	36.0	36.0	36.2	40.9	39.1	37.6	37.5	37.4	36.1	36.6	37.8	41.8	42.7	43.7	42.9	43.3	
9	38.0	37.9	37.7	37.4	37.8	38.2	38.8	37.9	36.6	36.1	37.9	40.3	42.2	43.1	42.2	41.3	
10	35.8	37.4	38.0	37.7	38.1	38.4	38.7	38.3	37.4	37.7	38.7	40.5	41.8	42.9	43.6	42.5	
11	36.8	36.9	37.5	37.6	38.4	38.7	38.7	38.6	41.3	39.3	41.4	44.3	47.5	44.3	43.8	40.2	
12 **	34.0	34.4	28.7	32.9	37.0	36.8	39.5	39.1	38.8	39.2	41.4	44.2	45.7	42.2	46.0	44.7	
13	39.0	38.8	38.4	39.5	40.6	40.4	39.3	37.6	37.5	35.9	36.8	39.0	40.1	40.6	41.1	39.3	
14 **	32.2	27.8	35.7	35.8	38.1	39.4	43.5	43.0	39.9	39.2	41.2	42.3	42.5	43.8	39.9	39.5	
15	38.8	41.2	39.6	38.8	38.9	40.1	38.2	37.7	36.8	37.0	40.4	42.3	42.6	44.6	42.8	41.7	
16	39.0	37.9	36.5	39.9	38.0	37.7	39.6	41.3	40.4	40.0	40.1	42.6	44.4	45.5	43.5	41.6	
17	39.2	38.5	38.2	38.1	38.9	39.5	38.8	38.0	36.8	36.4	38.3	41.6	42.2	42.1	41.1	40.0	
18	36.9	37.7	38.4	39.0	37.1	37.2	37.4	37.8	38.0	37.7	38.0	41.0	42.5	42.0	41.2	39.4	
19	37.0	37.4	37.7	39.3	37.9	37.8	38.5	38.7	38.4	38.7	40.8	42.7	43.7	44.2	43.3	41.9	
20	35.3	36.7	37.0	35.8	37.5	38.3	37.9	38.1	37.2	37.1	40.4	44.2	46.8	45.5	46.3	43.3	
21	34.8	35.5	35.5	35.5	37.4	39.8	39.8	38.3	36.5	36.6	38.8	40.5	42.5	43.0	42.6	41.5	
22 *	38.5	38.6	38.9	39.4	38.5	38.5	38.5	38.0	36.4	35.6	37.0	40.5	43.0	45.0	46.0	43.4	
23	38.3	38.5	38.7	38.9	38.9	39.0	38.7	38.2	37.0	36.1	37.3	40.5	43.6	44.0	43.0	41.8	
24 **	32.6	27.8	26.5	27.9	35.8	36.3	37.7	39.2	41.2	40.0	43.3	39.4	44.0	45.3	45.1	46.0	
25	37.6	40.4	35.9	36.6	36.7	39.3	38.7	37.1	36.0	35.7	36.6	38.0	40.9	41.9	41.9	41.5	
26	37.4	37.7	39.8	38.3	37.8	37.6	38.0	37.6	36.7	36.7	38.7	41.8	42.3	42.1	41.6	40.6	
27 *	37.6	38.0	37.7	37.8	38.1	38.1	38.0	37.5	36.5	36.4	38.0	39.5	41.3	42.4	41.8	40.7	
28	38.5	38.5	38.2	38.1	38.2	38.1	37.8	37.4	36.5	36.7	38.7	39.5	40.7	41.3	40.9	39.8	
29 **	34.2	36.3	39.5	37.6	38.7	39.7	40.7	40.0	40.4	40.2	40.0	40.9	42.2	42.6	43.8	41.9	
30 **	33.9	43.1	41.6	41.4	42.1	40.5	41.9	39.7	37.5	36.3	35.8	38.2	39.8	40.3	40.1	39.8	
31	37.5	37.7	37.8	38.1	38.1	37.9	37.8	37.3	35.9	35.4	37.2	40.7	42.8	42.2	41.2	40.0	
Mean	37.0	37.4	37.4	37.8	38.3	38.4	38.6	38.1	37.3	37.1	38.8	41.0	42.8	43.3	43.0	41.7	
Mean *	38.4	38.7	38.7	38.7	38.4	38.2	37.8	37.1	36.1	36.5	38.3	40.9	42.6	43.5	43.2	41.5	
Mean **	33.4	33.9	34.4	35.1	38.3	38.5	40.7	40.2	39.6	39.0	40.3	41.0	42.8	42.8	43.0	42.4	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						SEPTEMBER
										h m		h m			
41.4	39.7	39.2	39.4	39.5	38.5	39.3	39.9	39.6		13 02	47.9	07 54	33.8	14.1	1
39.5	39.6	39.8	37.7	38.1	36.1	37.1	38.9	39.2		11 41	44.1	21 38	34.2	9.9	2 *
40.2	39.7	40.0	40.1	38.0	39.4	39.0	39.0	39.8		12 30	47.4	01 35	34.9	12.5	3
40.0	39.6	39.9	39.9	39.6	38.8	36.7	37.1	39.4		13 08	44.2	23 03	35.7	8.5	4 *
43.0	42.8	41.7	40.7	39.6	37.0	37.2	39.6	40.2		13 37	46.0	00 03	35.9	10.1	5
41.3	40.0	40.0	40.1	39.4	37.5	37.6	37.4	39.4		14 16	45.7	00 39	34.1	11.6	6 *
42.0	41.0	41.3	41.2	39.3	36.7	36.2	37.3	39.9		12 48	45.6	22 39	35.9	9.7	7 *
41.6	39.5	39.5	40.0	39.7	39.3	39.1	38.9	40.1		12 42	51.9	04 43	33.2	18.7	8
41.7	41.1	41.1	41.0	39.8	38.2	38.9	38.7	40.2		13 20	49.3	07 16	34.1	15.2	9
42.2	41.8	41.6	41.5	41.3	39.9	34.4	35.7	39.9		12 40	45.6	22 46	31.6	14.0	10
43.0	39.9	38.5	31.9	36.7	38.0	36.9	38.4	39.2		13 16	45.7	19 24	23.1	22.6	11
41.4	40.0	40.6	40.2	39.5	37.3	38.9	38.9	39.9		12 57	45.7	02 46	35.3	10.4	12
40.8	41.0	41.2	41.2	40.8	38.8	37.8	38.6	39.8		12 58	44.8	23 03	33.6	11.2	13 *
39.4	40.7	32.4	31.5	37.5	39.8	38.4	37.9	40.8		14 01	54.9	18 29	23.8	31.1	14 **
42.2	34.6	34.3	29.6	34.7	34.3	34.9	38.5	38.9		13 35	49.3	19 11	25.3	24.0	15
37.7	38.7	35.5	28.5	36.8	36.2	35.0	36.8	38.4		13 05	47.9	19 00	22.5	25.4	16
39.5	39.2	25.5	33.9	38.8	38.5	38.3	38.9	39.6		06 49	47.8	18 41	22.7	25.1	17
37.1	38.0	39.2	39.0	39.0	39.3	39.0	39.0	39.5		13 20	47.0	16 43	33.8	13.2	18
40.5	36.0	35.4	38.2	34.5	37.7	38.2	39.0	40.3		13 37	49.7	20 23	30.9	18.8	19
42.3	41.7	40.6	39.2	36.9	36.0	35.5	34.0	40.0		13 27	48.0	23 02	32.9	15.1	20
47.7	42.7	37.9	43.5	39.4	39.6	40.0	39.4	39.9		14 31	51.5	18 19	26.1	25.4	21
40.2	40.0	39.7	37.2	35.0	36.4	37.4	30.2	39.1		05 32	69.4†	21 15	8.5	60.9	22 **
36.7	38.5	39.7	40.0	39.8	39.1	38.4	38.1	32.6		12 24	45.7	02 45	-15.4†	61.1	23 **
40.9	40.1	39.6	33.5	34.0	29.6	29.5	19.3	36.6		15 34	43.6	23 45	15.2	28.4	24
40.5	36.8	37.9	37.0	36.5	37.2	36.8	37.2	35.1		13 23	45.4	02 38	13.1	32.3	25 **
39.2	30.3	37.9	40.2	38.8	37.7	33.7	34.5	38.8		04 31	49.0	17 06	27.5	21.5	26
40.9	39.3	39.6	39.1	25.8	37.1	31.4	21.1	37.4		13 18	44.0	23 44	16.0	28.0	27
37.7	37.9	33.8	35.3	37.7	34.1	42.3	39.7	37.1		12 53	44.8	00 00	19.2	25.6	28 **
40.4	39.6	34.9	35.1	37.3	38.2	36.1	37.0	38.4		14 26	44.1	18 33	30.5	13.6	29
40.2	39.7	39.6	39.4	39.3	39.0	38.8	38.7	38.8		13 39	42.7	01 08	35.2	7.5	30
40.7	39.3	38.3	37.8	37.8	37.5	37.1	36.6	38.9		-	47.6	-	26.8	20.8	Mean
40.7	40.2	40.4	40.0	39.4	37.6	37.1	37.9	39.6		-	44.9	-	34.7	10.2	Mean *
38.9	38.8	36.7	36.2	37.3	37.3	38.7	36.6	37.0		-	52.0	-	9.8	42.2	Mean **
									9° + Tabular Quantities						OCTOBER
38.4	38.5	38.4	38.7	38.4	38.2	38.4	39.0	38.8		13 04	42.5	08 13	35.5	7.0	1 *
40.3	39.6	39.2	38.5	38.5	39.0	37.8	38.1	39.2		13 06	43.7	08 39	35.6	8.1	2 *
40.6	39.7	39.3	38.7	37.5	37.8	38.5	38.9	39.4		13 20	45.4	08 09	35.5	9.9	3 *
44.2	41.0	39.6	39.0	38.8	38.3	37.7	37.6	39.7		14 48	47.1	09 06	35.2	11.9	4
41.9	41.2	39.5	35.0	38.6	37.4	36.6	38.2	39.0		13 34	44.8	19 25	33.2	11.6	5
40.3	40.5	40.6	39.8	39.4	38.6	37.9	37.5	39.1		13 58	44.3	08 39	34.8	9.5	6
43.8	43.1	41.9	40.9	40.1	34.9	26.1	33.3	38.8		17 03	44.5	22 07	21.2	23.3	7
36.3	38.8	41.5	40.6	39.5	38.1	38.2	38.2	39.0		12 47	44.3	16 27	33.0	11.3	8
40.5	40.7	40.0	39.7	38.9	38.2	38.4	36.2	39.0		13 06	43.4	08 26	35.6	7.8	9
41.2	40.9	39.6	38.8	36.9	34.4	34.8	36.2	38.8		14 47	44.6	21 43	33.6	11.0	10
34.8	36.8	38.4	37.7	37.9	38.8	33.8	35.0	39.1		12 34	49.1	22 31	27.4	21.7	11
32.4	32.0	38.8	39.2	23.7	33.4	38.8	40.4	37.6		12 42	47.9	20 41	15.2	32.7	12 **
39.4	38.9	37.0	32.2	36.7	33.9	33.8	32.9	37.9		14 04	42.0	23 16	30.0	12.0	13
37.1	33.7	36.0	36.7	35.7	37.3	37.7	38.6	38.2		06 18	45.3	01 08	25.7	19.6	14 **
40.1	40.2	38.4	34.1	36.8	36.2	35.9	33.6	39.0		13 38	45.9	22 07	31.0	14.9	15
38.8	32.7	35.8	37.7	38.2	38.1	37.8	37.9	39.4		13 24	46.4	17 24	29.5	16.9	16
38.3	38.3	37.9	38.4	38.6	38.5	38.4	37.9	38.9		11 36	42.8	09 16	36.0	6.8	17
39.2	38.5	37.9	38.2	38.1	37.9	36.8	37.3	38.6		12 15	43.0	22 24	35.9	7.1	18
40.4	39.1	38.6	38.2	38.0	36.2	37.1	35.8	39.2		13 37	44.4	23 44	34.4	10.0	19
42.7	39.9	37.7	37.1	35.7	33.6	29.9	30.9	38.5		13 05	48.2	22 37	24.7	23.5	20
40.0	39.5	39.2	38.8	38.6	38.2	38.2	38.4	38.7		13 49	43.4	03 54	33.1	10.3	21
41.6	40.7	40.0	39.5	39.2	38.6	38.5	38.2	39.7		13 54	46.9	09 44	35.4	11.5	22 *
40.8	40.2	39.7	40.0	40.6	38.8	38.9	38.4	39.6		12 56	45.0	08 58	35.9	9.1	23
42.6	40.4	41.0	38.6	38.1	33.6	31.5	34.4	37.8		14 47	46.9	02 45	24.0	22.9	24 **
40.4	40.0	39.4	39.4	36.0	33.1	35.8	37.7	38.2		01 14	44.3	21 48	32.6	11.7	25
40.4	38.7	39.0	39.0	38.5	37.9	37.9	38.0	38.9		11 31	43.0	01 03	35.6	7.4	26
39.5	39.4	38.5	36.7	37.5	38.4	38.5	38.5	38.6		13 27	42.8	19 52	33.7	9.1	27 *
39.1	38.1	34.1	35.4	36.9	36.7	35.3	35.7	37.9		13 44	41.5	19 02	29.2	12.3	28
26.3	20.3	28.9	24.1	14.2	17.1	23.4	29.0	34.3		22 15	49.9	20 54	4.2†	45.7	29 **
39.3	38.7	38.5	38.0	37.8	37.9	37.6	37.5	39.1		00 42	51.2†	00 10	9.2	42.0	30 **
40.0	39.7	39.1	38.0	38.0	37.8	37.9	37.9	38.6		11 59	43.8	08 55	34.5	9.3	31
39.4	38.4	38.5	37.6	36.8	36.4	36.1	36.7	38.7		-	45.1	-	30.0	15.1	Mean
40.1	39.6	39.1	38.4	38.2	38.4	38.3	38.5	39.1		-	44.3	-	35.1	9.1	Mean *
35.5	33.0	36.6	35.3	29.9	31.9	33.8	36.0	37.4		-	48.2	-	15.7	32.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
NOVEMBER						9° + Tabular Quantities											
1	38.0	37.7	37.2	37.6	37.1	37.3	37.9	37.5	35.8	35.3	37.1	40.3	41.6	42.8	42.7	42.4	
2	37.0	37.4	38.2	38.2	37.0	38.0	37.9	37.0	36.0	36.5	39.1	42.2	44.2	44.5	43.7	42.8	
3	39.4	39.9	37.4	37.0	39.9	38.8	38.8	38.3	36.9	37.1	38.3	40.7	42.7	42.6	41.7	40.9	
4	37.9	38.3	38.9	38.8	38.8	39.9	38.0	36.9	36.0	36.3	38.2	40.4	42.0	41.7	40.9	40.1	
5 *	37.2	38.0	38.4	38.7	38.9	38.7	38.3	37.5	36.4	36.4	37.7	40.0	41.7	42.2	41.2	40.0	
6	37.7	38.0	38.6	38.7	38.8	38.6	38.1	37.9	37.7	38.7	40.5	42.3	43.5	44.1	43.2	41.8	
7 **	37.8	38.1	40.3	39.0	38.5	45.3	40.2	37.7	36.5	37.3	39.9	42.4	45.3	44.7	42.8	36.3	
8 **	35.2	35.2	43.7	38.8	38.0	42.7	49.0	47.5	39.0	37.5	38.2	40.5	40.0	40.1	41.9	40.5	
9 **	39.1	38.0	39.9	36.9	38.3	39.1	39.9	39.2	38.1	38.5	38.8	40.5	41.2	41.1	42.1	40.0	
10 **	36.2	33.2	36.6	37.6	36.1	37.9	38.6	37.6	37.5	38.1	40.9	40.9	41.5	41.0	41.6	37.3	
11	36.2	39.5	40.5	40.7	38.7	38.7	38.9	38.3	38.5	37.6	38.8	39.3	40.7	41.1	40.7	40.0	
12	36.8	36.9	37.7	39.6	39.8	38.8	38.3	37.9	36.9	37.9	38.2	38.4	39.9	40.6	40.3	39.0	
13	37.8	38.0	38.2	38.1	38.1	37.7	37.4	37.0	37.0	37.3	38.3	39.3	39.9	40.0	39.8	38.3	
14	37.8	38.0	38.6	38.0	38.4	38.4	37.4	37.6	37.0	36.9	37.8	39.7	41.1	40.9	40.3	39.6	
15	36.6	37.2	39.6	38.8	38.6	37.9	37.7	37.8	37.3	37.3	37.9	39.1	40.5	41.5	40.5	39.9	
16 *	38.1	38.5	39.0	38.8	38.6	38.7	38.3	38.1	37.7	37.6	38.4	40.0	41.0	40.9	40.1	39.4	
17	38.0	38.5	38.7	39.1	39.1	38.7	38.5	38.1	37.8	38.5	39.2	40.3	41.1	43.9	47.5	50.8	
18 *	37.4	37.5	37.9	38.0	37.7	37.5	37.3	37.1	37.0	37.1	38.1	39.3	40.2	40.0	39.8	39.7	
19 *	37.8	37.9	38.0	38.2	38.4	38.1	38.0	37.6	37.3	37.2	37.9	38.9	40.6	40.8	40.0	39.3	
20	37.4	37.7	37.1	36.2	37.0	37.8	37.6	37.4	37.2	37.5	39.0	40.3	41.5	41.8	40.3	39.6	
21 *	37.7	37.9	38.0	38.3	38.4	38.2	37.7	37.7	37.4	37.9	39.2	40.5	41.4	41.2	40.0	39.9	
22	37.7	38.0	38.3	38.5	38.7	38.6	38.1	37.7	37.3	37.6	38.9	39.6	40.7	40.9	40.3	40.6	
23	36.2	35.7	35.2	35.4	37.5	37.6	37.7	37.2	38.5	38.9	38.9	40.3	41.8	41.0	39.9	40.3	
24 **	37.6	37.6	37.8	38.9	39.0	38.2	38.9	40.6	40.6	39.9	41.3	42.7	44.0	45.8	44.1	43.4	
25	35.3	37.5	36.3	37.9	39.0	42.2	38.9	38.4	39.2	39.4	39.7	40.0	40.9	41.3	40.0	39.0	
26	37.6	37.6	37.7	38.0	38.0	37.9	37.9	37.7	38.3	39.0	39.4	40.0	41.1	40.7	39.7	39.0	
27	38.0	38.0	38.0	38.0	38.2	38.5	37.7	38.0	38.0	37.8	38.7	39.9	40.5	40.4	39.7	39.0	
28	38.0	38.2	38.0	38.4	38.6	36.2	37.3	37.7	37.3	36.9	37.6	39.5	40.4	41.0	40.5	39.2	
29	37.8	37.6	37.7	37.6	37.2	37.5	37.4	37.7	37.3	37.1	38.4	40.6	41.9	42.5	43.1	43.2	
30	36.3	36.0	37.8	37.9	37.5	38.0	37.8	37.5	37.5	37.2	38.2	40.7	42.5	41.2	41.5	40.5	
Mean	37.4	37.6	38.3	38.2	38.3	38.7	38.5	38.1	37.5	37.6	38.8	40.3	41.5	41.7	41.3	40.4	
Mean *	37.6	38.0	38.3	38.4	38.4	38.2	37.9	37.6	37.2	37.2	38.3	39.7	41.0	41.0	40.2	39.7	
Mean **	37.2	36.4	39.7	38.2	38.0	40.6	41.3	40.5	38.3	38.3	39.8	41.4	42.4	42.5	42.5	39.5	
DECEMBER						9° + Tabular Quantities											
1	37.3	37.8	38.5	38.5	38.1	38.3	37.9	37.5	37.3	37.2	38.3	40.0	41.3	41.1	39.9	38.8	
2	37.8	38.6	38.6	38.2	38.2	37.9	37.2	37.1	36.9	36.7	38.0	39.9	41.4	42.0	41.7	40.2	
3 **	34.2	36.0	39.7	36.3	38.8	40.0	41.1	43.4	45.3	39.9	40.1	40.4	41.5	42.0	41.3	39.1	
4 **	35.4	37.7	38.8	41.7	40.0	38.7	38.3	37.7	37.3	36.5	36.7	37.7	39.1	39.2	39.9	34.4	
5 **	34.2	33.3	36.0	38.7	39.3	40.0	40.1	39.3	38.5	37.5	38.0	38.3	40.0	41.2	36.8	40.1	
6 **	38.7	37.3	36.7	37.6	38.2	40.2	39.1	39.0	38.0	37.3	38.0	39.8	40.0	37.7	39.1	37.0	
7	36.7	38.6	39.2	39.0	38.6	38.9	38.9	40.0	39.8	37.9	38.0	39.2	38.9	37.4	39.8	38.1	
8	37.5	37.2	37.8	37.6	38.7	40.9	41.0	39.9	39.7	39.2	39.7	39.5	39.9	39.3	38.7	35.8	
9	37.1	37.7	37.8	37.9	38.0	38.7	38.6	38.7	40.7	38.9	38.4	39.6	40.3	41.4	40.3	37.4	
10 *	37.7	37.8	37.9	38.0	38.1	38.1	38.1	38.1	37.7	37.0	37.5	38.3	39.3	40.2	39.5	38.7	
11 *	37.9	38.1	38.3	38.6	38.4	38.2	38.0	37.8	37.5	37.2	37.6	38.1	39.0	40.1	39.2	38.7	
12	37.9	38.3	37.9	38.0	38.0	38.3	37.9	37.9	37.9	38.0	38.5	38.5	39.4	40.5	39.9	38.8	
13	32.9	36.0	37.0	37.9	35.8	35.8	37.0	37.3	37.3	37.8	38.4	39.6	40.4	40.5	39.9	39.4	
14	37.6	37.8	37.5	37.3	36.9	37.8	37.5	37.5	37.7	37.7	38.7	39.5	41.0	42.0	43.0	45.3	
15	38.5	37.9	37.5	38.1	38.3	37.5	37.7	37.1	37.0	37.5	38.0	38.6	39.5	40.2	40.1	39.9	
16	36.9	37.7	36.0	38.0	37.7	38.0	37.6	37.2	36.8	37.0	38.0	39.3	40.2	39.5	39.4	38.6	
17	36.2	37.0	37.7	38.0	37.9	37.8	37.3	37.2	36.7	36.8	38.0	39.0	39.6	40.2	39.7	39.0	
18 *	37.6	37.6	37.9	38.2	38.2	38.1	37.7	37.3	37.0	37.3	38.0	38.2	38.8	39.6	39.5	39.1	
19	37.2	37.6	38.0	38.4	38.5	38.1	38.0	37.5	37.0	36.5	37.3	37.8	39.7	41.0	40.4	39.2	
20 **	33.3	36.7	37.9	38.3	38.6	37.5	38.8	44.3	40.2	39.8	39.7	41.1	42.5	43.9	42.9	41.7	
21	36.8	37.1	38.0	38.7	38.6	38.2	37.9	37.9	37.7	38.4	40.0	40.2	41.4	40.9	40.2	39.5	
22	36.2	37.2	37.6	38.0	38.6	39.4	38.7	38.5	38.1	38.2	40.9	41.2	40.7	41.4	40.3	39.3	
23	37.4	37.5	37.6	37.7	38.0	38.4	38.1	38.0	38.3	39.4	39.0	38.8	39.2	39.5	38.9	38.3	
24	34.9	36.3	36.9	36.9	37.2	37.2	37.3	37.2	36.7	36.6	37.9	38.7	40.3	40.0	39.6	38.2	
25 *	37.6	37.5	37.6	37.8	37.9	38.0	37.9	37.6	37.3	38.0	38.7	39.2	39.4	39.5	38.6	37.9	
26	37.3	37.0	37.3	37.8	37.7	36.9	36.9	37.0	37.1	37.8	39.0	39.1	38.9	38.9	38.8	38.3	
27	36.3	37.0	37.5	37.3	37.5	37.7	38.6	37.8	37.1	36.9	38.2	38.5	39.1	40.2	40.4	39.1	
28	37.2	36.2	37.1	37.6	37.9	37.7	37.7	37.8	37.3	37.5	38.3	39.2	39.6	40.5	40.5	40.0	
29	36.7	36.6	38.9	36.2	37.0	37.3	36.8	37.6	36.7	36.6	38.7	39.0	41.1	41.7	42.1	40.7	
30	35.9	35.4	37.5	36.9	37.6	37.4	37.1	36.9	36.6	36.4	37.3	38.4	40.0	40.8	40.2	38.1	
31 *	36.8	37.1	37.5	37.9	37.8	37.7	37.6	37.1	36.6	36.9	37.5	37.8	39.0	39.9	38.9	38.4	
Mean	36.6	37.1	37.7	38.0	38.1	38.2	38.1	38.2	37.9	37.6	38.4	39.1	40.0	40.4	40.0	38.9	
Mean *	37.5	37.6	37.8	38.1	38.1	38.0	37.9	37.6	37.2	37.3	37.9	38.3	39.1	39.9	39.1	38.6	
Mean **	35.2	36.2	37.8	38.5	39.0	39.3	39.5	40.7	39.9	38.2	38.5	39.5	40.6	40.8	40.0	38.5	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						NOVEMBER
										h m		h m			
39.9	38.9	39.7	39.0	37.8	37.1	35.7	36.4	38.5		13 54	43.8	22 07	34.2	9.6	1
34.0	38.2	39.2	37.6	33.1	35.1	37.3	37.8	38.4		13 59	45.8	16 35	26.5	19.3	2
39.7	39.2	38.9	37.8	37.1	33.7	35.6	37.4	38.7		13 16	43.4	21 31	28.7	14.7	3
39.7	39.7	38.3	35.9	34.9	36.5	37.3	36.9	38.4		12 33	42.7	20 12	33.6	9.1	4
39.3	39.0	38.6	38.3	38.0	37.8	37.5	37.4	38.6		13 28	42.3	09 01	35.7	6.6	5 *
42.3	39.3	38.0	36.9	31.8	33.9	34.3	36.8	38.8		13 07	45.0	20 15	30.1	14.9	6
33.9	33.7	31.7	26.0	25.8	33.4	35.9	37.5	37.5		05 41	48.8	19 02	15.0†	33.8	7 **
33.8	31.3	38.7	36.6	28.1	31.3	34.5	35.2	38.2		07 01	52.9	17 02	20.2	32.7	8 **
37.4	36.9	32.7	29.9	26.6	32.2	32.1	32.3	37.1		15 23	44.4	20 24	23.1	21.3	9 **
33.0	34.2	34.1	37.1	35.9	37.2	33.9	37.2	37.3		10 42	43.6	17 50	23.9	19.7	10 **
38.2	38.1	39.4	30.6	34.6	36.3	37.0	36.2	38.3		12 45	41.7	19 48	29.0	12.7	11
37.8	37.6	35.1	36.9	37.8	37.0	37.0	36.7	38.0		13 04	40.8	18 26	29.9	10.9	12
39.4	39.5	38.8	38.2	37.9	37.8	36.9	36.0	38.2		13 58	40.5	23 54	35.1	5.4	13
39.1	38.4	38.2	38.0	37.7	37.0	36.2	36.7	38.3		12 34	42.0	22 11	35.5	6.5	14
39.7	38.8	38.0	37.6	37.5	37.2	37.7	37.9	38.4		13 06	42.1	01 13	35.9	6.2	15
38.8	38.4	38.1	37.8	37.7	37.3	37.2	37.5	38.6		12 59	41.3	23 04	36.7	4.6	16 *
46.9	49.1	46.0	41.4	38.9	37.7	37.5	37.2	40.9		15 37	54.2†	09 04	36.8	17.4	17
39.4	39.0	39.0	37.8	38.1	37.9	37.8	37.9	38.3		13 11	40.3	09 13	36.6	3.7	18 *
39.5	38.9	38.4	38.1	38.0	37.7	37.4	37.3	38.4		12 56	41.0	08 40	36.9	4.1	19 *
39.4	39.0	38.6	38.4	38.1	37.7	37.7	37.8	38.4		13 27	42.2	03 39	35.6	6.6	20
40.5	40.2	39.9	39.0	38.3	37.8	37.4	37.2	38.8		13 03	41.8	23 26	36.9	4.9	21 *
40.1	40.8	39.7	40.3	38.7	38.0	37.7	37.4	38.9		19 16	41.7	24 00	35.7	6.0	22
40.0	39.1	38.9	39.0	37.0	37.8	37.6	37.6	38.3		12 34	42.3	03 12	34.1	8.2	23
41.0	40.0	40.4	38.2	31.1	31.0	25.7	27.8	38.6		13 31	47.0	22 18	20.7	26.3	24 **
38.9	38.8	38.0	38.2	37.9	37.7	37.6	37.6	38.7		05 33	44.6	00 00	30.6	14.0	25
38.3	38.0	38.0	37.8	37.9	37.9	37.9	38.0	38.5		12 35	41.4	00 14	37.3	4.1	26
38.5	38.2	38.2	38.0	37.6	36.7	37.0	37.6	38.3		12 38	40.7	22 12	35.5	5.2	27
38.4	38.0	37.9	37.7	37.8	37.8	37.8	37.9	38.3		13 29	41.2	05 13	35.5	5.7	28
39.9	38.8	38.5	38.4	38.3	36.8	33.6	36.0	38.5		15 21	44.2	22 07	30.6	13.6	29
39.1	38.2	36.3	35.8	37.1	36.7	37.0	36.9	38.1		12 40	45.3	18 51	32.5	12.8	30
38.9	38.6	38.2	37.1	35.9	36.3	36.2	36.7	38.4		-	43.6	-	31.6	12.0	Mean
39.5	39.1	38.8	38.2	38.0	37.7	37.5	37.5	38.5		-	41.3	-	36.6	4.8	Mean *
35.8	35.2	35.5	33.6	29.5	33.0	32.4	34.0	37.7		-	47.3	-	20.6	26.8	Mean **
									9° + Tabular Quantities						DECEMBER
38.9	38.7	37.9	37.5	37.5	37.1	36.8	36.1	38.3		12 47	41.8	22 58	34.4	7.4	1
41.5	42.3	42.1	39.2	37.1	37.0	36.7	35.1	38.8		17 53	43.8	23 51	34.2	9.6	2
38.6	33.1	32.8	31.6	30.8	34.8	33.7	35.4	37.9		08 20	47.4†	20 55	22.9	24.5	3 **
34.8	35.1	38.4	33.5	33.1	30.7	29.9	30.0	36.4		03 10	42.9	23 22	25.1	17.8	4 **
38.9	33.4	33.0	28.7	33.0	29.7	32.9	36.6	36.6		15 28	42.0	19 25	20.9	21.1	5 **
37.2	32.5	33.0	35.5	35.5	35.1	37.2	35.6	37.3		00 31	42.9	16 57	30.2	12.7	6 **
38.6	38.6	37.6	36.5	35.1	35.2	34.9	36.0	38.0		07 29	41.1	19 04	33.7	7.4	7
36.8	37.1	35.4	35.5	36.0	37.0	36.2	36.7	38.0		05 49	43.1	18 17	31.5	11.6	8
38.6	38.1	37.9	37.7	37.6	37.6	37.5	37.4	38.5		13 34	42.0	00 23	36.7	5.3	9
38.3	38.1	37.9	37.8	37.6	37.5	37.7	37.8	38.1		13 21	40.4	09 18	36.8	3.6	10 *
38.3	38.0	37.7	37.7	37.6	37.7	37.7	37.8	38.1		13 14	40.3	09 25	37.2	3.1	11 *
38.5	38.3	38.0	37.5	36.4	37.3	37.1	32.9	38.0		13 40	40.7	23 43	30.7	10.0	12
38.6	38.1	38.1	37.5	36.3	35.8	37.2	37.1	37.6		13 23	40.9	00 04	30.7	10.2	13
42.2	39.7	38.8	38.2	33.1	35.2	36.9	36.8	38.6		15 30	45.9	20 45	31.5	14.4	14
38.5	37.9	37.2	37.3	37.1	36.9	36.9	37.0	38.0		15 14	40.9	22 01	35.9	5.0	15
37.5	39.0	37.9	37.2	37.4	37.0	36.9	34.8	37.7		12 46	40.7	23 31	34.1	6.6	16
38.6	38.8	38.3	36.8	36.2	36.8	36.9	37.1	37.8		13 19	40.4	00 04	34.4	6.0	17
38.9	39.3	39.0	38.6	37.9	37.4	36.9	37.0	38.1		13 32	40.0	22 57	36.6	3.4	18 *
39.1	39.3	38.7	37.9	37.6	36.9	33.2	31.2	37.8		13 36	41.3	22 53	29.8	11.5	19
39.3	39.0	38.5	31.6	25.6	33.3	33.0	34.4	38.0		07 23	46.9	19 54	19.6†	27.3	20 **
39.7	36.6	38.5	37.0	37.4	36.1	32.0	30.0	37.9		12 54	42.7	22 59	25.9	16.8	21
38.1	37.9	34.0	30.9	36.0	36.1	33.0	35.7	37.8		13 34	42.2	19 06	27.8	14.4	22
37.7	37.8	35.9	34.0	37.3	35.6	33.8	37.1	37.6		09 32	40.1	19 00	28.2	11.9	23
38.0	35.7	37.4	37.8	32.9	33.2	35.5	37.0	37.1		12 22	40.6	20 43	29.4	11.2	24
37.6	37.5	37.6	37.4	37.3	37.1	37.1	37.3	37.9		13 10	39.9	08 40	36.8	3.1	25 *
38.5	37.8	37.5	37.3	37.0	36.4	34.5	35.6	37.5		11 48	39.4	22 24	33.7	5.7	26
38.5	38.1	38.0	37.3	37.7	37.5	37.5	37.4	38.0		14 18	41.0	00 00	35.7	5.3	27
40.0	40.5	39.4	38.2	27.5	32.3	35.3	36.9	37.6		17 14	41.2	20 36	24.1	17.1	28
38.2	40.1	38.2	33.0	35.9	36.2	34.3	34.4	37.7		14 03	43.4	19 12	31.3	12.1	29
38.2	38.5	37.2	37.4	37.0	36.6	36.0	35.3	37.4		13 40	40.9	23 07	33.2	7.7	30
38.2	37.9	37.3	37.1	36.9	36.7	36.5	36.1	37.6		13 10	40.1	23 05	34.1	6.0	31 *
38.5	37.8	37.4	36.2	35.5	35.8	35.5	35.7	37.8		-	41.8	-	31.2	10.6	Mean
38.3	38.2	37.9	37.7	37.5	37.3	37.2	37.2	38.0		-	40.1	-	36.3	3.8	Mean *
37.8	34.6	35.1	32.2	31.6	32.7	33.3	34.4	37.2		-	44.4	-	23.7	20.7	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JANUARY	18000 γ + Tabular Quantities (in γ)																
1	790	786	786	785	790	793	795	795	796	791	786	787	793	797	795	790
2 *	793	791	792	792	793	793	795	796	795	793	790	791	797	805	806	805
3	798	797	797	800	803	804	805	803	802	797	795	796	800	799	803	805
4	795	796	798	799	803	806	806	806	808	805	805	808	812	807	800	784
5	790	792	793	795	797	800	804	806	797	788	786	787	787	789	791	791
6 *	796	797	798	800	801	802	802	802	800	795	792	789	790	796	803	805
7	795	798	803	795	799	800	810	815	817	811	800	793	793	797	797	798
8	792	792	793	793	795	798	800	802	805	797	790	788	787	786	786	793
9 *	796	796	796	798	799	804	807	811	813	807	797	792	794	796	796	796
10	800	799	796	796	797	802	806	807	811	809	804	797	794	791	788	792
11	800	798	797	799	801	804	809	816	818	816	814	815	814	811	807	806
12	797	795	794	792	794	799	801	804	804	797	793	789	789	793	792	795
13 **	796	793	806	803	830	824	813	816	806	799	791	775	787	786	777	778
14 **	794	793	788	787	796	796	801	796	794	781	765	763	781	777	757	757
15 **	813	797	785	779	783	796	786	789	786	765	775	774	775	772	766	782
16	801	816	792	785	787	793	795	791	779	788	784	782	777	786	767	760
17	788	784	786	789	793	782	786	793	776	786	781	781	789	787	786	793
18	791	798	795	793	799	801	800	801	791	786	777	781	784	783	785	795
19	790	788	784	788	788	790	791	797	786	772	778	782	779	774	754	775
20	783	786	785	790	791	795	795	793	782	783	779	780	783	784	785	795
21	791	790	790	790	796	797	800	803	799	795	788	781	781	787	794	795
22	795	796	796	796	798	804	808	806	799	791	786	784	786	791	797	797
23	799	796	795	794	796	805	809	806	804	797	793	786	785	790	795	795
24	797	796	796	799	804	807	808	808	806	804	795	784	790	797	805	809
25	785	787	786	786	791	794	798	801	796	789	783	782	784	785	783	783
26	795	794	794	797	799	799	800	801	799	795	793	792	793	796	796	795
27 *	799	799	799	799	802	805	806	810	808	800	794	795	801	806	807	803
28 *	798	799	800	801	803	803	805	806	805	803	798	801	806	810	807	800
29	801	801	801	803	804	804	805	804	800	797	795	801	808	811	810	803
30 **	797	793	791	801	806	822	813	814	808	775	787	787	780	775	780	768
31 **	761	773	773	794	825	834	793	768	740	727	728	737	741	747	725	733
Mean	794	794	793	794	799	802	802	802	798	792	788	786	789	791	788	790
Mean *	796	796	797	798	800	801	803	805	804	800	794	794	798	803	804	802
Mean **	792	790	789	793	808	814	801	797	787	769	769	767	773	771	761	764
FEBRUARY	18000 γ + Tabular Quantities (in γ)																
1	777	775	776	777	778	781	784	786	782	787	779	781	781	767	771	767
2 *	784	786	787	791	791	791	791	787	787	787	786	786	789	796	799	798
3	794	793	795	796	797	798	798	796	786	781	782	784	787	793	791	795
4	798	798	799	801	804	806	806	803	796	788	784	783	785	794	800	804
5	797	797	797	798	801	801	804	803	798	788	780	773	768	775	779	787
6	797	799	797	799	801	806	807	809	808	804	797	796	793	787	785	789
7	797	797	798	804	804	807	809	811	809	805	803	797	795	793	795	796
8 *	797	797	797	798	799	804	806	808	814	815	815	811	813	811	807	804
9	804	805	805	805	807	808	811	813	814	815	815	817	825	827	825	815
10 **	734	748	766	778	778	785	793	773	783	782	777	776	754	756	774	770
11 **	792	791	781	778	779	775	788	795	792	777	776	783	773	786	790	778
12 **	795	802	806	795	784	795	786	787	765	789	792	791	785	787	792	795
13 **	805	796	786	784	782	793	775	784	785	784	782	775	766	778	789	778
14 **	804	787	783	783	777	784	795	795	763	796	796	788	784	778	778	783
15	796	795	790	794	795	795	796	800	797	796	793	787	785	775	781	795
16	796	796	795	794	796	796	796	797	799	803	799	799	797	795	795	787
17	799	799	798	799	799	805	805	806	806	805	807	803	796	798	800	798
18	803	803	804	804	804	805	807	812	813	810	808	807	807	808	805	805
19 *	806	806	805	807	807	812	814	815	818	821	818	814	811	815	815	812
20	808	808	812	816	813	816	818	823	822	816	808	806	806	807	803	799
21	795	796	799	803	804	806	805	805	805	803	804	803	804	802	800	800
22	797	799	797	798	802	802	802	805	800	805	803	802	797	800	802	800
23	802	803	804	806	810	812	814	817	821	822	820	812	802	808	802	798
24 *	803	804	803	800	802	805	808	812	814	814	808	802	800	801	803	801
25	802	811	806	800	799	802	806	809	812	812	808	806	807	806	810	805
26	806	804	804	804	807	810	814	818	817	811	807	805	804	798	797	794
27 *	804	804	803	803	805	807	807	810	813	813	813	810	807	806	808	806
28	808	811	805	805	810	808	812	815	815	807	810	808	807	807	805	806
Mean	796	797	796	797	798	801	802	803	801	801	799	797	794	795	796	795
Mean *	799	799	799	800	801	804	805	806	809	810	808	805	804	806	806	804
Mean **	786	785	784	784	780	786	787	787	778	786	785	783	772	777	785	781

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
18000 γ + Tabular Quantities (in γ)															JANUARY
										h m		h m		γ	
781	784	784	784	786	787	792	794	789		08 27	800	16 23	776	24	1
799	796	798	799	801	800	800	798	797		14 08	808	11 03	790	18	2 *
801	801	799	799	800	799	797	795	800		05 45	806	23 55	794	12	3
776	765	764	768	780	786	787	788	794		12 40	813	18 12	759	54	4
789	790	792	793	794	793	797	796	793		07 40	807	12 06	784	23	5
804	805	805	805	803	803	802	798	800		17 38	806	11 58	788	18	6 *
787	775	785	793	795	795	795	792	797		08 50	818	17 16	768	50	7
796	798	800	800	800	802	800	795	795		22 09	808	14 10	785	23	8
799	804	806	807	806	806	804	799	801		08 18	813	11 56	791	22	9 *
796	798	801	803	804	803	803	801	800		08 40	814	14 33	786	28	10
802	797	768	756	787	797	796	796	801		08 13	819	19 27	747	72	11
797	799	800	802	806	803	803	799	797		23 04	814	22 29	787	27	12
786	766	776	779	787	796	799	817	795		04 32	848†	17 38	750	98	13 **
774	773	767	786	779	778	793	793	782		19 22	819	11 09	727	92	14 **
784	786	786	777	796	786	787	789	784		00 52	829	09 25	754	75	15 **
773	784	791	781	792	769	786	787	785		01 20	822	15 34	747	75	16
788	765	783	780	789	785	800	793	786		22 23	811	17 25	750	61	17
787	787	788	794	798	793	793	805	792		23 35	834	23 13	761	73	18
781	783	782	778	779	793	791	784	783		00 00	814	14 15	745	69	19
796	795	795	792	786	786	788	789	788		05 53	798	10 18	776	22	20
794	796	797	796	796	797	797	796	794		07 29	805	12 19	777	28	21
796	796	794	795	795	795	796	790	795		06 13	810	11 33	783	27	22
796	797	796	794	794	795	805	797	797		00 54	814	12 50	782	32	23
808	796	795	790	776	772	787	786	796		16 16	813	22 07	757	56	24
780	787	790	795	791	795	796	796	789		07 26	804	16 42	776	28	25
795	797	799	798	799	800	798	799	797		04 19	801	11 11	789	12	26
799	799	799	801	800	800	799	799	801		07 37	811	11 09	793	18	27 *
796	797	799	799	800	802	803	801	802		13 20	811	16 50	795	16	28 *
799	800	805	797	785	779	771	799	799		13 52	812	22 16	761	51	29
767	773	786	796	770	745	755	778	786		05 16	826	21 32	724	102	30 **
725	717	711	726	754	770	771	774	756		05 17	841	18 33	705†	136	31 **
789	787	788	789	791	791	793	794	793		-	814	-	768	46.5	Mean
799	800	801	802	802	802	802	799	800		-	810	-	791	18.4	Mean *
767	763	765	773	777	775	781	790	781		-	833	-	732	100.6	Mean **
18000 γ + Tabular Quantities (in γ)															FEBRUARY
762	757	758	763	763	766	803	780	775		22 32	831	17 45	753	78	1
795	795	796	794	790	794	794	794	791		14 27	801	00 00	780	21	2 *
793	790	794	795	797	797	799	798	793		22 18	801	10 15	780	21	3
807	801	790	795	796	796	796	797	797		16 49	809	11 38	783	26	4
795	801	800	801	797	796	797	797	793		06 36	804	12 33	765	39	5
793	798	800	803	801	801	799	798	799		07 32	811	14 33	783	28	6
797	801	804	804	800	798	795	797	801		07 48	813	14 45	792	21	7
799	803	805	806	805	805	803	804	805		10 18	816	00 04	797	19	8 *
813	816	813	816	824	816	804	756	811		13 11	829	23 49	731	98	9
763	770	761	765	775	807	778	788	772		21 04	870†	00 20	723†	147	10 **
775	785	786	782	791	786	793	801	785		23 16	808	16 23	744	64	11 **
792	793	788	788	791	797	802	800	792		02 06	824	08 39	752	72	12 **
771	776	787	806	773	781	800	814	785		19 28	838	12 17	756	82	13 **
786	791	793	804	806	797	796	803	790		20 20	818	08 27	740	78	14 **
791	790	792	795	794	795	796	798	793		00 06	803	13 50	762	41	15
776	786	795	797	799	800	798	800	795		09 56	805	16 12	766	39	16
796	796	803	804	804	803	802	804	801		10 14	810	17 03	792	18	17
798	799	804	806	805	807	808	808	806		08 20	813	16 44	793	20	18
806	805	808	811	814	814	812	810	812		09 26	822	17 07	802	20	19 *
804	806	809	803	798	794	786	803	808		08 50	825	22 23	776	49	20
786	786	787	797	799	798	793	797	799		05 31	806	16 33	780	26	21
796	798	795	801	804	812	805	803	801		21 25	822	18 14	792	30	22
780	789	796	803	804	806	805	804	806		08 56	824	16 30	772	52	23
800	801	804	806	808	810	808	802	805		08 55	816	23 23	799	17	24 *
798	799	801	806	808	809	808	807	806		01 42	815	16 19	797	18	25
793	794	803	805	805	805	807	805	805		07 07	820	16 43	788	32	26
802	803	804	805	806	807	806	810	807		23 18	817	17 30	799	18	27 *
805	805	806	808	810	813	813	799	808		08 08	819	14 34	793	26	28
792	794	796	799	799	800	800	799	798		-	818	-	775	42.9	Mean
800	801	803	804	805	806	805	804	804		-	814	-	795	19.0	Mean *
777	783	783	789	787	794	794	801	785		-	832	-	743	88.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MARCH	18000 γ + Tabular Quantities (in γ)																
1 **	792	798	794	803	804	810	820	812	814	802	796	787	784	789	795	796	
2	810	798	797	798	801	804	804	810	811	809	810	810	806	810	808	805	
3	806	805	803	804	805	810	806	814	813	806	804	796	797	807	807	805	
4	808	805	806	807	807	806	805	805	803	801	799	797	800	804	807	805	
5	802	803	803	806	808	808	809	813	808	798	795	794	799	801	803	804	
6	804	804	803	803	804	807	811	814	815	808	803	795	793	795	799	802	
7	802	801	800	806	805	803	805	808	812	808	803	802	805	805	805	805	
8 **	791	798	809	813	803	811	817	808	827	816	813	776	774	790	785	769	
9 **	799	806	792	794	788	799	812	810	807	802	802	798	799	797	799	802	
10 **	794	800	800	805	795	799	796	815	798	770	763	774	768	762	762	776	
11 **	823	789	769	772	776	788	797	796	794	790	790	794	794	794	789	788	
12	802	796	793	800	795	795	799	805	800	794	788	792	795	793	791	783	
13	798	797	796	795	796	798	800	806	804	800	793	791	786	779	765	775	
14 *	804	805	797	797	800	802	805	808	813	812	805	796	794	794	794	794	
15	805	805	804	798	803	802	802	805	805	800	795	795	796	797	796	796	
16 *	807	806	806	806	806	807	809	814	816	813	807	805	804	804	803	804	
17	808	807	807	807	808	808	809	812	813	808	803	797	797	800	806	808	
18	805	806	804	806	805	803	804	802	802	802	794	792	796	798	794	784	
19	805	801	800	812	814	810	815	812	808	804	794	792	793	797	804	800	
20	804	806	803	802	804	805	809	811	812	805	795	796	800	804	805	808	
21	796	806	803	804	807	808	813	804	804	802	796	793	794	795	798	802	
22 *	806	806	806	807	808	809	811	814	812	805	798	796	798	803	808	807	
23	814	812	810	813	816	820	824	825	822	819	797	792	802	800	783	790	
24	802	801	801	803	806	807	809	813	812	805	796	793	792	797	803	804	
25	806	805	806	806	805	807	807	813	813	806	801	799	802	803	801	805	
26 *	811	809	807	808	809	811	814	817	815	804	793	791	795	804	807	809	
27 *	807	805	805	805	806	807	808	812	809	804	801	799	799	797	797	797	
28	811	809	809	810	814	817	821	819	815	806	802	803	805	807	807	806	
29	818	814	813	814	816	817	820	824	819	807	794	787	789	801	805	807	
30	813	807	807	806	805	806	812	814	814	805	796	797	802	805	807	811	
31	812	813	813	811	808	811	814	816	815	812	809	807	806	805	803	803	
Mean	805	804	802	804	804	806	809	811	810	804	798	795	796	798	798	798	
Mean *	807	806	804	805	806	807	809	813	813	808	801	797	798	800	802	802	
Mean **	800	798	793	797	793	801	808	808	808	796	793	786	784	786	786	786	
APRIL	18000 γ + Tabular Quantities (in γ)																
1	806	805	807	812	814	835	834	822	814	803	800	797	793	790	793	794	
2	811	811	807	811	811	812	813	813	808	800	795	795	795	799	799	804	
3	822	812	809	812	811	812	811	812	804	796	795	794	795	796	799	805	
4 **	815	815	814	814	814	818	825	819	814	810	810	809	815	800	800	790	
5 **	832	800	779	795	788	804	812	812	797	782	767	774	777	784	784	783	
6 **	804	797	794	794	801	806	805	806	779	796	791	769	789	792	781	799	
7	800	803	804	807	801	808	808	799	797	778	785	782	778	783	792	788	
8	809	801	803	803	804	805	811	809	803	793	790	793	796	802	807	808	
9	809	807	807	806	799	810	810	804	802	794	789	786	792	796	802	809	
10 *	807	804	804	804	806	809	811	808	805	797	787	779	780	785	799	805	
11 *	813	812	810	810	811	814	817	816	813	801	782	783	790	793	797	802	
12	824	822	811	810	813	819	819	816	809	795	778	778	787	801	799	802	
13	807	810	805	809	809	811	815	817	812	799	783	773	775	786	797	800	
14 **	828	803	799	801	806	806	805	801	795	787	782	784	784	786	794	788	
15	816	809	806	810	804	797	798	784	794	792	789	779	776	778	787	797	
16	818	810	812	810	807	810	811	810	804	792	787	788	795	799	805	812	
17	814	809	798	809	807	806	810	811	805	802	794	790	792	798	805	813	
18	809	808	809	811	812	814	818	815	807	797	793	789	790	799	806	821	
19	822	809	804	807	809	804	809	815	817	815	811	803	797	801	809	815	
20	831	809	809	809	811	813	810	804	805	804	801	796	796	788	789	788	
21 *	807	807	807	808	806	806	806	804	802	799	796	798	796	795	796	805	
22	809	817	810	804	805	806	806	805	804	798	792	787	789	796	802	803	
23	808	810	804	813	809	807	803	803	797	803	794	790	789	786	784	791	
24 *	805	804	804	805	805	806	806	802	796	788	788	789	797	800	804	808	
25	823	819	817	813	815	815	816	816	810	803	794	792	795	802	809	816	
26	824	814	811	808	813	814	814	816	816	811	802	794	793	800	812	818	
27	825	822	822	821	821	814	814	811	803	795	792	796	787	793	810	816	
28 *	814	813	812	812	812	813	813	813	815	815	808	801	800	805	813	820	
29	821	821	821	819	816	819	813	811	809	807	806	812	814	815	814	813	
30 **	821	819	819	817	814	813	813	813	814	817	822	826	826	816	817	841	
Mean	815	810	807	809	808	811	812	810	805	799	793	791	793	795	800	805	
Mean *	809	808	807	808	808	810	811	809	806	800	792	790	793	796	802	808	
Mean **	820	807	801	804	805	809	812	810	800	798	794	792	798	796	795	800	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
18000 γ + Tabular Quantities (in γ)															MARCH
										h m		h m		γ	
780	785	795	796	798	799	798	809	798		06 27	824	16 53	765	59	1 **
798	802	805	803	805	807	808	810	805		00 03	816	16 46	795	21	2
802	808	810	807	806	805	815	811	806		22 37	829	11 23	793	36	3
799	798	802	804	806	806	804	804	804		00 00	813	11 40	795	18	4
802	804	810	810	807	808	806	805	804		21 02	815	11 43	793	22	5
805	804	796	796	793	798	801	802	802		07 55	817	20 49	788	29	6
806	813	821	822	812	807	820	787	807		22 51	830	23 49	742†	88	7
768	766	794	788	801	804	796	810	797		08 29	834	17 19	752	82	8 **
798	794	802	802	801	811	823	795	801		21 54	855	04 52	773	82	9 **
775	788	804	794	815	829	786	801	790		17 59	891†	14 42	746	145	10 **
788	793	793	794	815	795	792	809	793		20 12	842	02 51	762	80	11 **
786	791	793	799	799	800	800	799	795		00 30	809	15 32	775	34	12
786	794	800	801	804	804	803	806	795		23 21	811	14 38	748	63	13
796	797	802	803	803	805	806	806	802		08 26	813	14 38	790	23	14 *
796	797	800	804	805	805	806	806	801		00 03	807	11 14	793	14	15
805	804	806	808	809	809	813	811	808		08 41	817	14 26	801	16	16 *
800	800	800	804	804	798	818	800	805		22 20	832	21 47	795	37	17
788	784	802	809	809	799	798	805	800		20 14	811	17 22	780	31	18
802	802	803	795	795	796	813	810	803		22 54	839	20 00	787	52	19
811	812	815	816	814	803	799	804	806		20 13	820	22 10	790	30	20
804	805	805	807	807	807	806	806	803		06 23	814	11 58	790	24	21
813	816	820	822	820	817	812	815	810		19 08	822	12 03	795	27	22 *
796	807	815	814	808	808	802	804	808		06 55	828	14 28	777	51	23
806	805	803	806	811	808	808	819	805		23 41	833	12 20	787	46	24
807	807	811	810	812	813	813	814	807		00 00	818	10 52	798	20	25
806	804	806	805	801	806	809	807	806		07 56	818	11 16	788	30	26 *
800	803	807	806	808	811	811	811	805		08 06	812	15 23	795	17	27 *
809	813	814	816	816	822	817	817	812		23 05	831	10 28	798	33	28
808	809	812	812	811	813	813	813	810		07 07	826	11 08	784	42	29
806	806	809	811	813	813	813	813	808		08 13	816	10 59	792	24	30
805	806	810	813	813	823	823	825	812		23 04	836	14 54	800	36	31
798	801	805	806	807	807	807	808	803		-	825	-	783	42.3	Mean
804	805	808	809	808	810	810	810	806		-	816	-	794	22.6	Mean *
782	785	798	795	806	808	799	805	796		-	849	-	760	89.6	Mean **
18000 γ + Tabular Quantities (in γ)															APRIL
802	805	811	811	810	810	810	810	808		05 47	855	13 18	783	72	1
807	811	801	804	804	804	806	812	806		17 28	816	12 24	792	24	2
809	809	813	816	816	816	815	815	808		00 30	830	12 54	794	36	3
801	815	800	806	815	820	822	825	812		23 50	853	15 27	776	77	4 **
789	802	818	819	809	810	823	820	798		00 47	850	10 28	760†	90	5 **
795	791	803	803	812	828	825	809	799		21 36	853	11 27	760†	93	6 **
789	802	809	811	810	810	811	829	799		23 17	843	09 32	770	73	7
805	806	803	813	811	811	810	813	805		00 00	821	10 10	784	37	8
809	801	804	810	811	812	809	808	804		21 19	815	11 30	781	34	9
809	809	809	806	812	811	814	814	803		22 56	815	12 08	777	38	10 *
807	811	813	814	813	813	815	814	807		19 24	820	10 30	779	41	11 *
816	812	815	813	801	798	802	807	806		00 49	839	10 23	773	66	12
805	804	792	794	812	801	793	799	800		20 55	820	11 53	770	50	13
785	801	812	810	807	826	810	813	801		21 16	847	12 58	773	74	14 **
802	805	809	810	809	809	813	811	799		00 00	829	11 54	771	58	15
813	808	809	816	820	817	814	812	807		20 33	828	10 18	785	43	16
822	813	812	812	815	818	814	815	808		16 42	824	11 54	787	37	17
819	811	803	810	807	817	802	803	807		16 01	840	12 14	783	57	18
815	810	814	815	812	811	811	815	810		00 36	831	12 56	792	39	19
792	802	813	814	811	811	809	807	805		00 31	845	15 36	781	64	20
809	816	806	809	810	810	813	811	805		22 48	823	10 38	789	34	21 *
804	809	811	812	810	808	807	809	804		01 38	830	11 50	785	45	22
799	808	812	810	811	810	808	806	802		18 19	817	14 26	781	36	23
809	817	822	821	820	819	818	817	806		18 47	825	09 40	784	41	24 *
817	822	822	819	821	821	813	820	813		23 59	827	11 04	790	37	25
817	822	822	820	827	836	822	826	815		21 31	843	11 54	793	50	26
816	822	823	809	806	814	814	813	811		18 48	831	12 33	779	52	27
819	823	825	820	819	819	820	821	814		17 42	833	11 48	793	40	28 *
818	822	822	822	822	822	822	819	817		17 53	829	10 56	805	24	29
882	869	848	854	804	787	811	813	824		16 46	909†	21 11	771	138	30 **
809	812	813	813	812	813	813	814	807		-	835	-	781	53.3	Mean
811	815	815	814	815	814	816	815	807		-	823	-	784	38.8	Mean *
810	816	816	818	809	814	818	816	807		-	862	-	768	94.4	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MAY	18000 γ + Tabular Quantities (in γ)																
1 **	811	816	840	808	795	791	788	784	767	761	763	779	785	787	805	799	
2 **	802	808	813	804	806	797	791	802	796	770	747	762	782	789	791	815	
3	832	818	817	817	817	819	823	821	823	807	792	786	787	788	803	816	
4 **	807	812	811	801	807	796	787	779	764	760	781	791	795	795	794	801	
5	814	802	806	797	807	812	801	793	794	791	788	792	791	796	805	819	
6	813	812	812	807	810	812	803	801	792	791	792	787	788	794	800	804	
7	814	813	813	811	810	809	808	806	800	790	780	785	791	800	806	817	
8	830	822	813	811	813	812	807	803	788	789	789	792	791	793	804	809	
9	818	820	819	820	819	819	787	799	798	786	785	795	792	793	801	805	
10	811	813	822	818	804	805	797	790	795	789	787	793	797	796	797	800	
11	817	830	806	802	794	799	797	794	787	780	778	785	779	798	813	804	
12	811	834	820	812	809	807	794	787	785	791	790	787	781	786	783	797	
13 **	832	833	825	819	821	800	817	796	787	767	770	758	766	777	785	800	
14	826	810	802	797	818	820	794	790	786	777	782	787	794	798	803	806	
15	812	810	810	808	811	806	801	797	797	795	791	790	788	789	797	799	
16 *	809	816	812	807	807	807	806	806	806	804	801	799	797	795	795	804	
17	813	811	813	816	816	816	815	812	809	802	795	788	795	810	810	808	
18 *	817	818	817	814	813	811	809	808	808	807	799	795	800	802	807	808	
19	817	818	818	820	822	822	819	818	822	825	823	821	818	812	821	819	
20	805	797	796	815	826	827	822	808	798	788	789	794	798	799	807	815	
21	820	818	817	815	813	816	811	809	808	808	810	814	814	819	820	820	
22 *	820	819	818	818	819	818	815	809	802	798	802	805	811	815	816	816	
23 *	822	821	821	821	820	819	814	805	796	793	797	803	813	818	813	818	
24 *	822	821	821	817	818	817	811	802	796	793	792	793	797	797	806	817	
25	834	837	831	833	836	835	827	820	816	815	820	824	808	826	809	818	
26	840	825	816	815	810	807	804	802	796	795	796	803	811	811	811	810	
27	824	815	814	815	815	814	810	805	803	802	803	794	797	806	822	836	
28	845	833	828	834	829	828	821	816	798	785	783	786	790	795	798	802	
29 **	825	825	835	827	821	809	791	793	796	794	795	799	806	804	798	811	
30	824	817	807	814	815	800	791	805	803	799	798	807	817	816	817	815	
31	814	815	815	813	813	814	808	809	807	806	807	809	811	802	804	806	
Mean	819	818	816	814	814	812	805	802	798	792	791	794	796	800	805	810	
Mean *	818	819	818	815	815	814	811	806	802	799	798	799	804	805	807	813	
Mean **	815	819	825	812	810	799	795	791	782	770	771	778	787	790	795	805	
JUNE	18000 γ + Tabular Quantities (in γ)																
1	821	831	824	821	821	829	822	815	808	793	784	806	821	824	813	805	
2	816	813	812	811	816	805	805	804	805	810	812	811	795	803	811	809	
3	820	815	814	816	823	821	815	816	811	811	811	814	821	820	810	812	
4 *	816	814	815	815	816	814	805	791	799	807	810	808	808	813	812	816	
5 *	817	815	815	815	818	811	804	796	792	790	797	803	806	808	813	820	
6	821	821	823	824	826	824	820	815	807	798	799	809	819	831	843	851	
7 **	798	796	771	778	790	792	759	742	752	746	747	746	753	772	793	804	
8	805	801	798	802	802	799	791	785	779	773	771	786	790	797	793	785	
9	807	798	798	797	801	797	796	792	780	772	774	772	786	787	794	795	
10	815	810	809	809	810	811	808	799	788	780	774	776	786	804	811	820	
11	824	820	815	816	811	814	816	807	798	788	785	791	797	803	815	827	
12	825	818	815	808	814	814	808	806	801	796	790	788	803	810	808	809	
13	820	820	821	817	815	819	818	813	808	794	790	797	801	804	814	816	
14	826	822	815	815	817	818	814	808	797	794	795	796	803	808	812	820	
15	826	828	824	820	815	804	820	828	826	816	806	804	800	803	808	806	
16 *	823	821	820	821	821	820	816	813	808	806	810	808	801	804	813	821	
17	822	824	816	818	816	816	814	812	801	793	796	806	810	806	801	806	
18 **	816	820	819	829	842	825	845	811	810	806	798	804	811	790	816	831	
19	793	806	805	814	815	809	803	804	805	807	803	804	804	803	802	808	
20	826	819	817	805	815	815	803	788	786	783	771	773	793	794	797	803	
21	827	817	811	811	807	809	804	802	789	784	804	805	806	809	810	820	
22 *	821	817	816	815	816	815	809	805	800	792	786	780	787	798	811	815	
23 *	815	815	814	815	815	819	815	813	808	800	799	806	807	811	818	817	
24	821	818	817	818	822	821	814	811	807	807	810	815	817	815	826	824	
25 **	836	839	838	825	828	813	799	825	824	809	798	801	802	792	803	831	
26 **	809	830	819	814	795	801	801	779	766	799	803	809	808	799	798	799	
27 **	820	820	820	824	821	819	818	805	792	802	795	789	784	793	803	821	
28	824	824	815	817	818	814	810	806	793	799	811	804	803	803	817	809	
29	825	822	823	818	820	817	815	808	808	804	800	798	803	805	809	833	
30	827	831	819	812	815	810	800	801	808	812	800	800	810	811	812	824	
Mean	819	818	815	814	815	813	808	803	799	796	794	797	801	804	810	815	
Mean *	818	816	816	816	817	816	810	804	801	799	800	801	802	807	813	818	
Mean **	816	821	813	814	815	811	798	792	789	792	788	790	792	789	803	817	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
18000 γ + Tabular Quantities (in γ)															MAY
										h m		h m		γ	
791	800	807	812	809	811	836	811	798		02 42	889†	09 58	745	144	1 **
818	844	818	809	814	816	845	836	803		17 22	880	10 16	741†	139	2 **
815	820	815	817	810	813	818	813	812		17 06	841	11 58	777	64	3
810	817	821	811	811	810	820	818	800		17 54	842	09 05	745	97	4 **
821	822	823	820	821	815	813	814	807		17 48	835	10 23	785	50	5
806	814	820	821	817	815	813	813	806		18 24	824	11 26	784	40	6
821	821	823	822	821	820	820	825	809		23 46	833	10 15	773	60	7
814	819	825	829	824	837	824	819	811		21 51	864	08 25	780	84	8
807	817	823	825	813	815	818	824	808		18 58	841	06 39	777	64	9
803	825	829	830	831	820	823	818	808		17 28	841	09 58	783	58	10
815	819	825	824	826	825	827	823	806		22 47	843	12 39	770	73	11
804	833	830	825	833	823	816	820	807		20 24	845	14 30	777	68	12
803	809	822	831	824	825	823	820	805		21 00	843	11 30	749	94	13 **
809	808	818	817	814	820	832	819	805		22 28	836	09 12	769	67	14
810	813	819	817	816	817	812	810	805		18 54	823	13 08	783	40	15
810	816	817	818	817	818	815	814	808		01 50	821	13 40	793	28	16 *
810	812	825	819	820	820	817	816	811		18 12	846	11 33	787	59	17
817	819	828	824	822	819	818	817	812		18 48	831	11 50	792	39	18 *
820	826	823	827	825	813	812	810	820		17 16	832	23 40	802	30	19
824	825	826	825	825	823	823	822	812		03 52	828	09 31	786	42	20
823	835	832	834	822	819	822	822	818		19 06	843	08 46	807	36	21
818	820	821	826	826	826	824	824	816		20 17	829	09 00	798	31	22 *
822	827	827	828	829	826	824	823	817		19 58	832	09 10	791	41	23 *
826	834	832	831	834	835	834	834	816		17 17	836	10 10	790	46	24 *
833	834	836	834	826	827	827	828	826		01 34	841	14 24	793	48	25
818	819	820	823	826	825	819	831	814		00 31	848	10 02	792	56	26
821	820	828	833	843	845	844	848	819		20 36	858	11 37	790	68	27
816	821	829	828	825	821	826	827	815		00 04	858	09 56	771	87	28
815	816	826	821	823	818	818	819	812		02 56	854	06 48	787	67	29 **
813	809	821	821	815	814	811	811	811		19 46	832	06 06	782	50	30
808	826	834	836	833	828	818	816	815		21 04	848	13 59	794	54	31
814	821	824	824	822	821	822	821	811		-	842	-	780	62.1	Mean
819	823	825	825	826	825	823	822	814		-	830	-	793	37.0	Mean *
807	817	819	817	816	816	828	821	804		-	862	-	753	108.2	Mean **
18000 γ + Tabular Quantities (in γ)															JUNE
808	807	814	820	821	820	817	815	815		05 53	834	10 39	775	59	1
816	832	826	820	826	822	823	824	814		17 01	845	12 33	789	56	2
814	818	825	823	822	821	819	816	817		18 10	832	08 48	805	27	3
814	818	821	821	819	821	820	819	813		19 56	824	07 18	788	36	4 *
817	818	820	823	824	825	824	823	812		21 01	826	09 03	788	38	5 *
852	863	858	863	864	859	835	806	830		19 48	884†	10 02	794	90	6
798	817	822	805	809	816	844	810	786		22 23	860	08 52	738†	122	7 **
794	814	823	826	822	822	840	821	801		22 21	852	10 30	765	87	8
801	807	816	816	821	820	816	816	798		21 04	826	11 33	762	64	9
821	816	825	834	831	826	824	825	809		19 57	842	10 00	770	72	10
832	830	826	826	826	828	833	825	815		16 22	843	09 48	782	61	11
817	821	826	826	822	821	822	822	812		19 14	832	11 00	782	50	12
820	819	815	818	826	829	827	826	814		21 36	836	09 55	787	49	13
826	826	823	824	825	824	826	825	815		15 16	832	09 54	790	42	14
807	820	830	834	831	820	821	822	817		18 42	839	12 47	794	45	15
817	809	817	820	826	825	824	824	816		15 53	830	12 33	799	31	16 *
811	818	816	814	809	820	816	817	812		01 13	830	09 18	790	40	17
828	824	826	827	815	792	793	788	814		04 24	847	13 46	761	86	18 **
827	835	841	825	833	831	832	826	814		18 28	857	00 04	779	78	19
806	821	821	829	827	824	823	818	807		00 19	848	11 19	763	85	20
821	822	828	827	825	825	826	825	813		00 16	833	09 24	775	58	21
817	825	828	826	825	823	823	822	811		18 32	831	11 02	776	55	22 *
818	824	828	833	829	823	823	824	816		19 37	839	10 06	793	46	23 *
810	813	826	832	835	833	835	839	820		23 52	843	16 54	801	42	24
835	832	842	834	838	821	817	811	821		21 20	858	13 46	786	72	25 **
809	820	831	822	824	831	824	822	809		01 22	857	08 07	742	115	26 **
823	827	826	831	834	822	824	834	814		20 03	863	11 42	775	88	27 **
824	838	841	823	825	824	823	823	816		18 06	850	08 48	781	69	28
813	829	840	829	820	822	823	828	817		18 30	853	11 30	794	59	29
837	838	851	843	820	815	821	823	818		18 47	869	10 58	792	77	30
818	823	828	826	826	824	824	821	813		-	844	-	781	63.3	Mean
817	819	823	825	825	823	823	822	814		-	830	-	789	41.2	Mean *
819	824	829	824	824	816	820	813	809		-	857	-	760	96.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
JULY	18000 γ + Tabular Quantities (in γ)																
1	823	815	813	816	818	815	809	807	808	806	800	798	805	815	815	813	
2 *	815	816	815	815	818	823	822	816	808	798	788	790	791	793	800	815	
3 *	823	821	820	823	822	823	817	813	809	811	809	806	805	802	802	811	
4	827	826	829	827	829	831	830	834	830	825	826	826	830	810	817	816	
5	823	823	819	835	841	835	803	804	804	801	794	792	792	794	799	808	
6	813	828	834	829	786	818	820	795	778	788	791	790	787	789	801	800	
7	815	815	823	820	815	810	807	804	796	780	776	775	799	810	809	821	
8	823	817	822	822	817	820	819	811	791	793	794	795	800	808	815	821	
9	817	822	827	815	812	812	793	801	799	796	803	801	795	800	805	812	
10	823	821	819	814	816	818	802	804	795	794	794	797	801	803	815	820	
11	820	819	820	815	811	814	806	810	806	798	792	799	805	806	808	818	
12	821	815	813	816	818	815	810	807	805	805	811	814	817	816	815	823	
13	826	832	832	826	826	825	818	809	803	798	794	799	802	808	813	818	
14 *	824	823	822	820	823	824	824	820	816	815	814	811	810	805	816	817	
15 *	838	833	831	832	833	834	832	829	825	816	813	814	815	815	819	821	
16	844	844	852	836	836	831	826	821	815	805	802	806	813	816	825	833	
17	831	838	848	850	840	854	853	837	808	787	792	791	782	782	798	803	
18	811	812	814	819	821	822	813	809	809	809	799	789	789	800	808	810	
19	808	808	809	814	816	812	804	794	786	785	786	784	789	792	802	818	
20	822	820	820	820	822	819	817	815	812	812	818	820	821	820	826	834	
21 **	830	829	829	831	833	838	833	833	841	831	809	809	776	803	812	831	
22	815	814	811	812	815	810	790	793	788	794	808	807	795	796	785	812	
23 **	826	818	819	822	825	817	804	804	806	807	804	801	802	809	798	796	
24 **	822	817	828	823	816	805	785	787	784	770	779	782	775	790	819	832	
25	822	817	822	824	819	806	814	796	794	800	794	788	790	808	810	817	
26	817	821	819	820	829	827	814	804	794	795	789	782	796	789	789	805	
27	842	842	823	813	803	804	799	788	786	790	795	797	808	803	801	799	
28	816	824	814	812	810	812	804	805	799	789	794	804	809	805	802	804	
29 *	819	821	820	821	821	822	818	814	809	804	800	803	807	806	809	819	
30 **	834	835	831	836	848	840	839	816	793	801	803	793	775	772	788	818	
31 **	852	834	816	808	804	813	815	804	799	794	792	798	783	794	808	811	
Mean	824	823	823	822	821	821	814	809	803	800	799	799	799	802	807	815	
Mean *	824	823	822	822	823	825	823	818	813	809	805	805	806	804	809	817	
Mean **	833	827	825	824	825	823	815	809	805	801	797	797	782	794	805	818	
AUGUST	18000 γ + Tabular Quantities (in γ)																
1	838	814	812	822	823	812	820	808	802	798	793	799	801	803	798	807	
2	824	824	819	822	814	804	780	793	786	781	780	794	801	805	805	807	
3	826	824	814	805	809	808	805	802	794	789	790	800	810	813	814	813	
4	827	819	815	812	815	814	807	792	792	785	782	781	792	788	814	814	
5	838	819	816	826	803	806	806	804	793	788	795	799	799	816	822	822	
6	816	821	822	823	821	806	801	805	804	802	804	802	806	806	807	803	
7	831	827	831	802	810	814	813	808	791	775	779	795	813	807	815	812	
8	832	828	827	817	820	814	813	806	795	793	795	804	808	811	806	808	
9	828	839	841	823	811	811	807	807	802	795	788	787	790	793	798	811	
10	832	831	831	828	827	823	814	807	801	796	801	804	812	813	819	806	
11 *	828	828	827	823	821	819	816	811	805	802	797	794	804	811	813	812	
12 *	824	826	826	827	824	818	810	803	800	799	798	798	801	813	820	819	
13 *	823	823	821	823	820	817	813	807	804	806	811	813	812	809	810	818	
14 *	821	826	828	823	824	821	813	809	808	809	813	814	817	819	826	830	
15	832	833	833	833	833	832	825	820	818	813	817	818	825	823	828	835	
16 *	825	823	821	823	820	820	815	808	802	804	811	818	825	821	822	821	
17	825	833	828	832	830	822	815	809	802	805	802	813	817	820	825	825	
18 **	819	821	821	826	831	828	819	821	809	817	805	801	812	772	753	795	
19 **	816	818	811	813	813	814	810	805	799	798	801	807	812	811	811	809	
20 **	793	797	817	823	798	779	776	759	764	750	741	733	747	772	778	783	
21 **	826	813	795	808	789	798	791	758	763	755	784	789	784	783	774	792	
22	805	807	805	806	808	808	799	788	781	793	802	804	809	806	799	804	
23	822	822	829	799	801	805	789	798	785	773	765	763	764	763	771	796	
24	815	831	821	803	806	805	806	798	787	774	777	786	788	791	789	795	
25	823	819	812	812	807	809	809	807	801	798	803	797	797	797	806	814	
26	816	821	816	816	813	806	805	804	803	800	805	807	810	812	811	812	
27	824	820	822	817	820	815	812	809	801	802	808	811	814	812	817	815	
28 **	815	814	814	818	812	812	802	797	802	792	766	765	782	797	802	804	
29	811	813	816	818	810	808	804	802	789	763	770	797	807	821	804	810	
30	823	821	814	814	814	812	811	811	812	810	803	800	804	807	806	814	
31	832	822	814	810	813	812	800	797	796	792	791	800	807	796	790	794	
Mean	823	822	820	818	815	812	807	802	796	792	793	797	802	804	805	810	
Mean *	824	825	825	824	822	819	813	808	804	804	806	807	812	815	818	820	
Mean **	814	813	812	818	809	806	800	788	787	782	779	779	787	787	784	797	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									18000 γ + Tabular Quantities (in γ)						JULY
										h m		h m		γ	
816	819	825	826	825	821	819	816	814		18 49	828	11 06	794	34	1
825	827	833	829	827	825	825	825	814		18 07	835	10 36	786	49	2 *
815	819	825	829	830	831	829	828	818		21 56	833	14 09	800	33	3 *
815	834	841	851	835	815	809	812	826		18 47	865	15 48	796	69	4
815	822	823	826	835	827	844	814	816		22 26	857	13 10	786	71	5
812	820	833	829	825	822	817	817	809		03 02	847	08 04	769	78	6
825	824	829	829	829	825	820	827	812		20 15	837	10 58	766	71	7
817	823	834	835	832	834	844	818	817		22 18	856	08 30	786	70	8
823	830	837	837	835	822	821	828	814		19 01	848	06 36	786	62	9
829	837	837	832	832	834	819	818	816		18 38	848	09 49	789	59	10
827	831	834	834	825	821	822	820	815		19 35	836	10 26	790	46	11
835	839	834	830	829	831	833	829	820		17 13	843	08 46	801	42	12
814	818	825	829	832	830	827	826	818		01 46	838	09 59	791	47	13
826	835	840	838	837	837	838	835	824		18 34	840	13 21	794	46	14 *
825	827	832	829	828	838	842	843	828		23 40	844	10 52	808	36	15 *
835	838	836	839	839	836	833	833	829		02 26	858	10 37	800	58	16
794	808	821	825	826	820	819	822	818		05 54	858	12 51	777	81	17
809	820	824	833	833	825	822	811	813		20 09	840	12 24	785	55	18
823	830	831	835	828	824	824	822	809		19 31	837	08 49	782	55	19
840	838	845	849	837	831	829	829	826		19 12	870	09 05	808	62	20
788	817	810	819	822	817	818	819	820		15 33	858	16 17	749	109	21 **
814	815	818	817	819	821	822	823	808		18 10	831	14 13	773	58	22
815	800	822	828	836	831	831	849	815		23 24	887	14 44	772	115	23 **
824	834	816	813	817	822	823	819	808		17 28	858	09 16	759	99	24 **
822	819	823	824	824	824	819	828	813		23 44	838	08 00	780	58	25
812	826	829	834	828	825	824	831	812		23 44	844	11 08	773	71	26
824	824	823	826	822	820	837	822	812		01 14	854	08 38	782	72	27
809	811	819	823	823	820	819	819	810		01 13	826	09 35	783	43	28
820	820	826	829	833	832	833	836	818		23 09	846	10 43	798	48	29 *
824	816	836	831	851	816	817	818	818		20 14	875	12 50	748†	127	30 **
821	836	824	829	825	829	825	846	815		23 49	891†	12 39	764	127	31 **
819	824	829	830	830	826	826	825	816		-	849	-	783	66.2	Mean
822	826	831	831	831	833	833	833	820		-	840	-	797	42.4	Mean *
814	821	822	824	830	823	823	830	815		-	874	-	758	115.4	Mean **
									18000 γ + Tabular Quantities (in γ)						AUGUST
817	822	833	839	831	828	824	822	815		00 00	876	14 17	786	90	1
822	832	846	839	837	823	824	832	812		18 37	854	09 11	772	82	2
823	827	831	831	834	828	823	820	814		20 13	839	08 49	787	52	3
814	828	833	834	824	822	815	827	810		23 57	840	13 13	773	67	4
821	819	826	828	839	834	825	828	816		20 59	846	09 21	783	63	5
814	824	833	829	832	844	832	826	816		21 38	855	11 22	794	61	6
817	818	828	826	826	826	827	829	813		02 23	840	09 42	770	70	7
808	815	821	827	829	833	833	829	816		00 10	839	08 46	788	51	8
815	823	823	826	826	836	837	838	815		02 23	846	12 12	779	67	9
808	813	815	825	828	829	829	829	818		00 26	835	15 05	786	49	10
813	812	813	822	827	828	829	825	816		21 56	834	11 20	789	45	11 *
823	824	826	829	833	828	824	823	817		20 17	839	11 20	794	45	12 *
819	827	831	833	828	823	823	827	818		18 55	836	08 49	804	32	13 *
830	829	833	837	836	837	837	835	824		21 32	840	07 44	807	33	14 *
838	835	837	832	823	822	813	820	827		18 08	848	22 13	807	41	15
831	822	824	826	829	826	823	821	820		16 18	842	08 23	801	41	16 *
833	831	835	836	838	824	828	820	823		20 23	854	10 28	798	56	17
804	813	820	821	818	817	828	815	812		04 59	840	14 02	729	111	18 **
813	832	817	819	797	791	763	789	808		18 53	848	22 27	766	82	19 **
796	793	801	801	811	817	813	814	786		02 42	856	12 06	721†	135	20 **
805	810	819	815	821	828	821	811	797		00 06	853	08 59	737	116	21 **
809	818	823	824	823	815	823	829	808		23 02	841	08 24	774	67	22
807	806	811	810	811	813	815	820	797		02 48	840	13 39	755	85	23
811	813	817	812	817	825	823	825	805		01 25	834	09 37	769	65	24
818	822	822	828	824	826	823	825	812		19 41	834	13 12	792	42	25
819	829	811	821	824	824	828	832	814		22 50	837	09 45	797	40	26
822	824	820	803	844	819	815	818	816		20 49	858	19 08	783	75	27
812	824	844	816	836	823	816	808	807		18 47	877†	11 07	756	121	28 **
814	821	823	814	825	822	817	819	808		18 26	834	09 58	755	79	29
810	820	817	817	821	819	822	840	814		23 54	868	11 06	791	77	30
830	814	817	823	824	822	822	847	811		00 00	863	14 51	783	80	31
817	821	824	824	826	824	822	824	812		-	847	-	778	68.4	Mean
823	823	825	829	831	828	827	826	819		-	838	-	799	39.2	Mean *
806	814	820	814	817	815	812	807	802		-	855	-	742	113.0	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
SEPTEMBER	18000 γ + Tabular Quantities (in γ)																
1	830	809	810	804	809	810	805	802	789	764	768	792	798	797	817	818	
2 *	818	819	812	812	812	810	805	801	796	794	798	807	814	818	817	814	
3	822	830	821	817	816	817	808	804	800	792	794	812	824	824	820	823	
4 *	817	818	817	819	816	812	812	810	805	803	802	807	813	814	813	818	
5	817	822	817	814	812	810	803	800	802	803	810	812	825	826	827	826	
6 *	834	820	813	814	817	820	813	812	807	803	797	794	800	804	810	812	
7 *	821	821	821	820	819	818	812	808	803	802	806	811	814	816	817	817	
8	826	823	830	834	826	813	820	819	816	813	802	786	767	777	806	814	
9	824	825	827	836	836	810	817	809	801	786	791	791	791	791	789	810	
10	820	825	822	826	820	817	817	810	803	803	801	799	802	808	817	820	
11	816	829	819	821	821	816	815	809	806	785	789	793	803	811	807	813	
12	825	823	821	809	815	805	801	808	797	797	799	803	811	806	811	819	
13 *	819	819	816	818	814	811	810	810	808	804	802	806	811	820	826	821	
14 **	838	819	821	814	814	841	840	766	746	755	736	755	728	749	735	761	
15	792	796	796	795	797	782	779	790	786	779	781	761	769	751	779	784	
16	792	801	794	786	789	812	799	783	776	771	763	749	766	793	796	793	
17	803	793	801	803	792	799	784	775	764	727	719	743	772	771	780	777	
18	803	795	796	797	799	801	800	794	782	780	783	776	787	791	796	784	
19	819	804	799	806	802	809	826	806	789	776	753	752	768	789	779	778	
20	810	825	809	806	804	800	808	808	799	786	781	780	785	792	791	790	
21	797	801	806	801	806	808	806	800	795	786	789	788	785	793	828	799	
22 **	813	809	823	812	837	826	752	711	729	759	759	742	754	741	757	770	
23 **	664	665	691	810	723	736	743	738	733	723	737	754	768	780	784	779	
24	782	782	781	779	781	788	789	791	790	778	776	775	774	775	780	785	
25 **	745	744	814	806	766	773	766	760	741	736	746	749	751	758	761	761	
26	800	797	797	804	812	834	801	811	801	788	774	763	767	771	782	797	
27	789	790	785	796	801	803	806	807	803	794	789	786	786	783	788	798	
28 **	778	779	786	822	790	821	819	805	785	787	783	771	759	748	766	775	
29	799	790	802	792	796	801	805	803	792	797	776	776	768	776	779	788	
30	805	820	824	797	803	813	808	802	809	802	789	790	786	791	796	799	
Mean	804	803	806	809	805	807	802	795	788	782	780	781	785	789	795	798	
Mean *	822	819	816	817	816	814	810	808	804	801	801	805	810	814	817	816	
Mean **	768	763	787	813	786	799	784	756	747	752	752	754	752	755	761	769	
OCTOBER	18000 γ + Tabular Quantities (in γ)																
1 *	809	808	807	811	812	811	813	809	800	793	791	792	798	805	807	809	
2 *	805	806	809	810	811	812	813	811	805	799	796	797	800	803	809	811	
3 *	815	811	811	812	816	817	818	819	807	799	792	794	799	803	801	799	
4	815	813	812	821	823	815	816	817	815	811	802	794	799	798	798	794	
5	813	820	815	815	820	822	830	831	829	812	793	800	804	808	806	807	
6	816	816	820	821	816	823	817	819	815	809	803	797	798	803	810	813	
7	819	821	821	820	820	821	820	824	821	814	802	795	797	805	809	813	
8	816	816	815	813	823	825	813	812	811	807	793	794	789	796	802	801	
9	816	817	813	813	811	810	815	816	813	809	800	796	800	807	815	815	
10	810	813	818	818	819	825	834	840	832	820	809	802	795	792	800	808	
11	815	813	813	814	813	818	825	812	810	812	797	768	772	778	801	793	
12 **	818	808	826	814	810	814	805	804	796	785	775	765	769	758	776	784	
13	809	808	805	800	793	796	798	804	798	790	798	794	781	793	785	794	
14 **	813	813	788	795	795	800	794	783	787	770	778	764	759	771	780	782	
15	815	818	816	807	803	808	798	801	798	798	792	780	788	794	798	808	
16	803	813	806	804	812	812	805	799	800	784	781	781	778	782	782	785	
17	810	806	808	811	810	814	822	817	815	801	794	792	788	795	800	804	
18	806	805	808	812	818	816	817	820	816	808	798	794	798	804	804	798	
19	811	811	812	812	821	820	823	820	815	805	800	800	801	799	793	788	
20	810	810	816	812	810	818	821	817	811	803	795	792	790	780	795	801	
21	810	815	815	815	805	814	825	828	820	805	790	792	799	800	798	796	
22 *	820	820	819	822	825	826	828	828	822	812	796	792	800	805	811	817	
23	825	823	823	825	826	828	831	830	825	814	807	804	808	812	818	816	
24 **	811	811	801	798	770	770	784	781	743	709	680	765	782	774	764	756	
25	779	798	782	786	793	798	800	795	793	788	780	775	780	782	789	794	
26	804	800	802	802	804	807	807	804	799	790	785	783	785	789	799	800	
27 *	811	810	810	810	810	811	813	812	806	798	792	793	798	805	806	811	
28	810	811	812	814	815	815	815	813	807	803	798	796	804	807	810	810	
29 **	804	802	812	818	823	820	819	815	804	791	788	788	799	791	780	790	
30 **	760	721	737	764	771	772	762	775	791	798	796	796	795	793	790	794	
31	796	796	795	799	805	808	810	813	803	800	792	793	799	803	804	803	
Mean	809	808	808	809	810	812	813	812	807	798	790	789	792	795	798	800	
Mean *	812	811	811	813	815	815	817	816	808	800	793	794	799	804	807	809	
Mean **	801	791	793	798	794	795	793	792	784	771	763	776	781	777	778	781	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Mean	Maximum		Minimum		Range	Date
										18000 γ + Tabular Quantities (in γ)					SEPTEMBER
										h m		h m		γ	
810	813	820	817	821	820	816	822	807		00 00	859	09 52	753	106	1
811	817	822	821	832	841	833	822	814		21 48	854	09 47	793	61	2 *
826	817	819	820	821	818	816	820	816		01 31	837	09 50	788	49	3
822	823	830	827	832	825	824	813	816		19 03	838	10 36	798	40	4 *
818	816	822	832	825	825	832	843	818		23 34	860	07 34	798	62	5
812	817	824	825	828	834	838	834	816		00 00	845	11 04	790	55	6 *
820	822	830	836	833	839	828	826	819		21 33	842	09 15	801	41	7 *
815	808	812	814	816	819	820	821	812		02 43	837	12 56	758	79	8
813	819	822	823	819	822	819	820	812		04 19	847	09 40	777	70	9
821	821	827	828	829	830	837	821	818		22 24	850	11 04	794	56	10
814	794	815	821	807	809	822	819	811		19 29	852	09 33	777	75	11
822	819	821	822	819	826	815	816	813		01 11	834	08 54	791	43	12
821	828	833	837	836	823	832	834	819		23 53	861	10 12	800	61	13 *
751	757	785	806	792	808	792	794	783		06 01	871	12 35	693	178	14 **
813	832	792	802	801	797	792	795	789		17 32	865	13 23	731	134	15
793	803	814	836	800	803	807	811	793		19 15	854	11 25	727	127	16
781	796	817	803	800	805	810	811	784		18 44	837	10 16	704	133	17
800	782	789	797	801	806	809	823	795		23 49	840	11 26	770	70	18
779	775	791	793	806	806	807	807	792		00 02	841	12 01	738	103	19
791	790	806	811	806	800	798	795	799		01 30	832	11 18	776	56	20
812	811	775	803	791	795	816	815	800		14 31	875	18 10	714	161	21
801	788	811	825	823	830	740	705	780		21 17	921†	24 00	627	294	22 **
771	781	792	799	797	792	785	784	755		03 04	861	01 53	488†	373	23 **
779	792	792	777	769	776	751	765	779		18 36	798	23 01	736	62	24
781	802	801	813	826	811	799	803	776		17 44	870	01 49	691	179	25 **
799	812	797	801	810	806	801	805	797		04 58	844	11 40	757	87	26
804	805	814	818	825	809	804	827	800		19 44	873	13 25	774	99	27
792	789	825	805	824	798	802	803	792		18 41	859	12 54	727	132	28 **
803	800	819	804	800	821	821	813	797		21 53	844	12 51	759	85	29
810	811	814	813	812	810	809	812	805		02 11	834	12 56	778	56	30
803	805	811	814	813	813	809	809	800		-	851	-	747	104.2	Mean
817	821	828	829	832	832	831	826	817		-	848	-	796	51.6	Mean *
779	783	803	810	812	808	784	778	777		-	876	-	645	231.2	Mean **
										18000 γ + Tabular Quantities (in γ)					OCTOBER
807	805	806	809	810	810	810	806	806		04 10	814	11 04	789	25	1 *
812	817	819	821	821	818	819	819	810		22 34	824	11 29	794	30	2 *
806	812	816	818	819	819	818	818	810		21 15	824	10 44	790	34	3 *
801	811	817	819	820	819	816	816	811		04 23	826	15 15	790	36	4
806	811	817	823	821	820	820	819	815		07 41	833	10 46	788	45	5
813	807	812	819	821	819	820	817	814		05 09	825	12 24	795	30	6
801	805	816	823	825	816	832	822	815		22 53	842	11 45	792	50	7
804	810	811	816	817	821	817	817	810		05 02	836	12 14	783	53	8
817	816	811	816	813	814	830	826	813		22 45	849	11 06	795	54	9
814	814	808	809	825	813	812	811	814		07 40	842	13 18	791	51	10
784	801	798	800	805	814	823	812	804		22 35	855	11 47	757	98	11
796	782	782	797	839	806	802	804	796		20 46	885†	13 11	734	151	12 **
800	808	813	824	811	843	856	813	805		22 05	867	12 19	767	100	13
762	770	794	827	814	807	806	815	790		19 22	840	16 25	733	107	14 **
808	813	814	839	813	811	834	810	807		22 16	852	11 33	775	77	15
788	817	796	799	819	810	810	811	799		17 34	838	12 46	772	66	16
800	803	807	807	809	810	809	809	806		06 22	825	12 18	786	39	17
800	805	802	795	800	808	806	807	806		07 41	822	11 50	793	29	18
790	799	809	806	806	806	809	812	807		06 30	826	15 39	785	41	19
804	795	795	794	796	800	811	810	804		22 38	837	12 54	773	64	20
800	808	811	815	819	821	821	820	810		07 16	833	10 19	788	45	21
821	825	828	829	830	831	829	827	819		21 20	834	11 38	792	42	22 *
819	826	828	832	816	816	819	819	820		19 36	835	11 40	802	33	23
766	776	779	767	786	791	815	786	774		22 24	832	10 18	649	183	24 **
798	798	800	805	802	803	800	801	792		06 44	808	00 31	766	42	25
803	801	808	809	809	812	813	816	801		22 56	819	11 10	780	39	26
812	815	812	815	816	814	812	811	808		19 54	825	10 50	792	33	27 *
810	795	798	791	800	798	798	803	806		05 15	816	19 31	784	32	28
754	746	706	694	659	672	668	698	768		04 06	826	22 18	582†	244	29 **
795	798	800	801	800	801	799	798	784		00 50	818	00 00	656	162	30 **
803	805	806	809	809	808	805	802	803		07 35	815	11 09	786	29	31
800	803	804	807	808	808	811	808	804		-	833	-	766	66.6	Mean
812	815	816	818	819	818	818	816	811		-	824	-	791	32.8	Mean *
775	774	772	777	780	775	778	780	782		-	840	-	671	169.4	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
NOVEMBER	18000 γ + Tabular Quantities (in γ)																
1	802	800	800	799	801	807	813	817	807	799	791	788	790	798	799	800	
2	802	801	805	812	812	811	812	811	806	800	798	799	800	808	806	800	
3	821	813	806	808	804	821	822	810	789	790	797	792	793	794	804	808	
4	809	808	808	808	808	809	813	813	810	802	798	804	807	806	806	812	
5 *	812	808	809	810	811	811	812	813	809	805	799	795	798	800	800	805	
6	820	820	819	816	817	823	828	827	820	812	808	805	806	805	789	791	
7 **	812	812	823	821	818	808	825	819	812	805	770	748	762	782	783	785	
8 **	785	800	784	803	803	794	770	801	800	795	792	769	751	777	774	779	
9 **	805	816	815	810	804	810	811	797	802	791	789	791	770	765	785	782	
10 **	803	799	811	812	804	797	810	806	804	779	764	777	777	786	800	799	
11	811	802	808	812	819	810	807	798	792	793	790	789	800	806	805	804	
12	810	809	810	810	819	815	818	816	807	795	790	794	799	805	807	793	
13	807	806	807	808	809	814	815	817	818	816	810	801	800	797	802	800	
14	810	808	809	815	817	825	825	827	820	814	810	807	808	809	809	808	
15	811	810	812	817	820	824	826	824	819	813	809	802	799	802	803	807	
16 *	815	814	819	819	819	819	819	822	822	818	814	813	813	812	813	815	
17	821	818	818	820	824	825	826	829	829	841	837	823	819	830	817	783	
18 *	810	808	810	812	811	812	811	809	803	797	793	797	803	808	811	812	
19 *	817	817	817	816	817	817	820	819	816	813	810	809	810	813	814	815	
20	816	814	821	826	818	819	821	821	818	814	811	811	814	815	814	817	
21 *	821	819	819	819	821	824	825	824	823	817	813	814	818	818	814	815	
22	819	818	819	819	823	825	827	827	827	823	816	814	820	828	831	833	
23	815	830	829	818	817	820	824	826	817	817	817	819	822	821	821	819	
24 **	819	819	817	821	837	837	836	833	831	821	808	801	797	787	790	792	
25	793	816	811	808	809	814	816	809	805	790	786	791	784	787	798	805	
26	815	815	816	818	819	820	822	824	816	817	814	812	809	811	814	815	
27	816	817	819	821	824	827	829	823	820	811	804	803	807	811	814	817	
28	818	819	819	820	833	829	829	829	824	817	810	807	804	812	821	823	
29	819	818	818	821	824	827	829	831	831	827	823	813	813	817	818	814	
30	821	815	813	817	819	821	833	833	832	826	818	801	757	799	819	809	
Mean	812	812	813	815	816	817	819	818	814	809	803	800	798	804	806	805	
Mean *	815	813	815	815	816	817	817	817	815	810	806	806	808	810	810	812	
Mean **	805	809	810	813	813	809	810	811	810	798	785	777	771	779	786	787	
DECEMBER	18000 γ + Tabular Quantities (in γ)																
1	813	813	813	817	819	823	824	824	824	822	817	816	816	815	814	809	
2	819	819	821	819	820	829	829	828	825	820	814	813	810	810	802	797	
3 **	823	815	827	829	818	830	835	809	809	822	809	786	775	771	774	797	
4 **	804	805	804	799	809	818	808	816	819	815	809	805	790	788	793	794	
5 **	808	807	798	803	803	810	818	818	819	809	803	813	815	801	772	783	
6 **	811	817	814	813	806	808	822	825	814	811	812	808	789	807	802	817	
7	816	827	819	816	813	815	810	812	807	806	808	810	788	805	801	796	
8	830	819	818	823	819	813	830	821	814	807	805	805	794	803	805	802	
9	816	817	818	819	821	827	832	824	823	819	806	809	809	807	800	807	
10 *	819	819	819	821	823	826	828	830	829	824	818	815	815	817	819	820	
11 *	822	823	825	829	831	831	832	831	829	826	819	815	813	815	818	820	
12	821	828	826	827	830	834	835	835	836	836	831	826	822	820	819	819	
13	815	817	824	824	829	821	827	829	829	829	827	825	822	821	818	818	
14	818	819	822	826	827	829	832	834	829	829	832	834	828	819	808	795	
15	817	813	814	817	818	819	818	824	824	821	819	813	809	814	818	815	
16	817	816	819	819	821	824	826	824	824	823	823	824	819	819	821	819	
17	819	818	819	820	822	825	826	826	827	824	822	823	824	823	821	821	
18 *	825	822	821	822	824	828	830	831	833	829	827	826	826	827	829	830	
19	826	824	824	825	827	830	832	834	835	831	825	825	828	833	835	834	
20 **	807	810	818	826	833	843	828	848	843	833	822	820	818	808	806	804	
21	815	815	815	818	820	824	826	833	824	814	816	824	832	820	818	817	
22	813	814	816	821	827	832	832	826	828	817	807	812	815	796	800	807	
23	816	816	817	818	822	827	824	826	820	806	813	818	822	822	823	820	
24	828	809	812	813	818	820	822	821	818	815	813	814	817	813	811	820	
25 *	821	821	822	823	825	826	827	826	825	818	805	815	820	822	823	824	
26	820	819	820	822	825	830	828	829	827	820	819	820	823	823	823	820	
27	815	818	823	827	828	829	835	837	830	826	826	823	821	823	826	828	
28	829	828	823	825	828	832	834	838	846	834	830	829	828	828	828	828	
29	822	816	827	824	826	829	833	830	834	832	828	807	789	791	792	796	
30	817	809	809	814	816	816	817	818	818	813	810	811	814	817	815	814	
31 *	818	817	816	818	820	823	823	824	826	818	816	818	821	821	822	822	
Mean	818	817	818	820	822	825	827	827	825	821	817	816	813	813	811	813	
Mean *	821	820	821	823	825	827	828	828	828	823	817	818	819	820	822	823	
Mean **	811	811	812	814	814	822	822	823	821	818	811	806	797	795	789	799	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Date
18000 γ + Tabular Quantities (in γ)																	NOVEMBER
										h	m		h	m		γ	
803	804	795	800	809	809	811	807	802		07	16	821	11	48	784	37	1
786	779	795	801	810	807	805	809	803		20	38	821	16	26	767	54	2
809	812	807	799	804	830	822	808	807		21	33	854†	08	21	781	73	3
811	812	814	814	812	811	811	815	809		23	22	821	10	12	795	26	4
809	812	814	815	818	819	819	820	809		23	30	823	11	35	795	28	5 *
804	812	804	802	799	818	821	809	811		21	59	847	15	01	783	64	6
761	748	748	787	811	782	794	795	792		06	47	832	18	46	726†	106	7 **
773	805	795	794	823	833	798	802	792		20	44	853	12	31	743	110	8 **
788	789	818	789	774	800	807	792	796		18	36	854†	12	56	750	104	9 **
795	795	803	795	820	814	804	833	799		23	29	852	10	43	758	94	10 **
798	810	802	804	804	811	810	826	805		23	04	836	11	16	780	56	11
776	782	814	805	810	809	809	818	805		18	38	832	16	34	773	59	12
804	808	810	812	815	813	814	819	809		23	20	823	15	14	794	29	13
812	817	819	819	819	817	813	812	815		05	50	829	11	56	804	25	14
809	814	817	817	818	816	817	817	813		06	25	826	12	06	797	29	15
818	819	821	821	820	818	818	821	818		08	22	823	14	40	810	13	16 *
798	787	805	823	821	816	814	813	818		09	35	850	15	37	761	89	17
814	816	819	815	820	819	819	818	810		18	25	822	10	09	792	30	18 *
815	819	821	823	824	824	824	820	817		22	18	826	11	54	808	18	19 *
819	821	824	826	824	824	824	824	819		03	10	831	10	58	810	21	20
815	816	817	820	821	822	822	821	819		08	09	825	10	25	811	14	21 *
827	810	787	805	811	815	819	819	819		15	48	838	18	23	784	54	22
819	821	822	819	815	819	819	820	820		01	37	839	08	58	811	28	23
772	774	779	773	782	794	779	791	804		05	01	841	16	40	757	84	24 **
803	809	809	814	814	814	814	814	805		01	20	823	12	57	777	46	25
816	818	819	819	818	817	817	817	817		07	10	825	12	46	807	18	26
823	825	825	826	819	809	811	814	817		06	09	831	11	00	799	32	27
824	824	827	825	823	822	820	820	821		04	35	838	12	16	802	36	28
820	829	833	832	826	814	814	814	822		18	28	835	23	41	800	35	29
808	813	804	814	817	817	823	819	814		06	54	836	12	42	732	104	30
804	807	809	810	813	814	813	814	810		-		834	-		783	50.5	Mean
814	816	818	819	821	820	820	820	815		-		824	-		803	20.6	Mean *
778	782	789	788	802	805	796	803	797		-		846	-		747	99.6	Mean **
18000 γ + Tabular Quantities (in γ)																	DECEMBER
815	820	821	824	825	824	822	819	819		22	31	826	15	29	802	24	1
807	805	790	808	819	825	825	823	816		21	23	838	18	00	785	53	2
784	786	795	786	808	853	803	803	806		21	07	886†	17	26	759†	127	3 **
792	784	808	821	841	819	788	823	806		20	10	852	12	54	773	79	4 **
787	815	797	819	812	800	801	807	805		19	45	853	14	14	759†	94	5 **
813	827	829	803	807	818	819	818	813		21	37	846	12	26	782	64	6 **
800	807	811	814	815	816	812	816	810		01	26	832	12	55	781	51	7
806	807	819	809	810	824	817	817	813		00	45	845	12	34	785	60	8
816	820	823	823	821	820	820	819	817		06	32	834	14	40	796	38	9
822	824	825	824	824	824	823	822	822		07	24	832	12	24	814	18	10 *
824	825	824	825	827	826	823	821	824		06	24	833	12	28	811	22	11 *
818	818	820	821	819	824	822	825	826		08	38	837	17	07	816	21	12
822	825	825	823	820	821	819	819	823		04	00	833	00	38	812	21	13
802	818	820	810	803	809	818	817	820		10	53	836	15	22	789	47	14
814	818	824	824	824	823	821	819	818		08	50	828	11	55	807	21	15
825	819	819	820	821	826	824	824	822		16	58	827	01	25	812	15	16
821	823	820	818	819	825	828	825	822		22	21	831	19	22	816	15	17
828	827	828	830	829	830	827	827	827		08	12	834	02	49	820	14	18 *
830	827	827	830	834	831	822	813	828		08	17	836	23	36	805	31	19
796	803	803	799	803	800	809	813	816		07	49	866	19	43	790	76	20 **
807	807	808	810	818	816	818	814	818		22	58	841	23	44	802	39	21
809	802	786	816	805	812	824	826	814		05	55	838	18	49	780	58	22
805	791	802	810	814	813	813	820	816		24	00	840	16	53	783	57	23
818	808	812	812	827	819	816	820	817		00	04	841	17	30	803	38	24
825	823	822	822	821	822	823	821	822		06	28	827	10	27	803	24	25 *
821	824	826	824	821	818	818	815	822		05	32	832	23	07	812	20	26
830	828	826	823	825	825	825	823	826		06	40	840	00	32	813	27	27
829	820	818	816	827	815	817	824	827		08	22	855	20	09	803	52	28
784	802	805	817	813	814	819	818	815		08	53	836	16	23	766	70	29
821	819	818	816	816	816	816	819	815		23	25	824	15	00	804	20	30
823	823	823	823	822	822	819	822	821		08	19	826	02	42	814	12	31 *
813	814	815	817	819	820	818	819	818		-		839	-		797	42.2	Mean
824	824	824	825	825	825	823	823	823		-		830	-		812	18.0	Mean *
794	803	806	806	814	818	804	813	809		-		861	-		773	88.0	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JANUARY	43000 γ + Tabular Quantities (in γ)																
1	527	526	526	527	526	526	528	528	527	523	522	520	515	520	525	530	
2 *	524	524	524	525	525	526	527	528	528	526	523	520	517	519	525	527	
3	521	521	521	521	520	520	521	521	525	523	523	520	514	518	524	524	
4	527	522	520	520	520	519	520	520	522	524	522	517	515	520	523	528	
5	529	527	526	525	525	524	524	526	528	529	529	520	516	524	528	529	
6 *	525	525	524	523	523	523	523	524	524	526	526	526	523	528	530	525	
7	524	521	521	519	520	518	518	518	518	517	520	520	519	521	526	528	
8	526	526	526	524	524	524	524	521	520	520	519	520	518	520	526	531	
9 *	523	523	525	526	523	522	521	519	519	519	518	518	516	516	523	528	
10	523	521	521	521	521	521	520	519	518	518	516	516	513	516	522	526	
11	520	521	523	523	523	521	521	519	516	515	511	508	506	507	515	521	
12	524	525	526	528	526	525	525	525	523	520	519	516	511	515	519	523	
13 **	524	525	517	511	509	506	510	512	514	512	516	517	517	518	525	532	
14 **	512	514	514	516	517	516	519	521	522	522	521	529	522	520	527	539	
15 **	521	517	519	520	512	511	512	519	519	520	521	522	525	527	531	534	
16	522	509	511	517	520	522	522	525	525	522	521	519	519	520	531	547	
17	519	518	520	522	523	523	520	522	528	526	525	525	521	521	531	531	
18	525	521	520	522	521	519	521	523	527	527	527	522	515	519	528	530	
19	506	513	520	521	522	523	523	526	527	531	532	531	523	526	534	541	
20	525	524	526	526	526	526	526	526	526	526	528	524	519	525	531	532	
21	529	528	528	526	526	525	525	525	526	527	528	528	523	526	530	529	
22	528	525	525	525	525	523	523	523	525	526	523	523	522	523	526	527	
23	528	525	525	525	523	522	522	520	520	522	520	519	521	523	528	528	
24	523	525	523	523	523	522	522	519	519	520	521	522	520	522	526	525	
25	521	521	523	522	525	525	525	523	521	518	517	515	515	521	531	531	
26	524	526	527	527	526	526	525	524	522	518	515	516	517	521	525	527	
27 *	522	523	524	524	525	525	524	522	521	519	517	519	519	521	522	522	
28 *	521	522	522	523	524	525	525	524	521	518	516	514	514	520	528	524	
29	521	522	523	524	524	525	526	525	522	518	515	510	513	517	519	518	
30 **	524	524	522	522	520	517	515	514	510	512	512	516	517	529	532	529	
31 **	529	521	519	515	501	479	475	486	497	507	515	521	533	544	564	581	
Mean	523	522	522	522	522	520	520	521	521	521	521	520	518	522	528	531	
Mean *	523	523	524	524	524	524	524	523	523	522	520	519	518	521	526	525	
Mean **	522	520	518	517	512	506	506	510	512	515	517	521	523	528	536	543	
FEBRUARY	43000 γ + Tabular Quantities (in γ)																
1	536	534	535	534	533	532	534	533	529	527	527	527	529	534	538	541	
2 *	529	529	530	529	528	528	529	531	529	531	536	536	534	536	537	534	
3	530	527	526	527	527	528	527	530	530	531	529	524	522	524	529	530	
4	527	526	525	524	523	524	525	526	529	528	529	529	530	528	530	530	
5	528	528	527	527	525	525	525	526	527	526	527	525	525	526	529	530	
6	527	525	525	523	523	523	522	523	523	522	518	519	517	520	525	528	
7	525	525	525	525	523	523	522	522	520	518	515	511	511	513	518	525	
8 *	524	525	525	527	527	525	523	520	516	515	513	515	515	516	518	523	
9	520	522	523	523	523	523	520	518	515	514	513	515	515	513	516	520	
10 **	552	549	525	516	517	523	520	515	516	520	520	523	530	545	542	542	
11 **	513	515	521	527	530	525	525	523	523	518	520	517	518	523	527	537	
12 **	521	516	512	518	521	522	522	524	526	529	524	523	522	528	529	532	
13 **	514	516	516	519	523	526	523	523	524	523	522	523	526	529	532	548	
14 **	517	514	519	523	523	528	529	529	526	529	524	519	518	520	526	532	
15	524	524	524	526	527	527	527	527	527	524	519	518	519	526	532	530	
16	524	524	524	526	526	527	527	526	526	523	523	522	521	522	523	527	
17	524	524	523	524	524	525	523	522	521	521	518	513	509	511	519	521	
18	525	524	522	523	524	524	522	522	522	520	515	513	509	512	514	519	
19 *	523	523	522	522	522	522	520	519	519	519	515	513	512	512	514	515	
20	523	522	522	520	518	517	515	515	514	515	515	514	514	513	515	520	
21	525	525	526	525	523	522	520	517	517	517	515	513	512	514	516	522	
22	526	526	526	525	524	523	522	518	516	516	514	513	512	516	522	526	
23	523	524	525	524	523	522	520	517	515	511	505	503	507	514	521	525	
24 *	523	524	524	525	524	523	522	520	520	517	511	506	506	511	518	524	
25	524	521	520	522	524	523	522	520	521	519	513	510	510	512	516	523	
26	520	521	523	525	525	525	522	521	520	514	506	505	509	514	521	526	
27 *	520	521	523	524	525	525	525	521	521	518	510	505	507	511	513	518	
28	520	520	520	520	521	521	523	521	520	516	511	506	505	508	514	520	
Mean	525	524	524	524	524	524	523	522	522	521	518	516	517	520	523	527	
Mean *	524	524	525	525	525	525	524	522	521	520	517	515	515	517	520	523	
Mean **	523	522	519	521	523	525	524	523	523	524	522	521	523	529	531	538	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
										h m		h m			
43000 γ + Tabular Quantities (in γ)															JANUARY
530	532	534	534	534	533	530	529	527		19 20	535	12 14	513	22	1
525	527	527	525	527	527	524	524	525		06 56	528	12 32	515	13	2 *
524	524	524	525	525	526	525	525	522		21 37	526	12 35	511	15	3
526	534	538	545	540	535	532	530	526		19 32	546	12 14	512	34	4
529	528	528	527	528	529	528	526	526		21 52	530	12 23	513	17	5
523	523	522	523	523	523	523	523	524		13 58	530	17 45	521	9	6 *
529	533	530	530	528	528	526	526	523		17 33	537	09 33	516	21	7
528	526	525	525	526	524	523	523	524		15 17	531	12 15	517	14	8
529	526	523	522	521	520	520	521	522		15 52	529	12 13	514	15	9 *
528	527	526	523	523	521	520	520	521		16 12	529	12 40	510	19	10
523	525	533	543	540	531	528	526	522		19 35	546	12 44	504	42	11
525	525	525	525	525	529	526	523	523		21 44	531	12 30	510	21	12
531	534	537	536	536	532	532	516	522		17 53	541	05 13	502	39	13 **
551	542	539	549	532	529	525	524	526		19 16	572	00 58	509	63	14 **
532	532	532	536	537	531	529	527	524		20 07	549	06 04	502	47	15 **
539	534	532	533	547	530	522	517	525		20 18	557	01 51	504	53	16
533	545	535	534	535	532	530	525	527		17 30	553	01 30	515	38	17
531	532	531	533	530	528	527	518	525		19 54	536	24 00	502	34	18
537	543	537	538	539	542	532	527	529		17 27	551	00 03	500	51	19
531	528	527	527	529	531	531	530	527		14 48	532	12 25	518	14	20
528	528	528	527	528	528	527	526	527		00 05	529	12 28	520	9	21
525	525	525	526	528	529	528	528	525		23 58	529	12 50	520	9	22
528	527	526	527	527	528	525	522	524		00 02	530	10 55	518	12	23
525	523	524	525	533	541	531	520	524		21 22	542	09 51	517	25	24
531	531	532	528	525	523	522	522	524		18 52	536	11 52	513	23	25
528	528	527	526	523	522	522	522	524		16 59	528	10 51	513	15	26
523	525	525	524	523	522	521	520	522		04 47	525	10 01	515	10	27 *
523	529	529	528	527	525	522	521	523		18 05	529	12 27	512	17	28 *
519	524	526	528	533	536	539	530	523		22 26	540	11 29	510	30	29
533	541	546	537	541	554	551	538	527		21 12	559	08 43	507	52	30 **
591	590	583	575	559	547	542	539	534		16 46	596†	05 56	472†	124	31 **
531	532	531	532	531	530	528	525	525		-	540	-	510	29.2	Mean
525	526	525	524	524	523	522	522	523		-	528	-	515	12.6	Mean *
548	548	547	547	541	539	536	529	527		-	563	-	498	65.0	Mean **
43000 γ + Tabular Quantities (in γ)															FEBRUARY
542	549	549	548	549	546	534	524	536		20 41	552	23 08	519	33	1
530	529	530	529	532	531	531	531	531		14 30	537	00 00	525	12	2 *
529	529	530	531	531	529	528	529	528		08 02	531	12 29	522	9	3
527	527	528	531	534	532	530	530	528		20 34	538	04 26	523	15	4
530	530	528	528	528	528	528	527	527		15 15	530	12 23	523	7	5
528	528	527	526	527	527	527	526	524		17 10	529	12 39	516	13	6
525	525	523	523	525	525	526	525	522		20 36	527	11 58	509	18	7
522	523	523	521	520	520	520	521	521		03 20	527	10 40	513	14	8 *
518	518	518	519	518	521	526	542	520		23 51	555	09 45	512	43	9
546	547	547	550	542	518	522	517	531		20 55	561	21 26	506	55	10 **
547	538	535	540	537	530	525	518	526		16 43	554	00 42	510	44	11 **
533	534	536	538	536	534	522	518	526		19 50	542	01 56	509	33	12 **
556	551	541	549	532	531	533	521	529		19 22	572†	00 39	509	63	13 **
537	533	536	534	533	528	528	528	526		20 10	539	01 05	513	26	14 **
530	533	533	530	531	529	528	527	527		17 47	534	11 53	516	18	15
533	531	530	529	528	528	528	526	526		16 19	535	12 34	519	16	16
522	524	526	526	525	526	527	526	522		23 10	527	12 39	507	20	17
522	524	524	524	524	524	524	524	521		00 00	525	12 03	509	16	18
517	519	522	522	521	521	523	523	519		00 00	524	13 02	510	14	19 *
520	522	521	524	527	530	536	530	520		22 57	540	12 08	510	30	20
528	530	529	529	527	526	529	528	522		16 53	531	11 39	510	21	21
526	525	526	526	523	524	521	522	522		21 15	529	12 02	510	19	22
527	528	527	525	523	522	522	522	520		17 13	528	11 18	500†	28	23
526	524	523	523	522	521	521	523	520		16 04	526	12 14	504	22	24 *
525	524	525	524	524	521	521	521	520		18 56	526	12 20	508	18	25
530	528	528	526	525	523	521	520	521		16 45	530	11 14	501	29	26
524	524	524	524	524	523	521	520	520		18 31	526	11 22	504	22	27 *
523	522	524	524	524	522	521	523	519		23 42	526	12 15	504	22	28
529	529	529	529	528	526	526	525	524		-	536	-	511	24.3	Mean
524	524	524	524	524	523	523	524	522		-	528	-	511	16.8	Mean *
544	541	539	542	536	528	526	520	528		-	554	-	509	44.2	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MARCH	43000 γ + Tabular Quantities (in γ)																
1 **	524	524	521	523	519	516	516	514	512	513	507	504	509	514	522	529	
2	518	519	521	522	522	523	522	522	523	520	514	510	509	511	512	518	
3	522	521	521	520	519	521	520	520	520	520	514	512	513	513	515	520	
4	519	518	519	519	518	519	518	519	519	514	511	511	511	512	516	521	
5	524	524	523	521	520	519	519	520	521	518	509	500	503	510	514	516	
6	524	524	523	522	522	519	518	518	519	518	515	511	512	515	519	524	
7	524	524	524	523	522	521	519	521	522	521	512	504	504	506	511	518	
8 **	522	517	516	515	514	515	512	506	511	512	503	499	502	514	523	531	
9 **	522	522	522	523	517	519	519	518	517	518	512	510	511	519	526	531	
10 **	520	515	516	515	513	514	509	510	513	513	513	510	512	526	546	571	
11 **	491	502	506	511	515	521	522	523	523	521	516	514	513	517	524	534	
12	516	515	512	519	521	522	522	524	525	521	512	507	511	519	529	539	
13	522	524	525	526	526	526	526	526	524	519	516	514	513	515	525	534	
14 *	522	522	522	525	526	526	526	526	525	521	516	511	506	511	517	526	
15	522	522	522	522	523	524	524	524	525	522	513	507	505	508	517	523	
16 *	522	522	522	523	523	523	523	525	524	515	508	506	503	509	515	522	
17	523	523	523	523	524	524	523	526	526	520	512	506	504	505	510	516	
18	521	521	522	523	523	523	524	524	523	521	516	507	499	501	512	522	
19	527	525	526	524	520	517	517	516	517	514	511	508	509	514	522	529	
20	521	521	521	523	524	524	523	524	523	518	515	514	514	516	519	523	
21	523	523	523	521	521	522	523	523	523	519	511	505	507	514	522	528	
22 *	525	524	524	523	523	522	522	524	525	522	517	513	511	513	517	522	
23	524	525	525	524	522	520	518	519	520	514	504	503	503	509	517	528	
24	526	527	527	527	526	524	522	523	521	516	508	509	511	516	519	523	
25	520	522	523	524	524	524	523	523	519	509	503	500	503	509	519	527	
26 *	522	524	525	526	526	525	524	524	523	518	512	505	502	508	517	525	
27 *	522	522	524	525	525	525	525	525	524	517	504	495	495	504	515	524	
28	520	520	522	524	524	524	522	524	520	515	505	498	495	499	508	517	
29	517	517	518	517	519	520	522	520	518	514	508	499	495	500	509	519	
30	519	519	519	520	520	522	524	525	524	517	509	500	498	504	510	518	
31	519	519	519	520	520	521	522	524	522	516	508	500	497	501	510	518	
Mean	521	521	521	522	521	521	521	521	521	517	511	506	506	511	518	526	
Mean *	523	523	523	524	525	524	524	525	524	519	511	506	503	509	516	524	
Mean **	516	516	516	517	516	517	516	514	515	515	510	507	509	518	528	539	
APRIL	43000 γ + Tabular Quantities (in γ)																
1	521	518	514	514	515	508	504	505	509	510	507	501	497	502	508	515	
2	522	522	522	520	519	519	521	524	523	518	508	501	496	501	509	518	
3	518	517	519	521	519	519	521	524	522	518	514	505	502	507	513	519	
4 **	523	523	521	520	518	518	517	518	517	512	507	503	496	500	507	517	
5 **	515	501	505	517	507	504	507	512	513	511	507	507	507	518	528	536	
6 **	512	517	519	520	522	522	523	522	519	519	511	513	508	513	522	530	
7	518	519	523	524	524	524	522	523	518	515	512	507	506	512	521	531	
8	516	520	522	525	525	524	524	525	522	516	507	502	504	508	514	519	
9	524	524	525	525	524	524	525	524	518	513	505	505	505	509	518	523	
10 *	523	524	526	526	526	526	526	525	519	512	505	505	502	505	513	519	
11 *	521	522	523	524	524	524	525	525	522	514	502	496	493	497	508	517	
12	521	516	517	520	522	523	524	523	519	509	503	495	489	494	506	517	
13	523	523	523	521	523	523	524	524	519	508	499	498	494	499	512	520	
14 **	526	520	523	525	526	527	527	526	523	516	507	504	497	503	519	534	
15	512	507	497	508	517	519	520	520	516	509	501	494	494	506	515	522	
16	515	514	515	515	519	521	524	528	524	518	507	498	495	499	510	519	
17	522	519	515	517	520	520	520	520	520	517	509	506	497	496	505	515	
18	525	525	524	522	522	523	522	522	522	521	516	509	503	505	513	523	
19	520	518	521	522	522	521	521	517	513	503	496	495	494	498	509	517	
20	518	519	520	521	521	522	523	524	520	517	515	507	504	514	524	533	
21 *	526	526	525	525	524	522	524	522	518	514	505	502	504	513	520	521	
22	524	523	516	519	523	524	523	522	518	513	503	499	500	506	515	521	
23	524	523	522	517	517	520	519	517	510	506	501	498	501	515	526	531	
24 *	525	526	528	528	529	529	526	524	518	510	507	507	506	514	522	526	
25	522	520	522	524	525	526	522	519	516	508	497	491	497	508	519	524	
26	518	519	522	523	522	523	524	523	517	508	497	489	490	499	513	523	
27	518	518	520	521	523	523	522	520	516	508	498	491	490	500	512	522	
28 *	523	523	523	524	527	527	527	526	521	508	498	490	486	494	502	509	
29	520	520	520	521	521	522	520	517	511	508	505	497	492	497	507	513	
30**	520	519	518	520	521	522	520	519	517	507	497	490	487	495	507	510	
Mean	520	520	520	521	522	522	522	521	518	512	505	500	498	504	514	521	
Mean *	524	524	525	525	526	526	526	524	520	512	503	500	498	505	513	518	
Mean **	519	516	517	520	519	519	519	519	518	513	506	503	499	506	517	525	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
										h m		h m			
						43000 γ + Tabular Quantities (in γ)									MARCH
536	538	533	532	531	531	528	524	522		21 03	538	11 10	502	36	1 **
521	524	523	524	524	524	524	523	520		20 00	525	12 01	506	19	2
523	522	522	523	524	528	524	521	520		21 40	534	11 19	509	25	3
523	521	523	524	523	524	525	525	519		22 24	525	11 07	508	17	4
520	521	522	522	525	526	523	523	518		20 57	529	11 40	499	30	5
526	526	529	529	531	527	526	525	522		20 34	532	11 55	509	23	6
522	521	517	516	517	524	534	525	519		22 46	538	12 10	500	38	7
541	547	553	539	541	529	523	527	521		18 07	567	11 34	495	72	8 **
535	533	529	527	526	529	515	515	521		21 47	541	11 40	507	34	9 **
556	577	544	539	525	514	509	507	524		17 50	610†	23 54	500	110	10 **
537	537	532	539	529	522	524	519	520		20 03	547	00 23	483†	64	11 **
537	534	532	534	529	525	524	524	523		15 42	540	11 19	505	35	12
532	535	534	532	531	527	525	523	525		18 09	535	12 51	510	25	13
527	527	527	527	526	524	522	521	522		19 16	528	12 30	505	23	14 *
528	528	527	527	526	525	523	523	521		16 40	529	12 45	503	26	15
526	525	524	523	524	523	523	523	520		17 15	527	12 38	501	26	16 *
524	527	528	530	534	530	523	520	521		20 43	536	12 49	502	34	17
529	533	531	530	528	530	530	530	522		17 30	534	12 51	497	37	18
534	531	529	532	534	534	531	520	523		21 50	536	11 30	507	29	19
526	524	523	523	524	530	528	526	522		21 27	532	11 50	512	20	20
530	528	527	526	525	525	525	525	522		16 20	530	11 33	503	27	21
524	523	520	520	520	521	524	524	521		08 31	526	12 45	510	16	22 *
531	529	527	525	526	526	527	526	520		16 22	532	11 19	501	31	23
526	527	526	524	524	524	524	521	522		17 17	529	10 49	507	22	24
529	528	524	521	521	520	520	520	519		16 51	529	11 40	498	31	25
530	532	530	529	527	524	522	521	522		17 06	532	12 39	500	32	26 *
526	525	526	525	523	520	520	519	519		16 17	526	12 09	491	35	27 *
524	525	525	525	524	520	520	519	517		18 21	525	12 15	493	32	28
525	527	525	525	525	524	522	520	517		17 00	527	12 05	493	34	29
525	527	526	525	525	524	520	520	518		17 34	528	12 14	495	33	30
524	525	525	525	524	523	524	524	518		22 57	528	12 42	496	32	31
529	530	528	527	526	525	524	522	521		-	535	-	502	33.8	Mean
527	526	525	525	524	522	522	522	521		-	528	-	501	26.4	Mean *
541	546	538	535	530	525	520	518	522		-	561	-	497	63.2	Mean **
						43000 γ + Tabular Quantities (in γ)									APRIL
522	526	526	525	525	524	524	523	514		18 09	528	12 56	497	31	1
522	526	531	528	528	528	527	525	519		18 46	534	12 02	496	38	2
523	524	524	522	522	522	522	522	518		17 19	527	12 26	501	26	3
522	526	535	551	530	524	525	523	519		19 18	557	12 46	495	62	4 **
543	539	549	530	525	526	521	512	518		18 19	562	01 26	495	67	5 **
534	535	533	530	528	525	516	516	521		21 23	539	10 46	507	32	6 **
540	536	530	526	524	525	525	519	522		16 31	542	11 29	505	37	7
526	528	531	528	524	521	521	522	520		18 11	534	11 34	501	33	8
529	536	534	528	524	524	521	521	521		17 26	539	11 57	503	36	9
527	529	528	526	525	522	521	521	520		17 58	531	13 01	501	30	10 *
524	528	526	526	523	521	520	520	518		17 48	529	12 50	491	38	11 *
525	529	532	531	530	530	525	524	518		20 18	533	12 38	488	45	12
531	544	553	552	544	539	539	535	524		18 36	556	12 39	492	64	13
541	541	537	534	535	529	525	520	524		16 39	543	12 48	497	46	14 **
528	530	531	532	529	527	524	522	516		19 19	534	11 55	492	42	15
525	529	529	527	529	524	524	524	518		17 59	531	12 31	494	37	16
523	527	532	530	526	525	525	525	518		18 09	534	12 54	493	41	17
525	531	540	538	540	534	525	523	523		21 04	553	12 36	502	51	18
517	520	526	523	523	524	524	524	515		18 12	528	12 50	494	34	19
535	535	531	528	527	526	525	526	522		16 16	538	12 11	503	35	20
523	526	528	525	523	523	523	523	520		17 45	528	11 48	499	29	21 *
526	528	529	529	531	528	521	524	519		21 01	540	11 39	498	42	22
532	532	531	526	523	522	522	522	519		16 29	534	11 14	498	36	23
528	529	528	525	522	522	522	522	522		03 42	529	12 09	505	24	24 *
527	528	527	526	523	523	522	520	518		17 41	530	11 37	492	38	25
527	528	528	527	526	524	519	519	517		18 31	529	11 38	488	41	26
528	534	542	551	540	532	527	524	520		19 38	562	11 48	487	75	27
517	522	525	526	524	524	521	520	516		05 55	528	12 26	485†	43	28 *
518	522	523	522	523	521	521	520	515		20 17	525	12 56	491	34	29
512	519	528	541	562	544	534	530	518		20 19	592†	12 21	486	106	30 **
527	530	532	530	529	526	524	522	519		-	539	-	496	43.1	Mean
524	527	527	526	523	522	521	521	519		-	529	-	496	32.8	Mean *
530	532	536	537	536	530	524	520	520		-	559	-	496	62.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MAY	43000 γ + Tabular Quantities (in γ)																
1 **	529	527	509	495	512	523	520	518	513	506	499	499	498	511	525	530
2 **	523	513	508	516	522	521	522	526	523	514	512	513	518	519	526	534
3	518	519	517	521	524	524	520	518	512	505	502	505	509	516	524	529
4 **	516	507	508	514	518	518	519	520	518	512	511	512	511	516	527	535
5	520	517	520	521	519	521	521	520	514	512	510	508	506	513	521	527
6	525	525	522	520	512	516	519	519	518	512	506	500	503	514	523	529
7	524	525	525	526	528	529	528	525	520	510	498	492	498	511	521	525
8	519	517	519	522	525	525	522	520	512	509	501	491	491	502	519	525
9	521	521	522	522	525	527	524	520	517	512	502	497	498	508	521	529
10	520	520	517	517	521	527	525	524	518	506	497	493	493	500	517	529
11	511	507	501	508	514	523	525	522	517	512	506	502	505	521	528	531
12	520	515	514	520	524	524	523	518	514	508	493	488	492	504	514	524
13 **	522	511	509	512	508	511	513	519	514	502	497	494	502	513	523	530
14	514	511	512	510	510	514	518	517	509	503	490	479	484	495	504	515
15	520	521	524	525	526	526	526	526	522	515	504	498	500	509	518	525
16 *	525	518	519	522	526	529	528	527	521	515	509	501	497	504	512	520
17	526	526	525	524	525	525	524	524	522	513	503	497	499	507	512	518
18 *	527	526	525	526	527	528	527	520	518	516	511	507	507	509	515	520
19	526	525	525	524	526	527	521	516	514	512	503	497	498	510	521	525
20	525	526	524	521	523	521	520	518	515	509	503	503	509	519	525	530
21	527	528	527	528	529	529	523	518	510	503	499	498	501	510	519	524
22 *	527	527	527	527	526	526	525	523	517	505	493	483	487	500	516	525
23 *	524	525	527	527	529	529	526	517	508	496	487	484	488	500	513	523
24 *	522	525	526	528	532	533	527	524	524	518	506	496	495	501	512	521
25	520	521	523	524	527	527	522	517	510	501	496	493	496	506	516	528
26	521	518	517	518	522	524	521	518	513	504	500	498	500	506	516	522
27	514	517	520	522	525	526	524	523	518	512	501	494	496	497	506	520
28	514	515	516	509	507	512	511	510	515	513	510	503	498	498	509	515
29 **	523	520	511	495	500	515	517	522	521	520	510	509	509	510	516	522
30	524	520	515	511	512	512	512	523	523	517	511	507	507	515	522	523
31	527	525	525	527	529	530	529	529	528	521	512	502	501	511	520	526
Mean	522	520	519	519	521	523	522	521	517	510	503	498	500	508	518	525
Mean *	525	524	525	526	528	529	527	522	518	510	501	494	495	503	514	522
Mean **	523	516	509	506	512	518	518	521	518	511	506	505	508	514	523	530
JUNE	43000 γ + Tabular Quantities (in γ)																
1	526	522	519	521	522	524	524	525	521	514	507	500	508	513	521	530
2	525	525	524	524	526	527	524	523	523	516	511	515	519	529	533	535
3	529	529	529	528	527	528	527	523	522	514	504	502	500	511	519	528
4 *	528	528	528	529	530	532	528	521	515	508	506	507	512	521	528	534
5 *	528	529	529	529	530	532	528	528	523	514	505	498	501	510	517	523
6	525	526	528	529	530	530	526	519	517	513	503	493	493	501	513	524
7 **	547	531	497	487	503	517	524	518	517	517	515	509	514	526	544	555
8	525	530	533	535	540	541	537	534	526	515	512	511	512	524	531	535
9	520	517	516	521	529	531	533	530	527	515	501	500	499	503	518	530
10	526	527	528	533	536	536	540	536	529	519	507	503	508	514	518	528
11	527	527	526	530	533	532	532	530	523	513	507	500	498	503	512	523
12	524	525	527	530	532	537	540	537	532	523	511	500	500	509	520	528
13	528	524	522	525	529	531	532	533	531	524	518	514	513	512	516	522
14	523	519	523	525	530	532	533	530	524	519	512	508	512	519	524	530
15	527	524	524	526	530	531	528	523	523	519	511	509	508	515	525	530
16 *	529	528	527	528	530	533	531	527	521	515	505	505	510	513	517	523
17	528	528	525	527	527	531	530	530	526	521	517	514	516	524	535	549
18 **	535	534	534	525	519	517	517	518	521	521	513	508	513	526	536	542
19	534	533	532	526	529	534	533	527	521	514	507	501	508	522	525	530
20	526	524	517	517	524	527	526	524	520	518	515	517	521	521	522	528
21	526	526	530	532	531	531	529	525	519	510	505	503	507	515	526	533
22 *	527	527	529	533	535	536	534	533	531	529	515	504	503	511	525	532
23 *	527	527	529	531	534	535	531	532	528	522	517	515	515	521	530	532
24	525	527	528	529	531	531	528	522	515	506	498	486	491	503	515	525
25 **	527	525	520	521	521	517	519	525	523	516	510	508	510	520	531	532
26 **	514	491	495	506	503	520	528	527	527	523	519	509	510	519	531	533
27 **	529	529	525	516	515	516	521	520	521	512	508	510	510	516	519	525
28	520	520	522	526	529	531	530	525	522	526	519	511	506	509	526	534
29	528	525	527	528	532	534	532	530	530	528	521	514	519	523	530	539
30	529	523	521	524	529	531	530	528	529	526	518	518	513	514	525	537
Mean	527	525	524	525	527	530	529	527	524	518	511	506	508	516	524	532
Mean *	528	528	528	530	532	534	530	528	524	518	510	506	508	515	523	529
Mean **	530	522	514	511	512	517	522	522	522	518	513	509	511	521	532	537

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
43000 γ + Tabular Quantities (in γ)															MAY
										h m		h m		γ	
539	545	542	537	534	537	525	523	521		16 59	551	03 14	486	65	1 **
538	545	537	534	530	528	524	514	523		17 14	555†	02 27	507	48	2 **
535	538	534	532	533	530	523	518	521		17 07	544	10 38	502	42	3
538	543	538	537	535	532	523	520	522		17 51	548	01 26	505	43	4 **
530	535	531	527	525	524	525	525	520		17 26	539	12 10	504	35	5
529	529	529	529	530	525	524	524	520		20 48	531	11 24	500	31	6
529	529	530	529	528	525	523	523	521		19 02	532	11 57	491	41	7
529	530	530	525	524	526	520	519	518		17 40	531	11 54	487	44	8
531	535	534	535	534	526	525	523	521		20 04	540	12 09	496	44	9
537	550	538	541	530	524	525	517	520		17 22	555†	12 01	491	64	10
532	533	533	531	532	527	524	520	519		20 30	538	02 21	497	41	11
528	532	536	536	535	527	524	524	518		20 20	541	11 54	485	56	12
530	535	536	536	531	526	514	515	517		19 01	538	11 29	492	46	13 **
525	529	531	529	528	527	524	519	512		18 12	533	11 40	479†	54	14
529	535	538	536	531	529	528	527	522		18 52	540	11 46	497	43	15
524	526	527	528	528	528	528	527	520		05 36	530	12 32	496	34	16 *
523	529	534	531	530	528	528	528	521		18 08	537	11 28	496	41	17
521	525	528	529	527	526	526	526	522		05 40	529	12 04	507	22	18 *
527	530	531	531	531	532	531	527	521		18 34	532	11 19	496	36	19
531	530	526	524	523	523	524	525	521		16 48	532	11 36	501	31	20
526	526	525	531	528	526	526	526	520		19 30	534	11 30	497	37	21
528	528	527	523	521	520	521	522	518		17 16	530	12 00	482	48	22 *
523	523	525	523	521	517	517	519	515		05 16	531	11 14	484	47	23 *
526	527	526	523	520	518	518	518	519		05 31	533	12 23	494	39	24 *
532	534	531	532	530	523	522	522	519		17 28	536	11 20	492	44	25
525	529	530	529	528	525	523	520	518		19 02	532	11 52	497	35	26
527	532	533	530	526	524	522	517	518		17 51	536	11 22	492	44	27
520	528	538	537	534	530	527	524	516		18 40	540	13 15	497	43	28
526	528	531	532	531	529	528	526	519		18 31	534	03 09	492	42	29 **
528	530	531	532	530	529	528	528	520		19 29	535	12 08	506	29	30
533	532	530	531	532	523	528	527	524		20 57	537	11 55	500	37	31
529	532	532	531	529	526	524	522	520		-	537	-	495	42.1	Mean
524	526	527	525	523	522	522	522	519		-	531	-	493	38.0	Mean *
534	539	537	535	532	530	523	520	520		-	545	-	496	48.8	Mean **
43000 γ + Tabular Quantities (in γ)															JUNE
533	533	532	531	531	532	530	527	523		16 31	537	11 34	498	39	1
539	539	538	537	533	530	529	530	527		17 00	542	10 09	511	31	2
530	533	533	530	529	528	528	528	523		18 10	535	11 56	499	36	3
533	534	533	528	525	526	525	527	524		17 42	536	10 42	506	30	4 *
527	528	526	524	524	524	523	523	522		05 21	533	11 43	496	37	5 *
526	528	529	535	539	532	532	538	522		22 55	543	11 56	491	52	6
562	565	567	551	542	541	527	522	529		18 21	573	03 03	474†	99	7 **
539	544	544	545	541	536	529	520	531		19 10	548	11 54	509	39	8
535	541	543	541	534	531	529	527	524		18 31	544	12 39	498	46	9
534	540	542	540	534	532	529	528	528		18 19	544	11 12	503	41	10
530	537	542	540	534	532	527	524	524		18 50	545	12 12	497	48	11
535	542	545	542	537	534	531	530	528		18 16	547	12 10	497	50	12
528	533	535	537	533	530	528	526	526		19 22	537	13 22	511	26	13
532	534	537	534	533	532	531	528	526		18 08	537	11 16	506	31	14
530	532	534	537	538	534	531	530	526		20 59	539	11 02	508	31	15
525	527	531	531	533	531	528	529	524		05 50	534	11 00	504	30	16 *
559	566	573	566	556	546	534	533	536		18 29	577†	11 56	512	65	17
547	555	563	564	549	544	541	534	532		19 16	568	11 53	505	63	18 **
533	537	542	548	544	541	536	533	529		19 22	552	11 38	499	53	19
534	541	536	536	533	530	530	531	526		17 08	542	02 53	512	30	20
534	535	533	533	532	531	529	527	525		15 58	536	11 24	503	33	21
535	537	537	533	528	525	526	525	527		18 49	538	12 05	501	37	22 *
533	540	537	533	532	528	525	525	528		17 46	541	12 30	514	27	23 *
531	535	534	533	528	526	526	525	521		17 34	536	11 44	485	51	24
534	536	537	535	538	540	530	526	525		21 17	549	10 41	507	42	25 **
532	536	542	543	542	537	532	529	523		18 36	545	01 36	479	66	26 **
531	536	541	547	540	535	532	528	524		19 54	553	10 11	506	47	27 **
536	544	548	541	538	536	534	531	528		18 00	554	12 53	505	49	28
544	550	553	546	540	537	534	530	532		18 12	560	11 35	513	47	29
534	536	546	545	539	537	534	529	529		18 39	551	13 07	511	40	30
535	539	541	540	536	533	530	528	526		-	546	-	502	43.9	Mean
531	533	533	530	528	527	525	526	525		-	536	-	504	32.2	Mean *
541	546	550	548	542	539	532	528	527		-	558	-	494	63.4	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JULY	43000 γ + Tabular Quantities (in γ)																
1	524	526	523	522	527	528	528	527	526	522	517	516	519	516	521	528	
2 *	532	532	532	531	533	535	534	531	525	521	517	513	507	511	522	529	
3 *	530	530	529	529	530	532	531	531	529	519	505	495	499	506	512	520	
4	527	529	529	528	528	527	524	523	523	517	505	498	504	512	520	527	
5	535	534	534	532	532	522	516	513	521	519	516	504	503	512	521	527	
6	527	527	521	522	515	513	518	515	519	520	514	511	513	524	533	538	
7	532	532	531	528	532	531	529	528	526	521	510	507	512	520	528	541	
8	529	526	523	525	526	525	525	527	527	525	519	506	504	512	522	531	
9	523	516	515	516	513	520	523	525	525	519	513	503	505	516	519	527	
10	523	524	525	525	528	530	530	528	526	519	508	503	504	509	517	526	
11	522	521	524	525	529	532	529	525	522	514	510	510	507	507	515	522	
12	525	525	525	527	531	533	528	526	521	517	509	501	501	508	514	523	
13	524	523	521	522	526	530	528	525	522	515	513	505	500	501	507	521	
14 *	525	525	523	524	527	532	532	533	527	518	508	498	499	503	512	524	
15 *	523	521	522	522	524	526	526	527	520	515	511	504	507	513	523	524	
16	524	524	519	513	516	519	515	514	514	513	506	500	504	512	522	522	
17	528	516	513	512	511	510	508	512	512	512	517	520	521	531	543	551	
18	532	531	531	532	532	533	528	525	524	520	511	506	503	509	526	539	
19	532	533	533	534	534	535	529	525	518	510	506	505	510	518	527	533	
20	529	531	531	531	534	536	529	527	523	513	506	506	509	510	515	518	
21 **	523	525	526	527	528	529	526	521	511	504	501	507	510	522	539	553	
22	530	532	535	536	537	537	530	523	522	521	514	505	506	510	521	532	
23 **	524	525	530	532	534	534	530	529	527	516	509	504	501	511	520	532	
24 **	508	506	505	488	495	501	513	523	523	522	516	506	509	519	526	537	
25	527	528	526	520	517	523	526	528	527	522	515	502	499	504	514	531	
26	521	520	519	520	523	526	527	525	525	521	512	509	506	513	522	528	
27	516	505	507	510	508	516	523	524	526	526	513	505	501	510	523	535	
28	517	513	516	522	528	529	531	531	527	523	518	514	514	520	528	534	
29 *	528	527	528	528	531	533	531	530	528	520	512	505	507	507	514	520	
30 **	523	515	516	511	508	511	515	516	523	526	519	505	499	512	519	527	
31 **	521	511	519	522	523	526	526	528	522	515	507	503	505	513	517	525	
Mean	525	524	524	523	525	526	525	525	523	518	512	506	506	513	521	530	
Mean *	528	527	527	527	529	532	531	530	526	519	511	503	504	508	517	523	
Mean **	520	516	519	516	518	520	522	523	521	517	510	505	505	515	524	535	
AUGUST	43000 γ + Tabular Quantities (in γ)																
1	510	518	517	518	519	519	518	520	518	514	513	508	509	513	525	542	
2	526	519	519	522	525	524	514	518	519	521	516	516	515	514	523	530	
3	519	517	517	517	522	528	529	528	522	516	507	503	504	513	523	529	
4	522	523	526	526	530	532	526	521	521	516	509	505	509	518	532	542	
5	522	516	522	518	519	524	521	515	513	510	507	503	510	511	517	528	
6	525	526	523	523	515	517	522	525	519	513	507	506	510	517	522	530	
7	519	513	513	517	522	527	528	528	523	519	511	500	497	506	515	527	
8	520	518	520	522	526	529	530	528	522	516	508	491	490	496	509	520	
9	524	522	522	523	524	530	531	533	530	523	511	503	499	505	513	526	
10	524	524	524	525	529	533	530	529	524	516	509	505	509	511	517	536	
11 *	526	525	526	528	531	532	532	531	528	519	507	499	503	512	525	536	
12 *	527	526	526	526	529	531	531	530	528	520	513	506	507	512	516	526	
13 *	527	527	526	526	528	530	528	528	523	516	509	504	506	514	521	527	
14 *	529	525	525	525	525	529	527	525	524	518	515	512	511	516	518	524	
15	527	526	524	523	524	527	527	527	524	516	507	499	498	508	518	524	
16 *	529	529	527	527	528	529	529	527	521	515	512	507	507	510	517	525	
17	528	526	525	524	525	524	521	519	513	504	496	495	500	511	519	530	
18 **	524	526	524	525	525	524	521	518	511	504	507	511	512	520	536	550	
19 **	528	529	530	531	532	534	530	524	519	513	510	508	508	512	518	532	
20 **	499	466	455	470	485	487	490	500	516	521	520	518	532	536	541	549	
21 **	512	515	514	519	525	530	530	525	524	524	519	517	520	528	534	542	
22	528	531	531	533	537	538	538	535	532	521	512	507	510	518	532	540	
23	519	517	508	496	492	501	506	515	518	515	512	515	523	525	530	544	
24	527	516	516	519	527	534	536	536	533	531	526	519	514	519	527	537	
25	529	530	530	530	533	534	535	535	534	528	516	509	507	514	523	528	
26	523	520	526	528	529	528	529	531	524	518	512	506	508	513	521	527	
27	528	528	528	529	530	532	533	533	528	520	514	514	513	517	525	536	
28 **	525	529	533	534	533	532	533	535	531	522	518	515	520	525	535	543	
29	525	525	523	527	529	531	535	535	530	522	514	510	512	520	530	534	
30	534	531	532	532	531	532	532	532	529	524	519	519	518	523	535	541	
31	521	522	522	525	529	531	531	528	525	518	514	513	513	523	534	546	
Mean	523	521	521	522	524	527	527	526	523	518	512	508	509	515	524	534	
Mean *	528	526	526	526	528	530	529	528	525	518	511	506	507	513	519	528	
Mean **	518	513	511	516	520	521	521	520	520	517	515	514	518	524	533	543	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
										h m		h m		γ	
					43000 γ + Tabular Quantities (in γ)									JULY
528	531	534	533	533	531	531	531	526		18 48	534	13 40	514	20	1
532	533	535	534	532	530	530	530	528		05 42	535	12 35	506	29	2 *
525	527	527	525	527	525	527	528	522		05 31	532	11 34	494	38	3 *
535	535	540	548	546	541	542	536	527		19 42	551	11 33	495	56	4
533	534	533	533	531	534	534	528	525		00 58	538	11 56	499	39	5
541	541	543	541	535	532	532	532	526		18 10	547	04 41	509	38	6
541	541	539	536	532	528	530	531	529		15 24	542	10 56	504	38	7
536	539	541	539	538	535	534	527	527		17 52	543	12 15	502	41	8
535	538	538	537	537	535	530	524	523		19 00	540	12 05	498	42	9
537	539	541	538	536	532	528	526	525		18 11	544	11 51	502	42	10
531	537	540	540	535	531	529	528	524		19 24	541	12 48	506	35	11
526	534	534	533	531	529	526	525	523		18 02	535	11 52	499	36	12
525	530	531	529	529	526	526	525	521		18 25	531	12 49	498	33	13
529	530	529	527	526	525	525	525	522		07 10	543	11 35	497	46	14 *
527	530	527	526	527	525	524	524	522		18 00	530	11 46	501	29	15 *
523	527	528	531	530	528	528	530	519		19 31	531	11 43	496	35	16
561	561	553	541	535	532	533	534	528		16 46	562	06 35	506	56	17
546	544	537	532	532	533	537	534	528		16 40	547	12 42	502	45	18
537	538	536	534	528	525	527	527	526		17 30	538	11 42	503	35	19
524	528	523	523	524	523	523	523	522		05 31	535	10 50	505	30	20
563	562	557	553	540	533	532	531	530		16 40	568†	09 59	497	71	21 **
547	557	558	545	538	532	531	528	530		17 55	563	11 52	503	60	22
540	547	552	550	548	535	527	506	528		18 21	556	23 48	493	63	23 **
547	552	552	547	539	539	528	527	522		17 26	558	03 50	483†	75	24 **
539	544	541	538	535	534	531	526	525		17 11	544	12 36	498	46	25
532	537	539	543	541	536	530	527	525		19 39	545	12 26	501	44	26
538	537	536	534	534	532	528	522	521		16 27	538	12 42	500	38	27
538	539	537	535	533	532	529	529	527		17 27	539	01 05	512	27	28
525	529	532	534	537	536	533	526	525		21 06	538	11 37	505	33	29 *
535	539	542	550	553	536	534	533	524		20 04	564	12 09	497	67	30 **
532	536	538	540	537	535	534	529	524		19 15	543	11 50	501	42	31 **
536	539	538	537	535	532	530	527	525		-	544	-	501	42.9	Mean
528	530	530	529	530	528	528	527	524		-	536	-	501	35.0	Mean *
543	547	548	548	543	536	531	525	525		-	558	-	494	63.6	Mean **
					43000 γ + Tabular Quantities (in γ)										AUGUST
549	547	543	545	536	534	526	527	524		19 34	551	12 05	506	45	1
535	534	536	538	538	530	527	521	524		20 30	541	06 24	512	29	2
533	530	528	529	530	528	528	527	522		16 20	533	11 59	501	32	3
546	542	541	537	538	533	528	528	527		16 12	548	11 28	503	45	4
533	534	530	532	534	529	527	524	521		20 08	535	11 05	502	33	5
538	547	544	535	530	530	523	522	524		17 48	551	10 56	503	48	6
534	537	534	529	526	524	523	523	521		17 24	537	12 12	496	41	7
533	539	537	533	527	526	524	523	520		17 28	539	11 51	488	51	8
534	540	540	534	530	527	526	525	524		17 44	540	12 11	498	42	9
537	537	535	533	530	529	527	527	525		15 38	541	11 10	503	38	10
539	540	539	535	534	534	528	527	526		16 58	540	11 58	499	41	11 *
534	534	531	531	532	530	528	528	525		17 35	535	11 59	504	31	12 *
529	528	528	527	528	528	528	530	524		05 25	530	11 51	504	26	13 *
528	524	523	523	524	526	527	527	523		00 01	530	12 07	509	21	14 *
530	528	532	532	534	539	534	528	523		21 20	542	12 06	496	46	15
531	532	531	529	527	527	527	528	524		17 21	535	12 04	505	30	16 *
538	530	523	521	529	529	523	521	520		16 35	538	11 25	495	43	17
550	543	536	532	532	537	528	525	526		15 25	553	10 22	502	51	18 **
535	543	570	561	548	536	517	507	528		18 48	585†	12 39	507	78	19 **
560	552	548	542	541	538	532	529	518		16 44	566	02 26	446†	120	20 **
548	544	542	539	538	531	526	526	528		16 23	549	12 00	508	41	21 **
541	544	540	537	533	532	531	522	530		17 49	545	11 42	504	41	22
550	549	544	542	538	536	534	533	523		17 03	551	04 00	490	61	23
541	542	542	540	539	533	530	529	530		18 24	542	12 31	514	28	24
533	534	533	537	538	537	532	529	529		20 06	540	12 39	507	33	25
531	534	537	534	532	532	533	531	525		18 53	539	11 53	502	37	26
546	550	550	551	547	531	533	532	531		20 16	560	12 05	512	48	27
543	550	560	545	534	533	528	519	532		18 03	569	11 44	514	55	28 **
535	533	534	536	539	538	534	536	529		20 30	542	11 56	508	34	29
546	545	540	546	539	534	533	534	533		16 50	553	10 44	517	36	30
569	556	539	533	532	533	535	524	530		16 27	578	11 51	512	66	31
540	539	538	536	534	532	528	526	525		-	546	-	502	44.2	Mean
532	532	530	529	529	529	528	528	524		-	534	-	504	29.8	Mean *
547	546	551	544	539	535	526	521	526		-	564	-	495	69.0	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
SEPTEMBER	43000 γ + Tabular Quantities (in γ)																
1	517	523	526	526	531	534	532	530	524	516	512	512	514	525	533	537	
2 *	531	531	533	534	533	534	533	529	527	522	518	517	521	526	532	535	
3	528	529	525	528	530	530	528	529	528	518	510	510	516	522	533	540	
4 *	530	532	533	533	534	533	531	526	521	516	511	509	511	515	523	528	
5	529	524	528	531	533	533	532	529	521	515	508	504	511	515	519	522	
6 *	518	520	524	528	531	533	532	528	525	518	509	504	503	513	522	529	
7 *	521	523	526	528	530	532	533	532	529	520	510	503	507	515	521	528	
8	522	522	521	518	521	525	524	526	526	518	508	505	504	514	523	530	
9	528	526	524	519	515	519	528	530	525	520	508	503	508	517	531	533	
10	529	529	526	525	525	529	531	534	532	528	517	512	513	515	519	522	
11	524	518	522	523	524	524	526	529	528	524	516	511	517	520	523	532	
12	526	518	519	522	525	525	527	526	525	520	512	512	515	520	526	529	
13 *	531	531	530	530	530	530	531	531	527	522	513	502	503	508	513	518	
14 **	512	516	516	519	511	511	495	501	514	512	515	515	525	551	574	600	
15	538	531	534	540	538	532	534	534	534	525	519	518	527	538	546	548	
16	527	534	538	534	530	531	534	533	534	533	529	522	529	534	547	566	
17	514	513	524	524	520	526	518	517	518	523	523	530	537	541	549	559	
18	534	535	532	535	538	540	538	538	535	533	523	516	516	524	535	548	
19	527	526	534	537	532	534	530	530	529	520	518	521	531	536	547	562	
20	537	531	530	534	536	536	535	534	526	520	517	518	522	531	548	560	
21	537	537	537	533	529	532	537	540	537	531	520	516	517	520	535	555	
22 **	544	542	543	529	505	417	435	474	499	522	526	527	532	538	545	554	
23 **	333	345	370	402	454	487	515	533	540	541	546	547	548	551	553	555	
24	549	549	550	549	550	548	550	553	549	547	542	534	533	535	540	549	
25 **	499	479	490	459	496	514	527	534	541	538	535	534	537	544	550	560	
26	537	540	542	542	521	511	518	530	535	534	527	526	532	536	541	547	
27	534	535	534	533	535	538	541	545	545	543	538	536	535	538	543	547	
28 **	515	523	504	499	495	494	498	507	515	524	521	522	527	546	559	580	
29	534	534	535	531	531	536	540	544	544	541	539	537	539	541	543	548	
30	537	530	518	526	532	534	533	535	538	535	532	531	532	537	537	539	
Mean	521	521	522	522	524	523	526	529	529	526	521	518	522	529	537	545	
Mean *	526	527	529	531	532	532	532	529	526	520	512	507	509	515	522	528	
Mean **	481	481	485	482	492	485	494	510	522	527	529	529	534	546	556	570	
OCTOBER	43000 γ + Tabular Quantities (in γ)																
1 *	541	542	542	541	539	538	539	540	538	534	527	523	524	528	536	540	
2 *	541	541	541	541	541	540	539	539	536	530	521	516	520	525	532	539	
3 *	536	537	539	539	538	537	538	538	535	530	523	518	518	526	534	539	
4	537	538	538	537	538	537	537	536	532	526	518	516	515	519	530	540	
5	538	539	539	540	540	539	536	536	534	527	516	515	517	521	528	536	
6	535	536	536	536	534	535	536	537	536	531	523	520	519	524	531	540	
7	535	535	536	536	536	537	538	539	540	533	525	519	517	518	523	532	
8	528	531	529	516	518	523	527	532	538	534	526	517	521	527	533	541	
9	536	536	536	536	536	536	537	540	541	536	523	515	515	517	522	528	
10	531	531	531	531	532	532	531	530	532	530	523	518	519	522	529	534	
11	535	533	534	534	533	533	532	534	534	533	521	520	525	535	541	549	
12 **	532	524	518	507	513	521	522	531	533	533	529	525	533	557	551	561	
13	538	538	536	533	531	529	534	542	542	544	540	532	534	535	538	547	
14 **	505	498	504	516	520	523	516	523	531	529	523	517	532	544	563	567	
15	537	531	529	530	531	530	533	535	536	532	523	524	528	531	539	543	
16	527	528	528	528	533	534	531	530	531	527	526	522	529	539	546	554	
17	537	540	541	542	540	536	533	532	531	528	524	521	526	532	539	544	
18	540	540	539	538	539	538	536	535	536	533	529	523	525	534	543	547	
19	542	540	540	539	538	535	533	533	535	535	528	525	531	538	545	552	
20	538	536	535	536	535	536	536	537	538	532	519	515	519	537	539	544	
21	531	532	532	533	536	535	535	535	536	527	516	510	513	520	530	540	
22 *	535	536	537	536	536	537	536	537	536	534	529	521	522	525	530	537	
23	532	533	533	533	533	534	533	534	536	535	525	514	512	517	526	533	
24 **	550	533	515	513	506	522	528	515	517	522	520	541	536	542	551	560	
25	534	511	527	538	540	538	540	543	548	548	543	536	534	539	543	546	
26	546	544	538	538	541	542	542	544	545	545	538	532	536	543	547	549	
27 *	542	541	541	541	541	541	542	544	546	543	537	534	534	536	542	545	
28	542	541	541	540	539	539	540	543	544	538	529	529	531	536	538	541	
29 **	543	540	535	533	528	527	528	532	536	538	531	530	532	537	546	555	
30 **	444	438	485	514	533	542	546	551	552	552	547	543	542	545	550	553	
31	551	550	551	549	547	546	544	544	546	542	531	529	534	541	547	550	
Mean	534	531	532	533	534	535	535	536	537	534	527	523	526	532	538	545	
Mean *	539	539	540	540	539	539	539	540	538	534	527	522	524	528	535	540	
Mean **	515	507	511	517	520	527	528	530	534	535	530	531	535	545	552	559	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Mean	Maximum		Minimum		Range	Date
43000 γ + Tabular Quantities (in γ)															SEPTEMBER
										h m		h m		γ	
543	544	540	537	536	534	532	532		529	17 53	546	12 04	510	36	1
534	531	531	533	532	530	522	525		529	20 37	537	11 27	516	21	2 *
541	540	536	534	535	529	531	531		528	16 13	542	10 38	507	35	3
530	531	530	529	528	529	532	532		526	03 53	535	11 07	509	26	4 *
525	529	531	532	532	531	528	520		524	20 44	535	11 08	504	31	5
534	537	535	533	532	531	524	521		524	17 18	539	12 09	503	36	6 *
530	530	528	528	530	529	527	522		524	06 18	534	11 31	503	31	7 *
537	540	537	536	535	533	531	529		524	16 30	540	12 24	504	36	8
535	532	531	532	534	535	532	531		525	20 51	537	11 29	502	35	9
526	526	526	529	530	532	535	529		526	22 18	540	11 36	511	29	10
539	547	551	557	536	536	532	528		529	19 21	581	11 12	510	71	11
531	533	531	531	534	534	531	532		525	20 59	538	10 39	511	27	12
522	523	524	524	526	532	534	525		523	21 40	538	11 56	502	36	13 *
636	604	597	567	542	537	518	530		538	16 32	664	06 48	490	174	14 **
562	577	564	557	546	542	525	506		538	17 27	596	23 35	492	104	15
561	552	553	551	534	538	537	515		537	18 58	575	23 29	510	65	16
556	554	574	546	540	540	540	536		534	18 23	584	00 56	503	81	17
571	565	556	551	546	542	541	538		539	16 34	577	11 21	514	63	18
573	576	566	554	552	542	540	537		540	17 13	578	10 42	516	62	19
565	558	552	549	549	548	544	541		538	16 47	568	10 27	516	52	20
577	617	638	574	574	568	554	544		548	18 14	693†	11 31	515	178	21
558	559	561	563	592	564	530	413		524	21 15	664	24 00	314	350	22 **
557	556	552	550	549	549	550	549		510	16 56	564	00 19	254†	310	23 **
552	555	558	567	561	556	524	505		546	19 25	571	23 54	490	81	24
572	578	560	555	544	540	541	541		532	17 39	604	03 24	453	151	25 **
559	572	552	546	547	542	546	533		538	17 09	578	05 00	509	69	26
549	551	549	550	558	543	540	536		542	20 12	574	24 00	515	59	27
569	563	560	548	537	537	525	525		529	15 47	589	04 18	492	97	28 **
549	552	554	547	547	544	536	533		541	18 31	562	23 15	528	34	29
541	540	539	538	539	540	541	541		535	23 23	542	02 20	515	27	30
551	552	551	545	543	540	534	526		532	-	571	-	491	80.2	Mean
530	530	530	529	530	530	528	525		525	-	537	-	507	30.0	Mean *
578	572	566	557	553	545	533	512		527	-	617	-	401	216.4	Mean **
43000 γ + Tabular Quantities (in γ)															OCTOBER
541	539	539	539	539	538	538	539		537	01 54	543	12 07	522	21	1 *
542	540	538	538	536	535	537	537		535	02 56	542	11 25	515	27	2 *
542	542	540	538	537	534	534	535		534	16 56	544	11 46	517	27	3 *
546	547	546	543	539	538	538	538		535	17 10	548	11 30	515	33	4
543	544	546	546	538	537	536	533		534	19 17	550	11 46	513	37	5
546	544	543	542	540	539	537	537		535	16 26	546	12 05	518	28	6
541	542	544	543	542	549	549	527		535	22 00	563	12 15	517	46	7
556	547	542	543	542	541	538	537		533	16 22	562	03 36	512	50	8
534	537	539	540	541	542	537	530		533	08 26	543	11 34	513	30	9
539	539	543	544	544	539	538	536		532	20 29	547	12 13	516	31	10
559	551	546	546	547	544	546	538		538	16 30	561	11 02	518	43	11
589	569	556	552	561	530	533	535		538	16 44	606	03 15	503	103	12 **
544	543	544	547	538	536	521	513		537	19 13	552	23 33	508	44	13
579	573	558	545	538	535	538	538		534	16 47	585	01 46	494	91	14 **
545	542	542	538	531	536	528	528		533	18 56	551	10 44	522	29	15
559	562	548	545	540	537	539	538		537	17 24	571	11 37	520	51	16
549	546	544	541	540	539	538	539		537	16 40	549	11 36	520	29	17
547	548	545	545	545	544	542	541		539	15 53	549	11 42	522	27	18
555	552	548	545	544	543	540	540		540	16 59	555	11 09	524	30	19
546	552	555	554	554	549	545	530		538	22 33	557	11 30	514	43	20
544	545	544	542	540	537	536	535		533	16 44	545	11 34	510	35	21
539	540	538	537	536	534	533	532		534	18 04	540	11 39	520	20	22 *
537	536	537	536	536	540	540	541		532	23 36	544	12 01	511	33	23
566	570	564	575	577	572	553	542		541	20 04	583	04 07	504	79	24 **
549	549	550	550	554	555	549	546		542	21 10	558	01 16	507	51	25
549	549	547	546	546	546	545	543		543	17 54	551	11 30	530	21	26
544	543	543	546	542	541	541	542		541	19 51	549	11 25	534	15	27 *
543	544	552	547	547	547	548	547		541	18 48	559	10 52	527	32	28
600	612	595	589	549	511	423	468		538	16 51	645†	22 15	361†	284	29 **
552	549	547	547	547	547	549	550		534	15 12	555	00 43	409	146	30 **
549	546	545	545	544	544	545	547		544	00 58	551	10 56	527	24	31
551	550	547	546	544	541	536	535		537	-	558	-	508	50.3	Mean
542	541	540	540	538	536	537	537		536	-	544	-	522	22.0	Mean *
577	575	564	562	554	539	519	527		537	-	595	-	454	140.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
NOVEMBER	43000 γ + Tabular Quantities (in γ)																
1	548	549	549	549	548	545	541	542	544	541	535	534	539	544	549	552	
2	547	549	549	548	547	544	543	542	541	537	529	529	531	538	545	550	
3	539	536	543	544	539	537	534	535	540	539	535	531	534	541	548	551	
4	539	542	543	544	545	544	545	546	544	538	532	530	531	539	545	546	
5 *	540	541	542	543	543	544	545	545	544	537	532	527	528	534	542	547	
6	539	537	536	538	539	541	541	541	541	535	529	528	530	537	548	555	
7 **	538	538	534	533	532	527	532	535	539	535	532	538	541	547	551	567	
8 **	522	519	522	533	534	528	524	532	545	543	541	537	545	553	552	560	
9 **	530	518	517	525	532	537	538	541	545	540	540	539	543	551	549	563	
10 **	526	525	512	518	523	533	537	542	544	544	541	541	544	548	549	557	
11	532	529	527	528	528	532	535	538	540	543	537	537	537	539	543	546	
12	541	541	541	539	536	535	537	538	543	542	540	543	539	541	546	552	
13	545	545	545	545	545	543	542	541	541	540	539	540	543	544	547	551	
14	544	545	544	544	543	540	537	536	539	540	537	534	535	537	542	546	
15	544	541	540	540	541	541	540	538	538	537	536	536	538	544	548	549	
16 *	541	542	541	540	541	540	539	538	538	536	534	533	534	538	543	546	
17	539	539	540	541	541	541	539	538	536	532	526	527	529	534	540	553	
18 *	545	545	545	546	546	546	545	544	546	546	545	543	543	545	545	548	
19 *	541	540	541	541	543	543	542	539	539	539	536	535	533	539	544	544	
20	539	540	541	539	539	540	539	539	539	538	534	534	535	540	543	544	
21 *	538	538	538	539	540	540	541	539	539	534	531	535	537	540	542	542	
22	538	538	538	539	539	540	540	539	536	532	529	531	531	533	535	535	
23	543	539	534	533	535	537	538	538	536	535	533	529	528	533	537	538	
24 **	538	538	537	536	535	535	534	533	533	532	528	532	535	543	553	555	
25	531	525	528	530	533	529	534	537	537	538	538	541	543	545	551	551	
26	543	542	541	540	540	539	539	540	539	538	536	537	539	542	544	544	
27	542	541	540	539	538	538	538	538	540	541	540	538	535	538	542	543	
28	542	541	541	539	534	533	533	533	536	537	535	534	535	541	542	542	
29	541	541	541	538	537	536	535	534	536	533	528	527	533	540	543	542	
30	542	538	539	540	540	538	535	533	533	532	528	530	532	541	542	544	
Mean	539	538	538	538	539	538	538	538	540	538	535	534	536	541	545	549	
Mean *	541	541	541	542	543	543	542	541	541	538	536	535	535	539	543	545	
Mean **	531	528	524	529	531	532	533	537	541	539	536	537	542	548	551	560	
DECEMBER	43000 γ + Tabular Quantities (in γ)																
1	538	539	540	541	540	539	537	535	533	532	530	531	533	540	546	548	
2	537	537	538	539	539	539	537	535	534	532	528	530	534	540	545	552	
3 **	541	534	530	533	532	532	530	526	529	534	530	533	542	549	560	565	
4 **	537	537	538	536	540	543	542	543	541	537	536	534	532	539	547	558	
5 **	510	523	526	531	535	538	538	539	539	537	535	534	534	540	555	555	
6 **	530	531	533	535	537	537	539	538	539	538	535	533	536	544	549	551	
7	535	531	528	531	535	538	540	540	543	542	541	537	543	549	547	552	
8	536	532	534	536	533	532	533	533	535	536	536	537	538	542	545	552	
9	538	537	537	537	537	536	536	535	535	536	536	536	533	535	540	548	
10 *	540	539	538	538	537	537	537	537	538	536	535	534	532	533	538	540	
11 *	538	538	536	535	534	534	535	535	535	536	536	534	529	529	536	539	
12	537	535	535	535	534	534	533	533	533	532	531	531	528	531	535	538	
13	537	533	533	532	531	531	531	531	531	531	529	528	525	530	535	537	
14	537	537	537	535	534	532	531	530	530	530	527	528	526	528	536	540	
15	542	542	542	539	539	538	537	535	534	532	531	531	530	535	542	543	
16	539	539	541	539	539	538	537	535	534	532	529	526	528	534	537	539	
17	537	537	537	538	537	537	536	535	533	531	528	529	529	533	539	540	
18 *	534	535	537	537	537	537	536	535	532	530	529	527	525	528	532	535	
19	533	534	534	534	535	535	535	534	535	532	529	526	522	526	532	536	
20 **	537	536	536	537	536	536	533	529	528	528	528	526	527	531	539	546	
21	536	535	536	536	537	538	539	538	536	532	528	530	530	535	540	541	
22	533	534	535	536	536	535	535	537	537	534	532	535	535	538	547	548	
23	532	535	536	537	538	538	537	539	537	536	537	537	535	537	540	541	
24	534	531	534	536	537	538	538	540	540	537	536	535	535	539	542	542	
25 *	536	535	536	535	535	535	535	537	539	538	536	535	534	537	539	539	
26	538	536	535	535	535	535	535	535	534	532	536	538	535	537	540	540	
27	540	538	536	534	533	533	532	532	533	531	528	534	535	536	538	539	
28	537	536	534	533	531	531	530	530	530	529	529	532	530	531	535	537	
29	535	536	533	533	533	531	531	529	530	528	525	529	535	542	550	552	
30	540	541	540	541	540	538	538	537	537	535	534	533	532	538	545	548	
31 *	540	539	540	540	540	539	538	536	535	531	532	535	529	531	537	540	
Mean	536	536	536	536	536	536	536	535	535	533	532	532	532	536	542	545	
Mean *	538	537	537	537	537	536	536	536	536	534	534	533	530	532	536	539	
Mean **	531	532	533	534	536	537	536	535	535	535	533	532	534	541	550	555	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Date
43000 γ + Tabular Quantities (in γ)																	NOVEMBER
										h	m		h	m		γ	
553	552	551	551	549	548	548	547	546		17	10	555	11	34	533	22	1
574	562	560	556	557	547	544	543	546		16	34	588	10	45	527	61	2
552	550	550	552	550	550	534	537	542		21	30	560	11	30	531	29	3
547	547	549	550	547	543	542	541	542		19	26	553	11	44	529	24	4
548	548	548	547	545	543	542	540	541		16	47	549	11	33	526	23	5 *
551	552	553	555	559	552	538	537	542		20	15	563	10	43	526	37	6
578	595	601	586	556	541	546	540	548		18	57	631†	23	59	524	107	7 **
576	569	555	558	564	543	540	542	543		17	01	597	01	48	515	82	8 **
571	568	563	554	558	543	539	536	543		15	49	582	01	59	510	72	9 **
560	560	551	550	549	543	547	535	541		17	49	582	02	44	508†	74	10 **
550	548	546	559	549	543	545	541	540		19	10	564	04	15	525	39	11
560	562	560	548	547	548	547	546	545		18	26	572	04	55	534	38	12
549	547	546	546	546	545	547	546	544		15	22	551	09	30	539	12	13
545	545	542	541	541	541	543	543	541		01	27	546	11	13	533	13	14
547	546	544	542	541	541	541	541	541		15	22	549	10	32	535	14	15
545	544	542	540	539	540	540	539	540		16	03	546	11	10	532	14	16 *
562	567	570	560	553	549	547	545	544		17	40	577	10	44	523	54	17
548	547	545	545	542	541	541	540	545		04	12	547	23	02	539	8	18 *
544	544	543	541	540	539	538	537	540		15	16	546	12	10	532	14	19 *
544	544	543	543	542	540	539	537	540		15	32	544	23	09	533	9	20
542	544	545	546	545	543	540	539	540		19	41	546	10	25	531	14	21 *
539	541	552	553	553	552	548	544	540		18	43	554	10	13	529	25	22
540	541	541	542	546	543	541	539	537		20	45	549	12	04	527	22	23
564	566	566	568	572	554	544	538	545		20	16	575	10	30	528	45	24 **
552	550	549	547	546	545	545	544	540		15	59	552	00	57	521	31	25
543	542	542	541	541	541	542	541	541		15	24	545	10	28	536	9	26
543	540	539	538	539	544	544	543	540		22	11	546	12	39	535	11	27
541	540	538	537	537	538	539	540	538		00	00	543	06	53	531	12	28
543	542	538	537	537	543	547	543	538		22	06	551	11	50	526	25	29
546	547	549	546	541	541	539	536	539		18	50	554	10	08	526	28	30
552	552	551	549	548	544	543	541	542		-		561	-		528	32.3	Mean
545	545	545	544	542	541	540	539	541		-		547	-		532	14.6	Mean *
570	572	567	563	560	545	543	538	544		-		593	-		517	76.0	Mean **
43000 γ + Tabular Quantities (in γ)																	DECEMBER
546	544	543	539	538	536	537	537	538		05	42	549	11	00	530	19	1
549	548	556	556	552	544	542	542	541		18	43	559	10	51	527	32	2
564	570	564	566	557	527	530	534	542		19	47	582†	21	47	516	66	3 **
557	559	552	555	541	538	534	525	542		15	48	565	24	00	502	63	4 **
561	563	558	562	543	546	540	536	541		19	24	582†	00	04	501†	81	5 **
549	553	545	543	548	546	537	536	540		15	03	564	00	31	523	41	6 **
552	551	550	548	549	545	544	541	542		19	01	555	02	42	528	27	7
548	547	547	545	545	542	538	538	539		15	30	559	05	36	530	29	8
545	543	542	541	541	541	541	541	539		15	33	549	13	00	530	19	9
540	539	538	538	538	539	539	539	537		00	00	541	12	58	530	11	10 *
538	537	537	536	536	536	537	537	536		15	30	540	12	54	526	14	11 *
538	538	538	538	539	537	537	542	535		23	33	543	13	05	526	17	12
537	536	535	535	538	538	537	537	533		21	12	540	12	40	525	15	13
545	547	543	548	561	553	548	545	538		20	17	563	12	41	524	39	14
543	543	541	538	538	537	537	537	538		15	07	544	10	49	529	15	15
541	539	540	540	538	537	536	539	537		15	56	542	11	40	525	17	16
540	540	539	540	540	536	535	533	536		15	34	541	12	34	528	13	17
537	537	537	536	536	535	535	534	534		05	26	537	12	30	524	13	18 *
535	535	537	537	536	535	540	538	534		22	52	547	12	25	522	24	19
551	551	551	558	557	543	542	539	539		19	54	574	11	47	524	50	20 **
542	547	544	547	544	542	545	538	538		22	42	552	10	50	528	24	21
548	548	556	555	544	544	544	532	540		19	06	572	23	30	531	41	22
542	548	551	548	544	545	545	539	540		18	54	562	00	22	532	30	23
541	544	543	543	548	540	538	538	539		20	41	550	01	36	531	19	24
538	537	537	537	538	538	538	538	537		08	40	540	12	20	533	7	25 *
538	538	538	538	539	541	542	541	537		22	10	545	09	08	532	13	26
536	536	536	536	536	536	536	536	535		00	03	542	10	18	528	14	27
536	535	538	541	555	538	536	534	535		20	25	559	10	09	526	33	28
561	553	552	554	546	544	546	542	540		16	33	570	10	00	524	46	29
545	543	543	541	540	540	541	541	540		15	26	548	12	18	530	18	30
540	540	539	537	536	535	536	536	537		00	31	540	12	50	528	12	31 *
545	545	544	544	543	540	539	538	538		-		553	-		526	27.8	Mean
539	538	538	537	537	537	537	537	536		-		540	-		528	11.4	Mean *
556	559	554	557	549	540	537	534	541		-		573	-		513	60.2	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE IV. - K-INDICES

Date	January		February		March		April		May		June	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	1111 1212	10	1021 3235	17	2332 2433	22	3431 2210	16	5444 3424	30	3333 3323	23
2	0000 1201	4	1010 1020	5	2112 2211	12	1100 1222	9	4233 3534	27	2322 3431	20
3	0101 1000	3	1111 1110	7	1122 2223	15	3110 1111	9	4222 3433	23	2222 2221	15
4	2001 3331	13	0000 1232	8	1100 1211	7	1223 3455	25	4233 2433	24	1220 1111	9
5	0121 1002	7	0011 1211	7	0111 1022	8	5433 3453	30	3322 2321	18	0110 1110	5
6	0000 1000	1	1101 1101	6	0211 1232	12	3343 3334	26	3421 2233	20	0211 2345	18
7	2221 1320	13	0100 0022	5	1210 0135	13	3233 3313	21	1122 2222	14	6433 4334	30
8	0000 1022	5	0000 0000	0	4344 3444	30	3112 2232	16	3221 2224	18	2213 2334	20
9	0000 1001	2	0001 1225	11	3322 3224	21	1322 2222	16	2432 2333	22	3222 2222	17
10	1010 0000	2	4443 4455	33	3343 4665	34	0000 2021	5	3322 2443	23	1111 2221	11
11	0001 2241	10	3322 3444	25	4322 2353	24	1012 1011	7	4222 4333	23	2211 2322	15
12	0110 0113	7	4342 2234	24	3222 2220	15	3112 3332	18	3221 2433	20	2312 2221	15
13	5434 3434	30	3333 3563	29	0012 4322	14	2112 3233	17	3433 3333	25	2211 2222	14
14	4334 4564	33	3343 3332	24	2010 1001	5	4211 3334	21	4432 2123	21	3022 2311	14
15	4443 3243	27	2122 3221	15	1110 0010	4	4332 2122	19	1231 2222	15	2331 2222	17
16	3233 4454	28	0001 2300	6	0010 0102	4	3210 1232	14	3000 1102	7	0001 1321	8
17	3332 2433	23	0112 1101	7	1000 0233	9	3201 2222	14	1021 3331	14	2222 2323	18
18	2222 2335	21	0000 1210	4	1111 2222	12	1111 3444	19	1001 2320	9	1423 5343	25
19	3233 4433	25	0001 1101	4	2321 2224	18	3322 2322	19	0111 2223	12	3221 2333	19
20	3022 2121	13	1222 2234	18	1101 0023	8	4111 2310	13	4331 1111	15	4332 3322	22
21	0112 1011	7	1001 1322	10	1220 0000	5	0002 2212	9	0100 2231	9	3223 1221	16
22	2111 1122	11	0221 1223	13	0000 1211	5	3011 1244	16	0111 1210	7	2112 3211	13
23	3211 2113	14	0022 2310	10	1123 3322	17	2331 1110	12	0111 2210	8	1111 1221	10
24	1112 1234	15	0101 0102	5	0012 2223	12	0011 1121	7	0000 2200	4	0111 3322	13
25	2221 1231	14	2110 1211	9	2011 1111	8	2120 0113	10	2222 4331	19	3442 3345	28
26	0100 0010	2	0111 2212	10	0001 1121	6	2211 1133	14	4211 2223	17	5443 3333	28
27	0000 1100	2	1000 0112	5	0000 0100	1	2222 3341	19	2112 3332	17	4433 2343	26
28	0000 1101	3	1211 3103	12	0012 2122	10	0012 2221	10	4433 2322	23	3233 3431	22
29	0000 1134	9			2212 2112	13	0212 1211	10	4531 3231	22	2122 3432	19
30	3333 3345	27			1011 0011	5	1112 2564	22	3333 1231	19	2322 2342	20
31	5553 4441	31			0011 2013	8			0112 3334	17		

FOR THE YEAR 1963

	July		August		September		October		November		December	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	3311 1110	11	4322 3433	24	4234 3322	23	1110 0011	5	1222 2323	17	2111 1212	11
2	0111 1210	7	2433 2333	23	2111 1333	15	0001 2112	7	2222 2543	22	2211 3333	18
3	1001 1010	4	3221 2233	18	3213 3232	19	1110 1121	8	3333 2024	20	4454 4455	35
4	1111 3444	19	3122 4333	21	1111 1022	9	2211 1111	10	1221 1132	13	3332 3345	26
5	3432 2234	23	3322 3233	21	3011 2324	16	2112 2242	16	1000 0000	1	3323 4454	28
6	3542 3321	23	2322 2323	19	3222 2223	18	2200 1221	10	2121 3344	20	3332 3444	26
7	2223 3322	19	3333 2122	19	1011 1123	10	1212 1325	17	3434 3464	31	3223 3332	21
8	3232 3324	22	3222 2101	13	2323 4210	17	3322 2412	19	5454 4554	36	3322 3333	22
9	3322 2333	21	2322 2232	18	3432 3222	21	1121 1123	12	3333 4455	30	1222 3210	13
10	1222 3333	19	1111 3320	12	2222 2214	17	2121 2142	15	4323 3544	28	0000 0000	0
11	2222 2221	15	1121 1222	12	3322 3453	25	1233 4434	24	3322 2243	21	0100 1010	3
12	2121 1221	12	1101 2221	10	4331 2232	20	4432 4665	34	2232 2343	21	2000 1013	7
13	2211 2221	13	1001 1121	7	2111 2234	16	2332 3345	25	1111 1212	10	3311 1122	14
14	1111 3301	11	2100 0111	6	4565 5554	39	4333 3443	27	1211 1002	8	1211 3343	18
15	2111 1212	11	0011 3333	14	3333 4555	31	3323 3144	23	3110 2000	7	2222 1221	14
16	3220 2322	16	2102 2322	14	3434 4354	30	4332 2442	24	1100 0002	4	3201 1222	13
17	3332 3313	21	2112 1243	16	4344 3452	29	2211 1102	10	1013 4442	19	2010 0121	7
18	2121 2323	16	2333 5324	25	3122 2423	19	2211 1122	12	1111 0020	6	1000 0000	1
19	2010 1220	8	2211 2354	20	4343 4342	27	2210 1212	11	0010 1002	4	0000 0113	5
20	0210 1332	12	6543 4433	32	3222 3222	18	2213 3224	19	2200 1000	5	3342 2253	24
21	1333 4542	25	4334 3433	27	2321 5554	27	2322 1201	13	0000 1110	3	1122 2324	17
22	1233 3332	20	1122 3223	16	4764 4468	43	0100 2100	4	0001 1432	11	2222 3243	20
23	2332 4335	25	3432 3212	20	8733 3332	32	0001 1133	9	3222 2121	15	1132 0443	18
24	5433 4433	29	4322 2222	19	0221 2345	19	5456 4344	35	1322 3345	23	3110 2343	17
25	2332 3323	21	2222 2233	18	6534 3643	34	4322 1133	19	4422 2220	18	0002 0100	3
26	3333 3333	24	4222 3322	20	2433 3534	27	3122 1112	13	0021 0000	3	0100 0102	4
27	4432 3423	25	2211 3454	22	3222 3366	27	0110 1030	6	0011 0122	7	1020 1010	5
28	3222 2110	13	4223 3454	27	5433 4454	32	0001 0343	11	1311 2000	8	2132 2254	21
29	0010 1222	8	2334 3232	22	3223 3344	24	4210 3667	29	1101 1324	13	3113 2343	20
30	3442 4353	28	2222 2334	20	3322 2212	17	7432 2221	23	2113 5332	20	2100 2213	11
31	4332 4425	27	4222 3524	24			1122 2110	10			1000 1002	4

TABLE V. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS

All Days

DECLINATION WEST (Unit 0′.01)

Month and Season, 1963	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	−142	−134	−106	− 57	− 29	+ 14	+ 38	+ 37	− 16	− 7	+ 48	+ 97	+241
February	−101	− 65	− 41	− 52	− 33	− 40	− 48	− 26	− 3	− 5	+ 47	+161	+250
March	− 96	− 86	− 81	−116	−109	−108	−113	−116	−208	*−248*	− 75	+156	+378
April	−110	−137	− 98	−130	−165	−210	−281	−332	*−333*	−255	− 65	+154	+415
May	−113	−115	−107	−145	−202	−335	−381	*−405*	−376	−216	+ 59	+294	+466
June	−109	−141	−161	−176	−231	−358	−432	*−441*	−412	−286	− 37	+225	+422
July	−101	− 87	−135	−143	−185	−319	*−381*	−376	−371	−299	−111	+141	+358
August	− 99	− 75	− 94	−159	−188	−297	−323	*−349*	−306	−136	+103	+352	+526
September	*−337*	−217	−304	−283	−175	− 98	− 99	−169	−178	− 80	+168	+414	+585
October	−161	−122	−122	− 84	− 40	− 24	− 4	− 56	−139	−154	+ 16	+232	+415
November	−103	− 83	− 11	− 23	− 16	+ 30	+ 10	− 28	− 92	− 81	+ 33	+187	+309
December	−115	− 64	− 4	+ 18	+ 28	+ 43	+ 35	+ 44	+ 14	− 16	+ 61	+132	+223
Year	−132	−110	−105	−112	−112	−142	−165	−185	*−202*	−149	+ 21	+212	+382
Winter	−115	− 86	− 40	− 28	− 12	+ 12	+ 9	+ 7	− 24	− 27	+ 47	+144	+256
Equinox	−176	−140	−151	−153	−122	−110	−124	−168	*−214*	−184	+ 11	+239	+448
Summer	−106	−104	−124	−156	−202	−327	−379	*−393*	−366	−234	+ 4	+253	+443

INCLINATION (Unit 0′.01)

January	− 14	− 17	− 10	− 16	− 50	− 73	− 72	− *74*	− 43	− 3	+ 21	+ 27	+ 5
February	+ 11	+ 7	+ 8	+ 5	+ 1	− 17	− 30	− *42*	− 29	− 33	− 24	− 14	+ 5
March	− 13	− 3	+ 10	0	− 3	− 17	− 39	− *51*	− 46	− 14	+ 8	+ 16	+ 9
April	− *51*	− 21	− 2	− 8	− 4	− 20	− 27	− 12	+ 9	+ 32	+ 48	+ *51*	+ 33
May	− 52	− 48	− 41	− 22	− 18	+ 4	+ 42	+ 60	+ 80	+ *96*	+ 82	+ 52	+ 38
June	− 37	− 39	− 19	− 12	− 14	+ 7	+ 41	+ 65	+ 88	+ *89*	+ 78	+ 48	+ 26
July	− 49	− 50	− 48	− 44	− 30	− 27	+ 15	+ 47	+ 82	+ *90*	+ 78	+ 62	+ 62
August	− *76*	− 74	− 63	− 44	− 19	+ 7	+ 42	+ 74	+100	*+113*	+ 92	+ 55	+ 21
September	− 53	− 49	− 62	− *84*	− 52	− 69	− 31	+ 27	+ 72	+103	*+105*	+ 92	+ 75
October	− 41	− 43	− 38	− 45	− 47	− 57	− *62*	− 53	− 16	+ 33	+ 65	+ 60	+ 49
November	− 17	− 24	− 30	− 38	− 47	− 56	− *69*	− 64	− 33	0	+ 28	+ 50	+ 63
December	− 4	+ 1	− 6	− 16	− 27	− 50	− 62	− *65*	− 56	− 30	− 9	− 2	+ 16
Year	− 33	− 30	− 25	− 27	− 26	− 31	− 21	− 7	+ 17	+ 40	+ *48*	+ 41	+ 34
Winter	− 6	− 8	− 10	− 16	− 31	− 49	− 58	− *61*	− 40	− 16	+ 4	+ 15	+ 22
Equinox	− 40	− 29	− 23	− 34	− 26	− 41	− 40	− 22	+ 5	+ 38	+ *56*	+ 55	+ 42
Summer	− 54	− 53	− 43	− 30	− 20	− 2	+ 35	+ 62	+ 88	+ *97*	+ 82	+ 54	+ 37

HORIZONTAL INTENSITY (Unit 0.1γ)

January	+ 14	+ 14	+ 4	+ 14	+ 61	+ 91	+ 90	+ *94*	+ 50	− 11	− 49	− *62*	− 37
February	− 14	− 10	− 14	− 7	− 1	+ 27	+ 42	+ *56*	+ 34	+ 35	+ 11	− 12	− 39
March	+ 19	+ 6	− 13	+ 5	+ 7	+ 29	+ 59	+ *79*	+ 71	+ 6	− 55	− *87*	− 78
April	+ *83*	+ 33	+ 5	+ 20	+ 17	+ 41	+ 51	+ 28	− 18	− 78	−134	*−159*	−142
May	+ 87	+ 73	+ 57	+ 30	+ 33	+ 10	− 52	− 85	−132	−185	*−196*	−171	−142
June	+ 58	+ 53	+ 17	+ 11	+ 25	+ 3	− 50	− 96	−144	−172	*−186*	−159	−117
July	+ 76	+ 69	+ 67	+ 58	+ 44	+ 46	− 21	− 71	−132	−164	−175	*−176*	−175
August	+105	+ 94	+ 76	+ 52	+ 24	− 4	− 58	−107	−159	*−202*	−196	−159	−101
September	+ 36	+ 28	+ 54	+ 87	+ 45	+ 69	+ 20	− 52	−119	−179	*−205*	−195	−154
October	+ 47	+ 41	+ 39	+ 52	+ 57	+ 77	+ *85*	+ 78	+ 26	− 61	−140	*−148*	−121
November	+ 15	+ 20	+ 27	+ 42	+ 57	+ 69	+ *88*	+ 82	+ 40	− 17	− 73	−107	*−120*
December	− 2	− 12	− 1	+ 16	+ 32	+ 66	+ 82	+ *85*	+ 71	+ 26	− 12	− 21	− 50
Year	+ 44	+ 34	+ 26	+ 32	+ 33	+ 44	+ 28	+ 8	− 34	− 84	−118	*−121*	−106
Winter	+ 3	+ 3	+ 4	+ 16	+ 37	+ 63	+ 76	+ *79*	+ 49	+ 8	− 31	− 50	− *62*
Equinox	+ 46	+ 27	+ 21	+ 41	+ 32	+ 54	+ 54	+ 33	− 10	− 78	−134	*−147*	−124
Summer	+ 82	+ 72	+ 54	+ 38	+ 32	+ 14	− 45	− 90	−142	−181	*−188*	−166	−134

DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

All Days

DECLINATION WEST (Unit 0.'01)

Universal Time. Hour commencing											Range	Month and Season, 1963
13	14	15	16	17	18	19	20	21	22	23	'	
+315	+242	+133	+ 79	+ 26	+ 18	- 62	-161	-203	-218	-156	5.33	January
+273	+218	+124	- 4	+ 9	- 9	-115	-141	-130	-144	-134	4.17	February
+457	+435	+292	+171	+ 48	+ 4	- 29	-100	-138	-142	-167	7.05	March
+550	+510	+397	+279	+167	+ 27	- 43	- 81	-112	- 68	- 76	8.83	April
+518	+454	+343	+233	+117	+ 84	+ 18	- 33	- 23	- 52	- 90	9.23	May
+514	+523	+454	+349	+249	+145	+ 54	+ 11	- 43	- 42	- 72	9.64	June
+473	+506	+455	+339	+235	+159	+ 77	- 2	- 37	- 93	-109	8.87	July
+579	+503	+319	+140	+ 57	- 5	- 12	-105	-160	-151	-129	9.28	August
+593	+491	+328	+177	+ 38	- 68	-110	-117	-143	-185	-235	9.30	September
+463	+430	+308	+ 72	- 28	- 16	-102	-184	-231	-260	-198	7.23	October
+332	+291	+197	+ 44	+ 16	- 24	-134	-252	-209	-223	-175	5.84	November
+261	+219	+115	+ 74	+ 4	- 40	-162	-226	-199	-225	-213	4.87	December
+444	+402	+289	+163	+ 78	+ 23	- 52	-116	-136	-150	-146	7.47	Year
+295	+242	+142	+ 48	+ 14	- 14	-118	-195	-185	-202	-170	5.05	Winter
+516	+466	+331	+175	+ 56	- 13	- 71	-120	-156	-164	-169	8.10	Equinox
+521	+496	+393	+265	+164	+ 96	+ 34	- 32	- 66	- 84	-100	9.26	Summer

INCLINATION (Unit 0.'01)

+ 4	+ 37	+ 38	+ 44	+ 57	+ 48	+ 44	+ 29	+ 30	+ 5	- 10	1.31	January
+ 8	+ 7	+ 27	+ 55	+ 40	+ 28	+ 8	+ 6	- 10	- 11	- 7	0.97	February
+ 7	+ 29	+ 48	+ 57	+ 46	+ 8	+ 3	- 9	- 14	- 19	- 24	1.08	March
+ 32	+ 29	+ 18	+ 5	- 4	- 2	- 11	- 9	- 23	- 25	- 35	1.02	April
+ 37	+ 37	+ 20	+ 4	- 29	- 53	- 54	- 51	- 51	- 64	- 59	1.60	May
+ 28	+ 17	0	- 7	- 33	- 56	- 53	- 58	- 51	- 63	- 46	1.47	June
+ 60	+ 49	+ 20	+ 12	- 14	- 42	- 57	- 60	- 45	- 49	- 52	1.50	July
+ 30	+ 46	+ 42	+ 13	- 14	- 41	- 46	- 68	- 61	- 58	- 75	1.89	August
+ 69	+ 50	+ 54	+ 40	+ 31	- 17	- 55	- 55	- 65	- 52	- 76	1.89	September
+ 49	+ 45	+ 52	+ 69	+ 45	+ 33	+ 6	- 6	- 15	- 48	- 32	1.31	October
+ 42	+ 38	+ 54	+ 69	+ 52	+ 35	+ 22	- 4	- 21	- 16	- 29	1.38	November
+ 30	+ 56	+ 56	+ 57	+ 46	+ 38	+ 29	+ 11	- 8	+ 7	- 6	1.22	December
+ 33	+ 37	+ 36	+ 35	+ 19	- 2	- 14	- 23	- 28	- 33	- 38	1.39	Year
+ 21	+ 34	+ 44	+ 56	+ 49	+ 37	+ 26	+ 10	- 2	- 4	- 13	1.22	Winter
+ 39	+ 38	+ 43	+ 43	+ 30	+ 6	- 14	- 20	- 29	- 36	- 42	1.32	Equinox
+ 39	+ 37	+ 20	+ 6	- 22	- 48	- 52	- 59	- 52	- 58	- 58	1.62	Summer

HORIZONTAL INTENSITY (Unit 0.1γ)

											γ	
- 20	- 43	- 32	- 40	- 54	- 43	- 36	- 15	- 21	+ 6	+ 16	15.6	January
- 30	- 13	- 26	- 59	- 37	- 20	+ 11	+ 10	+ 26	+ 24	+ 14	11.5	February
- 54	- 55	- 50	- 50	- 29	+ 19	+ 23	+ 37	+ 40	+ 41	+ 41	16.6	March
-113	- 66	- 17	+ 26	+ 51	+ 57	+ 66	+ 54	+ 65	+ 57	+ 67	24.2	April
-105	- 62	- 6	+ 35	+ 99	+133	+131	+117	+106	+116	+101	32.9	May
- 89	- 34	+ 23	+ 49	+105	+148	+136	+129	+106	+110	+ 77	33.4	June
-144	- 89	- 9	+ 28	+ 81	+122	+139	+133	+ 97	+ 96	+ 90	31.5	July
- 88	- 75	- 27	+ 42	+ 82	+118	+116	+139	+119	+100	+116	34.1	August
-115	- 52	- 22	+ 25	+ 44	+107	+140	+131	+132	+ 89	+ 90	34.5	September
- 94	- 60	- 43	- 43	- 11	- 3	+ 33	+ 40	+ 40	+ 68	+ 41	23.3	October
- 67	- 43	- 51	- 60	- 36	- 14	0	+ 31	+ 41	+ 28	+ 39	20.8	November
- 54	- 68	- 56	- 56	- 39	- 30	- 15	+ 7	+ 20	- 5	+ 8	15.3	December
- 81	- 55	- 26	- 9	+ 21	+ 50	+ 62	+ 68	+ 64	+ 61	+ 58	24.5	Year
- 43	- 42	- 41	- 54	- 42	- 27	- 10	+ 8	+ 16	+ 13	+ 19	15.8	Winter
- 94	- 58	- 33	- 10	+ 14	+ 45	+ 66	+ 66	+ 69	+ 64	+ 60	24.6	Equinox
-106	- 65	- 5	+ 38	+ 92	+130	+130	+130	+107	+106	+ 96	33.0	Summer

TABLE V. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL

All Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1963	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	+ 27	+ 26	+ 14	+ 19	+ 63	+ 88	+ 85	+ *89*	+ 51	- 10	- 53	- *70*	- 59
February	- 5	- 4	- 10	- 2	+ 2	+ 30	+ 46	+ *58*	+ 34	+ 35	+ 7	- 27	- *61*
March	+ 28	+ 14	- 5	+ 16	+ 17	+ 39	+ 69	+ *89*	+ *89*	+ 29	- 47	-100	-*112*
April	+ *92*	+ 45	+ 14	+ 32	+ 32	+ 60	+ 76	+ 58	+ 13	- 53	-126	-171	-*178*
May	+ 96	+ 83	+ 66	+ 43	+ 51	+ 41	- 16	- 47	- 96	-163	-*199*	-196	-183
June	+ 67	+ 65	+ 32	+ 27	+ 46	+ 36	- 10	- 54	-104	-143	-*180*	-177	-154
July	+ 84	+ 76	+ 78	+ 70	+ 60	+ 75	+ 14	- 35	- 96	-134	-162	-186	-*205*
August	+113	+100	+ 84	+ 66	+ 41	+ 23	- 28	- 73	-129	-187	-*203*	-189	-148
September	+ 66	+ 48	+ 81	+112	+ 60	+ 77	+ 27	- 36	-101	-169	-218	-*230*	-206
October	+ 61	+ 52	+ 50	+ 59	+ 60	+ 78	+ 84	+ 82	+ 38	- 46	-140	-*167*	-157
November	+ 24	+ 27	+ 28	+ 44	+ 58	+ 65	+ *86*	+ 83	+ 48	- 9	- 75	-123	-*147*
December	+ 9	- 6	- 1	+ 14	+ 29	+ 61	+ 78	+ *80*	+ 69	+ 27	- 17	- 33	- 70
Year	+ 55	+ 44	+ 36	+ 42	+ 43	+ 56	+ 43	+ 24	- 15	- 69	-118	-139	-*140*
Winter	+ 14	+ 11	+ 8	+ 19	+ 38	+ 61	+ 74	+ *78*	+ 50	+ 11	- 34	- 63	- *84*
Equinox	+ 62	+ 40	+ 35	+ 55	+ 42	+ 64	+ 64	+ 48	+ 10	- 60	-133	-*167*	-163
Summer	+ 90	+ 81	+ 65	+ 52	+ 50	+ 44	- 10	- 52	-106	-157	-186	-*187*	-172

WEST COMPONENT (Unit 0.1γ)

January	- 74	- 70	- 56	- 28	- 5	+ 23	+ 36	+ 36	0	- 6	+ 18	+ 42	+124
February	- 57	- 37	- 24	- 29	- 18	- 17	- 19	- 5	+ 4	+ 3	+ 27	+ 85	+128
March	- 49	- 45	- 46	- 62	- 58	- 53	- 51	- 49	-100	-*133*	- 50	+ 70	+191
April	- 45	- 68	- 52	- 67	- 86	-106	-143	-174	-*183*	-151	- 58	+ 56	+200
May	- 46	- 50	- 48	- 73	-103	-179	-214	-*233*	-225	-148	- 1	+130	+227
June	- 49	- 67	- 84	- 93	-120	-193	-241	-*254*	-246	-183	- 51	+ 95	+208
July	- 42	- 35	- 62	- 67	- 92	-164	-209	-215	-*222*	-189	- 89	+ 46	+164
August	- 36	- 25	- 38	- 77	- 97	-161	-184	-*206*	-192	-107	+ 23	+163	+267
September	-*176*	-112	-155	-138	- 87	- 41	- 50	-100	-116	- 73	+ 56	+191	+290
October	- 79	- 59	- 59	- 37	- 12	0	+ 12	- 17	- 71	- 93	- 15	+100	+203
November	- 53	- 41	- 1	- 5	+ 1	+ 28	+ 20	- 1	- 43	- 47	+ 6	+ 83	+146
December	- 62	- 37	- 2	+ 12	+ 20	+ 34	+ 33	+ 38	+ 19	- 4	+ 31	+ 68	+112
Year	- 64	- 54	- 52	- 55	- 55	- 69	- 84	- 98	-*115*	- 94	- 9	+ 94	+188
Winter	- 62	- 46	- 21	- 12	0	+ 17	+ 18	+ 17	- 5	- 14	+ 20	+ 70	+128
Equinox	- 87	- 71	- 78	- 76	- 61	- 50	- 58	- 85	-*118*	-112	- 17	+104	+221
Summer	- 43	- 44	- 58	- 78	-103	-174	-212	-*227*	-221	-157	- 30	+108	+216

VERTICAL COMPONENT (Unit 0.1γ)

January	- 16	- 26	- 24	- 23	- 32	- 44	- 43	- 38	- 34	- 37	- 41	- 49	- *67*
February	+ 5	+ 1	- 5	0	+ 1	+ 3	- 6	- 15	- 21	- 32	- 59	- *76*	- 74
March	0	+ 2	+ 5	+ 10	+ 6	+ 8	+ 2	+ 6	+ 3	- 34	- 99	-145	-*149*
April	+ 14	+ 4	+ 6	+ 19	+ 25	+ 25	+ 25	+ 22	- 11	- 69	-142	-189	-*213*
May	+ 21	+ 3	- 9	- 8	+ 15	+ 37	+ 24	+ 11	- 29	- 95	-170	-*214*	-197
June	+ 7	- 14	- 26	- 17	+ 8	+ 31	+ 28	+ 4	- 28	- 87	-158	-*200*	-181
July	+ 4	- 13	- 13	- 18	- 4	+ 14	+ 5	- 2	- 20	- 67	-134	-*192*	-188
August	- 20	- 39	- 43	- 32	- 9	+ 15	+ 11	+ 9	- 20	- 76	-135	-*176*	-159
September	-101	-106	- 92	- 91	- 77	- 81	- 60	- 28	- 25	- 55	-108	-*130*	- 94
October	- 32	- 53	- 42	- 37	- 30	- 21	- 19	- 5	+ 4	- 25	- 98	-*135*	-111
November	- 26	- 37	- 42	- 34	- 33	- 36	- 37	- 33	- 21	- 40	- 73	- *75*	- 58
December	- 20	- 24	- 23	- 20	- 19	- 20	- 24	- 30	- 31	- 44	- *59*	- 57	- *59*
Year	- 14	- 25	- 26	- 21	- 12	- 6	- 8	- 8	- 19	- 55	-106	-*136*	-129
Winter	- 14	- 22	- 24	- 19	- 21	- 24	- 28	- 29	- 27	- 38	- 58	- *64*	- *64*
Equinox	- 30	- 38	- 31	- 25	- 19	- 17	- 13	- 1	- 7	- 46	-112	-*150*	-142
Summer	+ 3	- 16	- 23	- 19	+ 2	+ 24	+ 17	+ 6	- 24	- 81	-149	-*196*	-181

COMPONENTS OF MAGNETIC INTENSITY

All Days

NORTH COMPONENT (Unit 0.1γ)

Universal Time. Hour commencing											Range	Month and Season, 1963
13	14	15	16	17	18	19	20	21	22	23	γ	
- 49	- 65	- 44	- 47	- 56	- 44	- 30	0	- 2	+ 26	+ 30	15.9	January
- 55	- 33	- 37	- 58	- 37	- 19	+ 21	+ 23	+ 38	+ 37	+ 26	11.9	February
- 95	- 94	- 76	- 65	- 33	+ 18	+ 25	+ 46	+ 52	+ 53	+ 56	20.1	March
-162	-112	- 53	0	+ 35	+ 54	+ 69	+ 61	+ 74	+ 62	+ 73	27.0	April
-151	-103	- 37	+ 13	+ 87	+123	*+128*	+118	+107	+119	+108	32.7	May
-135	- 82	- 19	+ 16	+ 81	*+133*	+129	+126	+108	+112	+ 83	31.3	June
-185	-134	- 51	- 4	+ 58	+106	+130	*+131*	+ 99	+103	+ 99	33.6	July
-140	-120	- 56	+ 29	+ 76	+117	+115	*+147*	+132	+112	+126	35.0	August
-168	- 96	- 52	+ 8	+ 40	+ 112	*+148*	+140	+143	+105	+110	37.8	September
-135	- 99	- 71	- 49	- 8	- 1	+ 42	+ 56	+ 61	+ *91*	+ 59	25.8	October
- 97	- 69	- 68	- 63	- 37	- 12	+ 12	+ 54	+ 60	+ 48	+ 55	23.3	November
- 77	- *87*	- 66	- 62	- 39	- 26	0	+ 28	+ 38	+ 16	+ 27	16.7	December
-121	- 91	- 52	- 24	+ 14	+ 47	+ 66	+ *78*	+ 76	+ 74	+ 71	25.9	Year
- 70	- 64	- 54	- 58	- 42	- 25	+ 1	+ 26	+ 34	+ 32	+ 34	17.0	Winter
-140	-100	- 63	- 26	+ 8	+ 46	+ 71	+ 76	+ *82*	+ 78	+ 74	27.7	Equinox
-153	-110	- 41	+ 14	+ 76	+120	+126	*+130*	+112	+112	+104	33.2	Summer

WEST COMPONENT (Unit 0.1γ)

											γ	
+167	+123	+ 66	+ 36	+ 5	+ 2	- 39	- 89	-113	*-117*	- 81	28.4	January
+142	+115	+ 63	- 12	- 1	- 8	- 60	- *74*	- 66	- *74*	- 70	21.6	February
+237	+225	+149	+ 84	+ 21	+ 5	- 12	- 48	- 68	- 70	- 83	37.0	March
+278	+264	+211	+155	+ 99	+ 24	- 12	- 35	- 49	- 27	- 30	46.1	April
+262	+234	+184	+132	+ 80	+ 68	+ 32	+ 2	+ 5	- 9	- 32	49.5	May
+262	*+276*	+249	+196	+152	+103	+ 52	+ 28	- 5	- 4	- 26	53.0	June
+231	*+258*	+244	+188	+140	+106	+ 65	+ 21	- 4	- 34	- 44	48.0	July
+297	+259	+168	+ 83	+ 45	+ 17	+ 13	- 33	- 66	- 65	- 50	50.3	August
+300	+256	+173	+100	+ 28	- 19	- 36	- 41	- 55	- 85	-112	47.6	September
+234	+222	+159	+ 32	- 17	- 9	- 49	- 93	-118	*-129*	-100	36.3	October
+168	+150	+ 98	+ 14	+ 3	- 15	- 72	*-131*	-106	-116	- 88	29.9	November
+132	+107	+ 53	+ 31	- 4	- 27	- 90	-121	-104	*-122*	-114	25.4	December
+226	+207	+151	+ 87	+ 46	+ 21	- 17	- 51	- 62	- 71	- 69	39.4	Year
+152	+124	+ 70	+ 17	+ 1	- 12	- 65	-104	- 97	*-107*	- 88	26.3	Winter
+262	+242	+173	+ 93	+ 33	0	- 27	- 54	- 72	- 78	- 81	41.8	Equinox
+263	+257	+211	+150	+104	+ 74	+ 40	+ 4	- 18	- 28	- 38	50.2	Summer

VERTICAL COMPONENT (Unit 0.1γ)

											γ	
- 32	+ 29	+ 58	+ 62	+ *73*	+ 68	+ 70	+ 67	+ 55	+ 31	+ 1	14.0	January
- 43	- 6	+ 34	+ *54*	+ 52	+ 50	+ *54*	+ 43	+ 24	+ 18	+ 7	13.0	February
-100	- 27	+ 50	+ 82	+ *92*	+ 71	+ 65	+ 56	+ 44	+ 29	+ 13	24.1	March
-149	- 52	+ 24	+ 76	+105	*+125*	+113	+ 95	+ 70	+ 46	+ 33	33.8	April
-114	- 15	+ 55	+ 94	*+127*	+123	+114	+ 94	+ 67	+ 45	+ 28	34.1	May
-108	- 20	+ 52	+ 88	+127	*+147*	+131	+ 96	+ 69	+ 36	+ 17	34.7	June
-123	- 35	+ 49	+108	*+137*	+136	+122	+ 99	+ 67	+ 52	+ 26	33.1	July
- 99	- 12	+ 85	*+142*	+140	+130	+107	+ 87	+ 63	+ 30	+ 8	31.8	August
- 26	+ 55	+138	+196	*+209*	+190	+134	+111	+ 81	+ 26	- 55	33.9	September
- 48	+ 18	+ 80	*+141*	+130	+107	+ 96	+ 70	+ 39	- 8	- 18	27.6	October
- 8	+ 32	+ 70	*+101*	+ 99	+ 89	+ 75	+ 59	+ 23	+ 8	- 11	17.6	November
- 19	+ 36	+ 66	+ 67	+ *69*	+ 63	+ 65	+ 54	+ 19	+ 12	- 3	12.8	December
- 72	0	+ 63	+101	*+113*	+108	+ 96	+ 78	+ 52	+ 27	+ 4	25.9	Year
- 26	+ 23	+ 57	+ 71	+ *73*	+ 68	+ 66	+ 56	+ 30	+ 17	- 2	14.4	Winter
- 81	- 2	+ 73	+124	*+134*	+123	+102	+ 83	+ 58	+ 23	- 7	29.8	Equinox
-111	- 20	+ 60	+108	+133	*+134*	+118	+ 94	+ 66	+ 41	+ 20	33.4	Summer

TABLE VI. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS

International Quiet Days

DECLINATION WEST (Unit 0′.01)

Month and Season, 1963	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	− 65	− 27	− 5	− 1	− 11	− 11	− 35	− 67	*−101*	− 83	− 5	+101	+227
February	− 75	− 71	− 47	− 39	− 33	− 37	− 53	− 49	− 41	− 59	− 21	+ 91	+183
March	− 36	− 30	− 34	− 50	− 56	− 72	− 90	−162	−322	*−354*	−192	+ 44	+272
April	− 29	− 35	− 41	− 65	−111	−171	−245	−341	*−385*	−335	−135	+ 97	+359
May	− 26	+ 4	− 58	−132	−222	−370	−470	*−484*	−412	−234	+ 54	+294	+468
June	− 20	− 16	− 48	−136	−234	−372	*−442*	−394	−350	−254	− 20	+216	+464
July	− 76	−100	−108	−160	−224	−330	−416	*−440*	−400	−274	− 74	+204	+376
August	− 88	−104	−118	−198	−242	−374	−404	*−412*	−314	−132	+140	+392	*+518*
September	−130	−110	− 96	−114	−162	−216	−264	*−284*	−234	− 96	+134	+342	*+482*
October	− 72	− 48	− 48	− 40	− 74	− 94	−130	−206	*−302*	−266	− 84	+172	+350
November	− 90	− 58	− 28	− 14	− 14	− 30	− 62	− 94	*−138*	−130	− 28	+120	+244
December	− 44	− 34	− 12	+ 14	+ 12	+ 6	− 10	− 38	− 74	− 68	− 10	+ 36	+114
Year	− 63	− 52	− 54	− 78	−114	−173	−218	−248	*−256*	−190	− 20	+176	+338
Winter	− 68	− 48	− 23	− 10	− 12	− 18	− 40	− 62	− 88	− 85	− 16	+ 87	+192
Equinox	− 67	− 56	− 55	− 67	−101	−138	−182	−248	*−311*	−263	− 69	+164	+366
Summer	− 52	− 54	− 83	−156	−230	−362	*−433*	−432	−369	−224	+ 25	+276	+456

INCLINATION (Unit 0′.01)

January	+ 24	+ 26	+ 23	+ 17	+ 6	− 5	− 17	− *32*	− 29	− 1	+ 30	+ *33*	+ 1
February	+ 39	+ 36	+ *40*	+ 37	+ 29	+ 8	− 4	− 17	− 39	− *47*	− 42	− 25	− 22
March	− 2	+ 4	+ 19	+ 19	+ 12	+ 1	− 14	− 35	− *37*	− 17	+ 7	+ 14	+ 3
April	− 1	+ 8	+ 15	+ 13	+ 14	+ 2	− 5	+ 5	+ 7	+ 25	+ 54	+ *59*	+ 36
May	− 10	− 19	− 10	+ 10	+ 16	+ 25	+ 41	+ 61	+ *78*	+ 73	+ 53	+ 27	− 1
June	− 23	− 10	− 5	− 2	− 3	+ 11	+ 42	+ 77	+ *78*	+ 77	+ 45	+ 30	+ 31
July	− 12	− 7	0	− 4	− 5	− 10	+ 5	+ 32	+ 52	+ 62	+ *66*	+ 44	+ 41
August	− 25	− 35	− 32	− 26	− 7	+ 17	+ 52	+ 88	+*103*	+ 81	+ 49	+ 24	− 2
September	− 30	− 10	+ 19	+ 18	+ 27	+ 39	+ 63	+ 70	+ *89*	+ *89*	+ 69	+ 27	− 3
October	− 1	+ 7	+ 7	− 6	− 20	− 25	− 35	− 24	+ 23	+ 64	+ *90*	+ 74	+ 41
November	− 3	+ 10	0	− 2	− 3	− 9	− 15	− 19	+ 1	+ 23	+ *43*	+ 42	+ 24
December	+ 19	+ 22	+ 21	+ 7	− 8	− 23	− 32	− *35*	− *35*	− 4	+ *34*	+ 27	+ 10
Year	− 2	+ 3	+ 8	+ 7	+ 5	+ 3	+ 7	+ 14	+ 24	+ 35	+ *42*	+ 31	+ 13
Winter	+ 20	+ *24*	+ 21	+ 15	+ 6	− 7	− 17	− *26*	− *26*	− 7	+ 16	+ 19	+ 3
Equinox	− 8	+ 2	+ 15	+ 11	+ 8	+ 4	+ 2	+ 4	+ 20	+ 40	+ *55*	+ 44	+ 19
Summer	− 18	− 18	− 12	− 6	0	+ 11	+ 35	+ 64	+ *78*	+ 73	+ 53	+ 31	+ 17

HORIZONTAL INTENSITY (Unit 0.1γ)

January	− 37	− 37	− 31	− 21	− 5	+ 13	+ 29	+ *49*	+ 41	− 5	− 59	− *65*	− 25
February	− *51*	− 45	− 49	− 41	− 31	− 1	+ 13	+ 25	+ 53	+ *61*	+ 41	+ 7	+ 1
March	+ 11	+ 3	− 17	− 13	− 1	+ 13	+ 35	+ *71*	+ *71*	+ 17	− 51	− *85*	− 79
April	+ 21	+ 9	+ 3	+ 7	+ 9	+ 25	+ 35	+ 15	− 9	− 71	−149	*−171*	−145
May	+ 42	+ 52	+ 40	+ 16	+ 16	+ 6	− 28	− 78	−122	−148	*−156*	−148	−102
June	+ 46	+ 26	+ 22	+ 24	+ 34	+ 20	− 40	−102	−124	*−148*	−134	−128	−120
July	+ 35	+ 25	+ 13	+ 19	+ 31	+ 49	+ 23	− 19	− 69	−115	*−155*	*−155*	−147
August	+ 51	+ 61	+ 55	+ 47	+ 27	− 1	− 57	−115	*−153*	−151	−131	−117	− 73
September	+ 48	+ 24	− 12	− 4	− 14	− 28	− 66	− 88	−132	−158	*−160*	−120	− 66
October	+ 13	+ 3	+ 5	+ 23	+ 41	+ 47	+ 63	+ 51	− 27	−105	*−173*	−171	−117
November	+ 3	− 15	+ 1	+ 5	+ 11	+ 19	+ 27	+ 27	− 1	− 47	− 89	− *91*	− 63
December	− 22	− 28	− 26	− 6	+ 14	+ 36	+ 48	+ *52*	+ *52*	− 2	− *62*	− 54	− 42
Year	+ 13	+ 6	0	+ 5	+ 11	+ 16	+ 7	− 9	− 35	− 73	−106	*−108*	− 82
Winter	− 27	− 31	− 26	− 16	− 3	+ 17	+ 29	+ *38*	+ 36	+ 2	− 42	− *51*	− 32
Equinox	+ 23	+ 10	− 5	+ 3	+ 9	+ 14	+ 17	+ 12	− 24	− 79	−133	*−137*	−102
Summer	+ 44	+ 41	+ 32	+ 26	+ 27	+ 18	− 26	− 78	−117	−140	*−144*	−137	−110

DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

International Quiet Days

DECLINATION WEST (Unit 0.'01)

Universal Time. Hour commencing											Range	Month and Season, 1963
13	14	15	16	17	18	19	20	21	22	23	′	
+245	+129	+ 41	+ 25	+ 11	− 5	− 37	− 63	− 89	− 95	− 71	3.46	January
+201	+149	+ 65	+ 21	+ 35	+ 15	+ 9	− 45	− 45	− 61	*−103*	3.04	February
+406	+390	+276	+140	+ 64	+ 18	− 24	− 48	− 44	− 46	− 50	7.60	March
+483	+435	+333	+197	+ 77	+ 7	− 9	− 11	− 13	− 27	− 29	8.68	April
+478	+388	+280	+172	+ 94	+ 52	+ 28	+ 38	+ 38	+ 18	− 6	9.62	May
+504	+456	+310	+ 2	+102	+ 72	+ 66	+ 30	+ 26	+ 22	+ 14	9.46	June
+430	*+430*	+370	+268	+180	+140	+ 92	+ 68	+ 40	+ 36	− 36	8.70	July
+496	+412	+230	+ 94	+ 12	+ 28	+ 66	+ 24	+ 6	+ 12	− 32	9.30	August
+474	+360	+230	+116	+ 68	+ 88	+ 46	− 12	−198	−248	−170	7.66	September
+438	+406	+232	+ 94	+ 44	− 6	− 72	− 92	− 74	− 80	− 60	7.40	October
+248	+168	+112	+ 96	+ 56	+ 26	− 34	− 52	− 84	−108	−108	3.86	November
+190	+118	+ 60	+ 30	+ 20	− 6	− 24	− 50	− 68	− *78*	− 76	2.68	December
+383	+320	+212	+105	+ 64	+ 36	+ 9	− 18	− 42	− 55	− 61	6.79	Year
+221	+141	+ 70	+ 43	+ 30	+ 8	− 22	− 52	− 72	− 86	− *90*	3.26	Winter
+450	+398	+268	+137	+ 63	+ 27	− 15	− 41	− 82	−100	− 77	7.84	Equinox
+477	+422	+298	+134	+ 97	+ 73	+ 63	+ 40	+ 28	+ 22	− 15	9.27	Summer

INCLINATION (Unit 0.'01)

											′	
− 23	− 17	− 5	+ 9	+ 8	− 3	− 10	− 9	− 13	− 13	+ 4	0.65	January
− 27	− 23	0	+ 28	+ 21	+ 10	+ 1	0	− 11	− 2	+ 3	0.87	February
+ 3	+ 14	+ *34*	+ 30	+ 24	− 2	− 8	− 6	− 20	− 24	− 25	0.71	March
+ 35	+ 17	− 8	− 10	− 32	− 30	− 28	− 39	− 39	− *53*	− 50	1.12	April
+ 10	+ 27	+ 16	− 16	− 43	− 52	− 59	− *66*	− 65	− 52	− 47	1.44	May
+ 18	− 2	− 16	− 3	− 10	− 38	− 58	− *62*	− 59	− 59	− 55	1.40	June
+ 62	+ 53	+ 24	− 1	− 18	− 54	− 54	− 54	− 69	− 75	− *79*	1.45	July
− 3	− 8	+ 3	− 5	− 4	− 25	− 55	− *63*	− 49	− 45	− 37	1.66	August
− 11	− 7	+ 10	+ 12	− 15	− 60	− 70	− *89*	− *89*	− 86	− 60	1.78	September
+ 19	+ 22	+ 19	+ 9	− 14	− 27	− 42	− *52*	− 51	− 45	− 35	1.42	October
+ 24	+ 34	+ 27	+ 15	+ 1	− 15	− 20	− 36	− 38	− 41	− *42*	0.85	November
+ 6	+ 8	+ 7	− 1	− 3	− 4	− 9	− 7	− 9	+ 4	+ 6	0.69	December
+ 9	+ 10	+ 9	+ 6	− 7	− 25	− 34	− 40	− *43*	− 41	− 35	1.17	Year
− 5	0	+ 7	+ 13	+ 7	− 3	− 10	− 13	− 18	− 13	− 7	0.76	Winter
+ 12	+ 12	+ 14	+ 10	− 9	− 30	− 37	− 46	− 50	− *52*	− 42	1.26	Equinox
+ 22	+ 18	+ 7	− 6	− 19	− 42	− 56	− *61*	− 60	− 58	− 54	1.49	Summer

HORIZONTAL INTENSITY (Unit 0.1γ)

											γ	
+ 25	+ 37	+ 17	− 7	+ 1	+ 13	+ 21	+ 19	+ 21	+ 15	− 11	11.4	January
+ 19	+ 25	+ 3	− 35	− 25	− 5	+ 5	+ 7	+ 21	+ 7	+ 1	11.2	February
− 55	− 41	− 37	− 19	− 11	+ 23	+ 29	+ 23	+ 37	+ 43	+ 41	15.6	March
−115	− 53	+ 9	+ 35	+ 81	+ 79	+ 69	+ 77	+ 73	+ *89*	+ 83	26.0	April
− 84	− 64	− 12	+ 48	+ 94	+112	+116	+*118*	+110	+ 92	+ 86	27.4	May
− 70	− 4	+ 40	+ 28	+ 50	+ 90	+*108*	+*108*	+ 96	+ 90	+ 86	25.6	June
−161	−111	− 37	+ 19	+ 53	+109	+105	+107	+123	+*131*	+*131*	28.6	July
− 45	− 9	+ 9	+ 41	+ 37	+ 63	+103	+*115*	+ 93	+ 81	+ 71	26.8	August
− 26	− 4	− 6	+ 2	+ 44	+108	+122	+152	+*154*	+140	+ 88	31.4	September
− 65	− 39	− 13	+ 9	+ 41	+ 55	+ 77	+ *85*	+ 77	+ 69	+ 55	25.8	October
− 45	− 43	− 23	− 5	+ 17	+ 37	+ 41	+ *59*	+ 57	+ 57	+ 53	15.0	November
− 28	− 10	0	+ 12	+ 12	+ 12	+ 16	+ 14	+ 16	− 2	− 6	11.4	December
− 54	− 26	− 4	+ 11	+ 33	+ 58	+ 68	+ *74*	+ 73	+ 68	+ 56	21.4	Year
− 7	+ 2	− 1	− 9	+ 1	+ 14	+ 21	+ 25	+ 29	+ 19	+ 9	12.2	Winter
− 65	− 34	− 12	+ 7	+ 39	+ 66	+ 74	+ 84	+ *85*	+ *85*	+ 67	24.7	Equinox
− 90	− 47	0	+ 34	+ 58	+ 94	+108	+*112*	+106	+ 98	+ 94	27.1	Summer

TABLE VI. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL

International Quiet Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1963	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	− 31	− 34	− 30	− 21	− 4	+ 14	+ 32	+ *54*	+ 50	+ 3	− 58	− *73*	− 46
February	− 43	− 38	− *44*	− 37	− 28	+ 2	+ 18	+ 29	+ 56	+ *66*	+ 42	− 1	− 16
March	+ 14	+ 6	− 14	− 8	+ 4	+ 19	+ 43	+ 85	+*100*	+ 49	− 33	− 88	−*103*
April	+ 23	+ 12	+ 7	+ 13	+ 19	+ 40	+ 57	+ 46	+ 27	− 39	−135	−*178*	−176
May	+ 44	+ 51	+ 45	+ 28	+ 36	+ 40	+ 16	− 32	− 82	−124	−159	−*173*	−144
June	+ 47	+ 27	+ 26	+ 36	+ 55	+ 54	+ 1	− 64	− 90	−123	−130	−146	−*161*
July	+ 41	+ 34	+ 23	+ 33	+ 51	+ 79	+ 61	+ 22	− 31	− 88	−146	−172	−179
August	+ 58	+ 70	+ 65	+ *65*	+ 49	+ 33	− 19	− 76	−122	−137	−142	−*151*	−120
September	+ 59	+ 34	− 3	+ 7	+ 1	− 8	− 41	− 61	−109	−147	−*170*	−150	−109
October	+ 19	+ 7	+ 9	+ 26	+ 47	+ 55	+ 74	+ 69	+ 1	− 79	−163	−*184*	−148
November	+ 11	− 9	+ 4	+ 6	+ 12	+ 21	+ 32	+ 35	+ 12	− 34	− 85	−*101*	− 85
December	− 18	− 24	− 25	− 7	+ 13	+ 35	+ 48	+ 55	+ *58*	+ 4	− *60*	− 57	− 52
Year	+ 19	+ 11	+ 5	+ 12	+ 21	+ 32	+ 27	+ 14	− 11	− 54	−103	−*123*	−112
Winter	− 20	− 26	− 24	− 15	− 2	+ 18	+ 32	+ 43	+ *44*	+ 10	− 40	− *58*	− 50
Equinox	+ 29	+ 15	0	+ 10	+ 18	+ 26	+ 33	+ 35	+ 5	− 54	−125	−*150*	−134
Summer	+ 48	+ 46	+ 40	+ 40	+ 48	+ 52	+ 15	− 38	− 81	−118	−144	−*160*	−151

WEST COMPONENT (Unit 0.1γ)

January	− 41	− 21	− 8	− 4	− 7	− 4	− 14	− 28	− 48	− 46	− 13	+ 44	+118
February	− 49	− 46	− 34	− 28	− 23	− 20	− 26	− 22	− 13	− 22	− 4	+ 50	+ 99
March	− 18	− 16	− 21	− 29	− 30	− 37	− 43	− 75	−162	−*188*	−112	+ 9	+133
April	− 12	− 17	− 22	− 34	− 58	− 88	−126	−181	−*209*	−193	− 98	+ 24	+169
May	− 7	+ 11	− 25	− 68	−117	−199	−258	−*274*	−243	−151	+ 3	+134	+235
June	− 3	− 4	− 22	− 69	−120	−197	−*245*	−230	−210	−162	− 33	+ 95	+230
July	− 35	− 50	− 56	− 83	−116	−170	−220	−*240*	−227	−167	− 66	+ 84	+178
August	− 39	− 46	− 54	− 99	−126	−202	−227	−*242*	−195	− 97	+ 53	+192	+*267*
September	− 62	− 55	− 54	− 62	− 90	−121	−153	−*168*	−148	− 78	+ 45	+164	+249
October	− 37	− 25	− 25	− 18	− 33	− 43	− 60	−103	−*167*	−161	− 74	+ 64	+169
November	− 48	− 34	− 15	− 7	− 6	− 13	− 29	− 46	− 75	− *78*	− 30	+ 49	+121
December	− 27	− 23	− 11	+ 7	+ 9	+ 9	+ 3	− 12	− 31	− 37	− 16	+ 10	+ 54
Year	− 32	− 27	− 29	− 41	− 60	− 90	−116	−135	−*144*	−115	− 29	+ 77	+168
Winter	− 41	− 31	− 16	− 8	− 7	− 7	− 16	− 27	− 42	− *46*	− 16	+ 38	+ 98
Equinox	− 32	− 28	− 30	− 36	− 53	− 72	− 96	−132	−*172*	−155	− 60	+ 65	+180
Summer	− 21	− 22	− 39	− 80	−120	−192	−238	−*246*	−219	−144	− 11	+126	+228

VERTICAL COMPONENT (Unit 0.1γ)

January	− 1	+ 3	+ 7	+ 11	+ 9	+ 11	+ 9	+ 3	− 5	− 15	− 31	− 37	− *53*
February	+ 16	+ 22	+ 26	+ *32*	+ 30	+ 24	+ 16	0	− 12	− 22	− 52	− 72	− *74*
March	+ 19	+ 21	+ 27	+ 37	+ 39	+ 35	+ 33	+ 41	+ 35	− 21	− 93	−147	−*173*
April	+ 44	+ 50	+ 58	+ 62	+ 68	+ 64	+ 64	+ 52	+ 4	− 76	−158	−192	−*210*
May	+ 61	+ 53	+ 59	+ 71	+ 91	+*101*	+ 77	+ 33	− 13	− 89	−177	−*247*	−241
June	+ 27	+ 27	+ 33	+ 49	+ 67	+ *85*	+ 53	+ 31	− 15	− 75	−155	−*193*	−169
July	+ 39	+ 33	+ 31	+ 31	+ 53	+ *79*	+ 71	+ 67	+ 21	− 51	−131	−*207*	−199
August	+ 32	+ 20	+ 16	+ 20	+ 38	+ 58	+ 50	+ 38	+ 4	− 68	−132	−*188*	−176
September	+ 8	+ 20	+ 38	+ 52	+ 62	+ *70*	+ 66	+ 38	+ 4	− 58	−132	−*184*	−164
October	+ 27	+ 31	+ 37	+ 33	+ 27	+ 23	+ 25	+ 33	+ 19	− 21	− 89	−*139*	−127
November	− 2	0	+ 2	+ 6	+ 14	+ 14	+ 12	− 2	0	− 28	− 56	− *66*	− 62
December	+ 15	+ 11	+ 13	+ 9	+ 5	+ 3	+ 1	− 1	− 3	− 19	− 25	− 31	− *63*
Year	+ 24	+ 24	+ 29	+ 34	+ 42	+ 47	+ 40	+ 28	+ 3	− 45	−103	−142	−*143*
Winter	+ 7	+ 9	+ 12	+ 14	+ 14	+ 13	+ 10	0	− 5	− 21	− 41	− 52	− *63*
Equinox	+ 24	+ 30	+ 40	+ 46	+ 49	+ 48	+ 47	+ 41	+ 16	− 44	−118	−166	−*168*
Summer	+ 40	+ 33	+ 35	+ 43	+ 62	+ *81*	+ 63	+ 42	− 1	− 71	−149	−*209*	−196

COMPONENTS OF MAGNETIC INTENSITY

International Quiet Days

NORTH COMPONENT (Unit 0.1γ)

Universal Time. Hour commencing											Range	Month and Season, 1963
13	14	15	16	17	18	19	20	21	22	23	γ	
+ 2	+ 25	+ 13	− 9	0	+ 13	+ 24	+ 25	+ 29	+ 24	− 4	12.7	January
0	+ 11	− 3	− 36	− 28	− 6	+ 4	+ 11	+ 25	+ 13	+ 10	11.0	February
− 92	− 76	− 62	− 32	− 17	+ 21	+ 31	+ 27	+ 41	+ 47	+ 45	20.3	March
−158	− 92	− 22	+ 16	+ 73	+ 77	+ 69	+ 77	+ 73	+ *90*	+ 85	26.8	April
−127	− 99	− 38	+ 32	+ 84	+106	+112	+*113*	+105	+ 89	+ 85	28.6	May
−115	− 46	+ 11	+ 27	+ 40	+ 82	+100	+*104*	+ 92	+ 87	+ 84	26.5	June
−*198*	−149	− 70	− 6	+ 36	+ 95	+ 95	+ 99	+118	+126	+*132*	33.0	July
− 90	− 47	− 12	+ 32	+ 35	+ 60	+ 95	+*111*	+ 91	+ 79	+ 73	26.2	August
− 69	− 37	− 27	− 9	+ 37	+ 98	+116	+151	+*170*	+161	+102	34.0	September
−104	− 76	− 34	0	+ 36	+ 55	+ 83	+ *92*	+ 83	+ 75	+ 60	27.6	October
− 67	− 58	− 33	− 14	+ 12	+ 34	+ 44	+ 63	+ 64	+ *66*	+ 62	16.7	November
− 45	− 21	− 6	+ 9	+ 10	+ 12	+ 18	+ 18	+ 22	+ 5	+ 1	11.8	December
− 89	− 55	− 24	+ 1	+ 26	+ 54	+ 66	+ 74	+ *76*	+ 72	+ 61	22.9	Year
− 28	− 11	− 7	− 12	− 2	+ 13	+ 22	+ 29	+ 35	+ 27	+ 17	13.0	Winter
−106	− 70	− 36	− 6	+ 32	+ 63	+ 75	+ 87	+ 92	+ *93*	+ 73	27.2	Equinox
−132	− 85	− 27	+ 21	+ 49	+ 86	+100	+*107*	+102	+ 95	+ 94	28.6	Summer

WEST COMPONENT (Unit 0.1γ)

											γ	
+*136*	+ 76	+ 25	+ 12	+ 6	− 1	− 16	− 31	− 44	− *49*	− 40	18.5	January
+*112*	+ 85	+ 36	+ 5	+ 15	+ 7	+ 6	− 23	− 21	− 32	− *55*	16.7	February
+*210*	+203	+143	+ 72	+ 33	+ 14	− 8	− 22	− 18	− 18	− 20	39.8	March
+*241*	+226	+181	+112	+ 55	+ 17	+ 7	+ 7	+ 5	0	− 2	45.0	April
+*244*	+198	+149	+101	+ 66	+ 47	+ 35	+ 40	+ 39	+ 25	+ 11	51.8	May
+*260*	+245	+174	+ 6	+ 63	+ 54	+ 54	+ 34	+ 30	+ 27	+ 22	50.5	June
+205	+*213*	+193	+148	+106	+ 94	+ 67	+ 55	+ 42	+ 41	+ 3	45.3	July
+260	+221	+126	+ 58	+ 13	+ 26	+ 53	+ 32	+ 19	+ 20	− 5	50.9	August
+*251*	+193	+123	+ 63	+ 44	+ 66	+ 45	+ 19	− 81	−110	− 77	41.9	September
+*225*	+212	+123	+ 52	+ 31	+ 6	− 26	− 35	− 27	− 32	− 23	39.2	October
+*126*	+ 83	+ 57	+ 51	+ 33	+ 20	− 11	− 18	− 36	− 49	− 49	20.4	November
+ *98*	+ 62	+ 32	+ 18	+ 13	− 1	− 10	− 25	− 34	− *42*	− *42*	14.0	December
+*197*	+168	+114	+ 58	+ 40	+ 29	+ 16	+ 3	− 10	− 18	− 23	36.2	Year
+*118*	+ 76	+ 38	+ 22	+ 17	+ 6	− 8	− 24	− 34	− 43	− *46*	17.4	Winter
+*232*	+208	+142	+ 75	+ 41	+ 26	+ 4	− 8	− 30	− 40	− 30	41.5	Equinox
+*242*	+219	+160	+ 78	+ 62	+ 55	+ 52	+ 40	+ 32	+ 28	+ 8	49.6	Summer

VERTICAL COMPONENT (Unit 0.1γ)

											γ	
− 23	+ 25	+ 21	+ 15	+ *29*	+ 21	+ 13	+ 11	+ 3	− 11	− 13	8.2	January
− 50	− 22	+ 6	+ 16	+ 16	+ 22	+ 16	+ 16	+ 10	+ 10	+ 14	10.6	February
−117	− 45	+ 31	+ *59*	+ 57	+ 47	+ 41	+ 33	+ 17	+ 15	+ 9	23.2	March
−146	− 62	− 8	+ 46	+ 76	+ *78*	+ 64	+ 42	+ 32	+ 22	+ 20	28.8	April
−161	− 53	+ 29	+ 55	+ 69	+ 77	+ 63	+ 45	+ 29	+ 31	+ 35	34.8	May
− 99	− 17	+ 37	+ 55	+ 81	+ 77	+ 47	+ 33	+ 17	+ 3	+ 7	27.8	June
−157	− 71	− 3	+ 39	+ 61	+ 63	+ 55	+ 61	+ 45	+ 41	+ 29	28.6	July
−116	− 50	+ 32	+ *78*	+ 72	+ 60	+ 46	+ 46	+ 46	+ 32	+ 36	26.6	August
−100	− 32	+ 22	+ 46	+ 50	+ 42	+ 40	+ 42	+ 48	+ 24	− 4	25.4	September
− 83	− 15	+ 37	+ *53*	+ 45	+ 33	+ 33	+ 17	+ 1	+ 3	+ 7	19.2	October
− 20	+ 20	+ *42*	+ *42*	+ *42*	+ 34	+ 26	+ 10	0	− 10	− 22	10.8	November
− 45	+ 3	+ *25*	+ *25*	+ 19	+ 15	+ 7	+ 7	+ 5	+ 9	+ 7	8.8	December
− 93	− 27	+ 23	+ 44	+ *51*	+ 47	+ 38	+ 30	+ 21	+ 14	+ 10	21.1	Year
− 34	+ 6	+ 24	+ 24	+ *26*	+ 23	+ 16	+ 11	+ 4	0	− 4	9.6	Winter
−112	− 38	+ 20	+ 51	+ *57*	+ 50	+ 44	+ 34	+ 24	+ 16	+ 8	24.2	Equinox
−133	− 48	+ 24	+ 57	+ 71	+ 69	+ 53	+ 46	+ 34	+ 27	+ 27	29.4	Summer

TABLE VII. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS

International Disturbed Days

DECLINATION WEST (Unit 0'.01)

Month and Season, 1963	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	−384	*−614*	−426	−254	−168	+ 56	+192	+336	+292	+322	+346	+222	+326
February	−191	− 23	+ 39	− 51	+ 59	+ 69	+ 53	+135	+215	+165	+199	+315	*+383*
March	−158	−144	−106	−214	− 78	− 12	− 26	+138	+ 88	−100	+ 98	+304	*+532*
April	−246	−298	−208	−164	−158	−160	−244	−280	−266	−148	+ 6	+158	+460
May	−104	+ 20	− 68	−232	−264	*−364*	−332	−314	−342	−114	+146	+326	+472
June	−348	*−474*	−226	−106	− 82	−322	−374	−330	−326	−254	− 38	+200	+448
July	−168	−128	−232	− 36	−120	−280	−292	−384	*−426*	−364	−172	+150	+442
August	−120	+ 34	+142	− 96	−136	−190	−186	−130	−104	+ 64	+208	+382	+498
September	*−1215*	−873	−1181	−1047	−429	+275	+267	+151	+143	+119	+313	+561	*+759*
October	−402	−352	−300	−228	+ 94	+114	+326	+280	+216	+158	+294	+360	+544
November	− 56	−132	+192	+ 50	+ 24	+290	+358	+278	+ 60	+ 52	+208	+366	+466
December	−208	−104	+ 58	+128	+174	+204	+224	+350	+262	+ 96	+126	+222	+338
Year	−300	−257	−193	−188	− 90	− 27	− 3	+ 19	− 16	0	+144	+297	+472
Winter	−210	−218	− 34	− 32	+ 22	+155	+207	+275	+207	+159	+220	+281	+378
Equinox	*−505*	−417	−449	−413	−143	+ 54	+ 81	+ 72	+ 45	+ 7	+178	+346	+574
Summer	−185	−137	− 96	−118	−150	−289	−296	−290	*−300*	−167	+ 36	+264	+465

INCLINATION (Unit 0'.01)

January	− 90	− 79	− 77	−109	−224	*−284*	−195	−153	− 82	+ 41	+ 49	+ 74	+ 42
February	− 21	− 17	− 24	− 13	+ 17	− 20	− 30	− 28	+ 33	− 18	− 16	− 6	+ 68
March	− 44	− 32	+ 4	− 23	0	− 51	−101	*−104*	−100	− 19	− 13	+ 26	+ 45
April	− *91*	− 12	+ 30	+ 18	+ 11	− 22	− 39	− 25	+ 40	+ 35	+ 41	+ 47	− 4
May	− 73	−115	*−174*	− 95	− 67	+ 25	+ 52	+ 87	+136	*+193*	+173	+128	+ 75
June	− 36	− *95*	− 67	− 80	− 84	− 41	+ 55	+ 95	*+119*	+ 84	+ 98	+ 75	+ 70
July	*−133*	−102	− 80	− 86	− 89	− 64	− 10	+ 37	+ 58	+ 72	+ 75	+ 65	*+160*
August	−104	−109	−108	*−134*	− 62	− 42	0	+ 76	+ 79	+103	+117	+117	+ 74
September	− 68	− 37	−185	*−366*	−157	−268	−138	+ 94	+190	+171	+173	+161	+190
October	*−189*	−145	−143	−161	−125	−114	− 95	− 80	− 21	+ 72	+106	+ 29	+ 5
November	− 93	−131	−146	*−155*	−148	−119	−124	−119	− 96	− 26	+ 58	+110	+161
December	− 36	− 34	− 42	− 49	− 43	− 93	− 98	*−109*	− 92	− 75	− 34	− 5	+ 61
Year	− 82	− 76	− 84	*−104*	− 81	− 91	− 60	− 19	+ 22	+ 53	+ 69	+ 68	+ 79
Winter	− 60	− 65	− 72	− 82	−100	*−129*	−112	−102	− 59	− 20	+ 14	+ 43	+ 83
Equinox	− 98	− 56	− 74	*−133*	− 68	−114	− 93	− 29	+ 27	+ 65	+ 77	+ 66	+ 59
Summer	− 86	−105	*−107*	− 99	− 76	− 30	+ 24	+ 74	+ 98	+113	*+116*	+ 96	+ 95

HORIZONTAL INTENSITY (Unit 0.1γ)

January	+115	+ 91	+ 79	+121	+273	*+337*	+205	+159	+ 61	−113	−115	−135	− 79
February	+ 13	+ 1	− 3	− 11	− 47	+ 17	+ 27	+ 21	− 71	+ 9	− 1	− 21	*−123*
March	+ 39	+ 23	− 31	+ 15	− 27	+ 55	*+125*	+123	+121	+ 1	− 31	−101	−121
April	*+133*	+ 1	− 57	− 25	− 21	+ 27	+ 53	+ 35	− 69	− 83	−123	*−143*	− 85
May	+119	+153	+213	+ 83	+ 65	− 49	− 87	−127	−215	*−331*	−323	−257	−167
June	+ 70	+122	+ 46	+ 52	+ 64	+ 22	−104	−164	−200	−164	*−206*	−190	−172
July	*+176*	+114	+ 94	+ 88	+100	+ 74	0	− 64	−106	−146	−178	−186	*−330*
August	+118	+106	+ 96	+156	+ 66	+ 42	− 24	−140	−146	−196	−226	*−230*	−146
September	− 97	−141	+ 97	*+355*	+ 87	+221	+ 67	−213	*−305*	−253	−251	−231	−253
October	*+187*	+ 85	+103	+153	+113	+127	+103	+ 91	+ 17	−119	*−191*	− 69	− 17
November	+ 82	+126	+134	*+168*	+166	+126	+138	+146	+132	+ 16	−120	−194	*−252*
December	+ 13	+ 15	+ 29	+ 47	+ 45	+125	+129	*+139*	+115	+ 87	+ 17	− 29	−119
Year	+ 81	+ 58	+ 67	*+100*	+ 74	+ 94	+ 53	0	− 56	−108	−146	−149	*−155*
Winter	+ 56	+ 58	+ 60	+ 81	+109	*+151*	+125	+116	+ 59	0	− 55	− 95	*−143*
Equinox	+ 66	− 8	+ 28	*+124*	+ 38	+108	+ 87	+ 9	− 59	−114	*−149*	−136	−119
Summer	+121	+124	+112	+ 95	+ 74	+ 22	− 54	−124	−167	−209	*−233*	−216	−204

DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

International Disturbed Days

DECLINATION WEST (Unit 0.′01)

Universal Time. Hour commencing											Range	Month and Season, 1963
13	14	15	16	17	18	19	20	21	22	23	′	
+372	*+430*	+308	0	+ 52	- 42	-250	-292	-272	-280	-280	10.44	January
+343	+247	+117	-229	-117	-107	*-591*	-477	-243	-243	- 61	9.74	February
+516	+506	+330	+242	-142	-220	-230	-390	*-406*	-246	-272	9.38	March
+586	+568	+470	+418	+348	+ 78	-180	*-310*	-216	- 94	-130	8.96	April
+534	+402	+292	+204	+ 2	+ 32	- 12	- 4	- 70	- 66	-140	8.98	May
+592	+560	+572	+454	+352	+208	+108	+ 24	-192	-168	-270	10.66	June
+562	*+614*	+610	+448	+316	+146	+ 12	-242	-208	-136	-104	10.40	July
+540	+444	+242	+ 98	+ 56	-252	-186	-194	-416	*-398*	-288	9.38	August
+691	+581	+399	+195	+183	- 25	- 75	+ 35	+ 37	+171	- 33	19.74	September
+544	*+558*	+498	-186	-438	- 76	-208	*-750*	-554	-360	-142	13.08	October
+480	+476	+176	-192	-252	-222	-418	*-824*	-472	-532	-374	13.04	November
+356	+276	+122	+ 52	-262	-210	-506	*-564*	-452	-390	-284	9.20	December
+510	+472	+345	+125	+ 8	- 58	-211	*-332*	-289	-228	-198	11.08	Year
+388	+357	+181	- 92	-145	-145	-441	*-539*	-360	-361	-250	10.60	Winter
+584	+553	+424	+167	- 12	- 61	-173	-354	-285	-132	-144	12.79	Equinox
+557	+505	+429	+301	+182	+ 34	- 20	-104	-222	-192	-200	9.86	Summer

INCLINATION (Unit 0.′01)

											′	
+ 65	+158	+161	+150	*+179*	+163	+110	+ 65	+ 73	+ 24	- 57	4.63	January
+ 55	+ 10	+ 56	*+ 95*	+ 48	+ 44	+ 13	+ 7	- 58	- 66	*-131*	2.26	February
+ 52	+ 84	+114	*+149*	+142	+ 36	+ 46	- 43	- 69	- 27	- 69	2.53	March
+ 33	*+ 67*	+ 59	+ 5	- 25	- 16	- 28	+ 28	- 22	- 64	- 61	1.58	April
+ 69	+ 68	+ 17	+ 14	- 37	- 54	- 46	- 50	- 54	-159	-117	3.67	May
+115	+ 57	- 25	- 24	- 47	- 70	- 39	- 57	- 14	- 61	- 25	2.14	June
+115	+ 64	+ 11	+ 57	+ 27	+ 23	+ 6	- 48	- 23	- 34	-100	2.93	July
+ 94	*+141*	+ 84	+ 33	- 25	- 50	- 32	- 62	- 63	- 69	- 51	2.75	August
+203	+197	+179	+137	+ 90	- 56	+128	-158	-149	- 24	- 46	5.69	September
+ 56	+ 73	+ 72	*+168*	+162	+146	+106	+ 69	+ 52	- 22	- 15	3.57	October
+127	+ 87	+108	*+199*	+175	+120	+115	+ 9	- 51	- 1	- 57	3.54	November
+ 95	*+160*	+110	+145	+ 96	+ 58	+ 71	- 8	- 60	+ 24	- 42	2.69	December
+ 90	*+ 97*	+ 79	+ 94	+ 65	+ 29	+ 16	- 21	- 36	- 40	- 64	3.16	Year
+ 86	+104	+109	*+147*	+124	+ 96	+ 77	+ 18	- 24	- 5	- 72	3.28	Winter
+ 86	+105	+106	*+115*	+ 92	+ 28	- 1	- 26	- 47	- 34	- 48	3.34	Equinox
+ 98	+ 82	+ 22	+ 20	- 20	- 38	- 28	- 54	- 38	- 81	- 73	2.87	Summer

HORIZONTAL INTENSITY (Unit 0.1γ)

											γ	
- 93	*-197*	-171	-135	-177	-155	- 79	- 35	- 57	+ 3	+ 95	53.4	January
- 77	- 1	- 39	- 73	- 17	- 17	+ 43	+ 25	+ 89	+ 91	*+165*	28.8	February
- 95	- 99	- 97	*-141*	-107	+ 17	- 11	+101	+117	+ 31	+ 89	26.6	March
-111	-115	- 65	+ 37	+ 89	+ 95	+117	+ 27	+ 75	+115	+ 93	27.6	April
-131	- 89	+ 17	+ 39	+137	+153	+133	+127	+125	*+249*	+173	58.0	May
-196	- 62	+ 84	+ 98	+152	*+206*	+150	+152	+ 76	+116	+ 42	41.2	June
-216	-102	+ 24	- 8	+ 54	+ 64	+ 88	+150	+ 78	+ 76	+150	50.6	July
-150	-184	- 54	+ 40	+124	*+182*	+124	+146	+132	+102	+ 54	41.2	August
-221	-167	- 81	+ 19	+ 61	+255	+323	+351	+305	+ 63	+ 5	66.0	September
- 51	- 45	- 13	- 79	- 81	-103	- 53	- 29	- 71	- 45	- 23	37.8	October
-172	-102	- 92	-188	-144	- 80	- 90	+ 54	+ 80	- 2	+ 60	42.0	November
-143	*-199*	-103	-149	- 63	- 29	- 37	+ 49	+ 87	- 53	+ 35	33.8	December
-138	-114	- 49	- 45	+ 2	+ 49	+ 59	+ 93	+ 86	+ 62	+ 78	42.2	Year
-121	-125	-101	-136	-100	- 70	- 41	+ 23	+ 50	+ 10	+ 89	39.5	Winter
-120	-106	- 64	- 41	- 10	+ 66	+ 94	+112	+106	+ 41	+ 41	39.5	Equinox
-173	-109	+ 18	+ 42	+117	*+151*	+124	+144	+103	+136	+105	47.8	Summer

TABLE VII. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL

International Disturbed Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1963	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	+149	+146	+117	+143	+285	*+327*	+184	+126	+ 33	−141	−145	−154	−108
February	+ 30	+ 3	− 7	− 6	− 52	+ 10	+ 22	+ 8	− 90	− 6	− 19	− 50	*−156*
March	+ 53	+ 36	− 21	+ 34	− 19	+ 55	+126	+109	+111	+ 10	− 40	−128	*−168*
April	*+154*	+ 28	− 37	− 10	− 6	+ 41	+ 75	+ 60	− 44	− 68	−122	−156	−126
May	+127	+149	+216	+103	+ 88	− 15	− 55	− 96	−181	−316	*−332*	−283	−208
June	+101	+164	+ 66	+ 61	+ 71	+ 51	− 68	−131	−167	−138	−200	−206	−211
July	*+189*	+124	+114	+ 90	+110	+ 99	+ 27	− 28	− 65	−111	−160	−197	*−366*
August	+127	+101	+ 82	+163	+ 78	+ 59	− 7	−126	−134	−199	−242	*−262*	−190
September	+ 16	− 59	+204	*+446*	+125	+193	+ 42	−224	−314	−260	−276	−279	*−319*
October	*+221*	+116	+129	+172	+103	+115	+ 72	+ 64	− 3	−132	*−215*	−101	− 67
November	+ 86	+136	+114	*+161*	*+161*	+ 98	+103	+118	+125	+ 11	−137	−225	*−291*
December	+ 32	+ 24	+ 23	+ 35	+ 28	+105	+107	+105	+ 89	+ 77	+ 5	− 49	−148
Year	+107	+ 81	+ 83	+116	+ 81	+ 95	+ 52	− 1	− 53	−106	−157	−174	*−196*
Winter	+ 74	+ 77	+ 62	+ 83	+106	*+135*	+104	+ 89	+ 39	− 15	− 74	−120	*−176*
Equinox	+111	+ 30	+ 69	*+160*	+ 51	+101	+ 79	+ 2	− 62	−112	−163	−166	−170
Summer	+136	+134	+120	+104	+ 87	+ 48	− 26	− 95	−137	−191	−234	−237	*−244*

WEST COMPONENT (Unit 0.1γ)

January	−188	*−316*	−216	−117	− 45	+ 87	+138	*+208*	+168	+155	+167	+ 97	+163
February	−101	− 12	+ 21	− 29	+ 24	+ 40	+ 33	+ 76	+104	+ 90	+107	+166	*+186*
March	− 79	− 74	− 62	−113	− 47	+ 3	+ 7	+ 95	+ 68	− 54	+ 48	+147	*+267*
April	−110	−161	−122	− 93	− 89	− 82	−123	−145	−155	− 94	− 17	+ 61	+234
May	− 36	+ 36	− 1	−111	−131	−205	−194	−191	*−221*	−117	+ 24	+133	+226
June	−176	*−235*	−114	− 48	− 33	−170	−219	−206	−209	−165	− 55	+ 76	+213
July	− 61	− 50	−109	− 5	− 48	−139	−157	−218	*−248*	−221	−123	+ 50	+183
August	− 45	+ 36	+ 93	− 26	− 62	− 95	−104	− 94	− 81	+ 2	+ 74	+167	+244
September	*−672*	−494	−621	−505	−217	+185	+155	+ 46	+ 26	+ 22	+127	+264	*+367*
October	−185	−176	−144	− 97	+ 70	+ 83	+193	+166	+119	+ 65	+126	+183	+291
November	− 16	− 50	+126	+ 55	+ 41	+178	+216	+174	+ 55	+ 31	+ 92	+165	+209
December	−110	− 54	+ 36	+ 77	+101	+131	+142	*+212*	+161	+ 66	+ 71	+115	+162
Year	−148	−129	− 93	− 84	− 36	+ 1	+ 7	+ 10	− 18	− 18	+ 53	+135	+229
Winter	−104	−108	− 8	− 4	+ 30	+109	+132	+168	+122	+ 86	+109	+136	+180
Equinox	*−262*	−226	−237	−202	− 71	+ 47	+ 58	+ 40	+ 14	− 15	+ 71	+164	+290
Summer	− 80	− 53	− 33	− 48	− 68	−152	−168	−177	*−190*	−125	− 20	+106	+216

VERTICAL COMPONENT (Unit 0.1γ)

January	− 46	− 64	− 84	− 98	−148	*−208*	−204	−162	−142	−120	− 96	− 56	− 38
February	− 44	− 58	*− 92*	− 72	− 50	− 30	− 40	− 50	− 48	− 40	− 58	− 68	− 50
March	− 61	− 59	− 57	− 45	− 63	− 49	− 63	− 77	− 67	− 65	−117	*−145*	−125
April	− 8	− 40	− 28	+ 4	− 12	− 14	− 12	− 6	− 22	− 70	−142	−166	*−210*
May	+ 23	− 47	−113	−139	− 83	− 27	− 21	+ 7	− 25	− 95	−145	*−149*	−127
June	+ 37	− 47	−125	−157	−145	− 93	− 49	− 51	− 49	− 89	−137	*−179*	−153
July	− 56	− 90	− 62	− 94	− 78	− 52	− 34	− 20	− 42	− 88	−150	−204	*−206*
August	− 88	−134	*−152*	−106	− 64	− 50	− 56	− 60	− 62	− 96	−116	−126	− 80
September	*−459*	−455	−419	−449	−343	−419	−325	−167	− 47	+ 9	+ 21	+ 25	+ 73
October	−224	*−306*	−258	−206	−172	−102	− 92	− 68	− 34	− 24	− 72	− 60	− 22
November	−133	−165	*−197*	−151	−129	−121	−111	− 75	− 29	− 53	− 77	− 67	− 25
December	*− 96*	− 84	− 80	− 62	− 46	− 34	− 42	− 56	− 54	− 58	− 78	− 86	− 64
Year	− 96	−129	*−139*	−131	−111	−100	− 87	− 65	− 52	− 66	− 97	−107	− 86
Winter	− 80	− 93	*−113*	− 96	− 93	− 98	− 99	− 86	− 68	− 68	− 77	− 69	− 44
Equinox	−188	*−215*	−190	−174	−148	−146	−123	− 80	− 42	− 38	− 78	− 86	− 71
Summer	− 21	− 80	−113	−124	− 92	− 56	− 40	− 31	− 44	− 92	−137	*−164*	−142

COMPONENTS OF MAGNETIC INTENSITY

International Disturbed Days

NORTH COMPONENT (Unit 0.1γ)

Universal Time. Hour commencing											Range	Month and Season, 1963
13	14	15	16	17	18	19	20	21	22	23	γ	
−126	*−234*	−197	−133	−179	−149	− 55	− 8	− 31	+ 29	+119	56.1	January
−107	− 24	− 49	− 51	− 6	− 7	+ 97	+ 68	+110	+112	*+168*	32.4	February
−141	−144	−126	−161	− 92	+ 37	+ 10	+135	*+153*	+ 53	+113	32.1	March
−163	*−166*	−107	− 2	+ 56	+ 87	+132	+ 55	+ 94	+122	+104	32.0	April
−178	−125	− 10	+ 20	+135	+148	+132	+126	+130	*+252*	+183	58.4	May
−248	−113	+ 30	+ 55	+118	*+184*	+138	+148	+ 93	+130	+ 66	43.2	June
−265	−157	− 32	− 49	+ 24	+ 50	+ 86	+170	+ 96	+ 87	+157	55.5	July
−198	−222	− 75	+ 30	+117	+203	+139	+162	*+168*	+137	+ 80	43.0	August
−281	−218	−117	+ 1	+ 43	+254	+325	+343	+297	+ 46	+ 8	76.5	September
−100	− 96	− 59	− 61	− 40	− 95	− 33	+ 40	− 19	− 11	− 10	43.6	October
−214	−144	−107	−168	−119	− 58	− 50	+129	+122	+ 47	+ 94	45.2	November
−174	*−222*	−113	−152	− 38	− 9	+ 10	+100	*+127*	− 16	+ 61	34.9	December
−183	−155	− 80	− 56	+ 2	+ 54	+ 78	*+122*	+112	+ 82	+ 95	46.1	Year
−155	−156	−116	−126	− 86	− 56	0	+ 72	+ 82	+ 43	+110	42.2	Winter
−171	−156	−102	− 56	− 8	+ 71	+108	+143	+131	+ 52	+ 54	46.0	Equinox
−222	−154	− 22	+ 14	+ 98	+146	+124	*+152*	+122	*+152*	+122	50.0	Summer

WEST COMPONENT (Unit 0.1γ)

											γ	
+185	+199	+137	− 23	− 2	− 49	−148	−163	−156	−150	−135	52.4	January
+172	+133	+ 57	−136	− 66	− 61	*−312*	−253	−116	−116	− 5	49.8	February
+262	+256	+162	+107	− 95	−116	−126	−193	*−199*	−127	−132	46.6	March
+297	+287	+243	+232	+203	+ 58	− 77	*−163*	−104	− 31	− 54	46.0	April
+266	+202	+160	+117	+ 24	+ 43	+ 16	+ 19	− 17	+ 6	− 46	48.7	May
+286	+292	*+323*	+261	+215	+147	+ 83	+ 38	− 91	− 71	−139	55.8	June
+267	+314	*+333*	+240	+179	+ 89	+ 21	−105	− 99	− 61	− 31	58.1	July
+266	+209	+121	+ 60	+ 51	−105	− 79	− 80	*−202*	−198	−146	46.8	August
+336	+285	+202	+108	+109	+ 29	+ 14	+ 78	+ 71	+103	− 17	103.9	September
+285	*+293*	+266	−114	−250	− 58	−121	*−409*	−311	−202	− 80	70.2	October
+230	*+240*	+ 79	−135	−160	−133	−241	*−435*	−241	−287	−192	67.5	November
+168	+115	+ 48	+ 3	−152	−118	−279	*−296*	−229	−219	−147	50.8	December
+252	+235	+178	+ 60	+ 5	− 23	−104	*−164*	−141	−113	− 94	58.0	Year
+189	+172	+ 80	− 73	− 95	− 90	−245	*−287*	−186	−193	−120	55.1	Winter
+295	+280	+218	+ 83	− 8	− 22	− 78	−172	−136	− 64	− 71	66.7	Equinox
+271	+254	+234	+170	+117	+ 44	+ 10	− 32	−102	− 81	− 90	52.4	Summer

VERTICAL COMPONENT (Unit 0.1γ)

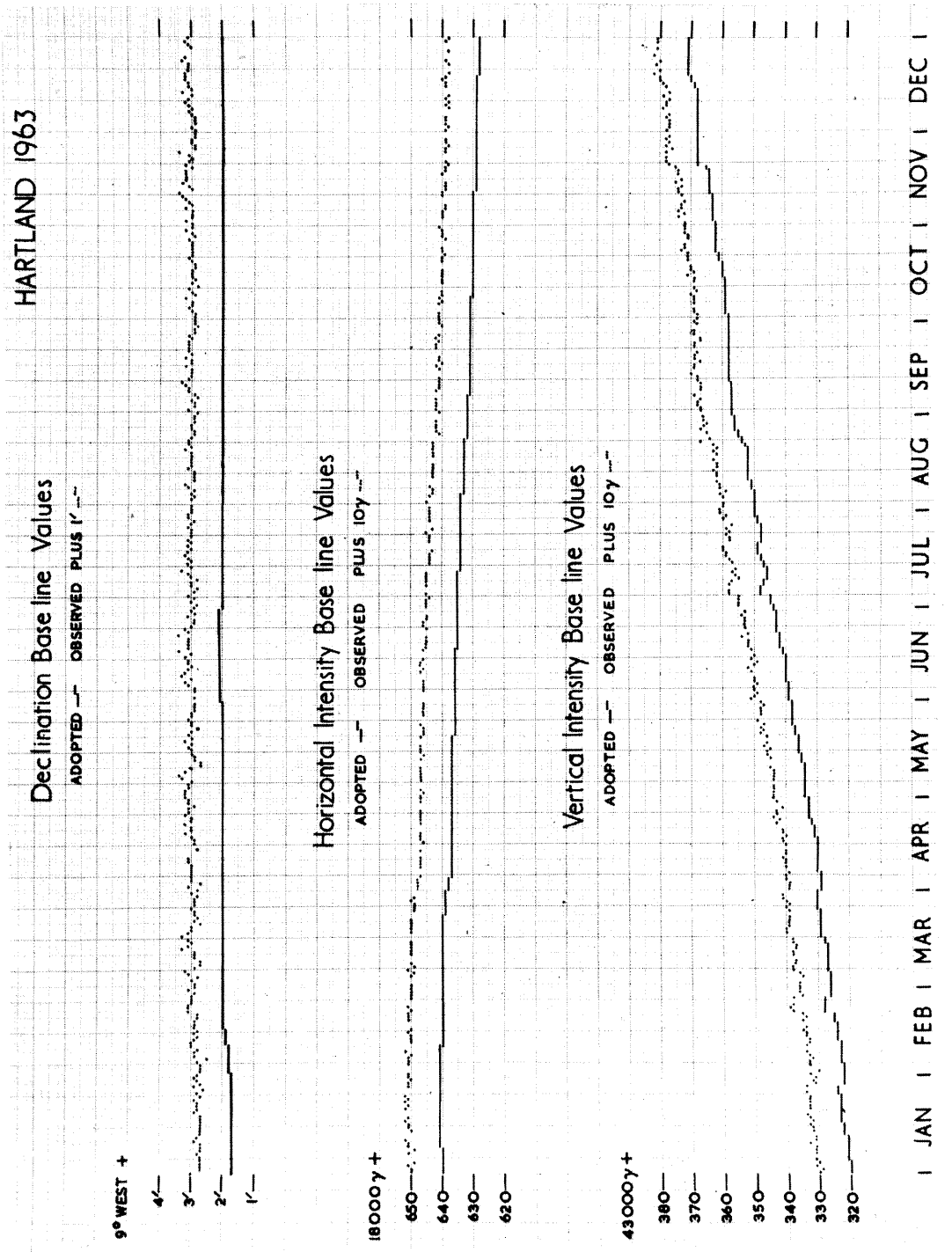
											γ	
+ 10	+ 92	+164	+210	*+212*	+208	+200	+144	+120	+ 92	+ 22	42.0	January
+ 12	+ 34	+104	*+160*	+128	+112	+144	+ 82	+ 4	− 18	− 74	25.2	February
− 39	+ 63	+173	+191	*+245*	+163	+133	+ 85	+ 31	− 21	− 35	39.0	March
−142	− 34	+ 54	+104	+120	+164	*+172*	+160	+ 96	+ 42	+ 2	38.2	April
− 65	+ 31	+ 99	+139	*+189*	+165	+149	+119	+101	+ 25	− 7	33.8	May
− 53	+ 55	+107	+145	+189	*+233*	+213	+155	+127	+ 57	+ 11	41.2	June
−100	− 12	+ 94	+180	+218	*+228*	+226	+180	+102	+ 56	− 2	43.4	July
− 22	+ 64	+168	+208	+200	*+248*	+174	+122	+ 86	− 2	− 52	40.0	August
+195	+297	+433	*+519*	+455	+395	+301	+263	+189	+ 63	−149	97.8	September
+ 78	+150	+220	*+400*	+374	+268	+244	+172	+ 18	−180	−106	70.6	October
+ 43	+ 67	+163	+257	*+275*	+231	+191	+157	+ 7	− 9	− 59	47.2	November
0	+ 94	+144	+158	*+186*	+134	+162	+ 86	− 6	− 40	− 66	28.2	December
− 7	+ 75	+160	+223	*+233*	+212	+192	+144	+ 73	+ 5	− 43	45.6	Year
+ 16	+ 72	+144	+196	*+200*	+171	+174	+117	+ 31	+ 6	− 44	35.6	Winter
+ 23	+119	+220	*+304*	+298	+248	+212	+170	+ 84	− 24	− 72	61.4	Equinox
− 60	+ 34	+117	+168	+199	*+218*	+190	+144	+104	+ 34	− 12	39.6	Summer

TABLE VIII. - NON-CYCLIC CHANGE (24^h *minus* 0^h)

Month 1963	All Days			International Quiet Days			International Disturbed Days		
	Declination West	Horizontal Intensity	Vertical Intensity	Declination West	Horizontal Intensity	Vertical Intensity	Declination West	Horizontal Intensity	Vertical Intensity
	′	γ	γ	′	γ	γ	′	γ	γ
January	−0.03	−0.5	+0.3	+0.02	+2.0	−1.6	+0.42	− 5.0	+ 2.2
February	−0.03	+0.7	−0.5	−0.04	+4.8	+0.2	+1.40	+11.0	− 4.2
March	−0.08	+0.6	−0.1	−0.16	+2.4	−0.2	+1.30	+ 6.2	− 1.8
April	+0.09	−0.1	+0.3	−0.24	+7.0	−2.0	−0.22	− 3.8	− 1.8
May	0.00	+0.2	−0.1	0.00	+3.6	−1.8	−0.70	+ 4.2	− 3.8
June	+0.02	+0.2	0.0	+0.10	0.0	−1.6	+0.68	− 7.8	− 4.0
July	0.00	+0.6	−0.2	−0.20	+9.4	−1.8	+0.50	− 2.0	+ 0.8
August	−0.08	−0.1	0.0	+0.10	+1.4	+0.2	−0.82	− 3.6	− 0.2
September	+0.01	−0.9	+0.7	−0.54	+1.0	−3.4	+6.40	− 5.6	+12.4
October	−0.02	−0.3	+0.2	+0.12	+1.6	−1.6	+2.86	− 9.4	+ 5.4
November	−0.03	+0.5	−0.4	+0.02	+3.0	−1.8	−1.32	− 3.2	− 1.6
December	−0.02	+0.2	0.0	+0.10	+1.2	−1.2	+1.00	− 0.4	− 1.2
Year	..	..	..	−0.06	+3.2	−1.4	+0.96	− 1.6	+ 0.2

TABLE IX. - MEAN MONTHLY AND ANNUAL VALUES OF GEOMAGNETIC ELEMENTS

Month 1963	Declination West	Inclination	Horizontal Intensity	North Intensity	West Intensity	Vertical Intensity	Total Intensity
	° ′	° ′	c.g.s.	c.g.s.	c.g.s.	c.g.s.	c.g.s.
January	9 43.1	66 38.8	.18793	.18523	.03172	.43525	.47408
February	9 42.9	66 38.4	.18798	.18528	.03172	.43524	.47410
March	9 42.5	66 38.0	.18803	.18534	.03171	.43521	.47409
April	9 42.0	66 37.7	.18807	.18538	.03169	.43519	.47409
May	9 41.3	66 37.5	.18811	.18542	.03166	.43520	.47411
June	9 41.0	66 37.5	.18813	.18545	.03165	.43526	.47418
July	9 40.5	66 37.2	.18816	.18549	.03162	.43525	.47418
August	9 40.0	66 37.5	.18812	.18545	.03159	.43525	.47417
September	9 38.9	66 38.5	.18800	.18534	.03151	.43532	.47418
October	9 38.7	66 38.4	.18804	.18538	.03150	.43537	.47424
November	9 38.4	66 38.1	.18810	.18545	.03150	.43542	.47431
December	9 37.8	66 37.5	.18818	.18553	.03148	.43538	.47431
Year	9 40.6	66 37.9	.18807	.18540	.03161	.43528	.47417


HARTLAND 1963
Declination Base line Values
ADOPTED — OBSERVED PLUS 1' ---
9° WEST +
4'
3'
2'
1'
Horizontal Intensity Base line Values
ADOPTED — OBSERVED PLUS 10γ ---
18000γ +
650
640
630
620
Vertical Intensity Base line Values
ADOPTED — OBSERVED PLUS 10γ ---
43000γ +
380
370
360
350
340
330
320
I JAN I FEB I MAR I APR I MAY I JUN I JUL I AUG I SEP I OCT I NOV I DEC I

Results of Observations

1964

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
JANUARY	9° + Tabular Quantities																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	37.0	37.2	37.8	38.0	38.0	37.9	38.1	37.4	36.5	36.9	37.9	39.1	39.7	40.1	39.9	39.0	
2 **	37.6	38.1	38.8	42.0	39.6	44.2	38.9	38.0	37.1	38.2	46.1	41.8	40.3	41.5	41.5	39.0	
3 **	37.0	36.0	42.2	38.3	37.8	38.1	38.4	38.1	37.6	37.5	38.4	38.7	38.8	38.7	39.1	37.6	
4	36.1	35.7	39.3	39.2	36.0	37.8	38.5	38.6	37.8	37.8	38.9	38.5	39.3	38.1	38.2	34.2	
5	35.4	36.2	35.8	37.3	38.0	38.5	38.1	38.1	38.3	36.7	37.3	38.7	39.6	39.4	38.2	37.5	
6	35.8	36.7	37.8	38.1	36.8	37.0	37.3	37.6	37.3	37.1	37.9	38.6	39.3	39.7	38.9	38.3	
7	36.4	36.9	37.6	37.9	37.8	37.9	37.8	37.6	37.2	37.7	38.8	39.2	42.0	41.4	40.3	39.9	
8	35.3	36.5	37.0	37.2	37.5	37.5	37.4	37.2	36.9	36.6	37.5	38.1	39.5	40.2	39.6	39.6	
9	30.3	33.2	36.8	35.2	36.0	37.8	37.7	37.2	36.6	36.9	37.7	38.1	40.3	40.3	41.1	41.4	
10 **	33.7	38.2	35.6	37.7	37.5	40.5	41.3	38.4	36.7	36.4	37.5	39.0	40.3	40.8	40.9	38.5	
11	35.2	36.7	35.1	36.5	36.7	36.8	36.9	37.3	36.7	36.5	37.3	38.8	39.2	40.4	39.6	38.9	
12	34.4	34.6	36.3	37.4	37.3	37.1	36.9	36.9	36.7	37.1	38.0	38.7	39.7	39.9	39.4	38.4	
13	36.9	37.1	37.0	37.4	37.0	37.1	37.1	36.5	35.8	35.4	36.9	38.5	40.8	41.4	39.4	38.2	
14 *	36.8	37.7	37.9	38.0	37.9	37.4	37.2	36.4	35.8	35.7	37.4	38.9	40.2	40.5	39.6	38.0	
15 *	37.2	37.7	38.1	38.0	38.0	37.7	37.3	36.8	36.6	37.5	38.4	38.8	39.6	39.6	39.0	38.5	
16 **	36.2	35.8	35.4	37.2	38.2	38.5	37.7	36.4	36.1	36.4	39.7	42.6	41.1	40.1	41.4	43.9	
17	36.2	34.5	38.1	38.1	37.8	37.9	38.2	40.9	39.1	38.3	40.2	39.6	40.2	41.2	38.8	38.2	
18	36.1	37.2	38.5	37.2	37.5	37.5	37.3	37.3	36.5	36.3	37.2	38.2	39.4	39.8	39.7	38.8	
19	36.9	37.3	37.8	38.2	38.1	37.9	37.8	37.7	37.0	37.3	38.2	39.2	40.1	40.3	39.6	38.9	
20	33.8	34.7	37.2	38.5	38.4	37.8	37.7	37.2	37.0	36.8	37.0	38.5	39.2	40.2	40.0	39.2	
21 *	36.2	37.0	37.9	37.9	38.1	38.2	37.9	37.3	36.2	35.8	36.4	37.4	38.2	38.9	38.7	38.2	
22 *	36.9	37.5	38.2	37.0	37.4	37.2	37.0	37.4	36.7	36.3	36.4	37.6	39.0	39.9	39.1	38.0	
23	37.2	37.4	37.5	37.2	37.2	37.3	37.2	37.1	36.6	37.0	38.5	39.9	40.7	41.2	40.2	39.5	
24	35.2	35.9	36.1	37.4	36.2	36.0	37.0	37.2	37.2	37.3	38.5	40.4	41.1	43.6	40.6	40.0	
25	34.4	35.0	35.2	36.1	35.7	36.0	38.5	37.2	36.7	36.1	37.0	38.1	39.7	40.7	40.5	39.1	
26	35.3	35.6	38.0	36.4	37.0	37.1	37.1	36.7	36.5	36.1	37.1	38.1	39.4	41.6	41.3	40.6	
27 *	37.0	38.0	37.1	37.2	36.9	37.1	37.0	36.8	35.8	35.4	36.3	38.0	38.9	39.6	39.5	38.4	
28	37.2	37.2	37.4	37.2	37.7	37.8	37.6	37.8	37.6	36.6	37.6	38.5	39.8	41.3	40.2	38.7	
29	36.6	33.7	35.0	34.4	36.3	36.3	38.4	37.2	37.6	37.5	37.3	39.0	42.2	43.0	41.7	39.2	
30	36.7	37.3	37.7	37.8	37.1	37.5	37.2	37.0	37.3	37.4	37.7	38.3	40.1	40.7	39.7	39.1	
31 **	37.1	37.6	38.1	37.9	38.0	37.8	37.5	37.0	36.7	37.2	40.8	43.0	41.6	41.0	41.2	38.1	
Mean	35.9	36.5	37.4	37.5	37.4	37.8	37.7	37.4	36.9	36.8	38.1	39.0	40.0	40.5	39.9	38.9	
Mean *	36.8	37.6	37.8	37.6	37.7	37.5	37.3	36.9	36.2	36.1	37.0	38.1	39.2	39.7	39.2	38.2	
Mean **	36.3	37.1	38.0	38.6	38.2	39.8	38.8	37.6	36.8	37.1	40.5	41.0	40.4	40.4	40.8	39.4	
FEBRUARY	9° + Tabular Quantities																
1	35.7	35.7	37.9	38.1	38.4	37.5	37.3	37.0	36.7	36.9	37.3	38.2	39.9	40.7	39.4	38.4	
2	36.3	36.5	36.8	37.1	37.2	36.9	36.5	36.2	36.6	36.9	37.5	38.3	39.3	40.1	39.1	39.1	
3 *	36.7	37.0	37.3	37.4	37.5	37.2	37.0	36.9	36.4	36.6	37.4	37.6	38.3	39.3	38.6	38.4	
4	36.4	36.9	37.0	38.0	37.2	36.9	36.5	36.0	35.6	38.8	38.2	39.2	40.2	42.1	42.9	41.4	
5	35.7	35.8	35.8	36.2	34.5	35.4	36.0	36.0	36.1	35.9	37.0	39.5	40.5	40.5	40.2	40.1	
6 **	34.1	39.5	37.6	37.2	36.6	40.3	41.8	36.8	37.1	36.3	38.4	38.8	39.2	38.9	41.9	39.0	
7	36.2	36.2	36.3	39.6	36.4	35.9	36.5	36.4	36.8	36.4	36.6	38.5	39.8	41.6	40.9	39.7	
8 **	34.6	38.2	36.1	35.8	36.2	36.2	36.3	36.1	35.7	35.3	36.2	38.7	39.4	39.8	40.2	41.1	
9	26.8	32.2	34.1	36.5	38.0	37.5	37.2	36.9	36.3	36.5	37.4	38.2	39.9	41.0	41.5	40.4	
10	36.8	36.8	37.3	37.8	37.4	37.4	36.4	35.7	35.0	34.8	36.3	38.4	40.3	41.2	40.5	39.6	
11 *	35.3	36.7	37.1	37.5	37.2	37.0	36.9	36.7	36.2	35.7	35.8	38.0	39.3	40.1	39.7	38.7	
12	37.1	37.4	37.8	37.6	37.1	36.5	37.2	35.5	35.6	36.1	35.9	37.4	39.4	41.9	40.8	39.5	
13 **	35.5	37.8	40.5	44.6	39.3	35.9	40.1	40.3	38.1	36.5	38.3	40.5	41.6	44.2	43.3	42.4	
14	37.1	37.2	37.6	39.1	40.0	37.4	36.6	36.3	35.6	35.1	36.3	38.9	40.1	41.3	41.6	39.3	
15	34.9	36.3	37.0	37.7	37.7	37.4	37.3	36.7	37.0	36.5	37.1	38.6	40.6	41.7	41.3	40.5	
16 *	36.7	36.8	37.3	37.6	37.6	37.3	37.0	36.9	36.4	35.3	36.3	38.3	39.9	40.4	40.9	39.8	
17	36.0	36.5	37.6	38.0	37.5	37.4	37.2	36.8	36.3	35.3	36.2	38.5	40.9	42.5	42.5	41.0	
18 *	36.5	36.9	37.0	37.2	37.3	37.4	37.6	36.9	35.4	35.4	36.5	38.2	40.3	41.4	40.8	39.7	
19 *	36.3	36.5	36.6	36.7	36.3	36.5	36.8	36.8	36.4	35.8	36.2	37.5	39.0	39.8	40.1	39.3	
20	36.3	36.4	36.4	36.5	36.7	36.6	36.6	36.5	36.0	35.8	37.1	40.0	40.6	42.4	42.9	45.1	
21	27.6	30.8	32.1	33.1	36.0	37.1	36.3	36.7	36.2	35.8	36.9	39.1	40.0	40.8	41.8	41.3	
22	36.3	36.1	36.7	36.4	36.3	36.3	35.9	35.9	35.7	35.7	36.1	37.5	40.0	41.9	41.0	40.3	
23	35.6	36.3	36.4	36.5	36.5	36.4	36.3	36.0	34.9	34.6	35.4	37.2	38.9	39.9	40.3	40.0	
24	36.9	36.8	36.3	35.9	35.9	35.9	36.2	35.9	35.2	34.9	35.9	38.7	40.5	40.8	42.2	40.3	
25 **	37.1	37.3	37.7	36.1	35.8	36.4	36.3	36.3	35.6	35.3	37.1	39.0	40.7	41.7	41.4	40.5	
26 **	37.0	37.3	35.7	38.6	37.7	34.3	36.2	35.9	35.3	36.1	37.7	40.9	43.9	42.0	42.4	39.3	
27	33.0	38.0	36.2	36.1	36.0	36.0	35.7	35.2	34.2	34.3	36.3	39.4	41.3	42.1	41.6	39.7	
28	34.9	35.2	35.0	33.9	34.9	37.8	37.9	36.9	34.6	34.4	34.9	38.1	41.6	41.3	41.3	38.7	
29	35.9	36.4	37.5	38.6	36.9	36.0	35.9	35.7	34.5	34.3	35.1	36.9	39.3	40.2	39.9	38.9	
Mean	35.4	36.5	36.7	37.3	37.0	36.8	36.9	36.5	35.9	35.8	36.7	38.6	40.2	41.1	41.1	40.1	
Mean *	36.3	36.8	37.1	37.3	37.2	37.1	37.1	36.8	36.2	35.8	36.4	37.9	39.4	40.2	40.0	39.2	
Mean **	35.7	38.0	37.5	38.5	37.1	36.6	38.1	37.1	36.4	35.9	37.5	39.6	41.0	41.3	41.8	40.5	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						JANUARY
′	′	′	′	′	′	′	′	′	′	h m	′	h m	′	′	
39.4	39.6	39.0	38.6	37.3	37.1	37.0	37.1	38.2	13 24	40.8	09 11	36.4	4.4	1	
32.4	30.1	33.7	30.7	30.0	33.5	35.1	36.1	37.7	10 17	50.4†	19 28	25.9	24.5	2	**
34.8	31.7	36.8	34.3	35.2	35.1	35.2	37.0	37.2	02 53	43.5	17 10	27.6	15.9	3	**
37.5	37.0	32.8	36.0	35.1	33.8	34.5	34.7	36.9	02 44	44.2	18 23	29.3	14.9	4	
37.6	37.7	36.5	36.1	35.9	35.0	34.8	35.5	37.2	12 40	40.1	18 47	32.6	7.5	5	
38.3	38.2	38.0	37.6	36.9	35.9	36.4	36.4	37.6	13 45	40.0	21 25	35.0	5.0	6	
38.4	38.2	36.9	37.2	36.9	36.1	35.6	34.8	37.9	12 58	43.2	23 18	34.3	8.9	7	
39.7	39.4	40.1	36.3	37.9	37.4	35.0	35.2	37.7	18 35	40.6	19 48	31.9	8.7	8	
40.2	39.0	38.4	33.2	35.0	29.7	22.5	32.1	36.1	15 36	42.4	22 30	19.9	22.5	9	
38.3	38.1	37.5	36.7	36.3	32.9	36.7	36.0	37.7	05 54	43.4	21 37	31.0	12.4	10	**
38.1	37.9	37.0	37.2	34.5	36.1	36.5	36.4	37.2	13 36	41.0	00 19	33.2	7.8	11	
37.9	37.4	37.3	36.8	36.4	35.5	36.5	36.8	37.2	13 46	40.3	00 58	33.3	7.0	12	
37.7	37.7	37.6	37.1	36.7	36.0	36.6	35.5	37.4	13 15	41.9	23 11	34.6	7.3	13	
37.9	37.9	37.8	37.7	36.9	36.4	36.4	36.8	37.6	13 35	40.6	08 46	35.4	5.2	14	*
38.9	38.7	38.1	37.6	37.2	36.7	36.3	36.2	37.9	13 13	40.1	23 55	35.1	5.0	15	*
41.4	35.2	31.1	37.2	32.8	33.4	33.9	35.4	37.4	15 52	46.0	18 05	22.8	23.2	16	**
38.4	37.9	37.5	36.7	36.5	36.2	36.1	35.7	38.0	13 22	42.2	01 36	33.5	8.7	17	
38.3	37.7	34.6	35.9	36.8	36.2	36.2	36.3	37.4	14 06	40.1	18 44	31.1	9.0	18	
39.1	38.5	38.6	36.7	31.8	36.4	36.4	35.2	37.7	13 27	40.7	20 31	28.2	12.5	19	
38.6	38.4	38.0	37.7	37.1	36.2	35.9	36.1	37.6	13 45	40.7	00 57	31.7	9.0	20	
38.1	38.0	37.9	37.8	37.6	37.2	37.0	36.9	37.5	13 40	39.2	09 05	35.5	3.7	21	*
37.4	38.2	38.5	38.0	37.4	37.5	37.4	37.3	37.6	13 34	40.1	09 50	36.1	4.0	22	*
39.7	39.9	38.7	38.0	37.7	37.4	37.3	36.3	38.2	13 49	41.6	24 00	35.8	5.8	23	
38.7	38.3	39.1	37.9	37.4	35.9	35.9	33.2	37.8	13 53	45.3	23 59	30.1	15.2	24	
38.3	38.1	38.2	38.8	28.7	27.9	31.7	35.0	36.4	13 49	40.9	20 54	19.0	21.9	25	
39.1	38.4	36.6	34.1	36.8	36.1	34.9	35.9	37.3	13 45	42.4	19 06	32.1	10.3	26	
37.6	37.2	37.0	35.4	35.6	35.6	36.1	36.9	37.1	14 02	39.9	20 24	33.3	6.6	27	*
37.8	37.4	37.3	34.8	36.2	36.7	37.3	35.2	37.6	13 41	42.0	19 55	33.2	8.8	28	
37.3	37.7	36.5	36.1	34.9	34.5	35.3	36.2	37.2	12 54	45.0	01 37	31.3	13.7	29	
37.4	37.7	37.7	37.2	37.1	35.2	35.0	36.7	37.6	12 57	41.8	21 56	30.8	11.0	30	
38.1	35.0	25.0	36.0	34.1	35.0	32.7	34.1	37.1	12 20	43.9	17 59	17.6†	26.3	31	**
38.1	37.5	36.8	36.5	35.7	35.3	35.3	35.8	37.4	-	42.1	-	30.9	11.2	Mean	
38.0	38.0	37.9	37.3	36.9	36.7	36.6	36.8	37.6	-	40.0	-	35.1	4.9	Mean	*
37.0	34.0	32.8	35.0	33.7	34.0	34.7	35.7	37.4	-	45.4	-	25.0	20.5	Mean	**
									9° + Tabular Quantities						FEBRUARY
38.8	38.3	38.2	37.2	35.9	35.3	35.4	36.0	37.5	13 15	41.1	01 24	34.5	6.6	1	
37.1	37.7	37.8	37.2	36.7	36.4	36.2	36.4	37.3	13 30	40.7	00 27	34.5	6.2	2	
38.3	38.1	38.0	37.6	37.1	35.7	35.6	35.6	37.3	14 01	39.7	21 41	34.9	4.8	3	*
40.3	39.1	37.8	37.4	36.7	34.7	33.2	36.0	37.9	14 09	43.7	22 23	32.3	11.4	4	
39.7	40.5	39.7	38.8	38.4	27.9	23.9	30.0	36.4	17 21	41.2	21 46	21.8	19.4	5	
39.2	38.0	36.8	31.8	34.8	36.6	31.4	35.5	37.4	06 02	45.8	22 25	27.7	18.1	6	**
39.0	36.9	39.8	38.5	37.3	35.8	31.0	33.2	37.3	13 40	42.2	22 30	27.8	14.4	7	
41.1	42.4	40.3	36.2	35.0	30.8	21.3	23.9	36.1	18 11	44.3	22 41	10.3	34.0	8	**
38.4	34.0	35.5	36.5	35.9	34.9	35.5	37.1	36.6	13 47	43.1	00 00	24.5	18.6	9	
38.7	37.7	37.3	37.1	36.9	32.6	34.4	35.0	37.1	13 37	41.4	21 39	31.6	9.8	10	
37.6	37.3	36.9	36.7	36.5	36.5	35.8	35.8	37.1	13 28	40.2	00 54	35.2	5.0	11	*
38.5	35.6	36.0	37.0	36.5	35.5	34.1	35.4	37.1	13 36	43.2	17 54	32.0	11.2	12	
34.3	35.5	34.4	34.8	34.6	33.3	33.0	35.4	38.1	03 13	47.2†	21 26	30.3	16.9	13	**
38.4	37.4	34.7	36.5	36.2	35.7	34.6	32.8	37.3	04 05	42.3	23 43	31.7	10.6	14	
38.8	37.8	36.6	35.3	36.9	36.4	36.5	36.7	37.6	12 57	42.2	19 05	32.3	9.9	15	
38.8	38.1	37.5	37.1	35.0	35.3	35.3	35.8	37.4	14 20	41.2	20 09	34.3	6.9	16	*
39.3	38.3	33.8	32.8	36.0	36.9	36.7	36.6	37.5	13 37	43.4	19 19	31.7	11.7	17	
38.3	40.1	39.0	37.7	36.6	36.1	36.3	36.3	37.7	13 33	42.1	08 38	35.1	7.0	18	*
38.3	38.1	37.9	37.8	37.4	37.1	36.8	36.5	37.4	14 39	40.2	09 20	35.5	4.7	19	*
45.1	43.1	36.5	34.8	38.1	36.5	23.3	23.8	37.2	16 01	47.0	22 51	11.2	35.8	20	
39.5	35.3	34.3	37.3	36.2	36.3	36.3	36.3	36.4	14 49	42.2	00 25	24.9	17.3	21	
40.4	38.7	34.9	37.8	36.5	35.0	35.1	34.8	37.1	13 40	42.3	18 31	32.1	10.2	22	
38.9	37.4	33.8	37.4	37.0	36.0	36.4	36.8	36.9	13 54	40.6	18 11	31.8	8.8	23	
38.2	38.2	37.3	37.3	37.0	36.1	33.0	36.2	37.2	14 39	42.8	22 19	31.0	11.8	24	
38.8	37.9	34.6	22.1	31.9	33.7	36.4	36.9	36.5	13 40	42.6	19 18	7.2†	35.4	25	**
37.8	37.3	36.9	36.5	36.3	36.2	35.5	32.2	37.5	12 45	45.2	24 00	28.9	16.3	26	**
37.6	35.3	28.4	35.1	33.4	33.9	35.5	35.8	36.3	13 58	42.8	18 08	26.4	16.4	27	
37.5	36.4	37.0	36.6	36.4	36.2	36.2	36.2	36.8	12 27	44.2	03 41	32.5	11.7	28	
37.8	37.0	36.1	36.3	36.2	34.8	35.4	35.9	36.7	13 39	40.4	22 57	33.7	6.7	29	
38.8	37.8	36.5	36.0	36.2	35.1	33.8	34.7	37.1	-	42.6	-	28.9	13.7	Mean	
38.3	38.3	37.9	37.4	36.5	36.1	36.0	36.0	37.4	-	40.7	-	35.0	5.7	Mean	*
38.2	38.2	36.6	32.3	34.5	34.1	31.5	32.8	37.1	-	45.0	-	20.9	24.1	Mean	**

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MARCH	9° + Tabular Quantities																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
1	36.1	36.4	37.4	37.4	37.3	36.7	36.2	35.2	33.4	33.2	35.3	38.2	40.4	41.0	39.8	38.9	
2 *	36.3	36.6	36.9	37.1	37.0	36.7	36.2	35.4	34.3	33.7	34.7	37.0	40.3	41.5	40.8	39.3	
3	35.5	35.6	35.5	35.7	35.9	35.4	35.5	35.3	34.2	34.2	35.6	38.7	41.7	42.4	41.9	40.6	
4 **	35.4	34.3	29.8	25.3	32.0	34.5	33.0	32.9	32.7	35.4	39.6	39.7	43.8	43.5	40.5	41.3	
5 **	31.5	41.7	37.3	32.3	33.1	33.8	34.2	35.7	37.5	37.3	37.0	38.6	41.2	40.4	41.4	36.5	
6	35.3	34.2	34.6	36.8	34.6	34.6	34.7	34.4	34.4	34.7	36.8	38.4	41.5	41.8	41.2	39.9	
7	36.3	36.2	33.4	34.6	35.3	35.0	35.1	35.0	35.1	35.4	37.4	39.3	40.6	42.0	40.9	39.4	
8	31.6	33.0	37.8	33.2	33.0	33.4	35.1	36.1	37.2	39.4	40.4	43.1	43.3	42.5	40.8	39.3	
9	34.8	34.4	34.5	35.2	35.8	32.4	33.8	34.8	36.3	37.1	38.8	39.8	40.1	39.5	38.5	37.4	
10	36.4	36.3	35.9	35.6	35.4	35.4	35.4	35.6	35.5	35.6	37.1	39.3	40.6	39.8	38.1	36.8	
11	36.5	36.5	35.9	36.1	35.8	34.6	35.5	36.8	36.6	37.3	40.4	39.6	41.6	42.2	40.5	39.8	
12	36.9	36.6	35.9	38.8	32.8	33.1	33.0	34.5	34.6	35.1	36.2	38.1	40.9	41.5	41.3	39.9	
13	36.6	37.2	37.2	38.3	35.5	35.0	35.0	34.4	33.7	33.8	35.6	38.0	41.6	42.8	41.9	40.1	
14	36.6	37.2	36.4	35.4	36.0	36.0	35.1	33.6	33.9	34.7	37.3	40.3	43.3	42.9	42.3	39.3	
15	36.2	37.0	38.2	37.3	36.0	35.7	35.4	34.1	33.0	33.6	36.1	39.2	42.0	42.6	42.3	40.6	
16	34.5	33.5	36.3	37.4	36.4	35.7	35.3	34.4	33.9	34.5	37.6	41.3	43.4	43.2	42.7	41.5	
17	35.9	35.3	36.0	37.1	37.1	36.4	36.3	36.4	36.3	35.6	36.3	37.8	38.9	39.7	40.3	38.9	
18 *	35.8	35.8	36.1	36.3	36.4	36.4	36.2	35.3	33.7	33.8	35.0	36.9	39.4	40.7	40.9	39.9	
19 *	35.8	35.9	36.2	36.3	36.6	36.9	36.6	35.8	33.7	32.9	34.6	37.5	39.5	40.5	40.6	40.2	
20	35.8	35.8	35.8	36.0	36.1	36.5	36.1	35.6	34.7	34.8	37.2	39.8	42.5	43.1	42.6	42.3	
21	36.1	33.5	30.9	31.5	31.3	33.3	34.1	34.0	33.2	33.0	35.1	38.0	39.8	40.5	40.0	39.1	
22 **	35.6	35.9	36.0	36.1	35.6	35.5	35.6	34.9	34.2	35.2	36.8	38.5	41.0	43.3	44.5	43.4	
23 **	32.2	34.1	35.4	35.3	40.0	36.5	36.2	35.3	34.3	35.6	36.8	38.8	39.9	40.8	40.4	39.5	
24	36.3	36.6	36.3	37.8	36.1	37.9	36.3	35.8	36.2	37.4	36.6	39.5	41.6	40.5	40.3	34.8	
25	35.5	36.0	38.6	35.3	35.5	35.5	35.2	34.9	34.1	35.3	37.9	41.2	42.8	42.2	(39.1)	(37.9)	
26	36.8	37.0	37.0	36.3	36.1	33.7	33.6	32.2	32.2	(34.4)	37.8	39.8	42.0	41.3	40.3	37.8	
27	36.0	36.6	36.2	36.1	36.0	35.6	35.2	34.4	33.6	34.4	36.9	38.9	40.1	39.8	39.1	37.6	
28 *	36.3	36.2	36.3	36.2	36.0	35.6	34.6	32.9	31.8	33.0	34.8	37.3	39.7	40.9	40.6	39.7	
29	36.3	36.4	36.3	36.3	36.0	35.7	34.8	32.8	31.0	31.3	33.8	36.9	41.3	44.1	43.8	41.5	
30 **	36.4	36.4	35.5	35.8	40.4	35.5	34.8	36.6	35.4	35.6	38.1	40.8	44.6	43.8	45.0	44.6	
31 *	35.7	35.7	35.7	35.7	35.5	34.8	33.3	32.2	32.1	34.0	37.3	39.9	41.8	41.7	40.3	38.1	
Mean	35.6	35.9	35.8	35.6	35.7	35.3	35.1	34.8	34.3	34.9	36.8	39.0	41.3	41.7	41.1	39.5	
Mean *	36.0	36.0	36.2	36.3	36.3	36.1	35.4	34.3	33.1	33.5	35.3	37.7	40.1	41.1	40.6	39.4	
Mean **	34.2	36.5	34.8	33.0	36.2	35.2	34.8	35.1	34.8	35.8	37.7	39.3	42.1	42.4	42.4	41.1	
APRIL	9° + Tabular Quantities																
1 **	35.9	35.7	35.7	35.8	35.8	35.5	34.9	33.7	33.6	35.3	38.3	41.3	42.8	43.4	45.6	44.9	
2 **	32.2	33.5	38.3	35.0	33.3	34.9	33.4	33.0	32.6	33.3	34.9	37.9	41.5	43.5	42.9	40.4	
3	34.9	33.4	35.3	35.4	36.2	33.0	32.6	31.4	31.3	32.7	36.4	39.2	42.0	43.3	42.2	40.8	
4	35.1	31.8	34.4	35.9	34.8	36.0	34.1	32.4	32.6	34.9	36.7	40.0	43.4	44.3	41.7	39.4	
5	33.8	33.4	33.8	34.6	37.0	35.9	33.6	32.1	32.5	35.5	39.4	42.8	44.5	44.6	43.1	40.6	
6	34.4	35.3	35.3	34.9	36.0	35.1	33.3	31.4	31.5	33.4	36.3	38.6	40.8	41.5	40.6	39.1	
7	35.7	34.6	34.8	34.5	34.1	34.4	33.1	32.3	33.4	34.8	37.6	40.4	42.2	44.6	44.4	41.9	
8	36.9	35.7	34.9	35.0	34.9	34.5	33.3	32.4	32.3	34.6	38.2	41.4	41.6	42.3	42.1	40.0	
9	37.6	36.9	36.5	33.5	34.4	35.5	34.5	33.9	33.5	35.8	38.4	40.9	42.1	43.1	42.8	39.6	
10	36.7	36.7	36.1	35.6	35.3	34.7	34.1	33.3	33.3	33.8	36.6	39.5	41.8	43.2	42.0	39.4	
11	36.6	36.4	36.2	35.5	35.4	34.9	34.4	33.3	32.4	34.7	40.0	43.2	45.5	45.5	43.1	40.7	
12 *	36.3	36.5	36.3	35.7	35.2	34.3	33.4	32.2	32.3	34.8	38.0	40.2	41.3	41.0	40.3	38.6	
13	36.4	36.5	36.2	35.4	35.0	34.2	33.1	31.5	31.1	32.2	35.0	38.2	40.7	42.4	41.5	39.7	
14 *	36.1	35.9	36.0	35.7	35.4	34.9	33.9	32.5	31.3	32.3	35.7	40.3	44.3	45.5	44.1	41.0	
15	35.9	36.2	35.9	35.5	35.4	35.0	34.2	32.5	31.7	32.5	36.8	41.5	46.0	46.6	45.0	42.7	
16	31.4	33.4	34.3	34.6	33.1	32.4	32.3	32.3	32.9	33.0	35.7	39.5	42.5	43.3	41.8	40.3	
17	35.3	35.6	34.3	28.9	29.1	32.6	37.2	36.6	35.4	34.5	36.6	38.7	41.0	42.2	43.4	42.1	
18	35.5	35.3	34.8	34.5	34.5	34.6	34.0	33.2	33.8	33.8	35.6	39.1	41.9	43.9	43.8	45.2	
19 **	35.5	37.2	37.0	34.7	36.4	35.1	34.0	33.0	32.9	34.2	35.7	38.5	40.9	41.4	40.1	38.5	
20	35.4	36.4	36.7	35.0	34.6	34.2	33.5	33.8	34.5	35.1	35.9	38.0	40.1	40.6	39.4	38.2	
21	29.6	33.9	36.3	35.4	34.1	33.5	32.9	32.4	33.0	34.8	37.0	38.8	40.5	41.5	40.1	38.5	
22 *	36.1	35.7	35.7	35.3	34.8	34.5	33.8	33.3	32.2	32.6	34.5	36.6	38.5	39.6	39.0	37.8	
23 *	36.1	35.8	36.3	35.2	35.5	34.8	33.8	32.4	32.1	32.9	36.1	38.9	40.9	41.0	39.7	38.6	
24 *	36.3	35.8	35.5	35.2	34.8	34.0	32.7	31.4	30.6	31.5	34.7	38.4	40.2	41.5	41.3	40.3	
25	35.7	34.5	34.3	35.2	34.4	32.9	32.8	32.3	31.8	34.0	37.9	40.6	42.6	43.1	42.2	40.6	
26	33.8	33.5	31.1	30.1	29.5	33.1	29.5	28.9	31.0	33.0	36.8	39.3	40.8	41.2	40.2	39.1	
27 **	35.2	34.6	34.3	30.9	33.0	31.7	31.6	33.5	33.0	34.2	37.0	38.6	42.0	42.8	44.4	44.3	
28 **	29.4	37.6	25.7	27.5	31.5	32.0	32.2	33.3	33.0	35.7	36.7	40.7	41.5	40.0	41.6	40.4	
29	31.4	37.5	33.6	33.3	31.6	32.6	32.3	31.3	30.6	32.0	35.1	38.1	38.9	40.2	39.7	39.5	
30	35.6	35.7	35.6	35.6	35.5	35.2	34.4	33.0	32.1	33.1	35.7	37.8	40.3	40.9	41.2	40.5	
Mean	34.9	35.4	35.0	34.3	34.4	34.2	33.4	32.6	32.5	33.8	36.6	39.6	41.8	42.6	42.0	40.4	
Mean *	36.2	35.9	36.0	35.4	35.1	34.5	33.5	32.4	31.7	32.8	35.8	38.9	41.0	41.7	40.9	39.3	
Mean **	33.6	35.8	34.2	32.8	34.0	33.8	33.2	33.3	33.0	34.5	36.5	39.4	41.7	42.2	42.9	41.7	

* International Quiet Day. ** International Disturbed Day.

Normal Run Breakdown. Figures in brackets supplied from Wide Range Record.

AND EXTREME VALUES RECORDED EACH DAY

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						MARCH
′	′	′	′	′	′	′	′		′	h m	′	h m	′	′	
37.6	37.5	37.2	36.6	35.7	36.0	35.8	36.0		36.9	12 50	41.3	08 57	32.4	8.9	1
37.9	37.4	37.4	37.1	36.7	36.3	36.3	35.9		37.0	13 15	41.7	09 21	33.5	8.2	2 *
39.5	38.6	38.8	38.7	37.6	31.6	30.6	34.1		36.8	13 31	43.0	21 50	22.2	20.8	3
33.9	25.6	26.0	33.2	30.4	34.5	30.2	27.8		34.0	13 24	45.9	17 45	12.4†	33.5	4 **
39.3	37.6	27.5	29.8	23.6	28.5	32.0	35.9		35.2	01 07	44.7	20 31	19.0	25.7	5 **
36.8	37.2	35.0	36.8	35.4	36.1	36.0	36.4		36.6	14 05	44.1	18 05	31.7	12.4	6
39.4	38.7	36.6	33.4	34.0	36.5	36.3	34.3		36.7	13 36	43.2	19 02	29.9	13.3	7
37.8	37.6	38.0	37.3	34.5	36.3	37.6	34.9		37.2	11 49	44.3	00 37	30.5	13.8	8
35.9	36.4	37.1	37.0	36.8	36.8	36.9	36.6		36.5	11 49	41.2	05 14	32.0	9.2	9
36.4	35.8	37.2	34.2	34.3	35.7	36.3	37.1		36.5	12 31	41.2	19 52	31.3	9.9	10
38.6	37.9	37.4	36.7	35.8	36.2	36.7	36.8		37.6	12 54	43.0	05 38	34.1	8.9	11
36.3	36.9	36.1	35.3	35.6	36.0	36.0	36.0		36.6	14 04	42.7	04 36	31.3	11.4	12
38.3	37.0	37.1	36.1	35.0	33.9	33.6	35.9		36.8	13 13	43.2	08 54	33.0	10.2	13
37.1	35.6	32.0	32.8	30.6	32.9	34.9	35.5		36.3	12 14	44.2	18 49	28.7	15.5	14
38.2	37.8	35.1	31.6	34.4	34.3	34.8	33.4		36.6	13 42	43.1	19 26	30.4	12.7	15
39.6	39.1	38.7	38.5	38.1	37.1	36.3	35.8		37.7	12 12	43.8	01 42	32.4	11.4	16
38.2	37.4	37.3	36.7	36.3	36.1	35.8	35.8		37.0	14 08	40.8	01 41	34.6	6.2	17
38.5	37.6	37.5	36.4	36.7	36.5	36.2	35.8		36.8	14 30	41.3	08 38	32.7	8.6	18 *
39.2	38.5	37.9	37.4	37.0	36.1	36.1	36.1		37.0	15 06	40.9	09 21	32.4	8.5	19 *
40.7	40.3	39.0	32.1	35.1	37.1	36.8	36.2		37.6	13 26	43.8	19 27	29.3	14.5	20
38.0	38.3	39.1	39.9	39.5	37.9	36.4	35.9		36.2	13 01	41.4	04 26	30.6	10.8	21
42.3	40.3	36.5	26.4	28.3	32.3	24.1	30.6		36.0	14 21	46.2	19 58	17.9	28.3	22 **
35.1	34.9	34.2	31.2	35.3	36.7	36.3	35.8		36.3	04 25	42.5	19 01	26.2	16.3	23 **
36.1	33.4	36.2	37.0	37.6	37.5	37.2	36.6		37.2	11 58	42.5	17 40	28.2	14.3	24
(36.3)	(34.5)	35.3	(33.3)	(34.0)	35.3	36.9	35.9		36.6	12 36	43.6	17 30	32.3	11.3	25
36.3	35.6	36.2	36.5	36.4	36.4	36.4	36.3		36.6	12 39	42.7	07 46	31.4	11.3	26
36.4	36.4	36.7	36.5	36.2	36.3	36.2	36.3		36.6	13 04	40.3	08 47	33.2	7.1	27
38.5	37.5	37.2	36.5	36.4	36.3	36.3	36.3		36.5	13 46	41.3	08 05	31.4	9.9	28 *
39.3	38.0	37.1	36.8	35.9	36.4	36.2	36.2		36.8	14 12	44.9	08 52	30.7	14.2	29
43.2	33.6	37.5	37.0	36.4	34.5	35.7	35.8		38.0	13 04	46.7†	17 25	27.9	18.8	30 **
37.1	36.6	35.3	36.8	36.5	35.9	35.7	35.8		36.4	12 35	42.3	08 25	31.3	11.0	31 *
38.0	36.8	36.1	35.3	35.0	35.5	35.2	35.4		36.7	-	43.0	-	29.5	13.4	Mean
38.2	37.5	37.1	36.8	36.7	36.2	36.1	36.0		36.8	-	41.5	-	32.3	9.2	Mean *
38.8	34.4	34.3	31.5	30.8	33.3	31.7	33.2		36.0	-	45.2	-	20.7	24.5	Mean **
									9° + Tabular Quantities						APRIL
45.4	38.7	31.3	34.3	24.8	24.7	28.0	25.4		35.9	17 18	51.7†	23 35	8.1†	43.6	1 **
37.1	30.8	35.6	33.6	33.6	32.0	32.6	33.3		35.4	13 50	44.3	20 40	24.4	19.9	2 **
39.4	34.0	35.8	37.1	35.1	35.4	36.4	34.3		36.2	13 50	44.2	08 08	30.4	13.8	3
38.5	37.9	37.0	36.9	36.6	34.0	33.4	34.3		36.5	13 23	44.7	01 33	30.4	14.3	4
37.7	36.7	36.5	36.5	34.9	37.8	35.7	31.2		36.8	13 02	45.5	23 30	30.0	15.5	5
37.6	37.0	36.8	37.0	37.0	36.9	37.0	38.8		36.5	13 06	41.7	07 49	31.0	10.7	6
40.6	39.3	39.5	37.5	33.9	36.4	36.2	35.3		37.1	13 57	45.3	07 46	31.8	13.5	7
38.4	37.5	37.2	36.4	32.3	33.4	36.3	36.4		36.6	13 53	42.7	20 53	29.3	13.4	8
37.7	36.1	35.7	35.9	36.2	36.4	36.7	36.7		37.1	13 59	43.6	03 56	32.1	11.5	9
37.4	36.6	36.4	36.8	36.7	36.4	36.5	37.2		36.9	13 39	43.4	07 36	33.0	10.4	10
37.9	35.5	34.3	31.7	34.9	35.1	35.4	36.3		37.0	13 01	47.5	19 33	29.6	17.9	11
37.6	37.3	37.6	37.5	37.3	37.0	36.6	36.4		36.8	12 27	41.6	08 12	31.1	10.5	12 *
38.4	37.4	37.8	37.3	36.9	36.4	36.4	35.9		36.5	13 30	42.7	09 02	28.4	14.3	13
39.1	37.4	36.8	36.5	36.1	35.7	35.7	36.0		37.0	13 34	46.1	09 01	30.8	15.3	14 *
39.7	36.9	37.1	37.1	36.3	35.2	34.7	30.5		37.1	13 19	48.3	23 35	29.2	19.1	15
39.6	38.4	36.6	37.0	36.7	36.5	36.4	35.3		36.2	13 39	43.7	00 29	30.6	13.1	16
40.1	39.5	37.7	37.4	34.1	34.3	35.5	35.8		36.6	14 07	43.5	04 32	27.2	16.3	17
38.5	40.5	39.2	35.3	35.6	35.4	33.4	33.7		36.9	13 48	47.4	22 55	29.1	18.3	18
37.9	37.0	36.7	37.0	34.3	29.4	32.7	35.5		36.1	12 46	42.5	21 17	25.0	17.5	19 **
35.6	36.5	34.7	36.4	36.1	35.6	36.6	31.1		36.0	13 02	41.1	23 49	28.4	12.7	20
36.8	35.7	35.5	35.8	33.8	33.4	35.5	36.2		35.6	13 26	41.8	00 19	28.6	13.2	21
37.4	37.5	36.9	37.0	36.5	36.3	36.1	36.0		36.0	13 19	39.8	08 43	32.0	7.8	22 *
37.9	37.1	36.6	36.5	36.5	35.8	36.4	36.5		36.4	13 01	41.4	09 00	31.7	9.7	23 *
38.7	38.0	37.1	36.7	36.7	36.8	36.5	36.4		36.3	13 49	41.9	08 33	30.5	11.4	24 *
40.0	38.9	37.5	35.6	34.4	34.7	31.9	35.5		36.4	13 30	43.9	08 20	31.4	12.5	25
38.5	37.4	36.9	35.0	35.9	36.1	35.5	36.6		35.1	13 31	41.6	04 30	28.2	13.4	26
43.0	42.1	40.2	35.2	28.4	28.9	29.7	24.4		35.5	15 14	46.5	23 53	22.6	23.9	27 **
38.6	37.6	36.7	33.1	34.8	35.0	34.4	35.7		35.2	11 55	43.5	02 18	24.1	19.4	28 **
38.7	38.3	34.1	35.4	35.7	35.4	35.4	35.5		35.3	01 41	41.5	18 32	28.6	12.9	29
40.5	39.2	38.4	36.8	32.6	26.2	27.1	26.1		35.4	14 20	41.4	22 01	20.9	20.5	30
38.8	37.4	36.7	36.1	34.8	34.4	34.7	34.3		36.3	-	43.8	-	28.3	15.5	Mean
38.1	37.5	37.0	36.8	36.6	36.3	36.3	36.3		36.5	-	42.2	-	31.2	10.9	Mean *
40.4	37.2	36.1	34.6	31.2	30.0	31.5	30.9		35.6	-	45.7	-	20.8	24.9	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

Normal Run Breakdown. Figures in brackets supplied from Wide Range Record.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MAY						9° + Tabular Quantities											
1 **	29.1	31.4	30.4	33.3	32.9	33.1	33.0	32.4	33.0	33.3	35.8	37.9	40.6	40.8	41.6	40.2	
2	34.2	34.6	35.5	36.0	34.6	33.5	33.5	36.8	36.2	36.3	37.7	39.4	40.9	41.2	39.8	37.6	
3	33.7	33.2	33.0	32.1	33.5	32.9	32.4	31.7	32.4	34.7	37.4	38.8	39.9	40.5	39.1	38.0	
4	35.0	35.4	35.4	34.4	34.4	34.0	33.5	32.6	32.6	33.6	35.8	37.2	38.9	39.5	38.5	37.7	
5	36.1	34.9	33.7	33.9	33.9	33.3	34.1	34.0	33.3	34.7	37.8	39.7	40.4	38.5	38.1	37.1	
6	35.9	35.5	34.9	34.5	33.9	33.1	32.4	32.9	33.8	35.0	35.8	36.2	36.7	37.0	37.3	37.7	
7 *	35.8	35.7	35.5	35.5	35.1	33.2	32.8	33.1	34.0	35.5	37.3	39.0	38.9	39.2	38.3	37.2	
8 *	36.0	35.6	35.2	34.8	34.2	33.2	32.9	33.2	33.4	34.2	36.3	38.4	39.3	39.5	38.3	36.5	
9 *	36.0	35.7	34.9	34.6	33.5	32.9	32.6	32.7	33.4	35.0	37.2	38.6	39.7	40.5	39.8	38.5	
10	36.1	35.3	35.5	34.2	33.4	31.2	30.5	30.6	32.4	34.4	36.8	39.5	41.6	42.2	41.7	42.1	
11	16.3	21.8	23.6	31.0	26.4	28.4	28.9	29.5	32.4	34.4	37.3	38.6	39.0	39.4	39.5	39.0	
12 *	35.1	35.6	35.0	35.0	34.6	33.2	32.5	32.0	32.6	34.5	36.3	38.7	40.6	41.1	39.8	38.3	
13	35.5	35.4	35.4	35.1	34.3	33.0	32.1	31.0	31.5	32.4	35.6	38.5	41.0	42.6	43.8	43.6	
14 **	34.2	34.5	34.5	34.2	32.8	30.7	29.6	29.6	31.0	34.2	36.4	38.4	42.0	43.2	45.2	40.5	
15 **	34.5	35.5	35.4	37.2	41.6	33.0	34.3	31.4	32.5	34.3	35.6	38.2	39.7	40.3	40.7	38.6	
16	37.1	31.3	33.7	33.7	33.4	32.6	31.7	31.8	33.2	34.6	35.9	37.8	40.5	39.9	39.5	38.6	
17	35.0	35.3	35.0	34.3	33.5	32.4	31.7	31.8	32.4	33.1	35.6	39.2	41.6	41.1	40.4	38.4	
18	35.0	34.6	34.4	34.3	33.8	33.0	32.5	31.9	32.3	33.8	36.0	37.6	38.6	38.7	38.7	38.1	
19	35.0	34.8	34.4	34.9	34.9	33.4	32.4	31.8	32.4	33.8	35.7	38.4	40.1	39.9	39.3	38.1	
20 *	35.0	34.9	34.9	34.4	33.2	31.5	30.2	29.9	31.4	33.6	36.9	38.1	38.5	38.4	38.3	37.1	
21	35.5	35.3	35.1	34.6	33.9	32.4	31.6	32.0	32.8	34.3	37.3	40.1	41.5	41.4	39.6	38.1	
22	35.3	34.8	34.7	33.9	32.6	30.4	29.4	31.0	32.5	33.8	37.0	38.8	40.6	41.3	39.1	37.7	
23	34.5	34.7	34.2	34.4	34.0	31.4	30.9	30.7	30.6	32.8	36.3	38.8	40.5	41.4	41.1	39.3	
24 **	31.3	27.2	28.9	28.5	27.0	24.3	26.1	28.0	31.1	34.3	38.3	41.8	44.2	44.4	41.7	42.0	
25 **	33.3	34.5	34.7	34.0	33.0	31.4	31.4	30.5	31.0	36.1	38.6	38.9	41.1	41.8	42.6	38.5	
26	36.1	34.8	35.0	34.3	33.2	31.4	30.6	30.7	31.6	34.2	36.7	38.4	40.8	41.3	40.4	39.4	
27	35.2	34.7	32.4	31.9	31.4	29.7	32.4	34.7	32.9	34.5	37.8	39.0	40.0	40.3	38.6	38.3	
28	34.8	34.8	35.7	36.0	34.9	32.5	31.6	32.0	33.0	35.4	38.4	39.5	40.6	40.3	40.4	40.1	
29	34.7	34.7	35.1	36.3	35.4	32.0	31.2	31.5	30.5	31.4	33.0	34.7	36.7	38.7	39.0	38.6	
30	33.4	33.4	34.2	33.6	32.9	32.0	31.7	31.5	31.3	32.3	34.2	37.6	39.7	42.3	40.9	39.8	
31	34.7	35.3	35.4	35.9	34.5	32.2	31.2	31.4	32.1	33.5	35.5	37.6	39.6	40.4	40.4	39.6	
Mean	34.2	34.0	34.1	34.2	33.6	32.0	31.7	31.8	32.4	34.1	36.5	38.5	40.1	40.6	40.0	38.8	
Mean *	35.6	35.5	35.1	34.9	34.1	32.8	32.2	32.2	33.0	34.6	36.8	38.6	39.4	39.7	38.9	37.5	
Mean **	32.5	32.6	32.8	33.4	33.5	30.5	30.9	30.4	31.7	34.4	36.9	39.0	41.5	42.1	42.4	40.0	
JUNE						9° + Tabular Quantities											
1	35.4	35.1	34.4	34.0	32.7	31.9	30.2	30.4	31.4	32.6	35.4	37.3	39.9	40.5	40.6	40.2	
2	35.1	34.8	34.6	34.6	33.6	32.5	31.0	31.1	31.7	33.4	35.4	35.9	37.4	37.9	38.2	38.4	
3 *	35.4	34.9	34.7	34.8	34.6	32.9	31.8	31.6	31.9	32.9	35.9	39.4	40.3	39.8	38.7	37.4	
4	35.3	34.8	35.2	34.6	33.7	31.9	30.4	30.5	31.7	33.5	35.3	38.2	40.2	40.3	40.1	38.8	
5 *	35.6	35.6	35.6	35.2	34.0	32.9	32.3	32.5	33.3	34.9	37.5	39.7	39.8	39.8	39.0	37.9	
6 *	35.7	35.5	34.8	35.0	33.3	30.8	29.8	30.6	31.4	34.1	37.6	39.7	41.3	41.2	38.8	36.6	
7	35.9	35.3	34.8	34.4	33.6	31.9	31.1	30.7	31.6	33.7	37.2	39.6	40.7	40.6	39.3	38.1	
8	34.0	33.1	33.0	33.4	32.6	32.2	30.7	31.1	34.3	36.4	37.9	39.7	40.8	40.3	40.3	40.3	
9	34.9	33.9	33.6	32.7	32.2	30.0	29.7	30.6	32.8	34.9	37.2	39.6	42.0	43.0	44.2	43.2	
10 **	36.6	36.6	36.2	38.9	35.8	39.5	34.4	35.6	32.2	33.5	38.1	38.4	40.2	41.6	41.2	39.5	
11 **	31.6	32.4	34.0	31.5	31.6	30.8	30.0	30.5	31.3	32.4	36.4	37.5	39.9	41.2	41.2	39.4	
12 **	34.8	35.8	37.7	34.9	33.6	33.3	31.4	30.4	29.5	29.8	32.6	35.6	38.7	41.4	42.4	42.1	
13	36.1	36.1	35.2	35.3	36.4	33.4	32.2	32.0	30.6	31.7	34.5	37.6	40.0	40.4	40.6	40.1	
14	33.7	33.5	34.1	34.7	35.6	35.2	32.9	31.4	31.3	32.5	34.7	36.4	37.7	38.1	39.0	38.6	
15	34.4	32.5	33.5	34.7	32.7	31.6	31.5	31.9	32.3	33.3	34.4	35.7	37.7	38.6	39.0	39.3	
16 *	35.5	35.7	34.9	34.3	32.9	32.3	32.2	32.9	33.5	34.0	34.0	35.2	37.0	38.4	38.7	37.7	
17	35.1	34.6	34.5	34.4	33.2	32.2	32.1	32.3	32.7	33.2	34.3	35.8	37.7	38.0	38.5	37.9	
18	34.9	35.0	34.2	33.9	32.9	31.9	30.7	31.2	31.4	32.9	34.3	37.4	40.7	42.3	41.4	40.4	
19	34.5	33.6	33.4	33.2	32.9	31.7	31.5	31.9	31.9	32.7	34.9	38.3	41.4	41.9	41.5	39.9	
20 **	30.5	29.0	28.7	29.7	28.7	28.4	28.7	29.6	31.2	32.3	33.4	35.8	39.0	40.7	40.6	40.7	
21 **	34.3	31.4	31.2	31.7	30.9	30.2	29.6	29.7	30.6	32.6	34.9	36.7	38.8	40.6	40.8	39.4	
22	35.0	34.7	34.6	34.4	33.6	32.4	31.9	31.9	31.5	31.9	34.3	37.1	39.0	40.4	40.9	39.6	
23	33.7	34.3	34.9	34.0	33.2	31.6	30.0	30.1	32.4	33.7	35.9	37.7	39.3	40.4	40.6	38.6	
24	34.0	33.9	34.1	34.0	32.8	31.4	30.4	29.7	30.3	31.4	34.5	37.2	39.4	40.0	40.0	39.0	
25	35.9	34.7	33.4	33.4	32.4	28.7	29.9	32.9	33.2	34.5	34.4	35.6	37.3	40.0	40.1	38.5	
26	34.5	34.8	35.1	33.7	32.6	31.3	29.5	29.5	30.4	32.9	35.7	39.1	40.5	41.5	42.0	40.5	
27	34.7	34.6	34.4	34.1	32.9	31.9	31.9	32.0	32.2	33.4	35.4	37.6	40.3	41.5	41.7	40.4	
28	34.7	34.7	34.5	34.3	34.2	32.6	31.4	31.0	31.5	32.4	34.9	37.5	37.6	37.4	39.0	39.4	
29	35.3	35.0	34.4	34.2	33.9	31.8	31.3	32.3	32.6	33.6	35.7	37.0	38.0	38.7	40.2	39.6	
30 *	34.6	34.4	34.8	34.2	33.3	31.9	30.7	30.6	30.6	31.8	34.0	36.5	38.4	39.0	38.6	39.0	
Mean	34.7	34.3	34.3	34.1	33.2	32.0	31.0	31.3	31.8	33.1	35.4	37.5	39.4	40.2	40.2	39.4	
Mean *	35.4	35.2	35.0	34.7	33.6	32.2	31.4	31.6	32.1	33.5	35.8	38.1	39.4	39.6	38.8	37.7	
Mean **	33.6	33.0	33.6	33.3	32.1	32.4	30.8	31.2	31.0	32.1	35.1	36.8	39.3	41.1	41.2	40.2	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									9° + Tabular Quantities						MAY
′	′	′	′	′	′	′	′	′	′	h m	′	h m	′	′	
37.3	37.0	37.5	37.1	36.2	35.7	35.6	34.1	35.4		14 32	42.3	00 34	26.0	16.3	1 **
37.3	36.6	36.4	36.0	35.5	33.5	33.0	35.6	36.3		12 55	41.7	21 47	32.0	9.7	2
37.5	37.1	36.2	35.4	35.9	35.8	34.9	34.9	35.5		13 14	40.8	07 14	31.4	9.4	3
37.0	36.5	36.4	36.3	37.2	36.8	36.1	35.2	35.8		13 00	39.9	08 29	32.2	7.7	4
35.9	36.0	36.0	36.0	36.4	36.3	36.3	36.2	35.9		12 30	41.2	03 31	32.5	8.7	5
37.8	37.6	36.6	36.5	36.5	36.5	36.4	35.7	35.7		15 32	38.0	06 33	31.9	6.1	6
36.9	36.7	36.8	36.5	36.5	36.4	36.3	36.2	36.2		11 45	39.5	06 26	32.3	7.2	7 *
36.5	37.0	37.2	37.1	36.7	36.7	36.5	36.3	36.0		13 03	39.6	06 46	32.6	7.0	8 *
37.6	37.6	37.5	37.0	36.7	36.5	36.3	36.0	36.3		13 28	40.7	06 56	32.2	8.5	9 *
41.3	40.3	37.3	31.8	28.4	25.7	21.7	22.0	34.4		15 52	43.6	22 58	18.7	24.9	10
38.4	37.3	36.3	35.5	35.5	35.1	35.2	34.7	33.1		13 56	39.6	00 34	11.5†	28.1	11
36.7	35.6	35.3	35.3	35.2	35.5	35.3	35.6	35.8		13 13	41.4	07 43	31.5	9.9	12 *
41.5	41.5	38.6	34.0	30.7	31.6	33.3	34.6	36.1		14 43	44.7	21 02	26.9	17.8	13
40.0	39.8	38.6	37.7	37.0	36.0	35.5	35.3	36.3		14 35	47.2	07 41	28.3	18.9	14 **
37.5	38.0	37.8	37.0	35.5	35.4	34.0	33.1	36.3		04 05	47.8†	07 18	30.2	17.6	15 **
37.8	37.7	37.2	32.7	33.0	36.8	36.3	35.4	35.5		12 43	41.7	19 43	27.3	14.4	16
37.5	36.5	36.1	36.5	35.7	33.0	32.3	34.0	35.5		14 10	42.3	21 49	30.5	11.8	17
37.5	36.8	36.1	36.0	35.9	35.8	35.8	35.3	35.5		14 02	39.3	08 09	31.4	7.9	18
37.1	36.7	35.5	35.8	36.2	36.1	35.1	34.8	35.7		12 28	40.4	07 20	31.3	9.1	19
36.4	36.3	36.2	36.3	36.3	36.3	35.9	35.8	35.2		14 12	39.2	07 39	29.5	9.7	20 *
37.5	37.3	36.3	35.9	35.0	35.6	36.2	34.7	36.0		13 10	42.3	06 31	31.2	11.1	21
36.9	36.8	37.0	37.1	36.3	35.3	35.2	34.7	35.5		13 10	41.7	05 43	29.2	12.5	22
38.0	36.6	35.9	35.8	36.3	36.4	36.4	36.2	35.7		13 36	41.7	07 58	29.8	11.9	23
40.3	37.4	36.1	32.7	35.1	34.6	32.5	34.4	34.3		13 24	45.2	04 42	22.5	22.7	24 **
39.1	37.6	35.3	32.9	34.0	35.2	35.8	35.7	35.7		14 41	44.2	19 50	26.4	17.8	25 **
38.9	37.0	35.9	35.2	34.8	35.1	35.4	35.4	35.7		13 55	41.6	06 48	29.9	11.7	26
38.5	37.9	36.7	35.8	36.0	35.4	33.7	34.3	35.5		13 20	40.7	05 47	28.7	12.0	27
38.2	37.4	37.4	35.5	35.6	35.3	33.8	33.0	36.1		12 00	41.1	07 13	31.2	9.9	28
37.7	36.7	35.8	35.6	35.3	35.1	33.2	32.1	34.8		14 35	39.1	08 46	29.8	9.3	29
38.6	37.7	36.6	35.9	35.8	35.8	35.8	33.4	35.4		13 28	42.5	06 21	31.1	11.4	30
38.2	37.0	36.0	35.5	35.7	35.5	35.4	35.4	35.8		14 27	40.6	06 00	30.3	10.3	31
38.0	37.4	36.6	35.6	35.4	35.2	34.7	34.5	35.6		-	41.7	-	29.0	12.6	Mean
36.8	36.6	36.6	36.4	36.3	36.3	36.1	36.0	35.9		-	40.1	-	31.6	8.5	Mean *
38.8	38.0	37.1	35.5	35.6	35.4	34.7	34.5	35.6		-	45.3	-	26.7	18.7	Mean **
									9° + Tabular Quantities						JUNE
39.1	38.3	37.1	36.6	36.4	36.1	34.8	34.9	35.6		14 32	41.3	07 25	29.7	11.6	1
38.0	37.9	37.9	37.2	35.7	35.6	36.0	35.6	35.4		14 55	38.6	07 10	30.4	8.2	2
36.6	36.8	37.4	37.4	37.2	36.5	36.5	36.2	35.9		12 31	40.4	08 02	31.2	9.2	3 *
37.5	36.6	35.7	35.8	36.1	36.0	35.8	36.1	35.6		13 02	40.7	06 48	29.9	10.8	4
36.7	35.9	35.5	36.0	36.2	36.3	36.4	36.1	36.0		13 01	40.1	07 29	32.2	7.9	5 *
35.4	34.8	34.9	35.1	35.8	35.9	35.9	35.7	35.4		12 33	41.5	06 16	29.4	12.1	6 *
36.9	35.6	35.7	37.0	37.1	36.5	33.4	34.2	35.6		12 16	41.0	07 24	30.4	10.6	7
38.4	37.1	36.6	36.5	34.3	35.7	35.9	35.9	35.9		12 38	41.3	06 28	29.4	11.9	8
41.2	37.9	36.5	36.2	36.1	35.8	36.1	36.2	36.3		13 58	44.4	05 20	29.3	15.1	9
38.3	36.6	35.6	33.0	36.8	34.6	31.0	35.1	36.6		05 30	45.4†	22 19	26.4†	19.0	10 **
38.7	36.1	36.3	35.7	35.5	30.6	32.9	34.4	34.7		13 58	41.9	21 46	27.1	14.8	11 **
40.3	38.0	35.5	35.3	34.9	32.7	31.2	32.7	35.2		15 02	42.7	09 05	28.6	14.1	12 **
38.7	37.3	36.9	36.3	35.1	34.3	34.5	33.6	35.8		14 10	40.8	08 30	29.4	11.4	13
37.7	37.3	37.2	36.9	36.6	35.7	35.4	36.9	35.5		14 17	39.4	07 12	30.7	8.7	14
37.9	36.9	36.5	36.6	36.6	36.0	35.2	34.9	35.2		15 10	39.4	06 14	30.5	8.9	15
37.0	36.8	36.2	36.0	35.9	35.7	35.9	35.6	35.3		14 27	39.0	06 11	30.9	8.1	16 *
36.7	36.0	35.4	35.3	35.4	35.6	35.3	35.3	35.1		14 15	38.6	05 46	30.4	8.2	17
39.8	38.7	37.9	35.5	35.8	33.5	32.6	34.0	35.6		13 11	42.5	06 28	30.4	12.1	18
38.9	37.9	36.3	36.7	36.6	35.5	34.3	31.1	35.5		13 50	42.3	06 17	31.3	11.0	19
40.1	39.2	37.0	31.1	31.8	34.5	35.1	35.0	33.8		13 30	41.6	02 33	26.8	14.8	20 **
37.4	36.3	34.7	33.3	34.8	35.2	35.5	35.3	34.4		13 38	41.4	07 12	28.3	13.1	21 **
38.4	37.9	36.6	35.6	35.4	35.5	34.1	34.2	35.5		14 00	41.2	08 40	31.3	9.9	22
37.1	35.6	34.6	34.6	34.2	32.7	32.3	33.5	34.8		14 26	40.9	07 14	29.3	11.6	23
38.1	37.0	36.8	36.8	33.3	33.6	35.3	35.3	34.9		14 03	40.4	08 03	29.0	11.4	24
37.1	36.2	35.6	34.9	34.9	34.7	34.6	34.1	34.9		14 42	40.3	05 47	28.3	12.0	25
37.9	37.3	36.1	35.6	35.3	34.6	33.5	33.4	35.3		14 17	42.0	07 09	28.6	13.4	26
39.1	37.9	37.5	37.2	35.8	35.0	35.3	34.9	35.9		14 50	42.4	05 56	31.2	11.2	27
38.6	37.4	37.4	37.1	36.6	36.0	35.3	35.3	35.5		16 09	40.1	07 30	30.3	9.8	28
38.0	37.8	36.9	35.9	35.4	35.3	35.1	34.8	35.5		14 47	40.4	06 14	30.6	9.8	29
38.5	37.5	36.6	36.4	36.0	35.6	35.2	34.8	35.1		13 38	39.1	07 18	29.7	9.4	30 *
38.1	37.1	36.4	35.8	35.6	35.0	34.7	34.8	35.4		-	41.0	-	29.7	11.3	Mean
36.8	36.4	36.1	36.2	36.2	36.0	36.0	35.7	35.6		-	40.0	-	30.7	9.3	Mean *
39.0	37.2	35.8	33.7	34.8	33.5	33.1	34.5	34.9		-	42.6	-	27.4	15.2	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
JULY	9° + Tabular Quantities																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	34.8	35.2	34.5	34.3	33.6	32.0	30.9	31.3	32.4	33.6	35.0	36.9	38.2	38.7	39.0	38.4	
2	35.4	34.7	34.4	33.6	33.1	32.1	31.4	31.5	32.2	32.9	34.3	36.0	38.0	38.9	40.4	40.2	
3 **	34.9	34.2	32.1	31.9	30.2	31.4	31.7	31.5	32.0	32.0	34.4	36.6	40.1	41.2	41.1	41.1	
4	30.4	30.6	32.2	33.1	32.3	32.4	31.7	32.1	32.3	33.4	34.9	36.3	37.2	37.4	37.6	36.9	
5	33.2	32.6	33.2	33.4	32.7	32.1	31.7	32.1	32.7	32.8	34.6	36.3	38.1	38.0	38.0	36.6	
6	34.9	36.0	34.3	32.8	31.7	30.3	29.9	30.6	31.6	32.2	34.4	36.4	38.2	38.4	38.4	38.6	
7 **	34.4	34.4	34.5	34.1	34.2	29.3	30.1	30.5	31.7	32.7	35.4	36.3	38.7	40.6	41.3	40.0	
8 **	34.1	36.0	34.4	38.6	34.5	30.4	28.5	29.3	29.9	30.1	32.0	35.3	37.9	39.4	40.5	38.9	
9	33.2	38.0	35.3	33.3	32.1	31.5	31.0	30.7	31.4	32.5	33.7	36.3	39.0	40.4	40.2	39.6	
10	33.4	31.4	34.4	35.1	33.6	32.6	32.4	31.5	29.2	31.3	34.2	37.1	38.5	40.1	39.7	39.3	
11	35.7	35.1	34.1	32.8	33.4	32.5	31.9	32.1	31.9	31.8	33.0	36.2	38.9	40.4	40.3	39.7	
12	35.0	35.2	34.7	34.9	33.9	32.0	30.5	30.2	30.3	32.0	34.2	36.5	39.6	42.1	42.0	40.5	
13	35.4	35.5	35.6	34.1	33.3	31.8	30.9	31.4	31.3	31.7	33.4	36.1	38.5	39.0	39.4	38.8	
14 *	34.3	34.2	34.5	34.4	33.4	32.4	32.9	33.7	33.6	34.4	35.8	37.7	39.7	40.1	39.8	38.7	
15 *	34.4	34.5	34.7	34.2	33.3	31.4	30.0	29.6	29.6	30.5	32.9	35.6	37.6	39.1	38.6	37.4	
16	34.6	33.9	33.6	33.1	32.4	30.7	30.9	30.9	31.5	33.0	34.5	36.0	37.6	39.2	39.2	38.4	
17 **	32.4	35.1	31.3	30.9	31.4	31.0	31.8	31.3	30.5	31.1	33.1	36.4	38.7	42.4	42.3	43.2	
18 **	35.0	34.9	33.1	31.9	37.6	34.0	31.1	31.2	31.3	32.1	35.4	36.9	38.1	39.5	40.8	39.0	
19	34.9	35.7	34.4	33.7	31.1	31.8	30.3	29.9	30.4	32.2	33.1	34.0	36.4	38.2	39.1	38.7	
20	30.4	30.3	29.3	30.1	31.1	30.9	30.3	30.3	30.7	32.3	33.2	33.9	37.0	37.9	38.6	38.3	
21	34.7	35.1	33.2	32.2	31.9	31.2	31.3	30.8	31.0	32.7	35.1	38.3	41.4	40.7	40.2	39.2	
22	34.8	34.4	33.9	34.4	33.4	32.9	31.2	29.9	31.5	32.8	34.2	36.5	38.3	39.4	39.0	38.7	
23	33.8	35.3	35.3	33.2	31.9	30.6	30.0	29.7	30.0	30.5	32.8	35.9	38.8	39.4	38.7	37.5	
24 *	34.8	34.7	34.4	34.2	33.5	32.1	30.5	30.6	31.3	32.0	34.0	36.2	38.6	39.2	38.3	36.8	
25	33.9	33.4	32.7	32.3	31.8	30.8	30.5	30.6	31.5	33.3	35.1	37.7	39.4	40.3	39.8	39.4	
26	34.1	34.1	34.1	33.5	33.0	31.3	30.7	30.5	30.2	31.7	34.6	38.6	41.4	43.4	42.1	40.1	
27 *	34.3	34.2	34.4	33.9	33.6	32.4	31.0	30.1	30.0	31.3	34.4	38.0	41.3	41.5	41.3	39.4	
28 *	33.4	33.9	33.1	33.1	33.1	32.3	31.8	31.8	31.4	31.6	33.0	35.3	38.0	39.5	40.4	39.7	
29	34.2	34.0	33.4	33.4	32.8	31.3	30.7	29.1	30.4	31.9	34.0	36.5	40.3	42.4	43.2	39.8	
30	34.4	34.0	31.7	32.4	31.7	29.5	30.0	31.5	31.6	32.4	34.4	36.3	39.0	39.0	38.7	39.1	
31	34.2	33.3	33.2	32.6	31.1	30.1	28.4	27.9	28.9	30.3	32.4	35.2	36.8	39.0	39.9	38.6	
Mean	34.1	34.3	33.7	33.4	32.8	31.5	30.8	30.8	31.1	32.1	34.0	36.4	38.7	39.8	39.9	39.0	
Mean *	34.2	34.3	34.2	34.0	33.4	32.1	31.2	31.2	31.2	32.0	34.0	36.6	39.0	39.9	39.7	38.4	
Mean **	34.2	34.9	33.1	33.5	33.6	31.2	30.6	30.8	31.1	31.6	34.1	36.3	38.7	40.6	41.2	44.4	
AUGUST	9° + Tabular Quantities																
1	35.1	33.0	31.6	32.7	33.0	32.3	31.6	31.0	29.9	30.6	32.4	35.4	37.6	38.9	38.6	38.0	
2	33.8	33.1	32.8	32.3	32.1	31.6	30.8	31.4	31.8	33.2	34.4	35.5	36.9	37.9	38.0	37.3	
3	32.5	33.6	33.0	32.5	33.2	32.4	31.4	31.8	31.9	33.3	35.3	37.6	39.3	39.6	39.6	38.3	
4 **	35.0	35.4	36.4	26.3	27.8	38.9	32.7	28.9	32.0	33.0	35.1	37.4	38.5	39.5	39.2	35.6	
5 **	32.4	32.2	33.7	33.4	34.2	32.6	32.6	32.4	32.9	34.7	36.7	38.2	39.4	39.2	40.3	38.0	
6	32.3	34.7	36.5	34.2	33.0	32.0	30.2	29.6	30.7	32.8	33.7	35.1	36.6	36.4	36.3	36.3	
7	32.6	32.5	35.3	32.9	32.4	33.5	34.3	33.8	33.4	33.4	34.8	37.5	39.5	41.1	40.8	39.3	
8	34.7	34.3	35.8	34.3	33.5	33.4	33.4	31.6	30.8	31.4	33.3	36.3	39.0	39.6	38.5	37.4	
9	34.5	34.9	34.3	37.4	35.2	32.3	31.7	31.2	31.4	32.1	34.0	36.5	39.5	41.4	40.4	39.5	
10 *	34.1	34.1	33.8	34.0	33.6	32.4	31.1	30.8	30.4	30.6	32.9	36.1	39.0	41.0	41.3	39.9	
11 **	34.3	34.1	32.0	32.5	29.6	29.5	29.9	31.2	30.8	31.4	33.3	37.3	39.5	42.2	43.2	42.6	
12 **	30.5	33.3	36.3	33.8	32.3	31.2	31.4	30.4	31.4	33.6	35.6	38.1	40.2	42.1	40.9	38.1	
13	35.7	34.9	34.2	33.2	33.4	32.8	31.5	30.0	30.6	32.4	34.6	37.5	39.0	40.2	39.6	38.4	
14	32.6	32.4	31.9	32.6	32.9	32.5	31.5	31.1	31.3	33.6	35.9	37.8	39.3	39.6	38.2	37.4	
15 *	33.4	32.5	31.8	31.9	32.6	32.0	31.2	30.6	30.9	32.9	35.5	37.4	38.9	39.1	38.1	36.8	
16	33.4	34.2	33.4	32.4	31.6	31.5	30.5	31.3	31.8	33.5	35.9	38.3	39.5	39.3	38.5	38.0	
17	33.6	31.8	31.2	32.5	32.8	31.4	31.2	31.0	32.1	33.9	36.2	38.3	40.0	40.1	38.8	38.1	
18	33.6	32.5	33.3	32.9	30.9	31.2	29.9	31.2	30.9	32.4	34.2	37.1	39.9	39.7	38.5	37.5	
19	34.3	34.1	33.7	33.5	33.3	32.4	31.6	31.5	31.5	33.8	37.6	41.4	42.7	42.2	40.3	38.3	
20	33.2	33.0	32.5	32.9	32.4	31.7	31.6	32.1	32.8	34.1	35.9	37.8	39.6	39.6	38.1	35.7	
21	34.3	33.7	33.2	32.8	32.5	31.7	31.5	31.7	33.7	36.5	39.7	41.7	42.3	40.6	38.4	37.1	
22	34.5	33.2	34.2	30.5	30.5	29.1	29.4	30.5	31.8	34.1	36.8	39.1	38.0	38.4	38.7	37.5	
23	33.6	34.2	33.7	33.4	33.0	32.6	31.9	31.4	31.5	33.5	37.3	40.4	42.9	42.6	40.4	37.5	
24 *	33.9	33.8	33.9	33.9	33.5	33.0	32.2	30.7	30.4	31.6	34.5	37.1	38.6	39.5	38.7	37.6	
25	34.2	33.6	33.6	32.2	30.9	31.7	30.8	31.4	32.2	33.7	35.7	37.1	38.7	39.5	39.7	39.5	
26	30.6	28.7	30.6	33.2	32.2	30.5	30.3	31.6	31.8	33.3	36.7	39.5	40.4	42.3	39.9	38.3	
27	31.6	32.5	32.1	31.4	31.1	31.5	31.4	30.7	30.8	32.3	34.7	37.4	41.1	41.9	40.3	38.7	
28 *	33.5	33.6	33.7	33.5	33.4	33.1	32.2	31.4	31.4	32.4	35.4	39.1	40.6	40.3	38.7	37.3	
29	34.4	33.8	33.8	33.5	33.4	33.2	32.4	32.0	32.2	33.6	35.9	37.8	39.3	39.9	39.9	39.0	
30 *	33.4	33.0	32.6	32.3	32.2	31.7	31.5	30.6	30.6	32.0	34.7	37.3	38.7	39.3	38.1	36.9	
31 **	33.6	34.0	33.8	34.3	32.6	31.6	31.3	31.1	32.3	34.8	37.2	40.2	40.8	39.7	38.5	37.3	
Mean	33.5	33.4	33.5	32.9	32.4	32.2	31.5	31.2	31.5	33.0	35.4	37.8	39.5	40.1	39.3	38.0	
Mean *	33.7	33.4	33.2	33.1	33.1	32.4	31.6	31.0	30.7	31.9	34.6	37.4	39.2	39.8	39.0	37.7	
Mean **	33.2	33.8	34.4	32.1	31.3	32.8	31.6	30.8	31.9	33.5	35.6	38.2	39.7	40.5	40.4	38.3	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h Mean	Maximum		Minimum		Range	Date
								9° + Tabular Quantities						JULY
′	′	′	′	′	′	′	′	′	h m	′	h m	′	′	
38.7	38.6	37.6	36.5	36.2	35.9	35.7	35.5	35.6	14 20	39.3	07 22	30.4	8.9	1
39.4	39.3	38.7	37.9	37.2	36.3	36.0	35.6	35.8	14 40	40.5	06 11	31.1	9.4	2
41.1	39.7	38.2	37.5	37.2	32.4	27.5	29.9	35.0	14 13	42.4	22 39	25.4	17.0	3 **
36.0	35.8	36.4	36.2	35.7	35.3	34.6	33.4	34.3	14 40	38.3	01 51	29.4	8.9	4
35.3	35.3	35.9	36.9	36.3	34.2	34.9	35.2	34.7	13 35	38.2	06 16	31.4	6.8	5
38.2	36.7	36.5	36.4	35.8	35.7	35.4	34.9	34.9	12 36	38.7	06 11	29.4	9.3	6
39.1	37.7	36.9	33.0	35.6	33.1	31.8	32.1	34.9	14 16	42.2	05 37	28.4	13.8	7 **
37.2	36.4	36.4	33.4	31.4	32.8	32.8	32.3	34.3	14 40	41.7	07 00	27.4	14.3	8 **
38.3	36.5	36.0	35.9	32.4	34.0	34.5	37.3	35.1	13 56	41 1	08 09	29.9	11.2	9
37.2	35.9	35.0	35.0	34.6	34.8	34.7	34.8	34.8	13 45	40.4	08 57	28.4	12.0	10
37.9	37.2	35.7	34.0	35.5	36.1	35.7	35.6	35.3	13 47	40.8	06 59	31.3	9.5	11
38.1	37.0	36.2	35.6	35.2	35.6	35.5	36.4	35.6	14 00	42.4	07 19	29.8	12.6	12
37.3	36.1	35.7	35.4	34.9	35.2	34.8	34.4	35.0	14 15	39.5	06 03	30.4	9.1	13
37.5	36.7	35.5	35.3	35.4	35.4	35.1	34.9	35.6	12 47	40.4	05 50	31.7	8.7	14 *
36.8	36.5	36.4	36.3	35.7	35.5	35.4	35.3	34.6	13 31	39.4	08 44	29.4	10.0	15 *
38.5	37.7	37.8	37.3	36.4	36.1	35.7	32.7	35.1	14 24	39.4	05 51	29.3	10.1	16
44.1	41.7	35.7	36.7	37.1	36.0	35.3	34.2	35.6	16 33	45.0†	02 40	29.5	15.5	17 **
38.3	36.4	36.1	35.6	34.7	35.0	35.7	36.5	35.4	14 42	42.0	03 25	28.5	13.5	18 **
38.6	38.4	37.9	37.7	36.6	29.7	31.9	32.2	34.5	14 25	39.2	21 53	27.7	11.5	19
37.1	36.2	35.9	33.8	35.3	35.2	34.9	34.6	33.7	14 20	39.3	02 53	27.4	11.9	20
37.3	37.0	36.6	36.4	36.5	35.4	35.5	35.0	35.4	12 33	41.9	07 25	30.4	11.5	21
37.5	36.5	33.9	34.8	35.1	34.7	33.3	34.4	34.8	13 10	40.4	07 38	29.3	11.1	22
36.7	35.5	35.4	34.2	33.6	34.5	34.9	34.5	34.3	13 06	39.4	07 54	28.5	10.9	23
36.1	35.3	35.0	35.1	35.1	35.0	34.4	34.4	34.7	13 30	39.3	06 46	30.2	9.1	24 *
38.5	37.4	36.6	35.8	35.4	35.1	34.4	34.5	35.0	14 00	40.4	05 50	30.3	10.1	25
38.0	36.4	35.3	35.1	35.1	35.0	34.5	34.4	35.3	13 28	43.8	08 05	29.2	14.6	26
37.5	36.1	35.7	35.9	35.8	35.6	35.0	34.3	35.3	13 07	41.6	07 32	29.5	12.1	27 *
37.9	36.7	36.5	36.1	35.7	35.3	34.8	34.2	34.9	14 33	40.4	08 48	31.1	9.3	28 *
38.8	37.9	36.9	35.8	28.4	33.5	34.4	34.0	34.9	14 29	44.4	20 22	24.4†	20.0	29
38.6	37.7	37.0	33.2	33.6	32.9	33.3	33.3	34.4	13 02	40.9	05 54	28.0	12.9	30
37.9	36.9	36.4	34.9	34.9	35.5	34.9	33.9	34.1	14 20	40.4	07 42	27.3	13.1	31
38.0	37.1	36.3	35.6	35.1	34.7	34.4	34.3	34.9	-	40.7	-	29.2	11.6	Mean
37.2	36.3	35.8	35.7	35.5	35.4	34.9	34.6	35.0	-	40.2	-	30.4	9.8	Mean *
40.0	38.4	36.7	35.2	35.2	33.9	32.6	33.0	35.2	-	42.7	-	27.8	14.8	Mean **
								9° + Tabular Quantities						AUGUST
36.6	35.7	35.0	34.8	34.0	35.0	34.7	34.5	34.3	13 24	39.4	08 12	29.4	10.0	1
36.0	35.5	34.7	35.2	35.4	35.3	35.2	33.5	34.3	13 40	38.2	05 55	30.2	8.0	2
36.3	35.5	35.4	35.1	35.7	36.0	35.9	35.8	35.0	14 12	40.1	06 22	30.7	9.4	3
35.8	34.6	32.8	34.3	34.7	34.9	34.3	34.1	34.5	05 23	42.5	03 50	19.4†	23.1	4 **
36.3	36.6	31.2	32.0	31.5	33.6	33.7	34.4	34.7	12 16	40.5	18 23	28.7	11.8	5 **
35.9	35.2	34.5	34.3	34.1	33.9	34.1	33.0	34.0	02 30	38.4	07 48	28.9	9.5	6
37.5	35.2	34.4	35.2	34.8	35.1	34.1	34.4	35.3	14 16	41.9	03 10	31.3	10.6	7
35.7	34.9	34.0	33.9	34.8	34.6	33.6	34.2	34.7	13 27	39.8	08 40	30.4	9.4	8
38.1	36.3	35.4	33.6	33.9	33.6	33.2	33.9	35.2	13 30	42.4	07 53	30.5	11.9	9
37.9	35.6	34.5	34.3	34.4	34.5	34.6	33.8	34.8	14 20	41.4	09 14	29.9	11.5	10 *
39.9	37.9	34.6	32.1	30.9	31.1	36.3	32.1	34.5	14 50	45.7†	19 26	26.2	19.5	11 **
36.9	36.6	35.7	30.9	31.9	32.6	34.0	34.2	34.7	13 39	43.4	19 42	28.1	15.3	12 **
36.9	36.2	35.0	33.6	34.5	35.1	35.1	32.9	34.9	13 50	40.9	07 48	29.4	11.5	13
36.3	36.0	35.3	34.9	35.9	35.2	34.5	33.5	34.7	13 05	39.8	08 04	30.7	9.1	14
35.8	35.2	35.1	35.3	34.6	33.7	34.2	34.2	34.3	12 50	39.4	07 43	30.4	9.0	15 *
36.6	35.2	35.2	35.3	35.2	34.4	33.0	34.1	34.7	11 55	39.7	06 28	29.5	10.2	16
36.7	34.8	34.5	35.0	35.0	35.1	35.0	34.7	34.7	13 11	40.6	02 14	29.6	11.0	17
36.2	34.7	32.6	33.6	34.2	34.5	33.7	34.2	34.1	12 59	40.5	06 45	29.4	11.1	18
35.8	34.3	34.1	33.7	32.9	34.0	32.9	31.5	35.1	12 11	43.2	22 58	30.1	13.1	19
34.4	34.2	34.6	34.8	33.9	32.6	34.5	34.4	34.4	13 00	40.2	21 06	30.8	9.4	20
35.1	33.4	35.3	36.2	35.7	35.3	35.1	34.8	35.5	12 26	42.4	07 06	30.6	11.8	21
36.4	35.3	34.6	34.3	34.6	33.6	33.5	33.7	34.3	11 37	39.5	05 38	28.5	11.0	22
34.8	33.4	33.4	33.9	33.9	33.9	33.9	34.0	35.0	12 46	43.4	07 44	30.6	12.8	23
36.3	35.0	34.6	34.4	33.7	34.5	34.4	34.3	34.6	13 50	39.6	07 47	29.7	9.9	24 *
40.5	39.4	37.2	36.1	34.7	34.1	34.0	33.5	35.2	16 05	41.0	06 39	30.4	10.6	25
37.1	36.4	35.7	35.3	35.2	34.7	31.0	31.2	34.4	13 34	43.6	01 06	27.1	16.5	26
36.2	35.1	33.2	33.4	33.7	33.5	33.5	33.4	34.2	13 06	43.2	00 03	29.6	13.6	27
35.7	34.4	33.8	32.9	33.5	33.2	33.6	33.5	34.6	12 44	40.9	08 51	31.1	9.8	28 *
37.5	35.7	34.9	34.4	34.5	32.8	31.9	33.5	35.0	14 07	40.4	21 57	30.4	10.0	29
36.0	35.5	35.9	35.7	35.9	35.4	34.2	34.0	34.5	13 30	39.4	08 05	30.3	9.1	30 *
36.4	35.6	35.4	35.7	31.7	31.3	33.2	29.0	34.6	12 26	41.8	23 22	23.5	18.3	31 **
36.6	35.5	34.6	34.3	34.2	34.1	34.0	33.6	34.7	-	41.1	-	29.2	11.9	Mean
36.3	35.1	34.8	34.5	34.4	34.3	34.2	34.0	34.6	-	40.1	-	30.3	9.9	Mean *
37.1	36.3	33.9	33.0	32.1	32.7	34.3	32.8	34.6	-	42.8	-	25.2	17.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h
SEPTEMBER	9° + Tabular Quantities																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	29.2	32.1	35.0	33.8	31.1	30.5	30.5	31.4	31.7	33.2	35.2	36.8	38.4	38.5	38.8	38.1	
2	36.4	33.3	33.3	32.9	32.0	31.7	31.5	31.1	31.4	32.7	35.9	36.7	37.8	38.2	37.0	35.8	
3	34.4	32.5	30.4	31.7	30.3	31.8	31.6	31.5	31.5	32.5	35.4	37.8	39.3	40.2	39.3	37.2	
4	34.3	34.0	33.6	33.9	33.6	32.5	31.9	31.4	31.2	32.4	36.5	39.6	41.7	41.3	39.6	37.0	
5	33.0	34.0	33.4	33.5	33.1	31.5	30.4	29.8	30.5	32.5	35.6	38.1	39.7	39.4	38.1	35.9	
6	33.6	33.1	33.2	32.9	32.6	32.2	31.4	30.4	30.1	31.8	35.4	37.6	39.8	41.3	39.2	37.5	
7 **	27.4	28.7	30.5	31.4	31.4	30.8	29.0	29.2	29.5	31.3	35.2	39.3	40.2	41.6	40.8	39.1	
8 **	30.8	32.3	36.1	33.1	30.4	32.1	32.0	30.9	31.5	34.0	38.5	41.3	43.2	41.2	39.8	37.2	
9	34.0	33.8	33.4	34.7	35.8	31.9	31.1	30.3	30.0	31.5	34.7	38.2	40.6	39.6	39.3	36.7	
10	31.3	32.2	36.8	32.3	31.8	31.7	31.6	30.7	30.1	30.8	32.8	35.2	37.7	39.8	39.3	38.2	
11	33.4	33.0	32.4	30.2	30.9	31.6	32.0	31.5	31.2	31.8	32.9	35.4	37.5	38.3	38.3	37.3	
12	33.4	33.1	33.7	32.7	31.8	31.8	31.4	30.6	30.5	32.0	34.3	36.1	37.3	38.3	38.0	36.9	
13 *	33.5	32.9	32.7	32.7	32.5	32.5	32.0	31.7	31.4	31.6	33.1	33.8	35.3	36.7	37.5	37.2	
14 *	33.2	33.3	33.0	33.1	33.1	32.9	32.5	31.7	31.5	31.6	33.4	35.3	37.5	39.0	38.7	37.5	
15 *	33.2	32.9	33.2	33.1	32.9	32.7	31.6	30.4	29.9	30.7	32.9	35.0	37.0	37.5	37.4	36.5	
16	33.4	33.2	32.8	32.9	32.1	32.2	32.3	31.3	30.3	30.9	32.7	34.6	38.3	41.4	42.8	44.4	
17	32.4	31.7	30.9	31.0	31.6	32.3	32.0	32.1	31.9	32.8	34.5	36.8	38.4	38.8	38.5	37.2	
18	33.0	33.1	33.3	32.5	32.4	32.5	32.3	31.3	30.7	31.3	33.4	35.7	37.9	38.8	38.6	37.2	
19 *	33.0	33.7	34.0	33.4	33.4	33.3	32.6	31.5	30.5	31.1	33.4	36.1	38.8	39.8	39.2	37.4	
20 *	33.7	33.8	33.7	33.6	33.3	33.1	32.5	31.5	30.5	31.1	33.7	36.8	38.9	38.9	37.8	36.2	
21	33.9	34.0	33.8	33.1	32.8	32.3	31.3	30.0	29.8	30.6	32.8	36.2	38.5	39.5	39.3	37.9	
22 **	33.4	30.0	31.6	28.6	24.9	28.9	29.2	29.6	29.7	31.0	33.4	36.0	38.3	38.3	37.6	36.5	
23	32.9	33.7	32.6	31.4	31.2	31.3	30.8	30.9	32.6	32.5	34.9	35.0	37.0	37.7	37.3	36.3	
24	32.6	32.6	32.6	32.3	33.5	32.5	32.3	31.6	30.0	30.5	33.1	36.3	37.8	38.9	38.9	36.2	
25	32.4	32.3	31.7	30.9	33.3	33.2	32.7	31.4	30.9	31.4	33.6	35.7	37.5	37.6	37.3	36.0	
26	32.6	33.9	32.6	33.5	33.3	33.3	32.4	30.8	30.7	30.7	32.0	34.7	37.5	38.2	37.8	36.7	
27	33.1	33.0	33.1	33.5	33.7	33.7	33.7	33.2	32.2	31.6	32.1	33.6	35.8	37.2	38.2	38.1	
28 **	28.8	28.3	34.5	31.5	31.7	32.7	33.4	32.9	32.5	36.3	36.7	36.5	39.1	39.8	41.1	36.4	
29	32.1	32.7	32.6	33.1	33.3	34.1	33.6	32.4	31.0	31.4	32.4	34.2	36.5	37.2	37.0	36.6	
30 **	31.6	33.1	32.8	31.8	34.8	36.7	34.4	34.5	34.1	32.7	31.2	35.4	37.0	39.1	37.9	37.5	
Mean	32.7	32.7	33.1	32.5	32.3	32.3	31.9	31.3	31.0	31.9	34.1	36.3	38.3	39.1	38.7	37.3	
Mean *	33.3	33.3	33.3	33.2	33.0	32.9	32.2	31.4	30.8	31.2	33.3	35.4	37.5	38.4	38.1	37.0	
Mean **	30.4	30.5	33.1	31.3	30.6	32.2	31.6	31.4	31.5	33.1	35.0	35.7	39.6	40.0	39.4	37.3	
OCTOBER	9° + Tabular Quantities																
1	33.2	33.7	32.3	31.6	33.5	34.6	32.6	32.5	32.6	33.6	34.2	36.7	37.8	38.6	37.8	36.9	
2	35.2	34.6	32.7	32.5	32.2	32.6	32.1	31.3	30.7	31.5	33.3	35.3	36.9	37.1	36.3	35.5	
3	33.6	34.4	33.9	32.2	32.1	32.1	32.0	31.1	30.6	30.8	32.8	35.4	37.2	39.0	38.8	39.9	
4 **	31.1	32.8	31.5	28.9	27.4	31.4	31.7	30.8	30.8	31.6	33.9	36.4	38.7	39.1	38.9	38.8	
5 **	27.7	26.1	29.6	33.7	31.8	32.3	32.1	31.7	31.0	30.3	31.7	33.7	36.0	36.0	35.9	37.9	
6	30.5	31.3	33.4	33.3	33.1	32.8	32.9	32.3	31.1	30.6	32.1	34.5	36.9	38.2	36.9	35.9	
7	28.6	28.2	30.9	32.1	32.6	33.0	32.1	30.9	30.1	30.2	31.2	34.0	36.3	37.1	37.5	36.7	
8	33.1	34.1	34.5	34.6	34.1	33.7	34.4	33.2	31.4	31.6	32.4	36.1	38.2	39.2	37.2	37.1	
9	29.2	31.4	32.3	33.2	32.4	32.1	32.4	31.7	30.8	33.5	33.9	35.0	37.9	38.6	38.1	36.9	
10	31.7	33.2	33.1	33.6	33.5	33.5	33.0	31.8	30.6	30.3	32.2	35.4	37.6	39.3	39.4	37.7	
11 *	32.9	33.1	33.1	33.6	33.5	33.4	33.1	31.7	30.4	30.6	32.3	34.9	36.7	37.7	37.6	37.3	
12	32.5	33.1	33.2	33.4	33.6	33.6	33.0	33.2	32.7	32.7	35.6	39.7	41.7	41.2	40.9	39.9	
13	32.6	33.9	33.2	31.4	31.6	32.9	32.4	31.8	31.8	32.1	34.0	36.2	38.0	37.7	37.0	36.9	
14	33.7	31.8	30.8	30.6	32.5	31.8	32.2	31.9	31.6	31.8	34.2	36.8	37.9	38.1	37.0	35.3	
15	33.7	32.4	32.2	32.6	32.6	32.7	32.2	31.4	31.0	31.9	33.8	36.8	38.6	38.3	37.3	35.5	
16	32.8	32.7	33.0	33.2	34.0	33.7	32.9	31.8	31.2	31.6	33.6	36.2	37.9	38.4	37.0	35.6	
17	33.0	33.5	32.4	32.9	33.0	32.9	33.7	32.6	31.7	32.2	34.7	37.6	39.7	40.0	39.2	39.2	
18	33.4	33.2	32.3	32.2	32.5	31.1	31.9	31.2	30.9	32.1	33.8	36.9	36.9	37.4	38.3	37.7	
19 **	30.9	31.2	32.1	32.8	32.7	32.2	34.9	32.0	31.7	32.1	34.5	36.6	39.2	44.0	41.5	43.4	
20	34.7	35.2	34.3	32.9	32.9	32.7	32.2	31.5	30.7	31.9	34.3	38.0	38.7	37.6	36.6	35.6	
21 **	35.1	33.7	34.1	35.0	33.6	32.9	32.6	32.7	31.9	31.9	33.6	35.4	36.5	37.4	36.8	36.4	
22 *	33.0	33.6	33.4	33.2	33.2	32.9	32.4	31.1	30.5	30.4	32.1	34.9	36.7	37.1	36.7	35.6	
23 *	32.9	33.3	33.7	33.8	33.8	33.5	32.8	31.8	30.6	31.5	33.9	35.5	36.8	37.2	36.6	35.4	
24	32.8	32.9	33.1	33.6	33.4	33.2	32.9	32.4	30.8	30.5	32.4	35.3	37.2	37.6	36.9	35.5	
25	28.3	31.0	32.3	32.5	32.6	33.2	32.8	31.7	30.7	30.4	32.5	34.6	36.7	37.7	36.7	35.3	
26 **	32.6	31.0	32.6	33.3	33.6	33.7	34.2	32.9	32.0	35.2	33.9	35.6	35.7	36.8	35.5	34.7	
27	33.2	32.8	32.6	33.6	33.9	32.8	32.7	32.0	31.4	31.7	33.7	36.0	37.7	37.8	36.7	35.1	
28	32.5	33.6	32.5	32.8	32.8	32.9	32.7	32.6	31.7	31.6	33.1	35.2	36.7	36.8	35.7	34.7	
29	33.0	32.7	32.7	35.2	33.4	33.5	32.6	32.3	32.1	32.1	34.0	36.0	36.8	36.6	36.1	34.9	
30 *	31.9	31.3	31.7	32.0	32.1	31.7	31.7	31.3	30.7	31.0	33.0	35.6	37.6	37.8	37.0	36.2	
31 *	33.2	32.9	32.8	32.9	32.6	32.6	32.2	31.8	31.2	31.9	33.8	35.6	36.2	36.3	35.3	34.0	
Mean	32.3	32.5	32.7	32.9	32.8	32.8	32.7	31.9	31.2	31.7	33.4	35.9	37.5	38.1	37.4	36.7	
Mean *	32.8	32.8	32.9	33.1	33.0	32.8	32.4	31.5	30.7	31.1	33.0	35.3	36.8	37.2	36.6	35.7	
Mean **	31.5	31.0	32.0	32.7	31.8	32.5	33.1	32.0	31.5	32.2	33.5	35.5	37.2	38.7	37.7	38.2	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
						9° + Tabular Quantities									SEPTEMBER
′	′	′	′	′	′	′	′	′	′	h m	′	h m	′	′	
37.2	31.7	35.1	35.2	34.5	31.4	29.7	29.6	33.7	02 54	39.9	22 05	25.8	14.1	1	
35.5	35.0	34.9	32.0	32.5	33.5	33.3	34.2	34.1	00 37	39.0	19 34	30.4	8.6	2	
34.7	32.3	32.2	32.2	29.7	33.8	34.3	34.4	33.8	14 00	40.6	20 07	26.5	14.1	3	
34.7	33.4	33.0	32.1	31.9	31.0	31.0	31.3	34.3	12 21	41.9	21 18	29.6	12.3	4	
34.7	33.9	33.6	33.6	33.6	33.6	33.5	33.7	34.1	12 56	40.5	07 15	29.3	11.2	5	
35.9	35.0	33.6	34.3	34.7	31.8	23.6	28.6	33.7	13 11	41.7	22 38	18.5†	23.2	6	
37.1	34.3	31.5	28.8	30.1	29.9	25.3	29.5	32.6	13 14	43.8	22 32	18.0†	25.8	7	**
36.1	31.2	29.4	32.2	30.5	31.7	32.5	34.4	34.3	12 52	44.4	17 58	25.5	18.9	8	**
33.5	32.5	30.2	32.2	32.7	34.6	32.3	31.9	34.0	12 30	40.9	18 20	28.7	12.2	9	
37.1	36.1	35.1	33.0	34.0	32.1	33.6	34.2	34.1	13 26	40.6	00 53	28.2	12.4	10	
35.6	34.6	34.9	34.6	34.3	33.9	33.0	33.2	33.8	14 00	38.6	03 55	29.3	9.3	11	
35.7	35.5	35.1	35.2	34.6	34.5	34.0	33.6	34.2	13 40	38.5	08 27	29.6	8.9	12	
36.2	35.6	34.9	34.6	33.3	33.2	33.6	32.8	33.8	14 46	37.6	08 52	31.0	6.6	13	*
35.8	34.9	34.6	34.2	34.0	34.0	33.7	33.3	34.2	14 00	39.4	08 50	30.6	8.8	14	*
35.8	35.2	35.2	35.0	34.6	34.1	33.8	33.7	33.9	13 00	37.7	08 10	29.6	8.1	15	*
42.4	40.0	38.5	36.1	32.7	29.6	30.9	32.9	34.9	15 31	45.0	09 02	29.6	15.4	16	
36.2	35.3	34.4	33.6	31.6	31.1	32.1	32.2	33.7	14 38	40.5	02 00	28.6	11.9	17	
35.6	34.6	34.3	33.9	33.7	33.1	32.5	33.3	34.0	13 36	39.6	08 51	30.3	9.3	18	
36.0	35.0	34.9	34.3	34.0	33.9	33.9	34.0	34.5	14 00	40.3	08 37	30.3	10.0	19	*
35.1	34.4	33.7	33.8	33.7	33.4	32.6	33.0	34.1	12 52	39.5	08 10	30.3	9.2	20	*
36.5	35.8	35.6	34.7	34.5	32.9	33.6	34.3	34.3	13 12	39.6	08 42	29.6	10.0	21	
36.1	35.3	33.6	32.5	33.8	34.2	32.3	32.8	32.8	03 06	52.7†	03 58	19.2	33.5	22	**
35.8	35.1	34.5	34.1	33.8	33.4	31.9	31.2	33.7	13 19	37.9	06 49	30.1	7.8	23	
36.3	35.3	34.6	26.4	29.5	33.3	33.2	33.0	33.5	14 00	39.6	19 10	25.1	14.5	24	
34.8	34.2	34.0	33.6	33.2	32.9	31.8	33.2	33.6	13 13	37.9	08 56	30.4	7.5	25	
35.8	35.0	34.6	34.3	33.7	33.6	33.2	33.2	33.9	13 16	38.6	09 09	29.9	8.7	26	
36.9	35.8	35.6	35.1	34.7	30.9	27.6	25.5	33.7	14 52	38.7	23 16	23.6	15.1	27	
33.3	36.4	35.3	28.8	29.6	30.8	31.2	31.8	33.7	15 01	44.2	19 48	18.2	26.0	28	**
35.7	34.9	34.5	34.1	34.1	33.7	33.3	32.5	33.9	14 08	38.1	09 24	30.6	7.5	29	
35.1	31.1	30.2	32.5	32.1	31.9	32.1	33.0	33.9	13 13	40.6	17 03	27.0	13.6	30	**
35.9	34.6	34.1	33.2	33.0	32.7	32.0	32.5	33.9	-	31.1	-	27.4	13.2	Mean	
35.8	35.0	34.7	34.4	33.9	33.7	33.5	33.4	34.1	-	38.9	-	30.4	8.5	Mean	*
35.5	33.7	34.0	31.2	31.2	31.7	30.9	32.3	33.5	-	45.1	-	21.6	23.6	Mean	**
						9° + Tabular Quantities									OCTOBER
34.9	32.5	33.6	33.7	33.7	33.6	33.4	33.5	34.2	13 22	38.8	17 13	31.0	7.8	1	
34.2	33.5	33.6	33.4	30.9	32.6	33.3	33.2	33.5	12 40	37.5	20 10	28.8	8.7	2	
38.6	37.2	33.6	34.5	34.8	34.0	32.5	32.4	34.3	15 48	41.4	09 16	29.9	11.5	3	
38.1	30.3	33.5	28.2	27.0	27.6	29.5	30.2	32.4	13 25	39.6	19 46	20.5†	19.1	4	**
33.1	34.4	34.4	30.1	32.6	33.1	30.5	32.6	32.4	15 30	38.5	01 56	23.7	14.8	5	**
34.1	34.9	34.0	32.0	30.1	30.7	30.1	29.1	33.0	13 20	39.6	23 14	27.6	12.0	6	
35.0	33.5	33.6	33.1	30.4	26.8	29.3	31.5	32.3	14 16	37.7	21 32	23.7	14.0	7	
34.7	30.0	28.4	29.3	31.0	30.3	28.3	28.2	33.1	13 57	40.1	18 00	24.2	15.9	8	
35.2	34.0	33.8	33.2	31.4	30.0	29.7	30.2	33.2	13 21	38.8	00 10	27.7	11.1	9	
36.0	35.0	34.1	33.3	33.2	32.9	32.9	32.7	34.0	14 00	40.2	09 05	29.7	10.5	10	
36.1	34.7	34.2	33.5	32.3	29.8	29.7	30.1	33.4	13 40	38.2	21 04	29.2	9.0	11	*
37.9	35.1	33.5	32.2	31.8	31.9	31.6	32.6	34.9	12 00	43.2	21 10	30.4	12.8	12	
36.2	35.2	34.4	33.7	33.2	31.9	33.2	32.9	33.9	12 13	38.7	03 52	30.2	8.5	13	
34.3	34.2	34.2	33.8	33.7	33.4	33.5	33.3	33.7	12 38	38.7	02 52	28.7	10.0	14	
34.1	34.2	34.2	31.4	31.9	32.0	32.4	33.1	33.6	12 53	39.2	08 52	30.6	8.6	15	
34.3	34.0	34.2	33.9	33.6	33.2	32.6	33.0	33.9	13 08	38.7	08 17	30.7	8.0	16	
36.5	35.0	34.6	33.8	33.6	33.4	33.4	33.5	34.7	12 58	40.7	07 59	31.2	9.5	17	
37.3	36.4	35.4	33.3	31.7	32.9	32.2	30.8	33.8	15 00	39.2	23 03	28.5	10.7	18	
36.2	38.4	34.1	32.9	31.2	27.2	27.4	30.2	34.1	13 50	46.7†	21 24	24.8	21.9	19	**
33.7	34.3	33.8	34.0	30.5	29.1	31.8	32.6	33.7	12 40	39.7	20 56	24.3	15.4	20	
33.5	32.9	29.5	24.7	29.0	29.2	28.9	28.9	32.8	13 20	38.2	19 19	22.0	16.2	21	**
34.7	33.8	33.1	32.7	32.5	32.5	32.5	32.7	33.4	13 08	37.4	09 12	29.7	7.7	22	*
34.8	34.6	34.2	33.7	33.4	33.1	32.8	32.7	33.8	13 13	37.7	08 25	30.4	7.3	23	*
34.8	34.8	33.8	33.4	32.9	32.7	32.7	32.3	33.7	12 54	38.0	24 00	29.0	9.0	24	
34.4	34.5	34.3	33.9	33.6	32.7	31.9	31.6	33.2	12 08	38.1	00 28	27.4	10.7	25	
33.9	33.2	32.7	32.9	30.8	31.2	32.0	32.2	33.4	13 23	37.8	20 26	29.2	8.6	26	**
33.3	34.1	33.9	32.5	31.0	32.1	32.3	32.5	33.6	13 00	39.3	20 00	30.4	8.9	27	
34.2	34.8	34.7	33.2	31.8	31.9	32.7	33.0	33.5	13 26	37.7	20 19	30.7	7.0	28	
34.6	34.3	33.1	33.1	32.8	32.7	32.6	31.7	33.7	12 45	37.2	23 46	29.9	7.3	29	
34.9	33.9	33.3	33.2	33.1	33.0	33.3	33.1	33.4	12 35	38.0	08 57	30.5	7.5	30	*
33.6	33.5	33.2	33.2	33.2	33.3	32.5	32.1	33.3	12 35	36.6	08 47	31.0	5.6	31	*
35.1	34.2	33.6	32.6	32.0	31.6	31.7	31.9	33.5	-	39.1	-	28.2	10.8	Mean	
34.8	34.1	33.6	33.3	32.9	32.3	32.2	32.1	33.5	-	37.6	-	30.2	7.4	Mean	*
35.0	33.8	32.8	29.8	30.1	29.7	29.7	30.8	33.0	-	40.2	-	24.0	16.1	Mean	**

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
NOVEMBER					9° + Tabular Quantities												
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
1 **	32.8	33.4	33.4	33.7	33.4	32.1	32.1	31.5	31.4	32.0	34.5	36.7	37.0	37.4	37.3	35.0	
2 **	32.2	29.5	33.7	31.7	32.0	31.6	31.2	31.4	30.5	31.4	33.9	35.4	35.9	36.1	35.6	34.8	
3	31.0	31.6	32.6	31.9	32.3	31.8	31.6	31.3	30.7	30.8	32.9	35.6	36.7	36.3	35.6	34.7	
4	33.5	33.6	33.5	35.3	33.0	32.2	31.8	31.4	31.2	31.7	33.7	37.0	38.7	39.1	36.9	35.1	
5	30.7	31.4	32.2	32.7	33.2	32.8	32.1	31.6	31.1	31.3	32.7	35.3	37.1	37.1	36.3	36.4	
6	31.8	32.4	32.9	33.4	33.4	32.9	32.6	32.2	31.7	32.3	33.0	35.0	35.8	36.8	35.9	35.4	
7 *	32.7	32.7	33.5	33.6	33.4	33.2	32.7	32.3	31.4	31.7	33.3	34.9	36.0	35.8	35.2	34.4	
8	32.6	33.2	33.4	33.9	34.6	34.7	33.7	33.0	32.1	31.3	32.4	34.2	35.4	35.1	34.8	34.0	
9 **	32.7	32.6	32.3	29.6	35.2	33.2	33.3	32.6	33.3	33.7	35.1	35.3	36.8	36.9	36.7	35.8	
10	30.9	31.3	37.5	33.6	33.2	32.9	32.8	32.6	32.2	32.2	33.0	35.2	36.2	35.6	35.4	34.7	
11	32.9	33.2	33.4	33.6	33.5	33.0	32.6	31.9	31.6	32.0	34.3	35.9	36.8	36.1	35.0	34.3	
12	33.5	34.2	33.9	33.2	32.1	32.6	32.9	32.3	31.6	31.7	32.9	34.6	35.6	35.8	35.2	33.8	
13	32.5	33.0	33.3	33.6	33.5	32.7	32.5	33.1	32.8	32.8	33.6	35.1	35.9	36.0	35.5	34.6	
14 *	32.8	32.9	33.0	33.0	33.0	32.8	32.3	32.1	31.9	32.6	34.3	36.3	36.9	36.3	34.9	33.9	
15 **	33.1	33.1	33.2	33.3	33.0	32.8	32.6	32.4	32.1	32.9	35.6	36.6	37.6	39.1	40.8	40.7	
16	31.2	31.7	32.3	32.1	31.6	32.7	32.3	34.8	35.4	34.9	35.3	35.6	36.3	36.4	35.6	35.6	
17	30.9	32.7	32.3	31.9	31.7	31.6	31.4	31.7	31.8	32.3	33.6	35.0	36.1	36.2	36.0	35.8	
18	32.7	32.1	32.4	32.8	32.7	32.7	32.4	32.3	32.7	32.9	33.9	34.7	35.5	35.5	34.7	34.3	
19 *	32.0	32.8	32.8	32.9	33.2	32.4	32.2	32.1	32.1	32.1	32.8	34.2	34.9	34.9	33.9	33.7	
20	32.6	32.8	32.6	32.2	32.1	32.1	31.9	31.9	31.9	32.7	33.2	34.7	35.3	34.9	34.5	33.9	
21	33.2	33.3	33.5	33.8	33.7	33.6	33.0	32.5	32.3	32.3	33.2	34.0	34.9	35.1	34.3	33.8	
22	32.6	33.3	33.5	33.8	33.6	33.5	33.1	32.7	32.5	32.7	33.5	34.6	34.6	34.8	34.7	34.6	
23 **	33.0	32.3	32.3	31.1	33.2	34.6	34.4	34.4	34.0	34.0	37.9	35.9	36.8	37.9	38.1	39.9	
24 *	31.5	32.0	32.3	32.3	32.6	32.8	32.9	33.0	32.7	32.4	33.0	33.7	34.4	34.2	33.8	33.6	
25 *	32.3	32.5	32.8	33.0	33.3	33.6	33.4	33.1	33.0	32.8	33.0	33.6	34.2	34.3	34.1	33.9	
26	32.8	33.2	33.7	34.8	32.6	32.2	32.9	32.9	32.6	32.2	33.5	35.4	36.3	37.0	38.8	37.9	
27	31.8	31.9	32.1	32.6	33.1	32.6	32.6	32.5	32.4	32.8	33.5	34.1	34.3	34.0	33.5	33.5	
28	32.0	31.7	32.5	31.7	32.3	32.0	32.4	31.8	32.3	33.0	33.5	34.5	35.0	35.0	34.1	34.3	
29	32.8	32.5	32.8	32.7	32.6	32.5	32.6	32.6	32.8	32.9	33.4	34.7	35.1	35.2	34.5	34.0	
30	26.9	32.6	33.1	33.2	32.9	35.7	34.4	32.7	32.9	32.9	33.5	34.8	35.7	35.3	34.9	34.1	
Mean	32.1	32.5	33.1	32.9	33.0	32.9	32.6	32.4	32.2	32.4	33.7	35.1	35.9	36.0	35.6	35.0	
Mean *	32.3	32.6	32.9	33.0	33.1	33.0	32.7	32.5	32.2	32.3	33.3	34.5	35.3	35.1	34.4	33.9	
Mean **	32.8	32.2	33.0	31.9	33.4	32.9	32.7	32.5	32.3	32.8	35.4	36.0	36.8	37.5	37.7	37.2	
DECEMBER					9° + Tabular Quantities												
1	33.3	34.4	33.5	32.3	32.2	32.5	32.4	33.2	33.6	33.8	33.3	34.4	36.3	36.4	34.9	35.1	
2	32.2	32.4	32.7	33.4	33.2	32.7	32.7	32.5	32.5	32.0	32.8	34.1	35.3	35.8	34.9	34.0	
3	32.8	32.8	32.6	32.6	32.7	32.1	32.2	32.0	31.7	31.6	33.0	35.0	36.9	36.9	35.6	34.2	
4	32.6	32.4	32.2	32.8	32.8	32.8	32.5	32.1	32.0	32.0	33.3	34.8	36.4	36.1	35.5	35.0	
5 *	32.4	32.7	32.5	33.0	33.4	33.0	32.7	32.2	32.0	31.6	32.1	33.4	34.4	35.0	34.9	34.0	
6	32.8	33.1	33.6	33.8	33.7	33.7	33.3	32.6	32.3	32.0	32.3	33.4	34.7	35.5	35.5	34.7	
7 **	32.5	33.1	34.0	34.3	34.5	34.1	33.7	33.1	32.6	32.2	32.6	34.1	36.2	36.1	36.4	36.0	
8	31.4	33.7	32.6	33.2	32.8	34.7	33.7	32.8	32.1	31.8	32.5	33.6	35.2	36.0	35.3	34.8	
9	32.4	32.8	33.0	33.5	33.3	33.7	33.6	33.0	32.7	32.8	33.8	34.4	35.4	34.9	34.4	34.2	
10	31.9	32.7	33.0	33.4	33.8	33.4	33.5	33.0	32.3	31.8	32.1	33.4	34.5	34.6	34.1	33.4	
11	32.5	32.7	33.0	33.1	33.6	33.2	33.0	32.7	32.6	32.3	32.7	34.0	34.7	34.7	34.1	34.2	
12 *	32.3	32.5	33.1	33.4	33.4	33.4	33.4	33.2	32.8	32.1	32.8	33.7	34.3	34.4	34.2	33.8	
13 **	31.8	31.7	32.8	33.1	33.8	33.2	33.7	33.6	33.4	33.2	33.7	34.3	34.7	35.7	35.6	34.8	
14	31.8	33.0	33.0	33.2	33.2	33.6	34.1	32.9	33.0	33.0	34.0	35.6	36.1	36.1	35.9	34.6	
15	31.9	33.8	32.8	32.8	31.8	34.6	32.2	32.3	32.3	32.4	33.2	33.9	34.2	35.1	34.5	33.5	
16 **	32.8	32.9	33.1	33.3	34.2	33.4	32.8	32.9	32.8	32.5	32.8	33.9	35.6	36.8	37.7	34.7	
17 **	31.3	36.6	30.8	32.6	33.1	33.1	32.5	32.7	33.0	33.0	32.9	33.9	35.2	35.9	35.9	35.0	
18	31.5	33.1	34.0	32.9	33.1	33.0	33.3	32.8	31.9	31.5	32.3	32.8	33.7	34.7	34.6	33.7	
19 **	31.9	32.3	32.0	32.2	31.7	32.0	32.0	32.0	31.7	31.7	32.8	34.0	34.7	35.2	35.5	35.3	
20	32.1	32.6	32.9	33.2	33.4	33.1	32.9	32.5	31.9	31.9	32.1	33.4	34.2	34.8	33.9	33.4	
21	31.4	32.5	33.0	33.4	33.6	33.8	33.6	32.6	31.7	31.6	32.4	32.9	33.9	34.2	33.9	33.9	
22	32.2	32.1	33.2	33.6	33.6	33.5	32.6	32.0	31.4	31.4	31.9	33.0	34.8	34.9	33.9	33.7	
23	31.7	32.5	32.7	32.9	33.4	33.7	33.8	32.9	32.4	32.5	32.3	33.3	35.1	35.1	33.9	34.0	
24	32.2	32.6	32.9	33.1	33.4	33.3	32.6	32.2	31.8	31.9	32.9	34.2	35.3	35.1	33.9	33.1	
25	32.2	32.5	32.7	32.9	33.0	33.1	32.9	32.6	32.4	32.9	33.4	33.9	35.1	35.2	34.2	33.9	
26	29.2	31.3	31.6	32.2	32.3	32.7	32.6	32.3	31.9	32.1	33.4	34.5	35.2	35.3	33.9	33.6	
27 *	32.2	32.0	32.1	32.2	32.4	32.7	32.6	32.7	32.5	32.8	33.7	34.3	34.9	34.6	33.4	32.9	
28	32.1	31.9	32.0	31.6	32.1	32.3	32.1	32.1	31.6	31.5	32.6	33.6	34.9	34.9	33.9	33.2	
29	32.5	32.7	32.4	32.2	32.8	32.4	31.9	32.6	31.9	31.6	33.2	34.7	34.5	35.1	34.9	34.2	
30 *	32.0	31.1	32.1	32.4	32.1	31.9	31.8	31.8	31.7	31.9	33.3	34.4	34.9	35.1	34.1	33.4	
31 *	32.3	32.7	32.8	32.6	32.9	32.6	32.3	31.7	31.1	31.4	32.9	34.4	35.2	35.4	34.5	33.5	
Mean	32.1	32.7	32.7	32.9	33.1	33.1	32.9	32.6	32.2	32.2	32.9	34.0	35.0	35.3	34.8	34.1	
Mean *	32.2	32.2	32.5	32.7	32.8	32.7	32.6	32.3	32.0	32.0	33.0	34.0	34.7	34.9	34.2	33.5	
Mean **	32.1	33.3	32.5	33.1	33.5	33.2	32.9	32.9	32.7	32.5	33.0	34.0	35.3	35.9	36.2	35.2	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
9° + Tabular Quantities															NOVEMBER
′	′	′	′	′	′	′	′	′	′	h m	′	h m	′		
36.2	34.8	35.0	33.4	33.1	32.8	26.5	25.7	33.4		13 52	38.2	23 00	20.0†	18.2	1 **
34.3	33.6	33.3	32.8	32.6	32.4	32.2	30.8	32.9		12 00	36.9	01 31	26.7	10.2	2 **
33.3	33.6	33.0	32.7	32.5	32.6	32.8	33.1	33.0		12 37	37.0	00 38	30.5	6.5	3
34.5	34.1	33.2	32.9	32.6	32.4	31.7	31.2	33.8		13 16	39.9	23 38	29.7	10.2	4
34.6	33.9	33.0	26.4	29.9	31.7	31.6	32.1	32.8		11 59	37.5	19 32	23.7	13.8	5
34.5	33.6	32.9	32.2	31.3	31.6	32.4	32.6	33.3		13 16	37.5	20 02	30.0	7.5	6
34.0	33.7	33.5	33.2	32.9	32.6	32.4	31.7	33.4		12 41	36.2	23 42	30.8	5.4	7 *
34.2	34.3	33.8	29.4	28.8	30.2	31.1	31.7	33.0		12 27	36.5	19 58	25.2	11.3	8
35.4	30.6	32.1	30.6	28.8	30.3	29.2	30.7	33.0		04 45	38.5	20 06	26.9	11.6	9 **
34.2	34.1	33.2	31.3	30.8	31.4	31.8	32.3	33.3		02 36	39.3	00 00	28.4	10.9	10
33.9	34.0	33.8	33.0	33.3	32.9	32.6	32.6	33.6		12 37	37.5	08 33	31.1	6.4	11
33.3	34.1	33.8	32.8	30.2	28.9	31.6	32.2	33.0		13 36	35.9	20 57	27.2	8.7	12
33.7	32.9	33.2	32.8	32.5	32.4	32.4	32.6	33.5		13 05	36.4	16 57	31.6	4.8	13
33.8	33.7	33.1	32.8	32.9	32.9	33.0	33.0	33.5		12 26	37.1	08 10	31.7	5.4	14 *
37.0	38.9	33.7	33.5	33.0	32.7	31.3	26.6	34.4		15 14	43.4†	23 10	21.3	22.1	15 **
35.5	34.3	33.4	32.6	29.9	30.7	31.7	32.3	33.5		13 44	36.9	20 37	29.0	7.9	16
34.3	33.4	33.4	32.7	32.6	32.5	32.5	32.7	33.1		12 12	36.5	00 44	29.8	6.7	17
34.2	33.3	32.4	32.9	32.7	32.3	32.2	31.0	33.1		13 24	35.8	23 30	30.0	5.8	18
33.6	33.4	32.9	32.8	32.5	32.4	32.1	32.4	33.0		12 55	35.4	00 00	30.8	4.6	19 *
33.7	33.3	32.8	32.5	32.3	32.2	32.0	32.5	32.9		12 46	35.7	22 45	31.5	4.2	20
33.6	33.3	32.7	32.5	32.2	31.9	32.3	32.4	33.2		12 33	35.3	09 19	31.8	3.5	21
34.8	34.8	34.4	33.2	32.4	29.7	27.5	29.9	33.1		11 18	36.0	22 03	25.7	10.3	22
38.4	36.2	33.9	32.3	31.6	31.2	31.0	30.9	34.4		15 26	41.5	03 52	30.1	11.4	23 **
33.9	33.5	33.3	33.1	32.6	32.4	32.2	32.1	32.9		12 36	34.5	00 07	30.6	3.9	24 *
34.1	33.9	33.9	33.9	33.5	33.0	32.8	32.8	33.4		13 18	34.7	00 00	32.0	2.7	25 *
39.3	35.3	33.1	33.0	32.5	30.3	29.5	31.0	33.9		16 15	40.8	22 05	27.9	12.9	26
33.6	33.5	33.9	34.3	31.8	32.7	32.4	32.4	33.0		19 37	34.9	20 37	31.0	3.9	27
34.9	30.5	30.8	32.8	31.6	32.2	32.1	32.6	32.7		13 12	35.9	17 54	26.4	9.5	28
33.8	33.8	33.5	33.4	32.9	32.9	32.9	31.4	33.3		12 40	35.5	24 00	23.9	11.6	29
33.7	33.1	32.9	32.8	32.6	32.1	31.5	30.0	33.1		05 42	36.7	00 13	21.9	14.8	30
34.6	33.8	33.3	32.5	32.0	31.9	31.6	31.5	33.3		-	37.1	-	28.2	8.9	Mean
33.9	33.6	33.3	33.2	32.9	32.7	32.5	32.4	33.2		-	35.6	-	31.2	4.4	Mean *
36.3	34.8	33.6	32.5	31.8	31.9	30.0	28.9	33.6		-	39.7	-	25.0	14.7	Mean **
9° + Tabular Quantities															DECEMBER
34.1	33.4	32.7	32.4	31.1	31.8	32.3	32.4	33.4		12 46	36.9	20 40	30.4	6.5	1
33.7	33.4	33.7	33.0	32.7	32.4	31.7	32.4	33.2		13 30	36.1	22 36	30.9	5.2	2
34.1	34.1	33.4	30.6	31.6	31.9	32.4	32.5	33.1		12 50	38.4	19 47	28.3	10.1	3
34.7	32.7	32.9	32.9	32.1	32.1	32.1	32.0	33.2		12 56	36.8	17 46	31.3	5.5	4
33.8	33.3	32.9	32.5	32.5	32.4	32.2	32.5	33.0		13 43	35.4	09 20	31.5	3.9	5 *
34.1	34.1	33.3	32.7	30.9	31.8	31.8	32.3	33.3		13 12	35.9	20 38	28.4	7.5	6
36.2	36.1	32.9	32.9	31.6	28.5	25.2	29.6	33.3		14 17	37.5	22 26	23.9†	13.6	7 **
34.2	33.6	33.0	32.1	31.9	32.0	32.0	31.9	33.2		13 15	36.3	09 08	30.9	5.4	8
34.0	34.1	33.5	32.9	32.2	31.7	32.9	30.5	33.3		12 46	35.8	23 12	29.9	5.9	9
33.2	33.1	33.0	32.5	32.4	32.4	32.1	32.3	33.0		13 02	35.1	00 03	31.3	3.8	10
33.7	33.2	33.0	33.0	32.4	31.9	32.2	32.4	33.1		13 11	35.1	21 29	31.4	3.7	11
33.6	33.4	33.2	33.1	33.0	32.0	31.8	31.6	33.1		13 15	34.9	23 06	30.9	4.0	12 *
35.0	35.8	34.9	31.6	30.9	32.5	32.1	32.0	33.5		13 54	36.7	20 27	29.2	7.5	13 **
33.8	31.3	32.2	32.7	30.8	29.3	30.3	31.1	33.1		12 33	36.9	21 24	28.6	8.3	14
32.7	32.7	32.4	31.9	32.7	32.5	32.0	32.0	32.9		05 30	36.3	00 37	31.0	5.3	15
33.8	33.3	33.2	32.9	32.5	31.0	29.3	29.2	33.2		14 08	41.6†	23 42	28.4	13.2	16 **
33.8	32.6	30.6	29.2	31.3	30.0	29.8	29.5	32.7		01 30	40.0	19 08	27.3	12.7	17 **
33.1	32.9	33.1	32.8	32.2	31.8	31.5	31.5	32.8		14 20	34.9	00 00	29.6	5.3	18
33.4	34.4	32.8	27.9	30.6	29.8	31.1	31.7	32.4		14 45	36.1	19 28	24.8	11.3	19 **
33.4	33.3	31.7	32.4	32.3	32.1	31.3	29.9	32.7		13 18	35.2	23 02	28.9	6.3	20
33.9	34.1	33.0	32.5	32.0	31.8	31.8	31.9	32.9		13 50	34.8	00 10	30.7	4.1	21
33.9	33.8	33.2	32.8	32.3	31.9	31.6	31.1	32.9		13 25	35.3	23 38	30.6	4.7	22
34.0	33.8	33.4	32.8	32.3	31.5	30.9	31.8	33.0		13 03	35.7	21 52	30.0	5.7	23
33.1	33.5	33.3	32.9	31.7	31.9	32.0	32.1	33.0		12 47	35.9	21 00	30.4	5.5	24
33.9	34.0	34.5	34.0	32.6	32.2	28.9	29.5	33.0		12 50	35.6	21 57	26.9	8.7	25
33.7	33.3	33.5	32.9	32.8	32.2	32.6	32.0	32.8		13 00	35.8	00 00	27.0	8.8	26
32.8	32.8	32.8	32.6	32.7	32.5	32.3	32.1	32.9		12 37	35.4	23 44	31.4	4.0	27 *
33.1	33.1	33.0	30.7	31.8	32.8	32.8	32.6	32.6		13 14	35.4	19 25	29.0	6.4	28
33.9	33.4	33.2	32.4	32.2	32.0	32.0	32.0	32.9		13 02	35.7	09 05	30.7	5.0	29
33.0	32.9	32.7	32.4	32.1	32.0	32.0	32.0	32.6		13 38	35.6	01 20	30.9	4.7	30 *
32.8	32.8	32.6	31.9	31.7	31.9	31.9	32.2	32.8		12 46	35.8	09 00	30.8	5.0	31 *
33.8	33.5	33.0	32.3	32.0	31.7	31.4	31.6	33.0		-	36.2	-	29.5	6.7	Mean
33.2	33.0	32.8	32.5	32.4	32.2	32.0	32.1	32.9		-	35.4	-	31.1	4.3	Mean *
34.4	34.4	32.9	30.9	31.4	30.4	29.5	30.4	33.0		-	38.4	-	36.7	11.7	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JANUARY	18000 γ + Tabular Quantities (in γ)																
1	820	817	817	820	823	826	827	834	838	840	838	840	846	841	840	831
2 **	827	828	831	831	834	869	841	823	812	755	757	770	772	794	790	781
3 **	812	804	807	809	808	802	808	806	805	800	790	790	792	801	803	810
4	816	805	804	814	807	812	813	814	810	811	812	814	809	812	811	802
5	814	815	814	810	812	813	822	812	812	816	813	809	810	810	810	816
6	814	813	816	817	819	821	822	821	818	809	800	804	808	814	815	818
7	818	819	820	820	824	822	824	827	824	815	811	803	802	800	813	818
8	815	817	817	818	820	825	828	826	827	819	810	803	808	812	822	827
9	804	815	822	822	818	829	832	833	828	822	822	818	818	821	826	810
10 **	820	834	810	816	826	830	836	829	821	816	809	798	801	815	817	808
11	818	822	813	818	819	823	824	826	823	817	815	809	809	814	818	819
12	831	820	820	819	821	824	826	825	823	820	818	817	815	816	817	818
13	818	819	821	833	825	828	828	830	832	824	816	812	810	818	825	828
14 *	823	822	823	824	825	826	830	832	829	822	814	816	824	826	826	828
15 *	824	824	824	824	826	828	831	833	832	830	828	830	832	832	832	831
16 **	830	835	829	838	840	852	842	834	845	830	796	779	794	808	806	774
17	816	813	804	814	818	823	829	814	811	816	804	793	805	808	807	818
18	818	819	823	817	824	824	826	829	826	823	816	810	813	818	821	825
19	824	822	824	826	826	828	828	832	832	824	818	820	827	827	816	818
20	833	818	822	822	827	829	828	826	827	819	808	806	806	817	820	820
21 *	825	823	829	824	825	826	828	828	827	824	822	817	818	822	825	829
22 *	831	831	840	834	833	835	838	837	833	827	819	815	813	818	823	826
23	830	829	832	835	835	836	838	837	835	831	830	840	841	842	838	838
24	828	824	824	836	838	839	843	836	838	834	824	815	809	812	814	828
25	834	824	826	829	830	830	833	836	828	823	821	816	817	824	828	831
26	814	818	827	823	823	826	827	829	827	820	814	811	808	805	818	823
27 *	822	826	826	826	827	830	832	834	833	828	821	817	816	818	821	825
28	833	833	831	830	832	834	843	845	846	834	824	821	818	818	819	828
29	822	821	827	822	824	828	837	847	836	825	819	818	782	783	803	802
30	822	823	839	821	825	825	825	829	827	821	815	816	814	810	819	822
31 **	825	824	825	829	833	836	839	842	841	828	787	779	800	823	821	811
Mean	822	821	822	823	825	828	830	829	827	820	813	810	811	815	818	818
Mean *	825	825	828	826	827	829	832	833	831	826	821	819	821	823	825	828
Mean **	823	825	820	825	828	838	833	827	825	806	788	783	792	808	807	797
FEBRUARY	18000 γ + Tabular Quantities (in γ)																
1	816	820	814	817	815	825	827	827	823	815	813	817	819	827	829	826
2	835	820	821	821	825	827	826	827	831	825	817	817	819	818	813	813
3 *	827	827	826	827	829	830	831	832	829	826	827	827	829	830	827	828
4	831	832	833	831	836	836	838	835	822	817	822	821	819	809	801	815
5	827	826	825	829	829	825	832	835	835	830	821	820	820	822	827	834
6 **	812	827	827	825	824	828	811	825	829	809	812	819	802	819	812	809
7	820	821	822	832	833	830	831	830	829	809	807	812	810	817	822	822
8 **	812	825	827	824	826	825	827	831	831	823	819	812	809	813	819	822
9	801	805	809	816	820	823	824	831	828	814	809	805	799	804	809	820
10	832	822	819	823	825	825	832	832	832	822	815	809	808	811	818	829
11 *	822	820	822	823	825	827	831	832	835	831	822	817	815	820	825	831
12	825	825	826	829	830	832	847	860	854	850	827	819	820	821	804	821
13 **	832	827	829	830	838	839	825	827	834	829	807	777	797	799	802	792
14	818	818	819	822	831	827	827	832	822	817	810	802	808	819	819	815
15	819	821	822	826	828	830	832	831	832	833	831	826	818	807	815	822
16 *	829	831	831	830	832	834	839	839	840	835	827	814	822	825	826	822
17	831	829	832	835	835	837	841	843	839	830	816	810	815	821	820	824
18 *	832	832	832	832	832	834	835	840	835	824	813	814	823	827	828	820
19 *	832	832	832	835	831	832	835	835	832	828	823	820	821	825	828	830
20	835	835	836	836	836	837	844	848	842	838	837	836	837	846	852	838
21	790	811	816	814	817	819	822	827	816	807	807	801	790	798	803	810
22	822	823	825	826	825	827	829	829	824	822	819	814	808	806	805	825
23	825	826	826	828	828	830	833	832	835	829	823	819	818	819	819	823
24	828	830	830	833	837	836	838	843	839	833	829	817	807	814	822	826
25 **	834	836	841	843	839	842	849	851	847	836	813	815	821	819	825	835
26 **	822	824	829	813	835	827	825	827	823	816	799	775	779	802	813	821
27	816	825	825	817	822	826	827	831	827	818	812	810	811	819	821	825
28	831	841	840	835	825	825	831	828	824	815	795	802	807	807	817	824
29	827	827	828	831	835	826	825	835	823	815	803	803	809	817	826	827
Mean	824	825	826	827	829	830	832	834	831	824	816	812	812	817	819	822
Mean *	828	828	829	829	830	831	834	836	834	829	822	818	822	825	827	826
Mean **	822	828	831	827	832	832	827	832	833	823	810	800	802	810	814	816

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
18000 γ + Tabular Quantities (in γ)															JANUARY
										h m		h m		γ	
828	836	839	833	832	837	834	829	832		11 59	850	02 09	815	35	1
753	758	768	800	801	784	803	806	800		06 04	886†	09 31	712†	174	2 **
798	801	803	816	816	812	809	831	806		23 07	850	16 50	782	68	3 **
812	809	804	810	802	806	830	812	810		22 23	842	15 01	790	52	4
815	815	816	823	818	813	811	812	814		18 57	834	14 05	803	31	5
817	817	816	817	819	821	820	819	816		07 04	824	10 16	799	25	6
818	816	806	808	813	817	818	817	816		07 44	830	13 38	794	36	7
831	832	828	822	826	816	811	809	820		16 52	834	24 00	796	38	8
802	817	811	828	815	801	804	796	817		19 32	851	23 14	789	62	9
805	816	817	817	814	814	813	823	817		01 05	861	16 14	789	72	10 **
823	825	822	819	810	812	817	818	818		07 54	830	12 06	804	26	11
823	824	825	823	818	818	818	818	821		00 43	837	20 53	812	25	12
828	829	828	828	825	820	823	823	824		03 23	840	11 58	810	30	13
828	828	829	827	828	828	827	825	825		07 25	832	10 45	812	20	14 *
830	830	833	832	833	831	830	828	830		20 28	835	02 05	824	11	15 *
768	784	820	806	811	815	820	817	816		05 41	855	15 56	751	104	16 **
820	822	820	816	817	818	821	818	814		06 21	832	11 45	784	48	17
824	820	815	820	823	822	822	824	821		07 37	832	18 35	809	23	18
820	814	811	820	816	823	824	823	823		07 58	834	18 04	806	28	19
826	824	826	825	824	825	825	825	822		00 12	840	12 32	803	37	20
830	829	830	832	833	831	828	830	826		20 22	834	11 37	814	20	21 *
819	818	823	826	827	828	830	831	827		02 32	844	12 33	811	33	22 *
831	824	833	833	833	831	830	828	834		13 44	844	17 05	821	23	23
823	815	813	818	818	820	816	822	824		24 00	849	14 06	804	45	24
834	831	831	823	816	799	793	808	824		00 06	862	21 49	771	91	25
825	826	823	828	816	818	824	823	821		02 43	833	13 27	801	32	26
828	829	830	829	832	834	831	830	827		21 16	841	12 31	815	26	27 *
830	831	831	834	841	826	840	824	831		07 49	850	12 29	814	36	28
792	806	818	819	814	818	819	817	817		07 22	855	12 58	774	81	29
818	826	828	831	830	830	829	827	824		02 18	851	13 44	802	49	30
813	802	829	796	800	816	842	828	820		22 19	855	11 31	772	83	31 **
817	818	820	821	820	819	821	821	820		-	843	-	796	47.2	Mean
827	827	829	829	831	830	829	829	827		-	837	-	815	22.0	Mean *
787	792	807	807	808	808	817	821	811		-	861	-	761	100.2	Mean **
18000 γ + Tabular Quantities (in γ)															FEBRUARY
817	813	811	811	833	838	820	826	821		21 31	852	19 06	806	46	1
811	820	827	829	828	828	828	827	823		00 04	849	15 52	805	44	2
827	828	829	831	829	828	827	829	828		19 24	833	14 27	823	10	3 *
822	825	827	829	826	819	825	825	825		06 47	843	14 18	793	50	4
834	835	834	840	835	816	809	797	827		19 52	845	22 48	792	53	5
808	817	812	826	826	815	836	819	819		22 35	853	12 34	791	62	6 **
805	792	808	813	813	817	825	825	819		22 54	849	17 05	776	73	7
812	811	812	812	813	808	794	804	817		20 56	841	22 32	772	69	8 **
822	827	831	822	819	819	819	826	817		17 45	839	00 40	797	42	9
827	827	829	832	829	827	817	815	823		00 14	839	12 05	804	35	10
831	832	833	833	832	831	826	824	827		08 23	835	12 15	812	23	11 *
820	812	829	829	828	829	826	827	829		07 44	865	14 34	794	71	12
797	781	793	789	795	814	823	815	812		05 21	846	11 35	762†	84	13 **
823	824	825	822	825	825	816	827	821		07 23	837	11 50	797	40	14
827	830	822	821	828	830	830	829	825		10 14	835	13 27	804	31	15
819	827	830	828	822	823	826	827	828		08 28	842	11 29	809	33	16 *
826	815	814	821	823	832	834	833	827		07 09	844	17 52	804	40	17
819	811	814	824	823	827	830	832	826		07 30	842	17 47	805	37	18 *
831	831	832	833	834	835	835	835	831		03 07	837	11 31	819	18	19 *
822	825	812	818	829	822	809	789	832		14 42	862	23 30	771	91	20
812	816	832	827	825	823	823	822	814		18 25	841	12 18	784	57	21
826	823	826	826	823	825	823	826	822		06 23	830	14 09	799	31	22
825	817	817	828	829	830	828	828	826		08 12	836	17 52	804	32	23
830	831	830	830	830	827	823	831	829		07 49	844	11 46	805	39	24
832	797	784	820	811	810	817	819	826		19 23	880†	19 05	763	117	25 **
830	831	832	833	833	829	826	823	819		04 49	843	12 09	770	73	26 **
825	815	821	818	835	842	831	829	823		20 50	853	17 54	802	51	27
829	824	830	826	832	833	832	829	824		01 48	855	10 25	791	64	28
828	826	827	833	831	841	832	837	826		23 03	850	11 14	800	50	29
822	819	821	824	825	826	824	823	824		-	846	-	795	50.6	Mean
825	826	828	830	828	829	829	829	828		-	838	-	814	24.2	Mean *
816	807	807	816	816	815	819	816	819		-	853	-	772	81.0	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MARCH	18000 γ + Tabular Quantities (in γ)																
1	833	829	829	829	830	833	834	834	830	823	816	816	820	830	831	835	
2 *	836	835	834	835	836	837	838	839	832	825	816	812	817	826	833	836	
3	843	839	837	836	836	837	839	844	842	830	820	829	835	844	847	843	
4 **	835	838	864	821	821	834	822	825	818	815	811	787	792	795	812	810	
5 **	803	802	806	812	812	813	815	802	805	815	817	817	800	809	807	812	
6	823	816	810	812	818	817	820	823	817	805	806	817	815	816	812	811	
7	834	835	827	821	822	820	823	826	826	819	821	820	825	831	823	829	
8	836	816	828	837	822	823	820	825	809	811	811	815	816	829	820	829	
9	826	821	820	822	835	831	831	818	826	816	814	814	815	817	823	825	
10	826	826	826	827	827	829	831	830	826	822	818	815	818	824	826	834	
11	829	830	829	828	837	841	834	836	828	810	810	814	816	815	814	825	
12	836	834	844	863	845	820	822	824	825	807	814	814	808	813	812	809	
13	827	828	828	833	835	836	838	837	830	823	815	806	821	832	836	837	
14	831	837	830	828	827	830	834	838	827	822	812	811	816	826	830	824	
15	831	836	831	831	837	832	833	837	832	824	817	815	824	831	831	816	
16	845	837	825	824	829	832	834	836	833	828	820	820	826	834	841	838	
17	845	843	833	838	838	840	848	836	839	838	823	805	815	826	826	818	
18 *	835	833	833	834	835	837	841	840	836	824	810	806	810	810	816	824	
19 *	840	838	838	837	841	844	847	847	841	836	832	831	828	829	828	828	
20	846	844	845	845	841	841	845	846	846	846	835	830	824	825	829	826	
21	855	856	842	839	848	846	839	833	832	826	822	819	822	831	836	835	
22 **	841	833	835	840	841	845	849	847	846	836	831	827	833	841	826	796	
23 **	823	816	821	814	812	830	833	826	816	810	752	783	806	816	817	818	
24	836	830	832	834	842	832	838	820	821	810	801	802	796	796	808	807	
25	834	826	846	828	826	830	826	820	825	821	813	815	825	827	(829)	(832)	
26	832	831	831	824	831	843	833	820	819	(808)	802	802	806	814	828	829	
27	832	831	831	831	834	835	836	832	828	821	817	819	824	825	825	830	
28 *	836	834	834	835	836	838	838	835	828	820	814	811	816	820	824	834	
29	841	839	839	839	841	844	846	844	836	824	813	807	813	821	826	831	
30 **	848	846	845	833	830	856	834	838	831	830	824	821	818	813	824	816	
31 *	821	821	820	820	821	821	821	819	813	806	804	804	815	821	826	829	
Mean	834	832	832	831	832	834	834	832	828	821	814	813	817	822	825	825	
Mean *	834	832	832	832	834	835	837	836	830	822	815	813	817	821	825	830	
Mean **	830	827	834	824	823	836	831	828	823	821	807	807	810	815	817	810	
APRIL	18000 γ + Tabular Quantities (in γ)																
1 **	836	834	834	836	840	841	839	836	831	824	824	825	825	829	836	836	
2 **	797	793	794	799	798	800	814	811	798	779	776	772	784	796	799	813	
3	833	820	811	815	816	824	822	816	805	791	784	784	779	792	799	814	
4	835	835	820	830	828	826	832	816	803	795	795	799	804	813	821	821	
5	824	824	827	828	828	833	831	826	817	807	800	814	824	828	831	833	
6	826	828	829	830	831	832	828	823	813	803	798	804	809	815	822	832	
7	847	835	831	836	836	836	832	819	819	815	813	814	816	821	821	829	
8	834	841	836	836	836	836	834	829	823	801	777	791	808	830	831	826	
9	841	846	841	844	829	835	841	836	828	818	805	809	817	830	835	832	
10	837	838	837	837	838	838	840	836	830	820	805	804	818	824	828	832	
11	845	843	843	844	846	847	847	847	844	829	818	816	812	802	832	820	
12 *	833	833	832	834	834	834	828	827	823	821	821	821	820	823	830	832	
13	841	841	841	838	837	840	842	838	833	829	822	818	820	826	830	835	
14 *	849	845	841	841	843	844	843	839	832	825	811	804	813	827	831	836	
15	845	845	845	845	845	846	847	843	834	822	814	805	810	819	836	842	
16	844	831	826	834	839	833	832	827	826	823	816	815	814	813	830	835	
17	858	852	872	850	847	844	845	860	846	838	825	812	813	817	820	806	
18	837	838	836	835	836	840	849	850	841	837	828	812	800	833	830	835	
19 **	841	844	843	831	825	833	837	835	829	805	813	819	813	816	823	825	
20	835	828	833	835	836	835	832	826	808	821	816	815	822	829	831	837	
21	825	826	826	832	834	835	835	833	825	815	808	810	817	822	825	841	
22 *	834	834	835	835	835	835	836	837	833	823	816	821	824	829	835	838	
23 *	838	841	845	841	840	844	848	847	837	830	825	826	833	836	839	841	
24 *	846	846	845	844	843	845	846	841	835	827	824	831	835	840	841	842	
25	846	849	841	841	842	845	846	849	841	827	830	817	812	830	834	835	
26	844	845	850	845	832	845	844	829	823	820	810	807	810	815	823	829	
27 **	851	845	846	845	845	843	834	835	838	832	827	823	839	831	833	841	
28 **	810	842	866	829	832	812	831	822	789	780	779	785	796	796	810	813	
29	850	858	839	833	830	824	832	831	824	811	804	803	807	818	815	825	
30	840	837	833	832	831	832	834	832	829	826	824	828	829	829	835	840	
Mean	837	837	837	835	834	835	837	833	825	816	810	810	814	821	827	831	
Mean *	840	840	840	839	839	840	840	838	832	825	819	821	825	831	835	838	
Mean **	827	832	837	828	828	826	831	828	817	804	804	805	809	814	820	826	

* International Quiet Day. ** International Disturbed Day.

Normal Run Breakdown. Figures in brackets supplied from Wide Range Record.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
18000 γ + Tabular Quantities (in γ)															MARCH
										h m		h m		γ	
832	832	831	832	833	836	837	836	830		00 06	840	10 44	813	27	1
834	833	834	836	838	839	839	845	833		23 50	848	11 20	811	37	2 *
842	838	841	844	834	844	845	831	838		22 04	871	10 08	818	53	3
807	796	801	775	781	822	823	815	813		02 09	878	17 23	750	128	4 **
813	811	813	813	835	833	802	817	812		21 01	870	01 19	765	105	5 **
818	812	827	827	826	825	827	833	818		00 00	845	15 44	790	55	6
826	822	818	831	816	816	821	828	824		01 01	855	19 46	805	50	7
828	826	828	824	829	824	845	828	824		22 02	865	08 53	798	67	8
824	826	826	827	827	826	828	827	824		04 35	841	10 14	810	31	9
832	818	819	826	826	826	826	829	825		19 57	849	11 22	813	36	10
832	834	833	835	835	834	835	836	828		07 32	843	09 50	806	37	11
818	823	825	825	828	829	831	827	825		03 20	872	09 38	803	69	12
836	834	831	832	830	826	832	830	830		07 01	841	11 44	799	42	13
825	826	816	819	808	818	828	833	825		07 42	842	19 58	804	38	14
825	823	824	834	831	831	835	840	829		19 25	843	15 15	811	32	15
840	843	845	850	850	846	845	846	836		20 52	856	10 56	816	40	16
819	823	829	837	838	839	839	837	832		06 35	854	11 11	799	55	17
828	832	837	837	840	844	842	841	830		21 04	845	11 20	803	42	18 *
828	833	837	841	842	846	847	848	838		07 48	850	16 00	823	27	19 *
828	832	841	826	836	842	844	843	838		08 51	850	13 11	818	32	20
836	844	851	847	829	830	830	841	837		00 49	884†	11 13	817	67	21
822	826	831	806	816	808	838	833	831		22 59	868	15 00	783	85	22 **
814	828	824	843	827	836	846	843	819		19 15	856	10 32	729†	127	23 **
814	824	826	828	831	832	832	831	822		17 44	859	12 56	780	79	24
(830)	(830)	834	(848)	(840)	834	849	833	830		22 12	859	10 44	808	51	25
830	829	831	835	835	833	832	833	825		05 26	850	11 00	797	53	26
831	835	838	840	839	839	837	837	831		21 34	842	10 46	816	26	27
836	837	839	841	844	845	844	841	832		21 32	845	11 28	810	35	28 *
836	839	841	849	852	850	847	850	836		21 35	858	11 14	806	52	29
805	790	801	816	822	836	829	824	826		05 11	869	17 06	760	109	30 **
831	831	835	836	836	836	836	836	823		22 29	839	11 20	799	40	31 *
826	827	829	831	831	833	835	835	828		-	854	-	799	55.7	Mean
831	833	836	838	840	842	842	842	831		-	845	-	809	36.2	Mean *
812	810	814	811	816	827	828	826	820		-	868	-	757	110.8	Mean **
18000 γ + Tabular Quantities (in γ)															APRIL
845	812	777	787	755	755	805	786	819		16 23	856	23 57	721†	135	1 **
825	844	812	818	834	826	816	837	806		20 42	885	00 00	739	146	2 **
821	834	830	833	833	831	832	850	815		23 46	861	11 54	775	86	3
822	820	828	834	835	838	834	826	821		01 10	852	09 53	794	58	4
834	840	840	840	834	848	840	830	828		21 51	859	10 11	796	63	5
840	844	841	843	837	838	838	854	827		23 48	864	10 22	797	67	6
836	845	849	843	831	840	842	845	831		00 13	854	07 57	807	47	7
826	832	840	842	841	845	843	839	828		20 58	846	10 30	770	76	8
831	833	833	837	839	839	839	839	832		01 30	849	10 29	803	46	9
836	836	838	845	847	846	846	848	834		23 46	849	10 53	793	56	10
826	834	818	833	840	839	835	835	833		07 03	850	13 11	795	55	11
835	837	841	847	851	851	846	840	833		21 28	854	10 17	818	36	12 *
842	846	848	854	855	857	855	851	839		21 26	863	11 29	817	46	13
840	842	844	846	849	848	846	845	837		00 02	850	11 11	801	49	14 *
838	840	843	846	847	847	850	881	839		23 11	894†	11 11	795	99	15
837	835	840	843	847	850	854	852	833		00 00	857	12 55	803	54	16
828	840	835	837	842	841	839	836	838		02 29	879	15 40	796	83	17
817	829	832	831	838	843	847	855	835		22 58	870	12 05	787	83	18
825	839	843	843	841	845	831	832	830		21 03	862	09 32	785	77	19 **
835	835	847	842	842	848	862	857	834		22 44	876	08 13	794	82	20
842	844	840	839	841	833	835	835	830		20 43	856	10 31	805	51	21
842	845	845	844	844	844	843	843	835		18 52	847	10 18	814	33	22 *
844	848	850	849	851	850	846	845	841		18 24	853	10 40	824	29	23 *
840	848	852	853	855	856	853	852	843		20 23	862	09 53	822	40	24 *
837	838	852	844	844	855	841	853	840		23 27	867	12 48	805	62	25
835	844	844	846	846	846	847	851	835		02 22	856	11 10	805	51	26
835	824	819	833	852	835	835	833	836		20 04	873	16 50	795	78	27 **
826	833	839	840	834	838	853	856	821		02 27	885	09 51	757	128	28 **
825	835	849	843	840	837	835	840	830		01 34	887	11 46	799	88	29
847	842	842	849	838	822	832	833	834		16 54	862	21 44	804	58	30
834	837	837	839	839	840	841	843	831		-	863	-	794	68.7	Mean
840	844	846	848	850	850	847	845	838		-	853	-	816	37.4	Mean *
831	830	818	824	823	820	828	829	822		-	872	-	759	112.8	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

Normal Run Breakdown. Figures in brackets supplied from Wide Range Record.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MAY	18000 γ + Tabular Quantities (in γ)																
1 **	855	817	827	816	810	810	811	801	805	807	805	794	812	817	825	827	
2	834	833	827	832	829	830	811	802	817	819	817	815	819	824	823	829	
3	846	834	839	835	831	829	825	819	813	812	815	820	825	827	829	830	
4	840	838	839	836	835	835	832	834	832	830	830	832	835	836	837	842	
5	860	858	857	858	855	854	837	838	833	831	825	834	841	844	837	837	
6	840	841	841	840	841	843	843	837	838	837	833	832	832	830	832	840	
7 *	843	843	843	845	844	841	842	841	837	838	839	838	835	837	835	835	
8 *	843	843	843	842	842	841	841	841	841	843	845	846	849	848	844	841	
9 *	850	850	849	849	849	848	847	847	849	849	846	845	847	849	843	845	
10	853	860	864	858	860	861	862	863	854	843	848	853	854	847	833	850	
11	797	812	821	834	833	799	804	804	817	824	819	812	807	806	810	815	
12 *	836	835	833	833	833	835	837	835	831	828	830	830	834	836	835	840	
13	841	838	838	839	840	842	840	834	826	825	826	829	839	847	845	821	
14 **	847	843	838	843	844	838	828	829	808	816	832	836	835	822	846	817	
15 **	845	839	845	830	833	843	818	820	822	814	811	810	810	812	823	817	
16	852	848	833	836	832	839	839	824	782	798	812	824	826	824	837	841	
17	845	845	840	838	840	839	829	824	820	807	823	825	819	828	829	834	
18	841	839	838	839	839	835	832	830	826	826	823	831	834	831	830	832	
19	843	845	845	841	844	843	839	831	820	819	829	836	842	842	841	844	
20 *	839	839	841	844	844	845	837	833	828	828	830	837	845	848	850	847	
21	844	843	845	844	841	837	833	833	835	835	830	832	830	839	843	851	
22	846	846	846	849	850	847	837	831	833	830	822	826	834	841	844	850	
23	855	853	853	847	846	845	840	834	830	830	831	827	828	829	828	836	
24 **	873	856	850	858	870	848	836	816	817	810	821	811	813	809	829	840	
25 **	841	836	836	840	843	845	841	833	812	754	806	826	829	829	827	832	
26	855	833	833	833	835	828	820	818	821	823	827	831	830	827	822	832	
27	848	849	847	843	843	836	819	823	824	820	806	818	827	833	823	831	
28	841	840	842	841	842	843	837	829	819	810	817	828	836	840	846	852	
29	846	844	842	838	840	840	835	832	827	824	823	819	813	821	832	846	
30	844	845	842	843	844	842	843	839	835	834	826	824	822	819	819	830	
31	849	848	845	842	844	844	842	839	838	838	836	833	838	834	839	844	
Mean	845	842	841	841	841	839	833	829	825	823	825	828	830	831	833	836	
Mean *	842	842	842	843	842	842	841	839	837	837	838	839	842	844	841	842	
Mean **	852	838	839	837	840	837	827	820	813	800	815	815	820	818	830	827	
JUNE	18000 γ + Tabular Quantities (in γ)																
1	857	856	854	852	849	849	848	845	839	834	834	839	846	837	841	849	
2	850	848	848	849	848	844	838	833	832	829	825	823	831	832	835	840	
3 *	859	857	854	852	857	856	854	845	836	829	830	831	831	829	842	853	
4	853	853	855	856	855	850	844	839	835	836	841	841	833	834	844	836	
5 *	849	849	849	851	850	851	847	846	847	849	843	840	839	832	832	845	
6 *	852	854	855	857	859	859	853	843	829	818	820	825	835	830	834	842	
7	850	849	849	851	851	848	840	832	826	829	842	850	851	849	846	845	
8	869	854	851	853	857	856	844	834	829	837	844	859	858	852	843	839	
9	853	850	850	849	849	844	846	846	846	844	842	846	841	830	844	834	
10 **	884	889	892	893	893	835	796	812	822	821	798	818	805	817	795	800	
11 **	841	834	845	835	837	839	828	810	811	805	799	807	805	811	805	840	
12 **	843	842	848	844	849	848	830	825	828	827	823	811	808	816	831	840	
13	834	837	836	834	831	830	816	818	821	818	803	808	811	813	821	829	
14	848	846	846	844	838	838	834	826	811	805	807	815	818	821	830	840	
15	857	848	846	842	848	848	839	828	824	825	826	821	819	824	831	841	
16 *	850	848	847	845	847	845	843	841	838	833	829	825	821	820	827	836	
17	845	843	843	844	845	844	841	842	841	834	829	827	827	828	843	848	
18	848	848	847	848	850	853	848	839	830	827	826	827	827	832	836	855	
19	847	845	844	845	845	842	837	836	836	833	830	835	841	839	839	846	
20 **	838	840	839	851	858	848	841	836	836	837	831	832	822	798	837	831	
21 **	857	881	841	842	844	843	842	835	828	811	824	826	828	831	833	837	
22	845	845	844	845	847	848	847	843	838	832	825	823	824	829	837	836	
23	846	843	847	843	843	842	841	841	839	828	823	821	818	833	835	828	
24	847	839	839	843	846	844	838	829	828	827	825	833	842	845	846	848	
25	849	860	850	853	863	854	833	823	812	828	827	823	818	821	828	841	
26	845	844	845	846	843	839	837	835	828	820	821	824	833	835	847	843	
27	845	842	841	842	843	841	837	836	831	829	829	837	838	841	852	839	
28	853	851	851	850	849	851	841	838	832	831	837	848	852	833	844	847	
29	847	847	845	843	842	841	839	836	832	821	827	841	844	842	842	833	
30 *	851	851	850	849	846	848	843	838	835	835	836	839	836	836	842	845	
Mean	850	850	848	848	849	846	839	834	831	828	827	830	830	830	835	840	
Mean *	852	852	851	851	852	852	848	843	837	833	832	832	832	829	835	844	
Mean **	853	857	853	853	856	843	827	824	825	820	815	819	814	815	820	830	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									18000 γ + Tabular Quantities (in γ)						MAY
										h m		h m		γ	
825	828	835	837	838	839	838	845	822		00 52	882	11 34	782	100	1 **
829	834	837	843	838	842	839	837	828		21 26	846	07 18	797	49	2
831	835	841	845	841	842	847	840	831		22 19	853	09 08	808	45	3
845	849	848	841	843	843	846	847	839		23 59	852	10 35	827	25	4
836	839	840	840	843	840	837	837	842		00 48	867	10 41	822	45	5
846	851	850	842	842	844	844	842	840		18 57	855	13 12	826	29	6
836	840	843	843	843	844	843	843	840		03 53	847	12 18	833	14	7 *
844	846	850	850	851	850	850	850	845		22 36	853	08 12	839	14	8 *
845	847	851	853	851	851	849	848	848		19 03	855	15 31	841	14	9 *
816	835	850	830	815	797	789	796	841		02 42	870	22 43	782	88	10
827	832	843	843	838	839	838	840	821		03 54	859	00 17	787	72	11
846	848	849	847	846	845	843	842	838		18 20	849	09 33	826	23	12 *
844	883	873	867	828	842	843	844	841		18 56	907†	15 55	805	102	13
833	843	846	845	850	849	859	851	837		14 51	872	15 34	798	74	14 **
837	844	847	848	841	837	850	836	830		05 18	859	06 33	797	62	15 **
835	847	851	844	852	847	847	846	834		20 04	862	08 37	768	94	16
833	840	847	848	851	846	840	839	835		20 14	854	09 15	803	51	17
840	843	847	849	850	847	847	844	837		20 32	851	10 13	817	34	18
844	855	840	845	846	846	843	840	840		17 48	859	08 57	815	44	19
843	840	846	852	850	849	847	847	842		19 23	855	08 29	826	29	20 *
855	858	850	855	853	852	850	845	843		17 32	867	10 40	825	42	21
854	862	865	863	863	863	861	859	847		18 32	866	10 46	819	47	22
851	857	863	865	865	867	880	886	848		22 59	903	12 02	822	81	23
834	847	844	858	846	842	860	850	839		04 20	888	13 49	799	89	24 **
843	850	854	855	849	838	844	849	834		19 56	893	09 37	733†	160	25 **
839	836	849	851	848	849	848	848	835		00 00	876	14 40	812	64	26
833	841	855	859	851	851	856	853	837		22 56	864	10 31	800	64	27
835	854	864	852	850	852	853	850	841		18 01	868	09 17	807	61	28
850	854	859	854	851	852	854	848	839		18 12	864	12 31	809	55	29
842	850	850	857	855	859	864	872	842		23 00	891	13 58	812	79	30
849	854	853	856	854	853	857	857	845		22 22	858	11 24	831	27	31
839	847	850	850	847	846	847	846	838		-	866	-	809	57.3	Mean
843	844	848	849	848	848	846	846	843		-	852	-	833	18.8	Mean *
834	842	845	849	845	841	850	846	833		-	879	-	782	97.0	Mean **
									18000 γ + Tabular Quantities (in γ)						JUNE
857	859	864	862	864	859	859	853	850		20 36	867	09 59	831	36	1
848	858	866	862	864	861	859	859	845		20 55	868	11 05	817	51	2
857	860	863	859	858	857	858	857	849		18 30	863	12 57	825	38	3 *
846	847	855	859	857	854	851	851	847		00 44	861	15 19	828	33	4
843	852	861	859	858	855	853	852	848		18 22	866	14 18	828	38	5 *
845	852	856	857	857	854	852	849	845		05 01	860	09 44	813	47	6 *
848	853	859	876	872	874	868	869	851		21 43	887	08 30	824	63	7
844	858	866	868	861	860	856	856	852		19 34	873	07 53	826	47	8
827	842	858	865	867	872	879	878	850		22 30	882	15 52	810	72	9
816	828	834	849	844	839	858	844	837		03 54	914†	06 20	774†	140	10 **
829	834	844	849	852	848	856	845	830		02 57	876	14 28	780	96	11 **
844	839	839	847	847	846	847	833	836		17 16	857	12 12	798	59	12 **
837	844	851	854	853	845	853	848	831		17 57	863	10 44	793	70	13
848	848	855	859	855	857	855	854	837		19 33	866	09 56	802	64	14
848	855	856	858	857	853	855	850	842		17 06	863	12 45	817	46	15
846	851	854	853	851	847	847	845	841		00 52	855	12 57	816	39	16 *
853	859	859	858	856	853	851	849	844		17 45	861	13 04	821	40	17
862	861	861	865	858	852	846	844	845		16 56	870	12 36	817	53	18
853	858	857	860	853	847	841	840	844		17 12	863	10 19	822	41	19
844	848	851	868	853	845	848	849	841		19 37	883	13 44	783	100	20 **
838	841	859	872	852	848	848	845	842		01 06	892	09 30	806	86	21 **
845	848	853	857	851	851	854	848	842		19 43	863	15 16	817	46	22
840	848	850	855	858	858	849	845	841		21 03	866	12 20	810	56	23
850	851	863	864	861	857	848	848	844		19 52	870	10 27	823	47	24
846	854	855	854	853	850	849	847	841		04 26	871	08 13	807	64	25
844	842	851	853	854	851	849	847	841		21 39	855	10 00	816	39	26
845	844	852	858	859	863	859	857	844		21 18	866	09 52	826	40	27
856	847	846	852	850	848	845	849	846		16 57	873	18 00	823	50	28
839	855	858	858	856	854	853	853	844		17 54	866	09 13	816	50	29
847	850	855	860	859	859	858	858	847		18 36	863	08 53	831	32	30 *
845	850	855	859	856	854	853	851	843		-	869	-	813	56.1	Mean
848	853	858	858	857	854	854	852	846		-	861	-	823	38.8	Mean *
834	838	845	857	850	845	851	843	837		-	884	-	788	96.2	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JULY	18000 γ + Tabular Quantities (in γ)																
1	855	855	854	850	850	849	845	843	841	838	832	835	843	848	851	850	
2	858	856	855	853	852	851	848	845	847	849	844	840	830	831	844	858	
3 **	874	872	870	861	854	855	856	850	850	842	839	846	846	830	835	850	
4	845	847	838	845	841	832	826	840	840	835	833	839	840	839	838	836	
5	853	846	843	843	844	848	843	840	843	851	846	842	843	841	845	849	
6	847	853	854	846	847	846	850	854	852	842	835	833	838	835	834	846	
7 **	860	856	859	854	863	868	857	850	844	840	841	844	844	832	830	840	
8 **	852	850	844	847	857	848	837	828	828	820	812	804	828	840	855	838	
9	849	858	852	846	842	838	841	843	832	824	828	835	839	840	842	865	
10	853	858	830	835	846	848	840	829	808	798	810	814	824	823	834	846	
11	852	859	846	844	846	852	847	840	837	834	832	830	832	832	842	852	
12	852	854	851	850	851	853	844	836	829	821	814	818	828	838	843	850	
13	853	851	854	848	852	850	843	837	831	812	813	822	822	828	834	840	
14 *	851	847	847	847	847	845	845	844	840	837	832	829	831	829	834	847	
15 *	851	851	850	848	845	844	841	840	842	841	834	836	839	838	838	840	
16	860	858	856	855	855	856	848	844	837	830	836	846	852	839	842	853	
17 **	852	857	856	844	847	848	849	852	851	844	846	846	838	843	830	863	
18 **	857	865	871	846	831	848	829	832	826	826	821	791	820	835	831	827	
19	846	847	836	844	842	841	836	824	838	838	814	829	837	831	836	839	
20	851	848	842	832	837	840	838	829	826	806	812	820	830	828	834	840	
21	846	850	848	844	844	843	841	835	828	822	820	817	817	816	827	841	
22	846	847	847	847	850	850	847	836	822	824	825	829	833	822	820	831	
23	849	845	846	843	844	842	830	827	822	812	814	819	826	829	830	836	
24 *	845	846	846	847	847	849	844	839	834	827	824	826	839	845	844	845	
25	855	854	853	850	849	847	842	838	841	842	843	844	843	849	845	852	
26	857	852	852	852	852	854	852	848	850	844	844	842	840	842	848	849	
27 *	857	855	856	854	855	858	855	852	846	842	837	832	838	840	841	842	
28 *	859	858	857	856	855	853	850	850	851	847	840	837	836	841	842	845	
29	865	864	860	859	862	863	864	857	852	850	848	825	824	833	825	836	
30	868	872	852	852	849	855	846	843	846	842	845	845	836	829	842	852	
31	858	851	848	848	846	844	846	829	830	825	826	829	837	847	847	853	
Mean	854	854	851	848	848	849	845	840	838	832	830	830	835	835	838	846	
Mean *	853	851	851	850	850	850	847	845	843	839	833	832	837	839	840	844	
Mean **	859	860	860	850	850	853	846	842	840	834	832	826	835	836	836	844	
AUGUST	18000 γ + Tabular Quantities (in γ)																
1	858	866	848	844	844	845	841	839	839	839	836	831	837	835	846	859	
2	849	849	847	847	844	843	841	842	847	852	848	844	840	841	841	844	
3	852	852	852	849	852	852	848	844	844	842	837	830	827	841	846	845	
4 **	871	888	917	894	883	858	852	841	826	826	819	804	813	815	811	842	
5 **	847	840	843	842	838	842	845	839	836	829	824	846	834	849	856	835	
6	846	845	841	841	846	825	829	831	834	835	827	827	829	830	831	839	
7	859	853	866	856	864	863	860	851	846	839	836	829	822	829	829	839	
8	848	847	847	847	848	846	846	841	831	824	823	828	832	834	837	841	
9	849	853	845	860	862	849	846	846	841	835	827	832	840	841	839	843	
10 *	851	850	848	847	846	845	847	841	843	836	829	826	826	829	831	836	
11 **	860	879	881	866	853	851	841	843	844	841	837	833	835	841	839	823	
12 **	857	838	843	848	846	847	848	846	822	825	831	836	839	842	830	836	
13	846	846	845	841	841	836	833	835	828	823	827	831	834	836	838	840	
14	855	853	848	844	843	843	840	834	826	818	824	837	844	846	847	846	
15 *	857	853	849	848	845	845	842	837	833	835	842	843	843	844	847	848	
16	854	856	857	858	857	853	843	839	841	840	843	846	852	856	856	854	
17	859	854	850	848	846	847	843	838	835	836	839	840	839	837	836	841	
18	858	854	854	858	855	851	849	848	851	842	834	829	830	834	839	841	
19	850	849	850	850	851	848	840	832	830	831	827	835	850	853	849	846	
20	847	846	847	849	850	850	844	838	830	832	841	847	853	858	852	847	
21	852	853	850	850	853	853	852	845	839	842	849	848	851	854	853	851	
22	867	869	869	857	860	859	856	859	856	854	847	852	858	859	851	847	
23	858	854	853	851	853	851	851	852	849	844	837	836	839	843	844	843	
24 *	855	853	852	854	853	851	849	846	843	843	843	844	847	847	849	849	
25	863	858	855	861	860	855	853	848	842	837	842	844	851	854	854	843	
26	860	862	850	847	848	845	838	843	845	843	841	845	859	870	856	850	
27	851	849	851	850	852	849	847	852	848	845	846	845	843	835	844	839	
28 *	851	850	849	848	846	846	843	840	833	829	830	836	837	835	838	838	
29	857	857	853	853	854	855	853	850	846	837	832	839	842	841	842	844	
30 *	854	853	853	851	851	848	845	839	834	835	835	837	840	849	854	855	
31 **	861	859	861	861	863	859	859	852	841	838	836	839	833	848	850	851	
Mean	855	854	854	852	852	849	846	843	839	836	835	837	839	843	843	844	
Mean *	854	852	850	850	848	847	845	841	837	836	836	837	839	841	844	845	
Mean **	859	861	869	862	857	851	849	844	834	832	829	832	831	839	837	837	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Date
18000 γ + Tabular Quantities (in γ)																	JULY
										h	m		h	m		γ	
840	843	856	862	864	864	862	858	850		20	42	866	11	05	826	40	1
862	864	862	866	868	867	863	871	854		23	30	877	12	45	824	53	2
855	854	847	858	863	882	849	845	853		21	01	890	12	55	820	70	3 **
837	844	854	853	851	850	850	852	842		18	47	861	06	26	822	39	4
854	852	848	855	858	857	848	848	848		21	22	863	11	28	837	26	5
855	858	864	864	861	854	855	860	849		18	54	868	11	17	827	41	6
846	862	883	861	874	887	868	868	855		21	18	912	15	02	819	93	7 **
850	854	862	880	855	851	872	868	845		19	20	904	11	35	796	108	8 **
852	855	855	864	880	862	861	862	849		20	40	884	09	27	817	67	9
847	847	846	850	854	851	852	850	837		01	13	868	09	29	792	76	10
857	850	854	856	856	856	855	855	846		01	16	865	13	24	825	40	11
852	854	857	851	852	852	854	862	844		18	27	872	10	48	810	62	12
840	842	844	851	854	853	856	852	841		02	28	859	09	26	805	54	13
852	852	852	852	850	851	851	851	844		17	04	854	11	41	826	28	14 *
843	848	854	859	861	861	861	861	847		22	53	862	10	30	832	30	15 *
856	852	865	862	864	862	864	863	852		18	28	875	09	34	825	50	16
852	856	853	860	862	858	858	858	851		15	30	916†	14	19	812	104	17 **
838	840	850	846	846	846	853	854	839		02	43	882	11	30	779†	103	18 **
850	856	857	859	857	872	856	845	843		21	57	883	10	19	804	79	19
842	845	854	848	850	848	847	844	837		01	05	863	09	33	801	62	20
848	864	863	855	852	860	866	849	842		21	10	881	13	13	809	72	21
839	848	856	862	853	856	855	852	842		21	22	865	14	02	809	56	22
845	849	855	857	858	847	847	844	838		19	49	865	09	23	808	57	23
848	848	855	861	860	858	857	860	846		23	35	865	10	58	819	46	24 *
849	850	852	857	861	857	855	860	850		23	53	865	07	24	835	30	25
853	852	854	855	855	859	857	858	851		00	00	863	12	27	835	28	26
846	852	857	863	864	866	864	862	851		21	37	866	11	12	828	38	27 *
852	855	858	863	862	862	865	867	853		22	51	869	12	39	833	36	28 *
858	855	866	865	852	854	855	859	852		18	34	884	11	45	805	79	29
854	858	854	856	856	854	854	855	851		01	03	878	13	05	813	65	30
854	850	856	860	863	860	856	862	847		20	04	869	09	56	815	54	31
849	852	856	858	859	859	857	857	847		-		874	-		816	57.6	Mean
848	851	855	860	859	860	860	860	848		-		863	-		828	35.6	Mean *
848	853	859	861	860	865	860	859	849		-		901	-		805	95.6	Mean **
18000 γ + Tabular Quantities (in γ)																	AUGUST
858	856	854	855	855	857	853	852	848		01	20	869	11	35	827	42	1
848	850	852	857	854	854	855	866	848		23	35	874	12	23	837	37	2
843	844	852	857	862	865	864	871	849		24	00	874	12	20	824	50	3
837	846	856	852	845	849	863	852	848		02	12	940†	11	35	790†	150	4 **
856	852	863	854	846	856	859	852	845		18	36	885	10	17	815	70	5 **
843	847	848	846	847	847	849	855	839		23	00	860	05	40	821	39	6
840	838	854	854	851	850	851	851	847		02	30	871	12	00	812	59	7
846	853	851	845	849	852	853	853	842		22	53	857	10	01	821	36	8
845	854	855	842	852	852	848	851	846		18	13	866	10	40	824	42	9
841	844	850	856	857	858	857	859	844		23	33	861	11	15	824	37	10 *
845	856	838	865	865	849	861	859	850		02	19	902	15	23	807	95	11 **
845	852	851	842	847	846	851	849	842		00	07	867	08	44	807	60	12 **
846	849	848	857	853	851	863	865	842		22	55	868	10	15	821	47	13
849	850	849	854	853	851	850	855	844		00	00	860	09	48	814	46	14
853	855	856	858	853	852	850	856	848		19	13	859	08	55	831	28	15 *
852	848	853	856	853	856	855	852	851		01	55	866	07	15	835	31	16
839	843	849	855	854	855	854	856	846		00	42	861	13	58	831	30	17
841	851	853	856	854	853	855	852	848		03	43	861	13	04	824	37	18
843	845	850	854	853	854	854	852	846		23	00	859	10	17	823	36	19
848	851	861	861	857	856	855	853	849		19	04	866	09	03	828	38	20
851	853	861	861	863	861	862	866	853		23	32	866	08	36	837	29	21
849	853	860	859	859	853	853	853	857		02	41	876	15	54	841	35	22
844	851	855	859	859	858	859	856	850		00	28	864	11	03	833	31	23
853	852	860	863	862	866	864	864	853		21	39	869	10	53	839	30	24 *
854	842	843	859	869	863	864	862	853		20	04	871	18	00	822	49	25
847	850	857	855	859	863	874	857	853		22	12	881	06	25	832	49	26
851	846	853	855	857	854	854	852	849		19	48	859	13	21	830	29	27
841	847	852	857	857	855	853	852	844		19	27	858	09	44	826	32	28 *
838	847	847	852	859	866	864	856	849		22	00	871	10	18	826	45	29
856	861	865	866	865	862	860	861	851		18	25	868	08	19	832	36	30 *
858	859	861	862	859	858	859	889	855		23	30	913	12	38	828	85	31 **
847	850	853	856	856	856	857	857	848		-		872	-		825	47.1	Mean
849	852	857	860	859	859	857	858	848		-		863	-		830	32.6	Mean *
848	853	854	855	852	852	859	860	848		-		901	-		809	92.0	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
SEPTEMBER	18000 γ + Tabular Quantities (in γ)																
1	849	846	849	849	850	844	844	832	826	830	828	827	831	840	844	838	
2	852	858	840	839	844	844	839	828	826	829	832	839	844	848	848	848	
3	864	859	854	854	854	849	841	839	838	834	833	833	839	842	836	842	
4	855	855	855	850	851	851	847	839	837	827	826	820	837	845	843	844	
5	841	843	849	841	850	847	844	840	835	831	833	837	842	844	841	838	
6	853	850	847	848	849	846	847	842	832	828	835	841	853	858	848	851	
7 **	851	852	848	850	852	859	855	844	840	839	833	823	832	847	844	842	
8 **	839	845	847	848	847	835	835	811	822	826	817	828	829	837	839	843	
9	853	847	848	843	845	858	848	848	838	828	818	821	820	831	837	832	
10	864	845	841	844	847	843	842	838	833	828	828	828	829	836	841	848	
11	859	860	855	850	846	843	841	838	833	833	835	839	843	848	849	848	
12	853	853	854	851	847	846	843	842	840	836	835	836	842	848	852	854	
13 *	855	852	852	851	850	850	850	849	846	839	832	827	837	843	849	852	
14 *	852	853	851	850	851	851	850	852	852	843	833	828	831	840	852	858	
15 *	856	854	853	854	853	854	856	854	851	845	843	841	844	847	848	851	
16	867	864	862	862	862	856	861	860	857	852	847	844	847	848	838	840	
17	854	866	851	857	857	856	857	847	844	840	835	839	839	848	847	844	
18	853	851	854	852	855	859	861	858	850	837	829	827	836	847	852	858	
19 *	853	851	854	855	857	858	859	855	847	837	832	835	844	850	853	856	
20 *	858	857	856	858	859	857	857	853	843	836	836	841	847	854	856	852	
21	858	857	858	860	860	862	862	856	845	836	832	840	850	856	858	858	
22 **	884	862	862	849	832	832	840	830	817	811	815	822	829	838	841	840	
23	839	841	843	842	843	841	841	827	836	835	829	817	829	836	840	841	
24	843	841	842	842	846	849	853	849	843	825	810	819	828	831	830	831	
25	857	851	846	844	844	849	852	847	840	835	830	832	836	839	843	845	
26	849	847	846	846	847	848	851	851	839	831	828	828	830	832	832	833	
27	855	853	855	855	855	856	856	857	861	856	847	840	834	838	844	847	
28 **	853	847	841	861	851	852	857	859	833	819	805	818	816	820	814	826	
29	840	838	836	836	838	836	836	833	832	828	823	820	821	824	828	835	
30 **	844	845	848	848	841	868	870	847	840	834	828	826	821	808	813	825	
Mean	853	851	850	850	849	850	850	844	839	834	830	831	835	841	842	844	
Mean *	855	853	853	854	854	854	854	853	848	840	835	834	841	847	852	854	
Mean **	854	850	849	851	845	849	851	838	830	826	820	823	825	830	830	835	
OCTOBER	18000 γ + Tabular Quantities (in γ)																
1	845	856	845	851	845	852	848	842	834	831	827	826	832	836	831	830	
2	849	857	849	848	851	850	849	847	846	839	836	833	835	837	838	839	
3	846	848	851	851	851	852	853	854	847	841	836	836	836	841	833	827	
4 **	854	865	869	856	843	851	853	855	846	834	827	836	836	839	847	844	
5 **	857	851	829	836	845	841	846	842	847	845	836	825	814	808	827	834	
6	850	841	846	846	847	851	853	856	858	853	848	842	843	836	836	824	
7	848	854	832	839	839	846	856	852	846	833	826	829	829	835	839	842	
8	845	845	846	843	852	856	851	841	836	836	828	827	828	830	835	833	
9	846	839	838	842	849	854	857	840	812	805	810	812	818	826	831	833	
10	844	845	844	845	846	847	847	846	840	832	823	822	828	833	839	841	
11 *	850	851	849	847	847	850	850	849	846	844	841	844	846	849	846	846	
12	850	850	849	852	853	856	857	851	856	851	845	818	806	806	811	809	
13	845	848	849	851	843	840	844	841	829	828	831	835	835	823	823	826	
14	856	863	851	845	843	851	851	851	843	841	837	836	838	845	849	848	
15	862	855	853	849	849	852	855	852	836	832	830	830	835	839	842	836	
16	855	849	850	851	851	857	862	857	851	838	834	836	841	846	846	846	
17	854	856	852	854	858	855	856	863	855	844	833	832	831	833	836	835	
18	856	856	859	856	861	861	859	858	851	846	841	843	836	846	853	846	
19 **	864	849	851	853	854	856	846	854	851	847	845	840	843	835	815	807	
20	839	841	839	839	840	842	849	848	841	836	833	837	839	838	844	844	
21 **	852	851	842	843	847	850	848	838	838	831	819	829	835	833	826	825	
22 *	843	844	841	842	845	847	849	847	837	836	835	832	836	839	839	841	
23 *	848	847	846	846	848	849	850	846	840	835	835	838	840	841	841	842	
24	852	852	852	852	853	856	856	855	850	841	834	838	846	850	854	856	
25	865	854	851	850	853	852	854	858	853	843	834	830	832	835	842	847	
26 **	871	862	858	858	863	868	869	863	821	796	813	820	811	815	822	828	
27	847	844	844	844	846	849	852	854	846	834	822	822	823	830	836	840	
28	849	852	849	848	848	849	850	852	849	839	829	834	837	838	835	838	
29	850	851	847	850	856	855	850	847	846	840	832	830	833	836	840	838	
30 *	855	853	850	849	850	851	850	851	846	835	825	815	818	825	832	837	
31 *	850	851	849	851	854	855	855	853	845	835	830	834	835	841	844	847	
Mean	852	851	848	848	849	852	852	850	843	836	831	831	832	834	837	836	
Mean *	849	849	847	847	849	850	851	849	843	837	833	833	835	839	840	843	
Mean **	860	856	850	849	850	853	852	850	841	831	828	830	828	826	827	828	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Date
									18000 γ + Tabular Quantities (in γ)								SEPTEMBER
										h	m		h	m		γ	
839	842	850	853	851	853	862	848	843		22	17	873	17	04	807	66	1
848	844	852	860	868	856	851	855	846		19	56	871	07	52	823	48	2
839	847	845	846	859	849	853	854	846		20	09	882	11	46	830	52	3
844	849	851	850	850	872	852	845	846		21	15	878	11	12	811	67	4
840	842	848	855	855	854	853	852	844		20	30	857	09	50	826	31	5
850	852	851	854	872	850	870	855	849		22	50	913†	09	27	826	87	6
834	826	843	868	859	861	875	861	847		22	38	906	17	10	807	99	7 **
843	853	857	854	855	852	851	853	840		18	00	873	10	31	802	71	8 **
831	837	847	845	838	855	858	851	841		21	56	875	10	08	811	64	9
847	851	848	851	852	858	849	857	844		00	20	872	10	48	825	47	10
849	849	852	853	853	855	857	852	848		01	47	863	09	07	831	32	11
857	855	854	858	858	857	856	857	849		20	21	859	10	01	832	27	12
851	853	853	853	854	851	852	853	848		00	38	859	11	14	825	34	13 *
854	854	853	854	853	854	854	860	849		15	23	860	11	57	826	34	14 *
856	858	858	862	859	857	857	862	853		23	42	871	10	48	840	31	15 *
839	844	836	835	835	847	844	851	850		00	42	867	20	27	818	49	16
841	847	850	851	850	857	853	854	849		01	16	880	10	40	831	49	17
858	856	856	857	857	856	862	856	852		20	57	872	11	08	825	47	18
854	856	860	862	861	861	859	858	853		21	09	864	10	43	830	34	19 *
853	855	858	860	858	858	857	858	853		22	50	862	10	10	832	30	20 *
859	859	864	866	870	868	864	871	857		24	00	884	10	15	831	53	21
837	834	842	842	843	848	858	842	840		00	36	890	03	08	750†	140	22 **
841	845	849	851	850	850	847	845	840		18	20	853	11	32	813	40	23
839	846	848	858	848	845	851	852	840		19	18	873	10	50	803	70	24
844	845	847	849	851	851	849	851	845		00	40	862	10	14	829	33	25
838	846	849	851	853	854	855	854	843		22	35	859	11	03	825	34	26
850	853	858	857	855	852	856	855	852		23	15	866	12	35	831	35	27
818	816	834	841	840	832	849	844	835		19	55	881	16	55	792	89	28 **
836	842	845	846	847	848	847	856	836		23	35	877	12	50	815	62	29
827	841	830	833	840	839	846	860	838		05	56	882	13	41	798	84	30 **
844	847	850	852	853	853	855	854	846		-		873	-		818	54.6	Mean
854	855	856	858	857	856	856	858	851		-		863	-		831	32.6	Mean *
832	834	841	848	847	846	856	852	840		-		886	-		789	96.6	Mean **
									18000 γ + Tabular Quantities (in γ)								OCTOBER
831	839	845	846	846	848	847	847	841		01	09	868	11	56	822	46	1
843	846	844	843	847	844	846	846	844		01	06	861	12	26	831	30	2
824	820	848	856	859	858	861	856	845		21	08	867	17	35	811	56	3
841	805	833	854	864	838	835	873	846		19	53	903†	17	22	789	114	4 **
831	841	846	852	855	848	866	869	841		22	58	893	13	42	799	94	5 **
826	841	851	856	859	856	859	866	848		23	30	875	15	40	809	66	6
842	843	847	851	853	863	846	843	843		21	39	876	02	31	824	52	7
835	847	859	839	832	845	851	855	841		18	09	868	13	41	823	45	8
838	843	847	849	849	852	851	845	837		06	04	861	09	10	798	63	9
847	847	849	849	850	850	851	852	842		20	00	853	11	19	819	34	10
846	840	846	849	852	857	855	855	848		21	14	865	17	20	836	29	11 *
815	823	836	835	841	852	851	846	838		21	44	873	12	18	793	80	12
827	839	843	846	845	847	849	851	839		03	35	856	13	57	819	37	13
846	848	850	851	853	854	852	851	848		01	13	872	11	38	831	41	14
845	844	846	846	846	846	849	850	845		00	35	871	08	55	826	45	15
846	846	846	851	853	855	864	858	850		06	53	864	10	20	832	32	16
838	848	855	857	858	856	858	858	849		07	13	866	11	50	828	38	17
846	849	851	836	836	845	862	880	851		23	05	888	20	17	826	62	18
822	815	834	843	856	861	846	837	843		21	10	883	15	52	781†	102	19 **
845	851	854	855	847	855	849	846	844		21	05	870	09	58	829	41	20
827	833	846	859	836	848	846	843	839		18	59	877	10	19	813	64	21 **
844	847	849	850	852	852	852	851	844		22	13	854	11	44	829	25	22 *
845	852	853	854	852	852	854	854	846		23	52	856	09	55	832	24	23 *
857	860	855	855	850	850	856	859	852		17	30	863	10	51	831	32	24
850	854	857	859	859	856	856	862	850		00	03	872	11	23	827	45	25
833	836	840	839	841	841	843	844	840		00	23	876	09	30	784	92	26 **
842	845	845	845	850	849	846	847	842		07	20	857	11	50	815	42	27
841	845	850	854	858	854	852	852	846		20	08	868	10	35	826	42	28
835	833	837	844	852	851	850	853	844		04	00	860	11	48	828	32	29
841	846	850	850	850	851	851	850	843		00	30	860	11	40	813	47	30 *
851	855	857	859	860	855	853	850	849		19	58	860	10	13	829	31	31 *
839	841	847	849	850	851	852	853	844		-		869	-		818	51.1	Mean
845	848	851	852	853	853	853	852	846		-		859	-		828	31.2	Mean *
831	826	840	849	850	847	847	853	842		-		886	-		793	93.2	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
NOVEMBER	18000 γ + Tabular Quantities (in γ)																
1 **	850	850	851	860	865	871	872	870	860	852	853	858	856	864	863	862	
2 **	840	840	837	845	839	844	848	848	841	839	835	834	837	842	845	846	
3	844	843	846	846	844	846	848	850	849	843	836	833	835	838	844	845	
4	852	853	853	854	858	852	853	852	847	842	835	839	835	831	834	843	
5	854	845	842	842	845	850	850	849	846	839	834	834	828	816	837	838	
6	849	845	845	847	850	854	854	854	854	849	842	840	840	839	843	846	
7 *	853	850	849	850	851	853	854	852	847	843	843	844	844	844	847	851	
8	858	859	859	864	872	874	869	868	861	855	850	848	845	843	851	851	
9 **	854	863	867	868	850	864	859	859	852	837	832	832	838	838	838	833	
10	850	842	854	849	848	850	851	853	844	840	839	839	839	839	848	848	
11	849	850	849	854	860	859	858	859	845	836	834	834	839	842	845	849	
12	854	857	855	857	856	852	855	858	854	850	842	840	842	846	848	841	
13	849	849	850	851	854	855	852	851	851	845	840	836	832	837	839	838	
14 *	850	851	851	852	854	854	854	852	847	843	838	838	840	844	846	847	
15 **	854	853	853	855	857	858	858	857	854	850	857	856	853	846	837	848	
16	844	835	837	844	849	852	851	848	847	842	841	840	844	843	841	835	
17	849	844	846	850	854	854	853	857	852	847	842	839	841	844	842	841	
18	849	848	849	853	855	856	858	853	854	854	851	849	849	853	855	855	
19 *	851	847	847	851	853	856	857	855	854	850	847	847	849	853	854	854	
20	851	851	852	856	855	856	857	857	857	853	853	858	859	854	853	852	
21	854	854	855	857	860	861	862	863	862	860	858	859	859	860	858	856	
22	860	857	853	858	859	863	869	868	867	867	860	851	852	854	852	847	
23 **	855	861	862	865	873	867	854	859	863	847	833	837	831	833	807	799	
24 *	839	842	841	840	843	845	847	847	846	845	847	848	850	853	851	847	
25 *	850	851	851	852	854	855	856	856	859	859	858	855	856	858	860	859	
26	859	859	860	860	873	869	868	865	861	845	841	839	844	839	832	829	
27	846	844	846	849	851	855	854	849	846	844	847	854	856	858	857	855	
28	854	852	854	859	854	854	859	856	854	851	847	849	850	851	857	854	
29	852	851	851	854	854	855	859	857	854	851	849	850	853	855	858	861	
30	864	853	859	863	867	855	864	861	859	854	848	849	853	855	857	857	
Mean	851	850	851	854	855	856	857	856	853	848	844	844	845	846	847	846	
Mean *	849	848	848	849	851	853	854	852	851	848	847	846	848	850	852	852	
Mean **	851	853	854	859	857	861	858	859	854	845	842	843	843	845	838	838	
DECEMBER	18000 γ + Tabular Quantities (in γ)																
1	849	853	857	854	858	862	860	855	852	843	848	851	849	843	837	836	
2	851	850	850	852	855	856	856	856	856	851	848	847	848	850	852	856	
3	854	854	853	852	855	859	860	860	857	851	847	840	842	852	856	859	
4	853	851	851	851	855	857	858	858	856	852	845	844	846	850	857	861	
5 *	853	854	854	853	855	857	858	859	859	856	850	848	849	853	856	858	
6	858	857	857	858	860	863	866	864	863	861	858	852	848	848	851	853	
7 **	863	862	861	863	867	870	870	874	875	870	856	847	843	853	856	844	
8	846	855	854	853	852	853	858	860	855	851	848	847	849	851	848	846	
9	856	856	856	856	859	862	865	865	861	855	850	852	855	856	858	852	
10	854	853	852	854	858	860	860	862	862	857	852	849	851	853	853	855	
11	858	858	859	859	860	862	863	863	863	862	860	860	858	857	853	858	
12 *	858	858	859	861	862	863	864	864	863	862	858	859	860	863	866	867	
13 **	859	861	861	863	866	869	872	872	870	865	861	853	858	868	873	877	
14	850	851	853	855	857	856	863	863	861	852	840	845	847	848	849	852	
15	853	862	859	858	857	856	866	861	857	852	847	841	838	847	853	856	
16 **	866	857	857	860	864	869	870	874	869	863	852	856	852	816	814	852	
17 **	852	870	858	841	843	848	856	858	853	843	850	848	845	844	843	837	
18	847	846	846	853	855	858	858	857	858	855	853	849	844	846	850	853	
19 **	847	846	849	854	856	858	862	867	860	852	848	847	848	841	844	840	
20	851	852	852	854	858	859	860	862	860	858	850	853	853	853	853	850	
21	855	854	856	857	859	861	863	867	864	857	853	856	856	857	859	855	
22	863	857	855	856	859	859	863	866	866	862	857	857	858	856	854	856	
23	859	858	858	858	860	858	863	867	867	866	862	858	856	855	856	855	
24	858	858	860	861	863	863	862	861	857	856	856	855	857	860	863	858	
25	861	860	860	861	863	863	864	863	861	859	862	867	870	867	864	864	
26	851	852	856	859	861	863	862	862	858	853	851	852	850	852	853	858	
27 *	858	858	857	858	861	862	864	865	863	858	858	861	866	870	872	868	
28	857	856	860	861	863	865	865	865	862	854	846	847	854	860	864	867	
29	857	858	860	858	862	864	863	861	862	858	854	853	853	856	860	864	
30 *	855	858	857	858	859	862	863	863	863	856	851	850	853	858	863	865	
31 *	857	856	857	859	863	864	867	866	865	857	853	853	853	854	859	863	
Mean	855	856	856	856	859	861	863	863	861	856	852	852	852	853	854	856	
Mean *	856	857	857	858	860	862	863	863	863	858	854	854	856	860	863	864	
Mean **	857	859	857	856	859	863	866	869	865	859	853	850	849	844	846	850	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									18000 γ + Tabular Quantities (in γ)						NOVEMBER
										h m		h m		γ	
846	822	820	846	857	851	836	837	853		07 14	874	18 36	810	64	1 **
846	848	848	849	850	848	861	851	844		22 40	873	00 03	826	47	2 **
847	850	853	854	855	855	853	853	846		21 10	857	11 56	832	25	3
848	851	850	855	855	850	845	868	848		23 16	877	13 48	823	54	4
838	853	849	843	835	846	852	851	842		00 00	860	13 30	812	48	5
850	853	852	854	855	857	855	855	849		21 20	859	13 26	838	21	6
853	854	858	861	861	860	859	859	852		23 42	864	10 10	840	24	7 *
854	854	853	855	847	844	851	852	856		05 50	879	13 03	836	43	8
834	832	840	835	831	839	856	873	847		23 05	879	17 13	821	58	9 **
851	854	848	847	848	849	854	851	847		02 31	867	13 17	834	33	10
850	855	857	858	855	856	851	851	850		04 57	862	11 02	831	31	11
839	844	843	843	845	847	845	849	848		03 50	861	15 58	832	29	12
844	849	848	850	852	853	852	851	847		05 56	856	12 20	828	28	13
849	851	853	855	856	856	855	855	850		20 50	857	11 13	836	21	14 *
855	857	841	857	861	859	842	862	853		23 21	890†	18 07	824	66	15 **
839	849	851	849	844	850	844	857	845		23 40	867	15 16	830	37	16
848	853	854	853	854	853	851	850	849		00 00	859	15 17	837	22	17
854	850	854	854	855	851	854	858	853		23 35	869	00 20	841	28	18
854	857	858	857	856	857	857	853	853		21 10	859	01 19	844	15	19 *
853	857	859	860	860	858	857	853	855		12 00	860	09 58	849	11	20
855	857	858	859	860	863	862	865	859		23 33	871	15 55	853	18	21
847	849	849	847	851	854	848	849	855		07 00	870	22 32	839	31	22
807	804	814	831	840	843	844	842	840		04 43	879	15 01	791†	88	23 **
846	848	849	851	852	850	849	852	847		13 05	854	00 39	838	16	24 *
859	861	865	865	857	859	859	860	857		18 56	867	00 30	849	18	25 *
817	820	833	839	836	841	836	842	846		04 12	877	16 30	812	65	26
857	859	858	853	848	845	854	853	852		17 17	861	20 45	840	21	27
844	833	839	847	856	854	855	854	852		02 45	865	17 14	825	40	28
862	861	856	860	861	859	856	853	856		24 00	871	23 22	847	24	29
857	861	861	859	856	848	850	842	856		00 10	881	23 44	839	42	30
847	848	849	852	852	852	851	853	850		-	868	-	832	35.6	Mean
852	854	857	858	856	856	856	856	852		-	860	-	841	18.8	Mean *
838	833	833	844	848	848	848	853	848		-	879	-	814	64.6	Mean **
									18000 γ + Tabular Quantities (in γ)						DECEMBER
846	852	854	854	860	855	852	851	851		05 39	866	14 40	832	34	1
860	862	857	856	855	854	855	857	854		23 10	863	11 33	847	16	2
858	854	843	844	848	852	852	853	852		07 35	861	11 49	836	25	3
860	850	852	854	857	858	857	856	854		15 20	862	11 12	841	21	4
859	859	858	859	859	860	860	859	856		21 23	862	11 08	847	15	5 *
855	854	855	858	858	858	862	865	858		23 04	867	12 50	846	21	6
825	829	841	848	850	858	850	844	855		08 10	876	16 12	821	55	7 **
846	850	852	852	854	854	857	857	852		07 04	863	15 56	843	20	8
854	852	852	853	854	854	870	863	857		22 34	878	10 21	848	30	9
856	856	857	858	859	859	858	858	856		07 03	865	11 17	848	17	10
861	862	861	858	854	855	856	857	859		07 32	864	20 38	850	14	11
867	867	866	864	863	861	862	858	862		18 09	870	23 37	855	15	12 *
862	842	841	853	854	853	854	854	861		15 20	884†	17 44	832	52	13 **
853	853	854	850	850	850	850	854	852		07 10	867	10 36	834	33	14
857	859	860	860	858	856	855	854	855		06 13	870	12 17	836	34	15
858	860	858	857	852	846	850	854	855		07 12	877	13 57	773†	104	16 **
838	844	850	854	850	845	840	841	848		01 37	877	15 22	835	42	17 **
856	858	855	852	852	850	848	849	852		05 42	861	02 03	840	21	18
831	838	844	834	846	843	848	852	848		07 41	870	16 46	825	45	19 **
850	850	847	853	861	858	858	859	855		23 01	874	18 56	840	34	20
844	846	849	854	857	858	858	857	856		07 02	870	16 35	840	30	21
858	860	862	862	861	858	858	865	860		23 19	872	14 40	851	21	22
851	855	858	859	858	855	856	857	859		07 30	868	16 28	849	19	23
855	857	857	856	856	859	861	862	859		04 31	865	16 00	852	13	24
864	865	861	858	860	856	863	858	862		22 20	870	23 15	850	20	25
856	856	855	857	858	860	862	860	857		05 27	865	01 21	847	18	26
864	863	862	862	861	860	858	862	862		14 41	873	10 07	855	18	27 *
869	870	868	865	857	857	859	860	860		18 09	870	10 57	846	24	28
865	862	863	862	862	860	858	856	860		16 04	868	12 00	849	19	29
864	865	866	865	864	862	860	856	860		18 38	867	11 23	848	19	30 *
865	866	865	863	863	862	861	858	860		16 51	869	10 49	851	18	31 *
855	855	856	856	856	856	856	856	856		-	869	-	841	28.0	Mean
864	864	863	863	862	861	860	859	860		-	868	-	851	17.0	Mean *
843	843	847	849	850	849	848	849	853		-	877	-	817	59.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JANUARY	43000 γ + Tabular Quantities (in γ)																
1	536	537	538	538	538	537	537	536	533	529	527	525	524	527	534	537	
2 **	532	532	532	527	524	512	512	519	525	530	538	543	557	556	558	564	
3 **	531	532	520	527	535	539	541	542	541	538	538	539	542	545	547	549	
4	531	533	529	529	532	536	538	540	540	535	533	534	534	539	543	553	
5	538	535	535	536	537	538	540	540	541	541	538	535	536	540	546	546	
6	539	536	535	535	537	538	539	539	541	539	536	538	537	538	540	542	
7	538	537	536	535	536	537	538	538	538	538	538	538	535	536	542	542	
8	541	539	537	537	537	537	537	537	538	537	537	538	537	537	540	539	
9	556	546	538	536	535	533	533	534	535	534	534	534	529	533	537	538	
10 **	534	517	525	528	531	527	526	530	533	532	531	531	531	535	539	545	
11	538	535	537	536	536	536	536	536	537	537	537	537	538	541	541	542	
12	543	537	536	534	536	536	536	535	534	531	529	531	533	537	541	542	
13	539	539	539	536	535	534	533	534	534	535	534	533	529	535	542	543	
14 *	536	536	537	538	538	537	536	535	535	532	529	530	529	530	537	542	
15 *	537	537	537	538	537	537	536	535	532	528	530	531	530	534	540	540	
16 **	536	534	534	531	530	530	530	531	530	526	522	529	539	544	547	555	
17	536	533	530	533	538	539	538	535	537	537	532	536	537	540	548	547	
18	539	537	535	536	539	539	540	539	538	537	535	535	533	537	541	544	
19	537	537	536	536	538	540	540	540	539	532	532	532	534	537	541	542	
20	535	531	531	532	534	536	538	540	539	533	530	525	527	534	539	541	
21 *	536	535	533	533	534	536	538	539	541	539	535	530	529	532	536	538	
22 *	534	532	530	530	531	533	535	535	538	536	534	530	526	526	535	539	
23	535	534	533	533	533	533	534	534	535	533	532	531	529	530	536	535	
24	538	536	534	532	531	531	530	530	532	532	528	529	532	536	545	543	
25	539	538	536	534	534	533	530	530	532	532	531	530	528	532	537	538	
26	540	539	535	534	534	534	534	534	534	535	532	532	532	534	540	542	
27 *	538	536	537	536	536	535	533	533	535	535	536	536	538	539	544	545	
28	535	535	536	535	534	533	532	531	531	532	532	528	526	534	541	544	
29	538	541	536	531	532	531	529	527	527	530	534	533	533	546	554	557	
30	537	537	532	533	537	537	537	536	534	534	535	534	532	539	545	545	
31 **	533	534	535	536	536	537	536	534	529	528	526	529	538	541	544	551	
Mean	537	535	534	534	535	535	535	535	535	534	533	533	533	537	542	544	
Mean *	536	535	535	535	535	536	536	535	536	534	533	531	530	532	538	541	
Mean **	533	530	529	530	531	529	529	531	532	531	531	534	541	544	547	553	
FEBRUARY	43000 γ + Tabular Quantities (in γ)																
1	532	532	533	535	537	540	540	539	538	536	537	535	533	537	540	541	
2	527	529	531	534	536	537	538	538	537	537	536	533	534	535	543	545	
3 *	534	534	535	536	537	538	538	538	538	536	535	533	530	529	534	537	
4	532	531	531	531	532	533	533	533	530	526	525	527	527	529	535	540	
5	535	534	534	533	533	533	534	533	533	532	527	522	522	522	528	532	
6 **	533	524	515	521	527	522	522	531	530	528	528	529	529	534	534	543	
7	535	536	534	528	528	529	530	530	531	532	531	528	527	529	534	538	
8 **	539	529	526	531	533	534	534	534	536	537	536	535	535	537	537	539	
9	535	531	533	531	530	533	535	535	536	535	533	529	529	533	537	540	
10	532	532	533	534	534	534	534	535	536	532	529	527	528	532	539	542	
11 *	540	539	539	539	538	537	536	536	536	537	535	531	533	536	537	537	
12	536	536	536	536	535	535	530	528	526	524	520	520	520	528	539	548	
13 **	531	532	530	513	512	518	517	521	526	528	522	522	531	532	541	557	
14	539	540	540	538	535	536	537	537	537	536	532	528	531	531	537	545	
15	536	536	537	538	539	540	538	536	533	531	524	521	523	530	541	544	
16 *	535	535	535	536	536	538	537	536	536	533	526	524	523	527	534	542	
17	533	532	532	532	533	535	536	535	538	536	533	526	525	530	535	539	
18 *	532	532	533	535	536	536	536	537	538	536	530	525	524	528	533	541	
19 *	535	534	534	534	535	536	536	536	538	537	534	529	525	523	528	533	
20	533	532	532	531	532	532	533	533	534	531	526	519	513	517	522	528	
21	540	538	532	532	532	533	536	537	537	538	535	528	532	534	534	540	
22	540	538	537	536	535	536	537	537	537	536	533	527	529	531	537	539	
23	538	537	536	536	536	535	535	535	536	535	532	527	528	532	532	535	
24	540	539	538	537	535	534	532	532	533	534	529	523	526	530	534	539	
25 **	536	535	533	533	532	530	528	529	530	531	524	522	521	525	532	538	
26 **	541	539	538	529	528	529	532	534	535	534	528	528	531	536	538	549	
27	538	529	533	536	539	539	537	536	536	534	528	525	530	535	539	544	
28	537	537	531	533	532	532	529	533	536	535	533	526	527	534	539	546	
29	538	538	538	536	536	536	538	537	539	536	532	527	526	530	534	538	
Mean	536	534	533	533	533	534	534	534	535	534	530	527	527	531	535	541	
Mean *	535	535	535	536	536	537	537	537	537	536	532	528	527	529	533	538	
Mean **	536	532	528	525	526	527	527	530	531	532	528	527	529	533	536	545	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									43000 γ + Tabular Quantities (in γ)						JANUARY
										h m		h m		γ	
537	537	537	536	537	534	532	532	534		02 56	539	12 00	523	16	1
573	576	566	565	552	547	542	537	542		17 03	583	05 48	501†	82	2 **
553	557	549	553	542	544	543	533	541		17 06	564	02 52	518	46	3 **
546	546	553	546	548	547	541	538	539		18 24	558	02 43	523	35	4
544	544	546	543	542	543	542	540	540		18 46	552	11 30	534	18	5
541	542	543	543	544	543	539	539	539		20 34	545	02 50	534	11	6
543	543	546	546	545	545	543	542	540		18 46	547	12 40	534	13	7
536	537	537	545	541	544	550	551	539		24 00	554	13 20	535	19	8
545	545	545	554	544	552	551	537	540		19 22	565	12 33	527	38	9
546	544	542	541	541	545	540	536	535		16 25	549	01 19	510	39	10 **
542	540	539	539	544	541	540	541	539		20 32	545	06 42	534	11	11
540	538	537	537	538	540	538	538	537		00 32	545	10 00	529	16	12
541	539	538	537	537	537	537	538	537		15 03	544	12 25	529	15	13
539	539	538	537	537	537	537	537	536		15 20	542	13 02	528	14	14 *
538	538	538	537	536	535	535	535	535		15 05	541	09 14	528	13	15 *
572	577	568	552	554	547	541	537	542		18 05	594†	10 36	520	74	16 **
544	545	544	544	543	541	540	538	539		14 59	550	03 12	527	23	17
542	543	548	543	540	539	538	538	539		18 43	553	12 29	532	21	18
541	544	546	548	551	540	538	539	539		20 24	558	09 48	530	28	19
540	540	541	541	541	540	539	538	536		07 54	542	11 30	525	17	20
538	537	538	538	538	538	537	536	536		08 22	541	12 06	529	12	21 *
539	538	539	539	540	539	537	536	535		16 02	540	13 10	525	15	22 *
533	536	536	537	537	537	537	538	534		23 57	540	12 35	528	12	23
541	542	542	544	543	544	545	546	537		23 58	555	10 32	527	28	24
537	537	537	537	553	542	545	542	536		20 40	567	12 16	528	39	25
541	538	539	540	538	541	542	539	537		18 50	545	13 21	531	14	26
543	539	537	537	535	533	533	533	537		15 37	546	21 49	531	15	27 *
542	539	538	539	533	536	536	539	535		15 30	545	12 23	525	20	28
558	554	549	545	544	541	537	537	539		16 11	561	08 04	525	36	29
546	544	542	540	537	537	533	531	537		14 30	547	02 36	530	17	30
550	555	560	544	550	543	538	529	539		17 56	584	10 15	524	60	31 **
544	544	544	543	542	541	540	538	538		-	553	-	527	26.4	Mean
539	538	538	538	537	536	536	535	536		-	542	-	528	13.8	Mean *
559	562	557	551	548	545	541	534	540		-	575	-	515	60.2	Mean **
									43000 γ + Tabular Quantities (in γ)						FEBRUARY
539	543	545	547	543	537	533	534	538		20 06	550	00 02	528	22	1
547	545	543	541	540	539	537	535	537		15 58	548	00 51	524	24	2
535	537	537	537	537	538	538	535	536		21 41	539	13 24	529	10	3 *
540	540	541	541	541	544	541	537	534		21 52	547	09 57	523	24	4
532	533	534	535	536	553	545	536	533		21 35	561	12 06	520	41	5
542	544	546	552	540	540	545	534	533		19 05	557	06 01	513	44	6 **
541	549	546	548	549	549	551	539	536		22 27	557	12 02	526	31	7
542	542	549	554	555	546	549	542	539		22 41	565	02 11	526	39	8 **
543	546	539	538	539	541	540	536	536		17 33	550	12 10	528	22	9
541	539	539	537	537	540	540	540	535		21 07	543	11 00	527	16	10
539	538	536	535	534	535	537	536	536		00 28	541	11 55	530	11	11 *
546	551	545	539	538	539	540	536	535		17 56	556	10 18	515	41	12
581	576	565	559	559	554	544	537	538		16 16	593	03 45	508†	85	13 **
546	546	546	541	539	538	539	541	538		18 19	550	11 25	526	24	14
547	546	545	543	539	537	536	534	536		19 06	549	11 52	519	30	15
545	543	542	540	541	538	536	535	536		16 45	546	11 24	523	23	16 *
541	543	551	547	540	537	535	533	536		18 28	552	11 50	523	29	17
549	545	546	546	544	542	538	536	537		16 40	550	12 12	523	27	18 *
537	537	537	537	537	536	535	533	534		08 16	539	13 03	522	17	19 *
529	538	561	559	546	544	561	541	534		18 43	574	12 20	511	63	20
548	553	548	541	543	542	541	541	538		17 31	556	11 27	527	29	21
541	543	547	539	543	543	541	541	538		18 27	551	11 53	525	26	22
539	542	548	541	540	541	540	540	536		18 11	552	11 40	525	27	23
541	538	539	537	538	539	543	537	535		22 18	546	11 38	521	25	24
543	550	565	574	543	542	541	541	537		19 17	619†	12 12	520	99	25 **
550	544	542	538	536	536	538	542	536		15 50	552	10 56	525	27	26 **
548	549	558	543	545	535	534	536	538		18 08	563	11 40	524	39	27
550	547	544	542	541	538	537	537	536		15 56	558	12 05	523	35	28
541	544	543	541	539	539	535	533	536		18 22	545	12 00	524	21	29
544	545	546	544	541	541	540	537	536		-	555	-	523	32.8	Mean
541	540	540	539	539	538	537	535	536		-	543	-	525	17.6	Mean *
552	551	553	555	547	544	543	539	537		-	577	-	518	58.8	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MARCH	43000 γ + Tabular Quantities (in γ)																
1	532	534	535	536	539	539	539	541	541	535	527	518	519	528	534	540	
2 *	533	533	535	535	536	536	537	537	537	534	527	520	516	521	529	535	
3	531	530	531	533	534	535	534	535	536	531	520	507	505	515	521	526	
4 **	528	532	523	517	510	496	507	517	520	519	514	516	515	529	535	540	
5 **	513	495	500	518	530	534	535	534	534	532	523	516	517	532	539	554	
6	524	532	533	530	533	537	537	536	534	534	527	520	521	529	539	546	
7	534	525	529	529	532	534	535	535	535	533	527	521	524	528	535	540	
8	540	537	532	532	532	534	533	533	531	529	525	524	525	533	541	543	
9	534	535	535	531	525	529	529	530	531	532	530	531	532	536	539	542	
10	539	539	538	538	537	536	535	536	537	536	530	527	526	531	536	542	
11	540	539	539	539	538	536	532	532	532	532	531	533	530	534	537	539	
12	538	538	533	513	511	516	521	526	532	533	528	524	526	532	539	544	
13	538	538	539	537	538	537	535	535	535	533	528	521	518	525	535	540	
14	536	535	536	539	539	539	540	539	535	530	520	516	520	530	538	545	
15	537	535	534	534	536	537	537	538	535	531	524	521	525	533	540	548	
16	532	530	530	533	537	538	538	539	535	528	518	512	512	520	530	537	
17	535	536	536	535	535	535	535	535	535	533	530	525	526	528	533	543	
18 *	533	533	533	534	536	537	537	540	539	534	524	518	518	521	527	535	
19 *	533	532	532	533	534	534	534	536	535	528	517	510	510	514	520	530	
20	532	531	531	531	532	531	532	533	529	521	513	510	514	524	531	538	
21	534	522	520	521	520	519	520	524	522	521	520	516	518	524	530	534	
22 **	534	532	533	533	532	532	532	534	534	530	526	527	528	528	533	542	
23 **	532	532	533	534	523	526	533	535	538	536	535	538	534	538	539	542	
24	534	535	535	531	527	527	530	531	530	522	522	521	524	536	541	558	
25	540	539	529	530	532	534	534	534	534	527	524	521	522	530	(548)	(552)	
26	534	531	532	532	532	531	533	535	531	(526)	521	522	526	536	540	542	
27	539	540	540	540	540	539	540	539	538	531	526	525	527	534	540	544	
28 *	536	537	539	539	539	539	539	539	535	530	524	519	519	524	532	541	
29	534	535	536	537	537	537	539	539	533	525	518	509	502	509	521	534	
30 **	530	531	533	534	530	529	529	527	526	518	510	505	505	520	536	552	
31 *	539	540	540	541	542	545	547	545	539	530	522	521	524	530	537	541	
Mean	534	533	532	532	532	533	533	534	533	529	524	520	520	527	535	542	
Mean *	535	535	536	536	537	538	539	539	537	531	523	518	517	522	529	536	
Mean **	527	524	524	527	525	523	527	529	530	527	522	520	520	529	536	546	
APRIL	43000 γ + Tabular Quantities (in γ)																
1 **	536	537	538	538	538	538	539	538	531	520	510	505	510	520	534	538	
2 **	529	539	536	545	546	547	549	548	546	541	536	530	531	539	549	556	
3	526	521	523	526	526	533	539	544	539	534	525	521	523	532	542	547	
4	531	530	532	533	534	536	542	544	539	533	525	517	517	528	540	549	
5	538	538	538	537	534	535	538	537	530	526	521	520	523	531	539	543	
6	538	538	539	539	537	539	543	543	538	534	527	524	525	530	537	542	
7	526	530	532	534	535	536	538	536	532	527	524	518	517	521	530	536	
8	538	537	538	537	537	538	541	541	532	525	521	519	521	523	526	533	
9	537	536	533	535	532	533	535	536	533	523	519	518	518	522	533	541	
10	539	540	540	540	539	538	540	538	533	526	517	514	514	521	533	539	
11	537	538	539	539	539	537	537	535	528	519	509	511	520	530	542	547	
12 *	540	542	542	542	542	542	542	538	530	519	513	514	518	524	534	539	
13	538	539	538	539	540	541	542	540	534	527	515	504	501	509	521	530	
14 *	534	535	536	537	538	539	540	537	533	522	513	507	505	516	528	537	
15	533	533	536	537	537	538	538	537	534	529	515	508	504	513	528	541	
16	523	525	530	532	534	536	538	535	531	526	516	507	506	515	528	533	
17	533	528	521	520	521	522	523	524	528	526	516	511	514	522	532	542	
18	536	536	537	538	537	537	537	539	538	528	520	514	513	521	528	541	
19 **	523	519	522	526	530	536	538	538	535	524	523	518	519	528	538	546	
20	533	531	531	534	535	535	535	534	532	530	524	521	517	520	529	539	
21	524	520	522	528	532	534	536	534	532	531	524	520	518	521	528	533	
22 *	538	538	538	538	538	538	538	538	533	525	521	517	516	522	531	534	
23 *	538	538	535	535	535	535	537	537	536	530	520	515	518	524	530	533	
24 *	537	537	537	537	537	537	537	538	535	529	523	516	514	519	527	532	
25	537	538	537	537	537	537	534	530	525	522	514	510	512	522	530	535	
26	529	534	537	535	534	527	527	527	523	516	512	515	517	524	535	540	
27 **	533	533	533	533	533	534	531	529	526	518	506	504	506	513	524	552	
28 **	519	496	501	506	513	513	522	521	522	514	520	518	524	534	539	545	
29	520	508	509	517	523	528	530	533	533	531	525	519	517	525	537	544	
30	536	536	537	539	540	542	543	541	535	526	517	514	515	522	531	536	
Mean	533	532	532	534	534	535	537	536	533	526	519	515	516	523	533	540	
Mean *	537	538	538	538	538	538	539	538	533	525	518	514	514	521	530	535	
Mean **	528	525	526	530	532	534	536	535	532	523	519	515	518	527	537	547	

* International Quiet Day. ** International Disturbed Day.

Normal Run Breakdown. Figures in brackets supplied from Wide Range Record.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Date
43000 γ + Tabular Quantities (in γ)																	MARCH
										h	m		h	m		γ	
542	540	540	540	539	536	534	533		535	07	37	542	11	42	516	26	1
538	538	537	537	536	535	534	533		533	07	50	539	12	20	516	23	2 *
531	532	533	534	536	544	530	529		529	21	45	557	11	49	503	54	3
566	584	565	556	559	542	532	525		531	17	42	612	05	37	490	122	4 **
549	552	564	553	556	531	531	527		532	18	51	570	02	03	483†	87	5 **
556	551	549	544	544	541	540	538		536	15	54	565	11	50	517	48	6
542	543	548	548	546	544	543	544		536	19	02	559	11	25	519	40	7
540	539	538	541	545	542	533	534		535	20	12	550	12	06	521	29	8
543	539	537	537	537	539	539	539		535	16	20	544	04	05	525	19	9
542	543	543	547	541	541	540	539		537	19	49	551	11	34	526	25	10
538	536	537	537	538	538	537	538		536	00	50	541	08	20	528	13	11
550	543	540	539	538	537	536	537		532	16	20	553	03	34	507	46	12
541	540	538	538	539	540	540	536		535	21	40	542	12	22	517	25	13
547	546	551	548	551	545	541	538		538	18	50	557	11	21	516	41	14
550	549	550	551	541	540	537	536		537	19	24	557	11	45	520	37	15
539	537	536	535	535	535	534	534		531	07	27	540	11	49	510	30	16
541	542	539	539	537	535	534	532		535	15	45	545	11	49	523	22	17
538	538	537	539	537	535	533	532		533	08	10	541	11	20	516	25	18 *
536	537	537	538	537	536	534	533		530	19	40	538	11	21	510	28	19 *
540	539	539	550	541	537	535	534		531	19	26	555	11	30	510	45	20
537	536	532	534	540	542	544	540		528	22	01	547	11	32	515	32	21
551	552	558	578	564	555	551	530		540	19	50	595	10	42	525	70	22 **
554	550	551	548	540	540	536	534		538	18	55	562	04	26	518	44	23 **
559	568	549	544	541	540	541	541		537	17	33	577	09	49	519	58	24
(551)	(547)	542	(543)	(535)	534	530	531		535	15	26	553	11	25	520	33	25
542	540	537	536	536	537	538	539		534	16	40	544	10	00	521	23	26
544	540	536	535	535	534	535	535		536	16	12	546	11	30	523	23	27
540	539	537	536	534	531	531	532		534	15	48	543	11	50	517	26	28 *
539	539	538	535	532	531	530	530		530	17	38	540	12	22	502	38	29
576	604	580	568	555	549	539	538		538	17	24	625†	11	30	503	122	30 **
544	544	544	540	540	540	539	537		538	06	55	547	11	10	519	28	31 *
545	546	544	543	541	539	536	535		534		-	556		-	515	41.4	Mean
539	539	538	538	537	535	534	533		534		-	542		-	516	26.0	Mean *
559	568	564	561	555	543	538	531		536		-	593		-	504	89.0	Mean **
43000 γ + Tabular Quantities (in γ)																	APRIL
553	610	625	603	605	586	562	526		548	17	43	647†	23	52	482†	165	1 **
568	576	564	563	555	542	538	535		546	17	02	585	00	00	507	78	2 **
552	561	551	546	546	543	541	540		537	17	32	565	11	51	517	48	3
552	552	549	546	544	546	541	539		537	16	00	554	12	00	514	40	4
545	544	542	543	547	539	535	538		536	20	45	549	11	28	517	32	5
542	543	541	541	540	540	540	533		537	06	32	545	11	45	523	22	6
540	543	543	546	552	544	541	541		534	20	20	557	11	45	515	42	7
536	537	539	540	545	541	537	539		534	20	41	549	11	36	516	33	8
544	545	542	540	539	539	538	538		534	17	20	547	10	43	517	30	9
541	540	538	536	535	535	536	536		534	16	59	542	12	08	512	30	10
555	560	557	555	544	540	538	539		537	16	48	566	10	38	507	59	11
541	542	538	536	535	534	535	537		534	06	10	544	10	40	512	32	12 *
536	539	534	534	532	532	532	533		530	06	42	542	12	10	499	43	13
541	542	540	537	537	535	534	533		532	17	53	543	12	03	505	38	14 *
551	556	551	546	544	543	540	532		534	17	08	557	12	27	504	53	15
537	543	544	541	539	537	535	534		530	17	52	547	12	00	505	42	16
549	549	549	545	546	541	539	537		531	17	58	550	11	21	509	41	17
562	558	561	563	553	545	544	533		538	16	40	568	12	24	511	57	18
547	545	544	542	544	541	535	533		533	20	58	556	11	48	515	41	19 **
546	544	548	541	540	538	533	526		533	18	23	554	12	42	516	38	20
536	539	540	540	543	538	536	536		531	20	34	548	11	57	517	31	21
535	535	537	536	536	537	537	538		533	00	45	539	11	32	515	24	22 *
534	536	536	534	534	535	535	536		532	00	16	538	11	18	515	23	23 *
534	535	536	533	532	532	532	533		532	07	11	538	11	55	511	27	24 *
539	539	543	544	544	540	538	530		532	20	00	548	10	47	509	39	25
542	545	544	545	539	537	537	533		531	19	04	547	10	13	511	36	26
567	578	579	574	554	537	536	531		536	19	51	586	11	07	501	85	27 **
548	549	550	554	546	542	538	525		527	19	20	563	01	26	489	74	28 **
545	548	558	547	542	540	538	537		531	18	32	570	01	48	499	71	29
539	544	547	550	556	554	535	523		536	22	01	559	11	59	512	47	30
545	549	549	547	545	541	538	534		534		-	557		-	509	47.4	Mean
537	538	537	535	535	535	535	535		533		-	540		-	512	28.8	Mean *
557	572	572	567	561	550	542	530		538		-	587		-	499	88.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

Normal Run Breakdown. Figures in brackets supplied from Wide Range Record.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
MAY	43000 γ + Tabular Quantities (in γ)																
1 **	501	494	501	515	530	537	539	539	534	531	523	519	525	530	533	540	
2	537	537	538	539	541	543	541	536	534	528	521	521	526	533	539	546	
3	530	530	532	533	536	539	538	535	529	523	515	509	512	519	529	536	
4	537	536	537	538	538	539	539	539	535	527	519	514	514	521	529	537	
5	536	532	534	533	535	534	535	532	530	523	511	513	522	532	533	539	
6	539	539	538	539	540	540	537	533	528	521	517	514	511	513	520	527	
7 *	539	538	537	536	534	535	534	532	527	523	521	517	520	526	533	540	
8 *	539	538	538	538	537	537	532	529	527	524	516	513	515	519	526	531	
9 *	537	538	538	537	537	536	535	532	527	525	522	517	513	516	526	533	
10	537	537	536	537	536	536	531	528	524	522	513	510	513	523	535	548	
11	534	525	519	505	506	514	523	523	519	517	515	514	519	526	534	542	
12 *	541	542	544	545	546	546	543	540	534	529	521	514	515	524	531	538	
13	539	539	540	542	545	546	544	540	531	520	508	501	501	512	527	537	
14 **	539	540	541	542	545	546	543	533	528	523	515	508	507	516	537	568	
15 **	536	537	538	527	504	515	518	526	523	523	520	520	526	531	540	548	
16	520	525	527	533	532	536	537	536	533	531	524	518	515	525	533	539	
17	538	537	538	541	543	545	543	541	534	528	521	512	516	529	539	550	
18	536	537	539	540	541	542	542	542	534	522	514	516	518	526	534	540	
19	539	539	538	537	537	538	537	537	535	530	517	510	512	516	526	534	
20 *	539	538	538	538	541	543	542	536	532	527	522	517	517	524	531	538	
21	540	539	538	538	539	541	539	536	530	526	518	516	522	530	534	537	
22	540	540	540	540	540	540	535	528	525	523	519	521	521	529	535	538	
23	536	537	537	537	537	537	532	527	523	518	513	512	514	524	532	536	
24 **	530	532	533	532	521	515	514	514	511	509	512	512	518	531	542	548	
25 **	530	533	536	540	541	541	537	534	525	518	520	519	522	530	536	557	
26	525	529	534	539	542	543	541	535	527	520	517	513	519	527	538	540	
27	536	536	536	535	537	538	530	520	522	520	512	514	511	522	536	542	
28	534	536	536	536	538	538	536	534	532	526	520	519	524	529	533	540	
29	534	534	535	536	537	541	534	529	520	516	506	504	510	520	528	538	
30	533	533	536	537	540	542	538	536	532	522	514	507	505	508	516	526	
31	527	530	533	533	537	542	540	536	531	525	517	515	516	523	529	536	
Mean	534	534	535	535	536	538	536	533	528	523	517	514	516	524	532	540	
Mean *	539	539	539	539	539	539	537	534	529	526	520	516	516	522	529	536	
Mean **	527	527	530	531	528	531	530	529	524	521	518	516	520	528	538	552	
JUNE	43000 γ + Tabular Quantities (in γ)																
1	532	532	534	536	538	541	540	533	524	516	508	501	501	507	518	527	
2	531	532	532	533	537	537	538	536	531	519	509	503	504	508	515	524	
3 *	532	532	532	533	534	534	531	530	529	523	516	507	506	514	525	533	
4	534	533	532	533	536	537	535	534	528	524	520	517	518	520	524	532	
5 *	535	535	534	536	539	539	537	535	530	521	515	507	511	524	530	533	
6 *	535	534	534	536	540	540	536	530	521	512	502	501	508	514	523	529	
7	535	536	536	535	537	539	537	534	529	524	517	514	518	521	529	535	
8	534	535	536	534	534	536	535	529	521	519	520	514	516	524	524	528	
9	537	538	538	539	540	540	535	532	529	521	510	508	511	520	530	535	
10 **	531	531	530	520	496	470	480	499	520	521	520	517	522	538	547	552	
11 **	534	531	524	517	531	538	539	538	538	535	530	530	535	539	544	551	
12 **	539	539	534	531	535	538	540	543	538	536	530	525	526	529	532	541	
13	535	536	539	540	541	547	549	544	536	525	515	517	520	524	531	537	
14	535	536	536	538	538	540	542	541	538	535	525	512	510	515	522	535	
15	533	531	532	534	540	545	545	541	540	539	530	519	520	525	529	535	
16 *	535	531	532	536	540	544	540	539	540	531	523	519	520	524	528	536	
17	538	539	538	538	540	541	537	531	533	535	534	529	521	518	520	530	
18	537	537	536	538	540	543	541	539	535	531	521	516	520	526	531	539	
19	540	540	539	538	539	539	536	532	530	525	522	519	519	521	527	533	
20 **	543	540	534	530	530	529	529	527	521	517	511	510	514	524	540	541	
21 **	540	530	525	530	537	536	534	530	529	523	525	520	517	516	524	531	
22	540	539	540	540	540	540	537	536	532	525	520	514	518	525	536	542	
23	540	539	540	540	543	542	539	538	532	524	519	515	517	525	535	543	
24	535	536	539	540	541	540	540	539	534	528	521	519	522	526	530	534	
25	536	534	534	535	530	532	526	523	525	526	518	515	518	523	533	541	
26	538	540	540	541	545	547	541	539	536	530	527	528	528	533	539	544	
27	537	538	541	542	544	545	540	541	537	528	517	510	519	526	530	534	
28	535	535	537	539	541	542	541	540	533	525	517	510	517	523	531	540	
29	537	538	541	541	542	545	541	537	531	525	521	520	522	528	532	539	
30 *	537	537	537	539	541	543	542	540	537	531	522	516	516	521	527	533	
Mean	536	535	535	535	537	538	536	534	531	526	520	515	517	523	530	536	
Mean *	535	534	534	536	539	540	537	535	531	524	516	510	512	519	527	533	
Mean **	537	534	529	526	526	522	524	527	529	526	523	520	523	529	537	543	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
43000 γ + Tabular Quantities (in γ)															MAY
										h m		h m		γ	
551	556	551	548	545	543	541	541	532		17 02	558	01 00	488†	70	1 **
544	544	544	543	543	543	540	535	537		15 06	548	11 31	519	29	2
542	543	543	542	540	539	538	536	532		18 05	544	11 30	508	36	3
540	541	541	542	540	539	539	539	534		19 32	542	11 30	512	30	4
540	541	542	542	541	540	540	541	533		18 53	543	10 40	509	34	5
533	538	540	540	541	540	539	539	532		20 20	542	12 57	510	32	6
539	538	539	539	538	538	538	539	533		15 40	541	11 50	515	26	7 *
531	531	531	531	532	534	535	536	530		00 10	539	12 01	512	27	8 *
538	539	538	536	535	536	536	536	532		17 30	540	12 52	512	28	9 *
555	564	575	576	568	561	557	541	540		18 56	581†	11 11	510	71	10
547	549	547	545	543	541	541	541	529		17 44	550	03 39	500	50	11
544	545	544	541	539	537	536	537	536		05 06	547	11 10	513	34	12 *
543	540	542	557	565	551	542	539	535		20 22	568	12 06	499	69	13
566	562	556	553	549	546	543	536	539		15 45	579	12 18	503	76	14 **
553	551	550	550	549	546	545	535	534		15 50	554	04 20	497	57	15 **
544	547	550	558	553	541	541	539	535		19 43	569	12 07	512	57	16
548	548	545	543	544	546	544	538	538		15 22	551	12 13	511	40	17
541	543	542	541	542	541	541	540	536		05 30	544	10 41	513	31	18
540	544	544	542	541	541	542	541	534		17 47	545	11 32	509	36	19
544	544	542	540	539	539	539	540	535		16 55	545	12 04	515	30	20 *
537	541	540	540	540	538	538	539	535		17 32	542	11 24	515	27	21
538	538	537	536	536	536	537	537	534		05 14	542	10 20	518	24	22
539	541	539	536	534	533	534	530	531		17 22	541	11 12	511	30	23
553	562	558	555	545	542	540	527	532		17 43	564	09 18	506	58	24 **
558	563	566	562	546	542	540	537	539		19 44	571	09 38	513	58	25 **
544	548	547	542	540	537	537	537	534		17 40	549	11 20	512	37	26
545	548	549	548	543	540	538	532	533		18 53	551	10 20	510	41	27
547	551	549	547	543	541	538	536	536		16 59	552	11 07	517	35	28
544	545	544	542	539	538	538	537	531		16 57	546	11 21	503	43	29
535	542	546	548	544	539	536	526	531		19 09	551	12 12	503	48	30
543	546	545	542	537	536	534	533	533		17 20	546	12 00	513	33	31
544	546	546	545	543	541	540	537	534		-	551	-	509	41.8	Mean
539	539	539	537	537	537	537	538	533		-	542	-	513	29.0	Mean *
556	559	556	554	547	544	542	535	535		-	565	-	501	63.8	Mean **
43000 γ + Tabular Quantities (in γ)															JUNE
534	537	537	535	533	534	534	531	528		05 41	542	12 11	500	42	1
529	533	538	537	537	534	532	532	528		18 56	540	12 01	501	39	2
537	538	539	536	536	535	534	534	529		18 32	539	11 31	504	35	3 *
539	541	543	544	538	537	537	535	532		18 54	546	11 30	515	31	4
538	541	540	537	535	535	534	535	532		17 16	543	11 31	505	38	5 *
535	536	535	531	530	532	534	534	528		05 29	540	10 50	500	40	6 *
539	537	535	529	529	531	534	533	531		05 39	539	11 11	512	27	7
537	538	538	537	538	534	534	534	530		05 50	538	11 35	513	25	8
540	543	540	537	534	531	530	530	531		17 15	543	11 36	505	38	9
552	553	555	559	548	549	543	529	528		19 14	568†	05 30	454†	114	10 **
558	563	558	552	550	550	539	537	540		17 48	565	03 15	507	58	11 **
547	556	560	555	549	548	544	540	540		18 23	564	12 13	523	41	12 **
543	546	547	545	546	544	539	535	537		05 53	552	10 34	514	38	13
541	544	545	545	543	541	540	534	535		19 33	546	12 38	507	39	14
540	547	546	545	542	540	540	537	536		17 06	549	11 42	518	31	15
540	542	544	545	544	540	538	538	535		19 31	546	12 00	517	29	16 *
539	540	541	543	541	540	537	537	535		05 45	543	13 57	515	28	17
542	547	549	552	549	549	542	541	538		19 20	555	11 22	514	41	18
540	546	548	547	549	549	549	548	536		23 00	549	11 25	517	32	19
543	543	548	555	547	541	540	540	533		19 30	561	11 36	509	52	20 **
540	541	546	550	542	540	539	539	532		19 38	553	13 20	515	38	21 **
545	549	551	550	547	543	543	540	537		18 06	552	11 38	512	40	22
547	548	547	543	540	539	537	535	536		18 01	547	11 35	513	34	23
540	545	546	545	546	540	536	537	536		20 32	549	11 24	517	32	24
545	548	548	546	541	539	538	539	533		18 05	549	11 26	514	35	25
551	551	550	546	544	542	541	539	540		16 55	551	10 00	525	26	26
539	541	544	547	547	540	537	535	536		20 20	547	11 10	507	40	27
554	560	559	552	546	542	540	538	537		16 56	563	11 24	505	58	28
542	545	547	548	545	541	539	537	537		19 10	548	11 40	518	30	29
537	544	546	543	539	536	535	535	535		18 12	548	11 45	514	34	30 *
542	545	546	545	542	540	538	536	534		-	549	-	510	39.5	Mean
537	540	541	538	537	536	535	535	532		-	543	-	508	35.2	Mean *
548	551	553	554	547	546	541	537	535		-	562	-	502	60.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
JULY	43000 γ + Tabular Quantities (in γ)																
1	534	533	533	535	537	539	539	538	536	531	525	515	511	515	523	532	
2	534	533	533	535	538	540	541	537	534	526	522	521	519	519	523	526	
3 **	533	532	531	532	534	534	530	532	531	522	520	511	507	518	527	533	
4	533	530	526	529	533	533	532	530	528	522	520	520	519	521	527	533	
5	537	535	534	533	534	536	536	535	534	530	522	516	515	521	529	533	
6	537	534	530	531	534	536	530	526	529	532	528	522	521	524	528	532	
7 **	536	536	534	529	526	525	522	520	517	512	504	497	501	514	526	533	
8 **	523	525	532	524	525	530	536	538	535	532	525	519	522	526	537	542	
9	529	524	525	532	537	537	539	538	537	529	521	513	515	520	531	544	
10	524	522	521	527	535	537	538	539	538	532	522	519	521	526	535	545	
11	535	531	530	535	538	542	542	542	534	525	518	517	514	518	532	544	
12	537	537	538	540	543	547	546	546	542	533	522	518	515	522	536	545	
13	532	534	533	536	542	546	545	543	542	536	534	528	525	529	536	542	
14 *	536	536	536	538	542	544	543	542	539	536	530	519	516	521	529	540	
15 *	536	536	535	536	540	545	545	544	541	532	526	516	513	516	527	536	
16	535	535	535	536	538	541	539	539	537	533	527	519	516	516	521	528	
17 **	535	531	529	531	534	536	534	529	524	523	526	519	513	517	521	529	
18 **	537	522	517	508	504	513	523	532	535	532	523	521	525	526	534	543	
19	534	534	534	536	539	538	537	536	535	525	519	522	519	521	524	529	
20	533	524	523	530	533	534	535	536	534	530	533	535	535	534	539	541	
21	540	538	537	537	539	537	534	533	531	527	523	516	517	522	530	539	
22	537	538	539	537	534	533	530	530	528	528	525	521	521	525	535	541	
23	536	535	536	539	540	542	542	539	537	533	533	528	526	532	536	542	
24 *	539	539	539	540	541	541	539	538	534	531	526	519	521	529	535	539	
25	534	535	536	538	539	541	537	534	530	525	523	515	516	519	527	533	
26	534	534	536	537	538	538	538	534	531	527	524	515	513	521	532	542	
27 *	534	533	534	535	538	541	539	535	532	530	525	520	519	520	525	534	
28 *	534	533	533	533	535	538	538	538	540	534	523	519	518	522	526	531	
29	532	532	532	533	535	538	537	538	535	531	521	512	505	504	519	534	
30	533	526	527	530	532	537	534	536	532	526	517	513	511	521	529	534	
31	528	527	529	531	535	540	536	532	528	525	527	520	517	522	526	535	
Mean	534	532	532	533	535	537	537	536	534	529	524	518	517	521	529	537	
Mean *	536	535	535	536	539	542	541	539	537	533	526	519	517	522	528	536	
Mean **	533	529	529	525	525	528	529	530	528	524	520	513	514	520	529	536	
AUGUST	43000 γ + Tabular Quantities (in γ)																
1	529	526	526	527	531	535	535	536	538	535	529	522	522	525	532	539	
2	535	535	535	535	535	538	538	535	531	524	515	513	510	514	519	525	
3	534	534	535	534	534	536	536	536	533	526	521	519	514	516	527	536	
4 **	537	533	516	511	510	502	506	513	516	521	525	526	526	530	542	556	
5 **	536	536	536	535	536	536	536	537	536	535	533	527	524	529	530	541	
6	536	534	530	532	529	531	536	536	531	525	525	527	529	532	537	541	
7	534	533	523	521	518	514	511	515	515	521	522	518	521	524	533	545	
8	535	536	535	537	539	540	538	538	534	529	523	519	522	529	538	545	
9	536	535	536	531	529	534	538	541	537	532	525	518	516	522	532	541	
10 *	537	537	538	539	542	544	545	546	539	529	523	518	515	517	526	534	
11 **	533	531	526	524	531	535	532	529	526	520	511	506	506	509	522	536	
12 **	523	524	525	530	536	537	537	537	531	527	517	509	508	513	523	535	
13	531	532	535	537	539	542	542	546	543	536	529	520	514	520	529	535	
14	530	531	533	534	536	539	539	536	530	522	513	511	515	524	532	539	
15 *	535	534	534	535	538	539	540	540	536	534	528	521	523	529	536	542	
16	535	533	531	533	534	536	537	536	534	532	525	518	517	523	529	533	
17	534	534	533	531	534	538	538	538	535	530	525	524	523	530	539	544	
18	537	536	535	535	535	535	536	534	530	524	520	516	517	521	524	530	
19	535	535	535	535	535	535	534	532	529	523	514	509	514	524	531	539	
20	537	538	539	538	538	537	537	537	534	527	517	509	510	519	531	538	
21	538	538	539	539	538	538	537	535	531	524	518	519	527	536	540	545	
22	536	536	532	531	532	534	530	527	523	518	513	511	516	519	527	537	
23	536	535	536	537	538	539	538	535	533	527	514	509	516	524	533	541	
24 *	534	536	536	537	537	538	538	536	531	524	515	513	514	521	531	538	
25	532	534	535	535	535	535	536	533	529	523	514	506	506	515	525	530	
26	536	534	532	533	535	536	536	536	530	527	519	509	505	508	518	528	
27	528	530	533	535	537	537	537	537	531	523	517	513	513	523	531	537	
28 *	534	534	535	537	538	541	542	541	537	531	523	514	509	515	526	532	
29	532	531	533	534	536	537	538	541	539	533	523	513	512	517	525	534	
30 *	532	532	534	535	536	537	541	542	537	530	521	518	518	518	521	527	
31 **	535	532	531	530	530	532	532	533	529	524	514	512	516	522	528	531	
Mean	534	534	533	533	534	535	535	535	532	527	520	516	516	522	530	537	
Mean *	534	535	535	537	538	540	541	541	536	530	522	517	516	520	528	535	
Mean **	533	531	527	526	529	528	529	530	528	525	520	516	516	521	529	540	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
									43000 γ + Tabular Quantities (in γ)						JULY
										h m		h m		γ	
538	537	541	540	536	535	535	535	532		18 51	542	12 12	509	33	1
530	532	535	533	535	535	535	534	531		06 25	542	12 45	518	24	2
537	544	544	543	543	539	533	531	531		17 42	547	12 37	506	41	3 **
536	538	539	539	539	539	539	539	531		19 30	539	11 58	517	22	4
534	535	534	535	537	539	537	537	532		21 19	542	12 27	513	29	5
535	537	538	536	536	536	537	536	532		00 30	538	11 45	519	19	6
538	539	543	547	540	535	528	523	526		21 10	550	11 40	495†	55	7 **
544	544	545	547	547	543	534	529	534		20 20	550	11 35	518	32	8 **
547	553	550	543	541	531	532	522	533		17 36	555	11 35	511	44	9
547	549	548	544	542	538	535	535	534		17 20	549	10 55	517	32	10
551	552	553	552	542	538	537	536	536		18 51	553	12 20	511	42	11
549	549	549	545	542	539	537	532	538		18 26	551	12 14	513	38	12
547	549	547	546	543	542	539	537	539		17 24	549	12 25	523	26	13
545	545	544	544	543	540	537	536	537		17 00	546	12 05	512	34	14 *
537	539	541	540	539	539	536	535	535		06 15	546	12 01	511	35	15 *
531	534	536	537	539	538	537	537	533		05 50	541	12 00	515	26	16
534	550	565	559	551	547	543	540	534		18 18	569†	12 17	512	57	17 **
546	554	553	551	548	548	542	537	532		17 45	558	04 11	501	57	18 **
534	536	536	539	543	548	535	536	533		21 20	553	10 19	517	36	19
539	538	541	546	543	539	540	541	536		19 25	549	02 01	519	30	20
541	541	546	547	544	543	534	535	535		19 21	549	11 08	515	34	21
541	546	552	543	541	539	539	536	535		18 20	555	11 11	519	36	22
544	545	542	543	541	537	537	538	538		19 48	546	12 10	525	21	23
540	540	539	539	536	535	535	535	535		05 05	542	11 40	518	24	24 *
536	538	538	538	537	536	535	535	532		05 40	541	11 22	511	30	25
546	545	541	538	536	534	533	533	533		16 50	548	11 51	511	37	26
543	546	544	539	535	534	533	534	533		17 25	546	11 40	518	28	27 *
539	542	541	539	536	535	533	532	533		17 40	542	12 00	516	26	28 *
538	542	544	548	558	542	536	535	533		20 20	568	13 16	500	68	29
539	541	545	550	544	540	537	534	532		19 27	550	12 30	509	41	30
539	542	539	540	539	537	537	535	532		17 35	541	12 29	517	24	31
540	543	544	543	541	539	536	535	534		-	548	-	513	34.9	Mean
541	542	542	540	538	537	535	534	535		-	544	-	515	29.4	Mean *
540	546	550	549	546	542	536	532	531		-	555	-	506	48.2	Mean **
									43000 γ + Tabular Quantities (in γ)						AUGUST
539	540	541	540	540	537	536	536	533		20 10	542	12 00	520	22	1
531	533	535	535	535	536	536	535	530		23 22	538	12 20	509	29	2
540	541	541	540	538	536	536	537	532		18 03	541	12 35	513	28	3
549	549	549	542	541	541	538	534	530		15 27	556	03 12	491†	65	4 **
556	551	557	553	548	542	537	531	538		18 28	561	12 20	521	40	5 **
541	538	536	537	536	536	536	537	534		15 44	542	09 56	523	19	6
544	547	545	541	538	538	538	534	529		17 53	548	06 42	509	39	7
546	546	545	543	538	537	536	535	536		17 08	547	11 40	517	30	8
544	548	550	552	547	543	540	539	536		19 18	554	12 45	514	40	9
544	547	546	543	539	536	534	534	536		07 10	546	12 31	514	32	10 *
552	560	563	563	546	541	526	518	531		19 25	574†	12 16	502	72	11 **
540	544	547	555	547	544	537	536	532		19 42	559	12 09	507	52	12 **
541	543	546	546	542	541	536	531	536		19 00	549	12 10	511	38	13
542	543	542	543	541	540	540	539	533		20 05	545	11 28	508	37	14
543	541	538	539	541	540	540	538	536		16 05	543	11 40	520	23	15 *
540	541	536	537	538	538	539	536	533		17 32	542	12 15	514	28	16
544	549	544	539	538	538	537	536	536		17 26	552	12 20	522	30	17
536	540	544	540	536	535	535	535	532		18 31	546	11 40	515	31	18
544	545	541	540	540	538	539	538	533		17 04	541	11 05	508	33	19
540	539	536	535	537	538	534	537	533		21 01	540	12 00	507	33	20
547	545	537	534	535	536	536	536	535		17 08	547	10 40	517	30	21
542	539	538	537	537	538	537	537	530		17 12	547	11 20	509	38	22
546	546	539	535	534	534	533	534	533		17 15	548	11 15	507	41	23
538	537	536	535	534	531	530	530	531		16 00	538	11 00	512	26	24 *
538	545	548	546	540	537	535	534	531		18 25	549	12 11	504	45	25
536	538	542	539	538	537	537	531	530		22 10	548	12 30	504	44	26
545	548	549	544	540	539	537	534	533		18 15	551	12 00	510	41	27
538	539	539	541	540	537	536	535	533		19 21	545	12 25	507	38	28 *
538	542	542	541	539	540	533	532	533		17 55	543	12 10	510	33	29
532	533	533	533	534	535	536	536	531		07 15	542	13 10	517	25	30 *
531	534	537	537	542	539	536	528	530		20 23	545	10 55	509	36	31 **
542	543	543	541	539	538	536	534	533		-	547	-	511	36.1	Mean
539	539	538	538	538	536	535	535	533		-	543	-	514	28.8	Mean *
546	548	551	550	545	541	535	529	532		-	559	-	506	53.0	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
SEPTEMBER	43000 γ + Tabular Quantities (in γ)																
1	519	524	522	518	522	522	525	523	527	526	520	515	515	520	525	529	
2	519	519	522	527	530	532	536	537	537	530	524	522	520	525	531	536	
3	531	530	530	530	529	530	533	535	534	532	524	518	518	522	532	538	
4	536	536	536	536	535	537	537	537	535	529	524	522	524	525	530	539	
5	533	535	537	535	536	537	538	536	531	525	515	511	519	527	536	542	
6	536	537	538	539	540	540	540	540	536	527	514	511	516	525	535	540	
7 **	533	534	535	537	539	539	539	538	530	525	519	513	521	523	533	547	
8 **	526	531	525	530	534	533	533	530	528	517	509	514	523	535	543	550	
9	532	534	536	531	529	533	537	538	539	534	523	519	525	534	539	550	
10	527	517	514	527	533	538	540	542	539	531	525	523	516	518	524	534	
11	532	530	529	533	534	535	537	540	535	532	523	517	518	520	524	530	
12	534	534	533	535	537	538	539	539	534	527	520	517	514	516	522	529	
13 *	535	534	536	536	537	537	536	534	534	530	524	519	515	516	522	528	
14 *	537	536	537	536	537	538	539	539	537	534	529	525	523	522	527	533	
15 *	536	535	535	535	535	537	539	537	533	530	526	522	522	525	528	532	
16	535	535	535	534	532	532	535	536	535	528	524	518	516	518	526	534	
17	545	535	535	532	532	532	533	534	535	532	529	528	526	527	529	533	
18	535	536	536	535	535	535	535	537	538	534	528	523	523	525	530	536	
19 *	536	536	537	537	536	535	535	536	533	529	524	519	520	522	530	535	
20 *	536	537	537	537	536	536	535	536	535	528	523	519	517	522	529	535	
21	533	534	535	536	536	536	536	535	532	529	521	517	513	518	525	530	
22 **	530	530	515	493	508	522	526	528	531	530	528	523	522	528	535	541	
23	538	538	540	541	540	540	538	536	532	527	523	525	525	525	530	535	
24	538	540	541	541	540	540	540	540	539	533	527	524	521	526	532	542	
25	537	535	537	538	537	539	539	540	537	534	528	520	523	529	535	540	
26	536	536	536	537	538	542	543	543	541	537	527	520	519	525	532	538	
27	536	536	536	537	536	537	538	540	542	540	532	523	522	522	523	530	
28 **	534	530	522	526	527	530	534	537	536	533	531	532	527	538	545	579	
29	537	538	539	539	540	540	542	546	547	545	537	532	530	531	537	541	
30 **	538	538	538	538	533	527	525	527	533	536	536	527	527	528	539	542	
Mean	534	533	533	533	534	535	536	537	535	531	525	521	521	525	531	538	
Mean *	536	536	536	536	536	537	537	536	534	530	525	521	519	521	527	533	
Mean **	532	533	527	525	528	530	531	532	532	528	525	522	524	530	539	552	
OCTOBER	43000 γ + Tabular Quantities (in γ)																
1	534	528	533	536	533	533	535	537	538	537	532	522	523	527	535	543	
2	538	536	536	537	537	536	537	538	537	534	527	522	521	526	532	538	
3	539	538	538	538	537	537	537	538	538	539	536	533	532	530	537	547	
4 **	545	536	531	529	532	529	531	534	533	530	527	523	522	524	529	538	
5 **	527	532	527	527	532	535	535	536	537	536	529	527	530	536	540	542	
6	535	537	537	538	538	538	537	537	535	532	527	523	521	524	532	546	
7	526	524	520	526	527	528	531	534	533	529	525	519	523	529	536	543	
8	533	535	536	536	538	537	537	540	541	536	528	522	527	533	545	552	
9	527	532	537	537	537	537	538	537	535	535	532	528	525	529	536	545	
10	535	534	537	539	540	541	541	542	540	536	527	521	523	527	533	541	
11 *	537	537	537	538	539	540	541	544	543	537	528	522	522	528	531	537	
12	535	535	536	537	538	538	539	538	534	528	518	515	524	536	545	553	
13	541	539	537	537	537	539	540	542	542	539	530	527	528	533	539	546	
14	539	535	535	534	534	538	539	539	540	538	531	529	533	534	538	541	
15	539	536	537	537	538	538	539	543	542	539	533	529	530	535	539	545	
16	539	538	539	539	537	538	538	541	542	539	535	533	533	538	543	544	
17	538	537	538	538	537	537	537	539	540	536	529	530	534	537	543	545	
18	540	540	540	539	537	535	534	536	536	531	529	529	535	539	544	548	
19 **	527	530	534	536	536	534	532	533	530	526	519	521	524	532	543	559	
20	531	527	534	540	541	540	540	539	539	534	529	527	532	539	544	547	
21 **	536	536	538	539	540	540	540	540	540	537	528	528	530	534	542	550	
22 *	538	539	540	543	543	542	543	544	542	538	531	529	530	535	540	546	
23 *	538	539	540	541	542	543	543	543	540	532	527	528	531	536	541	545	
24	537	538	538	539	540	541	540	540	540	535	526	525	525	529	537	540	
25	532	529	530	534	537	538	539	540	539	535	524	520	520	526	536	540	
26 **	532	531	530	531	532	533	533	536	538	536	538	533	537	543	547	550	
27	537	538	539	539	539	540	540	543	543	539	533	531	532	536	539	545	
28	540	537	536	538	540	540	540	541	543	542	536	530	532	537	541	543	
29	540	540	539	536	536	537	539	540	541	540	534	532	535	540	545	548	
30 *	539	537	536	536	536	538	539	541	542	539	535	533	535	540	544	546	
31 *	540	540	540	540	539	538	538	539	539	536	534	535	536	539	542	544	
Mean	536	535	536	537	537	537	538	539	539	535	530	527	529	533	539	545	
Mean *	538	538	539	540	540	540	541	542	541	536	531	529	531	536	540	544	
Mean **	533	533	532	532	534	534	534	536	536	533	528	526	529	534	540	548	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Mean	Maximum		Minimum		Range	Date
43000 γ + Tabular Quantities (in γ)															SEPTEMBER
										h m		h m		γ	
540	551	543	540	539	544	535	529	528		17 20	557	12 07	513	44	1
536	537	537	538	534	532	534	535	530		19 34	541	00 40	513	28	2
540	544	542	542	539	534	535	535	532		20 05	551	12 20	516	35	3
541	540	538	540	540	536	528	532	534		20 00	543	11 10	519	24	4
545	543	538	536	534	534	535	535	533		16 40	547	11 20	510	37	5
542	542	542	538	534	539	546	527	534		22 36	559	11 05	509	50	6
558	565	568	554	540	537	532	517	536		18 47	583	11 35	508	75	7 **
551	560	553	546	544	539	536	532	534		17 48	568	10 31	507	61	8 **
559	558	557	549	547	539	530	532	538		17 00	560	11 10	518	42	9
540	542	544	544	542	539	535	534	532		19 18	547	02 17	508	39	10
536	537	538	537	538	538	536	535	532		07 15	540	11 40	514	26	11
534	534	534	535	535	536	535	535	531		06 32	540	12 34	511	29	12
531	534	536	537	538	538	537	536	532		20 22	540	12 30	515	25	13 *
537	539	538	538	538	539	538	537	535		07 05	540	13 10	521	19	14 *
535	536	535	536	536	536	536	536	533		06 16	540	11 52	521	19	15 *
544	550	557	564	566	566	556	548	538		20 58	571	12 32	514	57	16
536	539	539	540	541	540	537	536	534		00 12	546	12 16	524	22	17
537	537	535	535	536	537	535	536	534		03 02	538	11 33	521	17	18
536	533	532	533	532	532	534	535	532		00 15	538	11 29	519	19	19 *
537	536	534	533	532	532	534	533	532		02 00	538	12 00	516	22	20 *
531	530	531	531	530	531	531	531	530		04 30	537	12 37	513	24	21
545	545	545	544	540	539	536	535	530		17 54	548	03 08	447†	101	22 **
540	541	540	538	537	536	538	537	535		04 02	543	10 56	521	22	23
544	544	544	550	540	537	536	536	537		19 10	560	11 50	520	40	24
546	543	542	542	540	539	539	536	536		16 20	547	11 40	520	27	25
542	543	543	542	541	539	538	537	536		17 30	543	12 00	517	26	26
536	540	539	540	540	548	545	540	536		21 52	552	11 50	521	31	27
577	562	555	563	548	547	539	537	541		15 46	606†	02 13	512	94	28 **
544	543	542	543	543	543	543	542	540		08 32	549	12 57	530	19	29
551	552	552	547	547	546	545	535	538		17 00	565	06 50	522	43	30 **
542	543	542	542	540	539	537	535	534		-	551	-	514	37.2	Mean
535	536	535	535	535	535	536	535	533		-	539	-	518	20.8	Mean *
556	557	555	551	544	542	538	531	536		-	574	-	499	74.8	Mean **
43000 γ + Tabular Quantities (in γ)															OCTOBER
546	547	542	541	541	541	541	541	536		17 13	550	11 35	521	29	1
540	541	540	540	541	539	538	539	535		20 03	545	12 10	520	25	2
549	551	553	546	541	543	544	544	540		16 55	559	13 17	528	31	3
546	569	557	558	538	537	538	527	536		17 37	577	23 38	520	57	4 **
554	549	546	548	537	538	541	531	536		16 46	560	03 25	523	37	5 **
556	548	546	544	542	537	536	533	537		16 28	561	12 45	520	41	6
547	546	544	541	542	540	532	532	532		16 29	547	11 40	517	30	7
559	562	552	545	545	542	538	530	540		17 05	567	11 57	521	46	8
548	548	546	544	544	543	540	537	537		20 55	548	12 09	522	26	9
545	545	544	544	543	541	539	538	537		16 40	547	12 00	520	27	10
542	544	544	544	545	541	538	538	537		20 55	548	11 58	521	27	11 *
558	561	557	554	550	547	539	540	540		17 15	562	11 32	513†	49	12
548	547	547	547	548	547	544	542	540		16 48	548	11 56	526	22	13
542	541	540	540	540	540	540	540	538		16 00	543	11 07	527	16	14
546	543	543	546	544	544	543	540	540		15 50	547	11 33	527	20	15
543	541	541	542	541	541	539	538	539		07 56	544	11 55	532	12	16
546	544	542	541	541	541	541	540	539		16 10	546	10 57	529	17	17
543	541	544	549	550	547	545	533	539		15 38	552	11 20	526	26	18
575	568	565	557	549	540	537	535	539		16 12	585†	11 15	517	68	19 **
548	544	541	539	545	542	539	539	538		20 55	554	01 06	524	30	20
556	553	554	550	541	541	541	539	541		18 52	566	10 33	525	41	21 **
547	546	545	542	540	538	538	537	540		16 03	548	11 20	527	21	22 *
546	546	544	541	540	539	538	538	539		16 05	547	11 20	525	22	23 *
540	540	541	540	540	539	537	534	537		05 05	542	11 15	524	18	24
541	540	540	540	539	538	538	536	535		08 02	541	12 05	518	23	25
549	548	548	546	548	545	543	539	539		15 22	552	02 23	527	25	26 **
547	544	543	545	546	542	541	540	540		16 19	548	11 44	531	17	27
542	542	542	544	542	542	540	540	540		19 42	547	11 55	528	19	28
547	548	548	548	546	545	544	542	541		17 05	548	11 22	531	17	29
546	545	542	542	542	542	541	541	540		16 02	547	11 32	532	15	30 *
541	540	539	538	538	538	540	540	539		15 00	545	10 29	533	12	31 *
548	547	546	545	543	541	540	538	538		-	552	-	524	27.9	Mean
544	544	543	541	541	540	539	539	539		-	547	-	528	19.4	Mean *
556	557	554	552	543	540	540	534	538		-	568	-	522	54.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h
NOVEMBER	43000 γ + Tabular Quantities (in γ)																
1 **	540	539	540	539	536	534	532	531	530	526	520	518	523	529	534	537	
2 **	537	540	539	540	539	540	538	536	535	530	528	529	531	537	541	544	
3	540	541	541	540	540	541	540	539	538	536	532	532	536	541	546	548	
4	540	541	541	540	541	540	540	539	538	535	530	529	533	541	546	548	
5	536	537	540	541	541	541	541	541	538	533	528	527	530	537	543	547	
6	541	541	542	542	542	542	541	540	538	533	530	529	531	535	541	543	
7 *	538	539	540	540	541	542	542	541	539	532	525	527	531	537	541	542	
8	536	536	536	536	535	535	535	535	535	530	525	525	529	536	540	541	
9 **	536	531	526	528	521	524	529	531	531	531	529	531	533	536	541	545	
10	530	533	527	531	535	539	540	540	540	538	534	532	533	539	542	542	
11	538	538	538	539	539	539	540	540	539	536	532	534	537	541	543	543	
12	539	536	534	536	536	538	539	539	538	533	531	530	531	536	542	544	
13	540	540	539	538	539	540	540	539	538	536	533	533	536	540	543	545	
14 *	542	542	542	542	541	541	541	541	541	539	534	534	539	546	549	548	
15 **	541	541	540	539	539	539	539	539	538	536	532	532	534	538	540	539	
16	539	541	543	543	543	539	539	536	537	537	536	537	538	542	546	547	
17	542	542	544	543	541	540	539	538	537	536	534	535	537	542	547	547	
18	543	544	543	543	542	540	538	536	535	534	532	532	534	539	543	543	
19 *	540	541	543	543	542	541	539	537	537	537	535	534	537	542	545	545	
20	539	541	542	542	541	540	539	537	534	532	532	532	533	538	540	540	
21	537	538	539	539	540	540	539	537	534	533	527	526	529	535	539	540	
22	533	534	536	537	538	539	538	536	534	531	526	527	532	535	538	540	
23 **	532	531	532	533	530	527	528	531	531	528	528	536	540	543	551	560	
24 *	544	543	543	544	545	545	545	543	542	539	537	535	535	538	541	542	
25 *	539	539	539	539	540	541	541	540	538	536	533	533	532	534	537	537	
26	536	535	535	533	534	534	534	535	536	536	535	535	538	540	542	545	
27	542	541	541	540	540	540	540	541	542	539	536	535	533	534	534	535	
28	542	541	538	533	533	534	536	537	537	536	535	535	537	539	541	539	
29	541	541	539	538	537	537	537	537	537	536	534	534	537	541	542	540	
30	544	538	537	536	535	532	533	534	535	534	533	533	534	537	539	539	
Mean	539	539	539	539	538	538	538	538	537	534	531	531	534	538	542	543	
Mean *	541	541	541	542	542	542	542	540	539	537	533	533	535	539	543	543	
Mean **	537	536	535	536	533	533	533	534	533	530	527	529	532	537	541	545	
DECEMBER	43000 γ + Tabular Quantities (in γ)																
1	539	536	536	537	536	535	534	533	533	533	533	533	533	539	546	548	
2	541	541	541	540	539	538	536	535	536	534	532	530	531	537	542	542	
3	537	538	539	539	538	536	535	534	534	532	527	528	532	535	543	543	
4	539	540	541	540	540	539	538	536	536	532	530	530	530	535	538	539	
5 *	537	538	538	538	538	539	538	537	536	535	530	528	530	535	539	541	
6	535	536	536	538	538	538	537	535	533	531	529	530	531	534	538	541	
7 **	532	533	533	534	534	535	536	534	532	530	528	526	526	529	534	539	
8	536	534	535	536	537	537	538	538	537	535	530	528	526	533	542	545	
9	536	535	536	536	537	537	537	537	537	536	533	532	532	536	538	539	
10	532	534	536	536	537	537	538	538	538	537	535	531	529	533	537	539	
11	535	535	535	535	536	536	537	537	535	533	527	525	529	534	538	539	
12 *	536	535	535	535	535	535	535	536	536	535	532	532	533	533	535	535	
13 **	535	534	533	532	531	531	531	531	531	529	529	531	531	530	532	532	
14	539	537	536	535	535	535	535	536	535	533	531	532	533	536	538	540	
15	537	533	532	533	534	531	533	533	534	535	535	536	540	541	542	541	
16 **	536	534	534	534	532	531	530	530	531	531	531	532	533	536	546	544	
17 **	538	524	523	527	531	533	534	534	534	535	531	531	531	535	539	542	
18	538	538	539	539	539	539	537	535	536	534	534	538	538	539	543	545	
19 **	542	542	542	541	540	539	537	535	535	534	533	534	534	537	544	547	
20	540	540	541	541	540	539	537	537	537	536	534	534	532	539	542	542	
21	534	536	537	538	539	539	538	537	536	535	533	532	530	535	539	540	
22	534	534	535	536	537	538	539	538	537	534	530	527	526	532	538	539	
23	532	533	534	535	536	537	537	536	535	532	530	525	525	534	538	538	
24	535	535	535	536	536	537	538	538	538	538	534	530	530	535	538	538	
25	535	534	534	535	535	536	537	538	539	540	537	531	529	532	536	535	
26	537	536	535	535	535	535	536	537	537	537	534	533	535	540	541	539	
27 *	539	537	536	536	536	536	536	536	537	537	535	534	532	535	536	534	
28	537	537	536	535	534	534	534	536	537	537	537	537	536	538	541	540	
29	538	538	537	536	534	534	534	535	537	536	535	536	537	537	539	540	
30 *	539	538	537	536	536	535	535	535	536	535	534	537	537	540	543	541	
31 *	537	537	537	537	536	535	534	533	534	532	532	534	536	539	543	539	
Mean	537	536	536	536	536	536	536	535	535	534	532	532	532	536	540	540	
Mean *	538	537	537	536	536	536	536	535	536	535	533	533	534	536	539	538	
Mean **	537	533	533	534	534	534	534	533	533	532	530	531	531	533	539	541	

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Date
43000 γ + Tabular Quantities (in γ)															NOVEMBER
										h m		h m		γ	
538	550	553	551	545	543	552	541	537		18 46	559	11 00	517†	42	1 **
542	542	541	541	541	541	540	537	538		16 03	545	10 29	525	20	2 **
548	545	542	541	541	539	539	539	540		15 20	549	10 35	531	18	3
546	545	543	541	540	541	542	540	540		15 14	548	11 20	528	20	4
550	547	546	552	544	542	541	540	540		19 30	558	11 29	526	32	5
544	545	545	544	542	540	538	538	539		17 45	546	11 43	527	19	6
543	543	541	540	539	537	536	537	538		17 00	544	10 38	524	20	7 *
541	541	541	546	541	540	538	537	536		19 53	549	11 28	524	25	8
547	553	549	551	551	548	542	531	536		17 26	558	04 45	517†	41	9 **
542	542	543	545	544	541	540	539	538		19 12	546	02 42	524	22	10
543	542	541	541	540	540	540	540	539		15 02	545	10 20	531	14	11
545	544	544	546	550	546	542	541	539		20 50	554	11 27	528	26	12
546	545	543	543	542	542	542	541	540		16 57	548	10 50	532	16	13
545	544	543	542	542	542	542	541	542		14 43	549	11 04	532	17	14 *
544	544	555	552	546	545	548	550	541		23 10	567	10 34	530	37	15 **
547	546	545	545	549	545	544	543	542		20 36	550	07 35	535	15	16
546	544	543	543	542	542	543	543	541		15 35	548	11 05	533	15	17
544	543	542	539	539	540	541	542	540		00 32	545	10 55	530	15	18
543	542	540	539	539	537	538	538	540		14 55	547	11 15	533	14	19 *
543	542	541	538	537	537	538	537	538		02 30	544	10 53	529	15	20
542	542	541	539	538	537	536	534	537		17 00	543	11 40	525	18	21
542	543	543	544	543	543	540	536	537		21 43	548	10 53	525	23	22
565	569	570	564	558	552	549	546	543		18 30	571†	05 17	520	51	23 **
543	543	544	544	543	543	542	541	542		06 12	546	11 40	534	12	24 *
537	538	538	538	540	540	539	537	538		05 10	541	12 10	531	10	25 *
549	558	556	552	551	551	549	544	541		17 48	558	03 40	531	27	26
537	538	538	540	543	544	544	542	539		00 22	543	12 40	533	10	27
539	549	546	543	543	542	541	540	539		17 55	553	04 10	531	22	28
539	538	538	538	538	539	539	544	538		23 59	557	11 10	533	24	29
538	538	536	536	537	539	542	543	537		00 03	558	05 15	530	28	30
544	545	544	544	543	542	542	540	539		-	551	-	528	33.3	Mean
542	542	541	541	541	540	539	539	540		-	545	-	531	14.6	Mean *
547	552	554	552	548	546	546	541	539		-	560	-	522	38.2	Mean **
43000 γ + Tabular Quantities (in γ)															DECEMBER
545	543	542	541	540	538	539	540	538		14 39	548	12 26	530	18	1
542	539	537	538	537	538	539	537	538		15 10	543	11 20	530	13	2
543	542	543	547	543	540	538	538	538		19 44	550	10 40	526	24	3
540	543	542	541	540	538	537	537	538		17 52	546	11 54	528	18	4
542	541	540	539	537	535	534	534	537		16 00	542	11 30	527	15	5 *
540	540	540	540	540	537	535	533	536		20 33	544	10 20	529	15	6
544	549	553	547	545	545	542	535	536		18 26	553	12 41	525	28	7 **
545	545	545	544	543	541	539	537	538		16 27	545	12 34	524	21	8
541	541	542	542	542	541	536	532	537		19 50	542	11 00	531	11	9
540	541	541	541	540	538	537	536	537		19 40	541	12 30	528	13	10
539	539	539	539	540	540	538	537	536		20 50	541	11 05	524	17	11
535	535	535	536	536	538	537	536	535		21 07	541	10 20	531	10	12 *
534	537	544	547	545	543	541	540	535		19 12	552	10 46	528	24	13 **
540	542	540	541	544	543	541	539	537		20 35	547	10 14	530	17	14
540	538	537	537	536	537	538	539	536		13 50	542	05 30	529	13	15
541	539	538	537	538	542	543	541	536		14 37	551	07 50	529	22	16 **
544	544	545	542	539	540	541	542	536		18 40	547	01 40	520†	27	17 **
544	541	539	539	539	539	541	541	539		15 29	546	09 50	532	14	18
549	547	547	552	544	543	541	540	541		19 26	559†	10 00	532	27	19 **
543	543	544	541	539	537	537	536	539		18 38	546	12 22	530	16	20
541	542	543	542	541	539	536	535	537		18 23	544	12 40	529	15	21
539	539	539	539	538	538	536	535	536		19 12	540	12 06	525	15	22
539	540	540	540	540	540	539	535	536		21 49	542	12 00	522	20	23
540	540	540	541	542	539	538	537	537		20 13	544	12 14	529	15	24
535	535	536	539	541	541	541	539	536		21 54	550	12 38	529	21	25
538	539	540	540	540	541	539	539	537		14 40	541	11 41	532	9	26
535	536	537	537	537	538	538	538	536		00 23	540	12 13	531	9	27 *
536	535	536	540	539	539	539	538	537		19 25	543	04 27	533	10	28
537	537	537	537	537	537	538	538	537		00 30	540	11 10	533	7	29
538	537	536	536	537	537	537	537	537		14 40	543	10 00	532	11	30 *
538	537	536	536	537	536	536	536	536		14 20	544	10 20	531	13	31 *
540	540	540	541	540	539	538	537	537		-	545	-	529	16.4	Mean
538	537	537	537	537	537	536	536	536		-	542	-	530	11.6	Mean *
542	543	545	545	542	543	542	540	537		-	552	-	527	25.6	Mean **

* International Quiet Day. ** International Disturbed Day. † Indicates extreme monthly value.

TABLE IV. - K-INDICES

Date	January		February		March		April		May		June	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	1012 2232	13	3211 2233	17	2011 2121	10	0001 2657	21	5333 2322	23	0111 2312	11
2	1455 4543	31	3111 2200	10	0000 0001	1	5332 2453	27	2232 2113	16	0102 2221	10
3	4322 3444	26	0000 1002	3	1012 2135	15	3322 3333	22	2211 1112	11	1211 2111	10
4	4322 3344	25	1132 3213	16	4534 3655	35	3221 2223	17	1001 1121	7	2101 2211	10
5	2221 2232	16	1212 1235	17	5333 3355	30	2212 1234	17	2322 2110	13	1100 2211	8
6	2202 1111	10	4443 3344	29	4313 3432	23	2101 0123	10	0011 1220	7	0211 2000	6
7	0112 3221	12	2323 2434	23	3212 2243	19	3120 2232	15	1211 0000	5	0001 2133	10
8	2002 1143	13	3201 1346	20	4332 3134	23	3123 3243	21	0000 0100	1	3222 3221	17
9	4322 2345	25	4222 2423	21	2322 1100	11	2312 2210	13	1000 1110	4	1212 3422	17
10	4332 3324	24	2111 2233	14	0000 1232	8	1013 1011	8	3222 3444	24	2544 5444	32
11	3222 2121	15	2101 1001	6	1222 2121	13	0122 4331	16	5431 1211	18	4433 3424	27
12	3210 1122	12	2233 3322	20	3422 3322	21	1010 0102	5	1111 0100	5	3223 3323	21
13	2210 1012	9	4434 3433	28	1313 3113	16	1100 0222	8	0111 3554	20	2323 2322	19
14	1001 0101	4	0322 2233	17	2121 2133	15	1002 2101	7	2233 4433	24	1222 2123	15
15	0000 0101	2	2112 2130	12	3221 2232	17	1012 3214	14	2532 3324	24	3221 2222	16
16	2234 3553	27	1022 1121	10	3111 2322	15	3211 3221	15	4243 3342	25	2111 1211	10
17	3333 3111	18	1011 2331	12	2233 3221	18	4333 2432	24	2122 3223	17	0221 2100	8
18	3212 1230	14	0021 1321	10	0021 1010	5	0123 4444	22	1212 2200	10	1002 3223	13
19	0000 2242	10	0101 0000	2	0011 1101	5	4223 3344	25	2111 0231	11	0012 1222	10
20	3211 2101	11	0012 3456	21	0012 2242	13	3232 2334	22	1111 2220	10	2312 4341	20
21	2100 0000	3	4322 2331	20	4211 1233	17	4111 1133	15	0102 2322	12	4222 1231	17
22	2111 1200	8	1110 2232	12	2122 5455	26	0001 0011	3	0111 2111	8	0111 2322	12
23	1002 1211	8	1110 1331	11	3435 3443	29	1110 0011	5	2211 1214	14	2112 3323	17
24	2322 3223	19	0112 2213	12	1333 3422	21	0001 1222	8	4433 3333	26	2010 1232	11
25	4121 1155	20	1223 2463	23	3222 3343	22	2123 3234	20	2155 4444	29	2332 2221	17
26	3020 2032	12	2424 4203	21	2322 3120	15	3332 2222	19	4210 2220	13	1111 2212	11
27	2100 0032	8	4211 2443	21	2010 0111	6	3322 3554	27	2233 3323	21	0011 3322	12
28	1121 2133	14	3333 3321	21	0010 0100	2	5443 3244	29	2212 2333	18	0213 3432	18
29	3333 3333	24	2222 1123	15	0000 2222	8	4212 2241	18	1220 2122	12	1112 2320	12
30	3211 3213	16			2422 3533	24	1001 1334	13	1011 2124	12	1211 1121	10
31	1014 4554	24			0001 1120	5			2211 2000	8		

FOR THE YEAR 1964

Date	July		August		September		October		November		December	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	2112 1211	11	3211 2122	14	5431 3424	26	3321 2201	14	1211 2445	20	2212 2222	15
2	0001 2222	9	0210 0213	9	4222 2232	19	3010 0131	9	4332 1113	18	1100 0012	5
3	3333 3344	26	2111 2212	12	3211 2342	18	2011 2332	14	2110 0100	5	1101 2130	9
4	2222 2221	15	5643 3333	30	1222 2123	15	3423 2554	28	0201 2113	10	0000 0220	4
5	2112 2222	14	2213 4443	23	2311 2111	12	4223 3344	25	3101 3242	16	1100 0000	2
6	2122 2222	15	3311 1002	11	1011 2135	14	3122 3333	20	1101 1121	8	0000 0032	5
7	1312 3344	21	4222 2322	19	3334 4355	30	4322 1134	20	1000 0001	2	1102 3334	17
8	4423 4344	28	2110 0022	8	4333 2443	26	2222 2443	21	2111 2042	13	2211 1121	11
9	4222 3344	24	2312 3231	17	2323 3343	23	3232 2132	18	4422 1334	23	0111 0113	8
10	4332 3321	21	1011 0011	5	4310 1223	16	2001 1110	6	4221 2021	14	1110 0000	3
11	3112 3221	15	4433 4444	30	2211 1002	9	0000 2222	8	0121 1112	9	0100 0011	3
12	1211 2132	13	4233 3342	24	2110 1100	6	2023 3323	18	2210 2233	15	0000 0012	3
13	2212 2121	13	3212 2233	18	1001 0021	5	2221 2222	15	0111 1210	7	1101 2431	13
14	0110 1100	4	1112 1222	12	1000 0102	4	3322 1002	13	0000 0000	0	1012 1232	12
15	1000 0000	1	2100 0112	7	1000 0112	5	3131 1222	15	0002 3334	15	3320 2111	13
16	1212 3333	18	2222 1322	16	1211 3333	17	2210 0112	9	2232 2223	18	3212 5122	18
17	3122 4542	23	3211 2220	13	3222 3222	18	2221 1201	11	2110 1210	8	4322 1132	18
18	4424 3423	26	2222 2222	16	2211 2112	12	2222 3234	20	2011 0213	10	3111 1011	9
19	2333 2224	21	0012 2213	11	1000 1101	4	3333 4544	29	2100 0001	4	2211 2342	17
20	3222 2131	16	1100 1223	10	0000 0002	2	3112 2244	19	1101 0001	4	0002 0033	8
21	2112 2333	17	0111 1321	10	0001 1123	8	3222 3342	21	0000 1002	3	1010 1210	6
22	2222 3332	19	3312 2221	16	6632 2223	26	2111 0000	5	2102 1123	12	2000 0102	5
23	2021 1221	11	2011 1211	9	2232 1012	13	0000 0000	0	3324 4231	22	1120 1102	8
24	0102 2112	9	0111 0221	8	1213 2242	17	0001 0223	8	1000 0001	2	0000 0222	6
25	1112 2222	13	1210 2342	15	2210 0012	8	3111 1002	9	0000 0120	3	0000 1123	7
26	2121 2211	12	3321 3223	19	2021 1101	8	3243 2132	20	1312 2323	17	3100 1001	6
27	0111 1111	7	3222 2321	17	0010 1124	9	1112 2221	12	1100 0032	7	0000 0102	3
28	1100 1111	6	0000 1020	3	5343 3553	31	2111 2132	13	3211 2432	18	1100 0032	7
29	1224 3442	22	1002 1223	11	1121 2013	11	2311 0222	13	0000 0114	6	1121 1100	7
30	3332 3332	22	0000 0111	3	2443 3434	27	2111 0000	5	4331 0112	15	1100 1000	3
31	2132 2222	16	2212 3234	19			1000 0002	3			0000 0010	1

TABLE V. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS

All Days

DECLINATION WEST (Unit 0'.01)

Month and Season, 1964	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	-151	- 99	- 9	+ 10	- 5	+ 33	+ 29	- 2	- 54	- 62	+ 68	+158	+253
February	-177	- 66	- 42	+ 16	- 16	- 34	- 18	- 65	-122	-136	- 46	+143	+303
March	-108	- 73	- 81	-103	- 96	-138	-158	-191	*-238*	-178	+ 14	+238	+467
April	-139	- 91	-124	-197	-193	-208	-285	-366	*-380*	-245	+ 36	+329	+549
May	-141	-154	-153	-136	-201	-360	*-391*	-382	-314	-145	+ 95	+292	+454
June	- 67	-105	-111	-132	-218	-335	*-435*	-411	-361	-229	- 3	+210	+398
July	- 82	- 61	-125	-153	-213	-341	-409	*-415*	-382	-283	- 88	+143	+376
August	-115	-129	-116	-179	-225	-250	-322	*-351*	-312	-162	+ 68	+318	+486
September	-122	-121	- 78	-139	-160	-155	-202	-264	*-291*	-201	+ 17	+244	+445
October	-121	-101	- 90	- 67	- 76	- 71	- 86	-165	*-236*	-190	- 18	+232	+398
November	-115	- 76	- 19	- 38	- 28	- 42	- 66	- 86	-105	- 84	+ 45	+181	+265
December	- 93	- 25	- 27	- 6	+ 7	+ 14	- 13	- 43	- 75	- 85	- 13	+ 98	+205
Year	-119	- 92	- 81	- 94	-119	-157	-196	-228	*-239*	-167	+ 15	+216	+383
Winter	-134	- 66	- 24	- 4	- 10	- 7	- 17	- 49	- 89	- 92	+ 14	+145	+256
Equinox	-122	- 96	- 93	-126	-131	-143	-183	-246	*-286*	-204	+ 12	+261	+465
Summer	-101	-112	-126	-150	-214	-322	-389	*-390*	-342	-205	+ 18	+241	+428

INCLINATION (Unit 0'.01)

January	- 12	- 12	- 23	- 31	- 37	- 62	*- 72*	- 67	- 53	- 9	+ 37	*+ 56*	+ 51
February	- 1	- 18	- 26	- 32	- 45	- 47	- 59	*- 77*	- 56	- 10	+ 31	+ 50	+ 49
March	- 44	- 30	- 33	- 24	- 32	*- 45*	- 40	- 24	- 2	+ 32	*+ 62*	+ 57	+ 35
April	- 46	- 48	- 42	- 28	- 21	- 24	- 29	- 8	+ 34	+ 74	*+ 95*	+ 84	+ 63
May	- 45	- 24	- 19	- 14	- 15	+ 5	+ 36	+ 54	+ 67	*+ 72*	+ 36	+ 12	0
June	- 43	- 40	- 31	- 31	- 33	- 8	+ 35	+ 60	+ 75	*+ 79*	+ 69	+ 35	+ 38
July	- 49	- 55	- 32	- 11	- 8	- 5	+ 23	+ 47	+ 61	*+ 81*	+ 80	+ 78	+ 32
August	- 43	- 41	- 40	- 29	- 22	+ 2	+ 21	+ 41	+ 59	*+ 60*	+ 50	+ 26	+ 10
September	- 51	- 39	- 31	- 28	- 24	- 25	- 20	+ 18	+ 47	+ 72	*+ 81*	+ 63	+ 32
October	- 54	- 53	- 30	- 29	- 37	- 50	- 55	- 37	+ 9	+ 46	+ 61	+ 55	+ 54
November	- 7	+ 1	- 5	- 23	- 35	- 43	*- 46*	- 43	- 24	+ 3	+ 16	+ 17	+ 20
December	+ 8	+ 1	0	- 3	- 19	- 31	- 45	*- 49*	- 36	- 7	+ 13	+ 17	+ 15
Year	- 32	- 30	- 26	- 24	- 27	- 28	- 21	- 7	+ 15	+ 41	*+ 53*	+ 46	+ 33
Winter	- 3	- 7	- 14	- 22	- 34	- 46	- 56	*- 59*	- 42	- 6	+ 24	*+ 35*	+ 34
Equinox	- 49	- 42	- 34	- 27	- 28	- 36	- 36	- 13	+ 22	+ 56	*+ 75*	+ 65	+ 46
Summer	- 45	- 40	- 30	- 21	- 20	- 2	+ 29	+ 50	+ 66	*+ 73*	+ 59	+ 38	+ 20

HORIZONTAL INTENSITY (Unit 0.1γ)

January	+ 16	+ 8	+ 18	+ 29	+ 43	+ 80	*+ 95*	+ 88	+ 69	- 3	- 78	*-105*	- 95
February	0	+ 18	+ 27	+ 34	+ 55	+ 61	+ 79	*+107*	+ 78	+ 4	- 72	*-115*	-112
March	+ 63	+ 37	+ 41	+ 27	+ 39	+ 59	+ 57	+ 36	- 1	- 69	-140	*-149*	-113
April	+ 62	+ 60	+ 54	+ 40	+ 32	+ 40	+ 55	+ 20	- 60	-147	-209	*-211*	-175
May	+ 68	+ 36	+ 33	+ 27	+ 31	+ 8	- 46	- 86	-126	*-155*	-128	-106	- 78
June	+ 72	+ 66	+ 52	+ 52	+ 62	+ 27	- 44	- 89	-125	-155	*-167*	-134	-131
July	+ 74	+ 76	+ 40	+ 14	+ 18	+ 23	- 22	- 62	- 92	-143	*-164*	-162	-121
August	+ 69	+ 65	+ 60	+ 43	+ 38	+ 7	- 21	- 51	- 92	-116	*-129*	-113	- 87
September	+ 75	+ 55	+ 40	+ 37	+ 35	+ 41	+ 39	- 17	- 67	-123	*-163*	-154	-106
October	+ 71	+ 66	+ 33	+ 36	+ 50	+ 72	+ 80	+ 60	- 11	- 82	-129	*-134*	-123
November	+ 9	- 3	+ 5	+ 32	+ 49	+ 60	*+ 65*	+ 58	+ 26	- 26	- 59	*- 60*	- 53
December	- 13	- 6	- 5	+ 1	+ 25	+ 43	+ 63	*+ 68*	+ 48	0	- 40	*- 49*	- 45
Year	+ 47	+ 40	+ 33	+ 31	+ 40	+ 43	+ 33	+ 11	- 29	- 85	-123	*-124*	-103
Winter	+ 3	+ 4	+ 11	+ 24	+ 43	+ 61	+ 76	*+ 80*	+ 55	- 6	- 62	*- 82*	- 76
Equinox	+ 68	+ 54	+ 42	+ 35	+ 39	+ 53	+ 58	+ 25	- 35	-105	-160	*-162*	-129
Summer	+ 71	+ 61	+ 46	+ 34	+ 37	+ 16	- 33	- 72	-109	-142	*-147*	-129	-104

DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

All Days

DECLINATION WEST (Unit 0.'01)

Universal Time. Hour commencing											Range	Month and Season, 1964
13	14	15	16	17	18	19	20	21	22	23	'	
+304	+245	+142	+ 69	+ 4	- 68	- 95	-175	-214	-215	-168	5.19	January
+396	+394	+292	+165	+ 71	- 65	-109	- 94	-202	-333	-248	7.29	February
+503	+439	+289	+133	+ 10	- 52	-132	-162	-118	-141	-125	7.41	March
+632	+570	+414	+253	+115	+ 39	- 20	-146	-186	-159	-200	10.12	April
+497	+447	+327	+240	+177	+102	+ 5	- 20	- 39	- 90	-106	8.88	May
+479	+485	+396	+275	+170	+ 97	+ 40	+ 20	- 35	- 71	- 55	9.20	June
+490	+500	+412	+312	+214	+139	+ 67	+ 18	- 19	- 50	- 58	9.15	July
+542	+464	+330	+190	+ 79	- 7	- 34	- 50	- 57	- 64	-105	8.93	August
+518	+479	+340	+202	+ 76	+ 16	- 66	- 90	-116	-191	-141	8.09	September
+457	+384	+314	+152	+ 68	+ 3	- 98	-153	-191	-189	-166	6.93	October
+273	+227	+174	+133	+ 57	- 2	- 79	-132	-140	-170	-177	4.50	November
+234	+177	+112	+ 76	+ 49	+ 2	- 75	-100	-130	-155	-143	3.89	December
+444	+401	+295	+183	+ 91	+ 17	- 50	- 90	-121	-152	-141	7.46	Year
+302	+261	+180	+111	+ 45	- 33	- 90	-125	-172	-218	-184	5.22	Winter
+528	+468	+339	+185	+ 67	+ 2	- 79	-138	-153	-170	-158	8.14	Equinox
+502	+474	+366	+254	+160	+ 83	+ 20	- 8	- 38	- 69	- 81	9.04	Summer

INCLINATION (Unit 0.'01)

											'	
+ 30	+ 27	+ 33	+ 45	+ 36	+ 19	+ 9	+ 15	+ 20	- 1	- 2	1.28	January
+ 31	+ 29	+ 21	+ 32	+ 52	+ 42	+ 18	+ 3	0	+ 11	+ 5	1.29	February
+ 18	+ 22	+ 42	+ 41	+ 41	+ 18	+ 6	+ 1	- 22	- 42	- 43	1.07	March
+ 35	+ 24	+ 21	+ 14	+ 2	+ 3	- 20	- 24	- 37	- 53	- 77	1.72	April
+ 14	+ 26	+ 29	+ 20	- 21	- 43	- 44	- 30	- 31	- 45	- 46	1.18	May
+ 58	+ 39	+ 31	+ 12	- 11	- 45	- 75	- 65	- 54	- 57	- 43	1.54	June
+ 40	+ 44	+ 16	+ 2	- 9	- 35	- 51	- 58	- 65	- 62	- 64	1.46	July
+ 2	+ 23	+ 41	+ 31	+ 17	- 8	- 25	- 32	- 35	- 51	- 58	1.18	August
+ 6	+ 16	+ 24	+ 37	+ 22	- 1	- 22	- 32	- 35	- 51	- 53	1.34	September
+ 53	+ 55	+ 73	+ 65	+ 47	+ 2	- 15	- 27	- 37	- 45	- 61	1.34	October
+ 28	+ 32	+ 39	+ 37	+ 30	+ 24	+ 6	+ 2	- 2	0	- 18	0.85	November
+ 20	+ 20	+ 12	+ 18	+ 16	+ 15	+ 14	+ 8	+ 12	+ 4	+ 2	0.69	December
+ 28	+ 30	+ 32	+ 30	+ 18	- 1	- 17	- 20	- 24	- 33	- 38	1.24	Year
+ 27	+ 27	+ 26	+ 33	+ 34	+ 25	+ 12	+ 7	+ 8	+ 4	- 3	1.03	Winter
+ 28	+ 29	+ 40	+ 39	+ 28	+ 6	- 13	- 20	- 33	- 48	- 58	1.37	Equinox
+ 28	+ 33	+ 29	+ 16	- 6	- 33	- 49	- 46	- 46	- 54	- 53	1.34	Summer

HORIZONTAL INTENSITY (Unit 0.1γ)

											γ	
- 49	- 22	- 22	- 39	- 25	- 2	+ 9	- 4	- 16	+ 10	+ 3	20.0	January
- 70	- 47	- 12	- 16	- 42	- 21	+ 7	+ 19	+ 20	+ 2	- 3	22.2	February
- 57	- 32	- 32	- 14	- 11	+ 14	+ 31	+ 29	+ 52	+ 73	+ 67	22.2	March
-102	- 43	- 7	+ 25	+ 61	+ 58	+ 83	+ 82	+ 85	+ 95	+114	32.5	April
- 66	- 47	- 17	+ 13	+ 84	+116	+115	+ 84	+ 76	+ 92	+ 81	27.1	May
-135	- 78	- 37	+ 16	+ 63	+118	+158	+131	+107	+103	+ 75	32.5	June
-114	- 85	- 12	+ 25	+ 52	+ 95	+117	+119	+119	+103	+ 99	28.3	July
- 52	- 49	- 43	- 9	+ 18	+ 55	+ 76	+ 77	+ 75	+ 90	+ 94	22.3	August
- 51	- 39	- 19	- 20	+ 7	+ 37	+ 66	+ 72	+ 74	+ 90	+ 82	25.3	September
-101	- 79	- 80	- 57	- 31	+ 30	+ 50	+ 60	+ 69	+ 74	+ 88	22.2	October
- 46	- 37	- 41	- 35	- 21	- 13	+ 12	+ 13	+ 15	+ 11	+ 31	12.5	November
- 36	- 19	- 4	- 13	- 10	- 8	- 5	+ 1	- 7	0	- 1	11.7	December
- 73	- 48	- 27	- 10	+ 12	+ 40	+ 60	+ 57	+ 56	+ 62	+ 61	23.2	Year
- 50	- 31	- 20	- 26	- 24	- 11	+ 6	+ 7	+ 3	+ 6	+ 8	16.6	Winter
- 78	- 48	- 34	- 16	+ 6	+ 35	+ 58	+ 61	+ 70	+ 83	+ 88	25.6	Equinox
- 92	- 65	- 27	+ 11	+ 54	+ 96	+116	+103	+ 94	+ 97	+ 87	27.5	Summer

TABLE V. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL

All Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1964	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	+ 30	+ 17	+ 19	+ 28	+ 43	+ 76	+ *91*	+ 87	+ 73	+ 3	- 83	-*118*	-117
February	+ 16	+ 24	+ 30	+ 32	+ 56	+ 63	+ 80	+*111*	+ 88	+ 16	- 67	-126	-*138*
March	+ 72	+ 43	+ 48	+ 36	+ 47	+ 71	+ 71	+ 53	+ 21	- 52	-139	-*169*	-154
April	+ 74	+ 67	+ 65	+ 57	+ 49	+ 58	+ 80	+ 53	- 24	-123	-209	-*238*	-223
May	+ 80	+ 50	+ 47	+ 39	+ 49	+ 41	- 10	- 50	- 96	-*140*	-135	-131	-118
June	+ 77	+ 75	+ 61	+ 63	+ 81	+ 57	- 4	- 50	- 90	-132	-164	-151	-166
July	+ 80	+ 81	+ 51	+ 28	+ 37	+ 54	+ 16	- 23	- 56	-115	-154	-*173*	-154
August	+ 79	+ 76	+ 70	+ 59	+ 58	+ 30	+ 9	- 18	- *62*	-100	-133	-*140*	-130
September	+ 85	+ 65	+ 47	+ 49	+ 49	+ 55	+ 57	+ 7	- 39	-103	-162	-*174*	-145
October	+ 81	+ 74	+ 41	+ 42	+ 56	+ 77	+ 87	+ 74	+ 11	- 64	-126	-153	-*158*
November	+ 19	+ 4	+ 7	+ 35	+ 51	+ 63	+ *70*	+ 65	+ 35	- 18	- 62	- *76*	- *76*
December	- 4	- 4	- 2	+ 2	+ 24	+ 41	+ 63	+ *71*	+ 54	+ 8	- 38	- 57	- *63*
Year	+ 57	+ 48	+ 40	+ 39	+ 50	+ 57	+ 51	+ 32	- 7	- 68	-123	-*142*	-137
Winter	+ 15	+ 10	+ 14	+ 24	+ 44	+ 61	+ 76	+ *84*	+ 62	+ 2	- 62	- 94	- *98*
Equinox	+ 78	+ 62	+ 50	+ 46	+ 50	+ 65	+ 74	+ 47	- 8	- 86	-159	-*184*	-170
Summer	+ 79	+ 70	+ 57	+ 47	+ 56	+ 46	+ 3	- 35	- 76	-122	-146	-*149*	-142

WEST COMPONENT (Unit 0.1γ)

January	- 79	- 52	- 2	+ 10	+ 4	+ 31	+ 32	+ 14	- 18	- 34	+ 24	+ 68	+121
February	- 96	- 33	- 18	+ 14	+ 1	- 8	+ 3	- 17	- 53	- 73	- 37	+ 58	+145
March	- 48	- 33	- 37	- 51	- 45	- 65	- 76	- 97	-*129*	-108	- 16	+104	+233
April	- 65	- 39	- 58	-100	- 99	-106	-145	-194	-*215*	-157	- 15	+143	+267
May	- 65	- 77	- 77	- 69	-103	-193	-219	-*221*	-191	-104	+ 30	+140	+232
June	- 24	- 46	- 51	- 63	-107	-177	-*242*	-237	-216	-150	- 30	+ 91	+193
July	- 32	- 20	- 61	- 80	-112	-180	-225	-*235*	-222	-177	- 75	+ 50	+183
August	- 51	- 59	- 53	- 90	-115	-134	-178	-*198*	-184	-107	+ 15	+153	+248
September	- 53	- 56	- 35	- *69*	- 81	- 77	-103	-146	-*168*	-129	- 18	+106	+223
October	- 54	- 44	- 43	- 30	- 33	- 26	- 33	- 79	-*129*	-116	- 31	+103	+195
November	- 61	- 42	- 9	- 15	- 7	- 13	- 25	- 37	- 52	- 50	+ 14	+ 88	+134
December	- 52	- 15	- 15	- 3	+ 8	+ 15	+ 3	- 12	- 33	- 46	- 14	+ 45	+103
Year	- 57	- 43	- 38	- 46	- 57	- 78	-101	-122	-*134*	-104	- 13	+ 96	+190
Winter	- 72	- 36	- 11	+ 2	+ 2	+ 6	+ 3	- 13	- 39	- 51	- 3	+ 65	+126
Equinox	- 55	- 43	- 43	- 62	- 64	- 68	- 89	-129	-*160*	-128	- 20	+114	+230
Summer	- 43	- 50	- 60	- 76	-109	-171	-216	-*223*	-203	-134	- 15	+108	+214

VERTICAL COMPONENT (Unit 0.1γ)

January	- 4	- 23	- 37	- 40	- 30	- 32	- 31	- 29	- 26	- 39	- *50*	- 49	- 43
February	- 5	- 20	- 27	- 32	- 29	- 23	- 24	- 19	- 14	- 25	- 60	- *93*	- 88
March	- 6	- 17	- 20	- 22	- 22	- 19	- 9	+ 1	- 9	- 49	-108	-*146*	-141
April	- 18	- 27	- 22	- 6	0	+ 10	+ 26	+ 19	- 19	- 84	-154	-*194*	-186
May	+ 1	+ 1	+ 10	+ 14	+ 19	+ 36	+ 18	- 12	- 57	-108	-171	-*202*	-179
June	+ 18	+ 15	+ 12	+ 14	+ 30	+ 36	+ 21	+ 3	- 28	- 82	-145	-*188*	-169
July	+ 2	- 16	- 19	- 7	+ 15	+ 37	+ 29	+ 20	- 2	- 50	-101	-102	-*168*
August	+ 11	+ 7	- 2	0	+ 11	+ 23	+ 26	+ 25	- 9	- 58	-124	-*171*	-167
September	- 5	- 9	- 14	- 13	- 4	+ 8	+ 19	+ 23	+ 10	- 34	- 96	-*136*	-135
October	- 24	- 31	- 27	- 17	- 12	- 9	- 5	+ 9	+ 5	- 28	- 87	-*117*	- 98
November	- 3	- 4	- 6	- 6	- 10	- 11	- 11	- 17	- 25	- 49	- *80*	- 78	- 54
December	- 2	- 10	- 10	- 7	- 7	- 9	- 11	- 14	- 14	- 26	- 48	- *54*	- 51
Year	- 3	- 11	- 14	- 10	- 3	+ 4	+ 4	+ 1	- 16	- 53	-102	-*128*	-123
Winter	- 4	- 14	- 20	- 21	- 19	- 19	- 19	- 20	- 20	- 35	- 60	- *68*	- 59
Equinox	- 13	- 21	- 21	- 14	- 10	- 2	+ 8	+ 13	- 3	- 49	-111	-*148*	-140
Summer	+ 8	+ 2	0	+ 5	+ 19	+ 33	+ 24	+ 9	- 24	- 74	-135	-166	-*171*

COMPONENTS OF MAGNETIC INTENSITY

All Days

NORTH COMPONENT (Unit 0.1γ)

Universal Time. Hour commencing											Range	Month and Season, 1964
13	14	15	16	17	18	19	20	21	22	23	γ	
− 76	− 44	− 35	− 45	− 25	+ 4	+ 18	+ 12	+ 4	+ 29	+ 18	20.9	January
−105	− 82	− 38	− 31	− 48	− 15	+ 17	+ 27	+ 38	+ 32	+ 20	24.9	February
−102	− 72	− 58	− 26	− 12	+ 19	+ 43	+ 43	+ 62	+ *85*	+ 77	25.4	March
−158	− 94	− 45	+ 2	+ 50	+ 54	+ 84	+ 94	+101	+108	+*131*	36.9	April
−110	− 87	− 47	− 9	+ 67	+105	+*113*	+ 85	+ 78	+ 99	+ 90	25.3	May
−*177*	−121	− 73	− 9	+ 47	+107	+*152*	+127	+109	+108	+ 79	32.9	June
−157	−129	− 49	− 4	+ 32	+ 81	+109	+116	+*119*	+106	+103	29.2	July
−101	− 91	− 73	− 26	+ 11	+ 55	+ 78	+ 80	+ 79	+ 95	+*102*	24.2	August
− 98	− 82	− 50	− 38	0	+ 35	+ 71	+ 79	+ 84	+*106*	+ 94	28.0	September
−141	−113	−108	− 70	− 37	+ 29	+ 58	+ 73	+ 85	+ 90	+*102*	26.0	October
− 70	− 57	− 56	− 47	− 26	− 13	+ 19	+ 25	+ 28	+ 26	+ 47	14.6	November
− 57	− 35	− 14	− 20	− 14	− 8	+ 2	+ 10	+ 5	+ 14	+ 12	13.4	December
−113	− 84	− 54	− 27	+ 4	+ 38	+ 64	+ 64	+ 66	+ *75*	+ 73	25.1	Year
− 77	− 54	− 36	− 36	− 28	− 8	+ 14	+ 18	+ 19	+ 25	+ 24	18.4	Winter
−125	− 90	− 65	− 33	0	+ 34	+ 64	+ 72	+ 83	+ 97	+*101*	29.1	Equinox
−136	−107	− 60	− 12	+ 39	+ 87	+*113*	+102	+ 96	+102	+ 94	27.9	Summer

WEST COMPONENT (Unit 0.1γ)

											γ	
+*156*	+129	+ 73	+ 31	− 2	− 37	− 50	− 95	−*118*	−115	− 90	27.4	January
+202	+*205*	+156	+ 86	+ 31	− 39	− 58	− 48	−106	−*180*	−135	38.5	February
+*262*	+232	+151	+ 70	+ 4	− 26	− 66	− 83	− 55	− 64	− 56	39.1	March
+*324*	+301	+223	+141	+ 72	+ 31	+ 3	− 65	− 86	− 70	− 89	51.8	April
+*258*	+234	+174	+132	+110	+ 74	+ 22	+ 3	− 8	− 33	− 44	47.9	May
+236	+*249*	+208	+151	+102	+ 72	+ 48	+ 33	− 1	− 21	− 17	49.1	June
+246	+*256*	+221	+173	+124	+ 91	+ 56	+ 30	+ 10	− 10	− 15	49.1	July
+*284*	+243	+171	+101	+ 46	+ 5	− 6	− 14	− 18	− 20	− 41	48.2	August
+*271*	+252	+181	+106	+ 42	+ 15	− 25	− 37	− 50	− 88	− 63	43.9	September
+*230*	+194	+156	+ 73	+ 32	+ 7	− 45	− 73	− 92	− 90	− 75	35.9	October
+*140*	+116	+ 87	+ 66	+ 27	− 3	− 41	− 69	− 73	− *90*	− *90*	23.0	November
+*120*	+ 92	+ 60	+ 39	+ 25	0	− 41	− 54	− 71	− *84*	− 77	20.4	December
+*227*	+209	+155	+ 97	+ 51	+ 16	− 17	− 39	− 56	− 72	− 66	36.1	Year
+*154*	+136	+ 94	+ 56	+ 20	− 20	− 48	− 66	− 92	−*117*	− 98	27.1	Winter
+*272*	+245	+178	+ 98	+ 38	+ 7	− 33	− 64	− 71	− 78	− 71	43.2	Equinox
+*256*	+246	+194	+139	+ 96	+ 60	+ 30	+ 13	− 4	− 21	− 29	47.9	Summer

VERTICAL COMPONENT (Unit 0.1γ)

											γ	
− 8	+ 42	+ 65	+ 65	+ *66*	+ 61	+ 51	+ 44	+ 33	+ 18	0	11.6	January
− 55	− 7	+ 46	+ 75	+ 84	+ *97*	+ 78	+ 53	+ 47	+ 42	+ 9	19.0	February
− 69	+ 3	+ 72	+110	+*116*	+ 95	+ 91	+ 71	+ 45	+ 21	+ 4	26.2	March
−114	− 16	+ 57	+108	+*148*	+146	+123	+105	+ 67	+ 35	− 3	34.2	April
−103	− 19	+ 63	+101	+*122*	+120	+114	+ 90	+ 68	+ 56	+ 28	32.4	May
−111	− 45	+ 22	+ 78	+108	+*117*	+105	+ 78	+ 59	+ 40	+ 23	30.5	June
−124	− 45	+ 29	+ 64	+ 89	+ *99*	+ 92	+ 75	+ 50	+ 23	+ 8	26.7	July
−113	− 32	+ 44	+ 87	+*101*	+ 98	+ 87	+ 65	+ 52	+ 32	+ 15	27.2	August
− 96	− 33	+ 41	+ 82	+ *91*	+ 82	+ 76	+ 55	+ 49	+ 29	+ 5	22.7	September
− 50	+ 10	+ 68	+ *95*	+ 92	+ 75	+ 64	+ 46	+ 30	+ 15	− 8	21.2	October
− 9	+ 27	+ 40	+ 47	+ *56*	+ 52	+ 47	+ 37	+ 27	+ 24	+ 9	13.6	November
− 13	+ 27	+ 33	+ 33	+ 33	+ 35	+ *37*	+ 30	+ 24	+ 15	+ 4	9.1	December
− 72	− 7	+ 48	+ 79	+ 92	+ *90*	+ 80	+ 62	+ 46	+ 29	+ 8	21.8	Year
− 21	+ 22	+ 46	+ 55	+ 60	+ *61*	+ 53	+ 41	+ 33	+ 25	+ 6	12.9	Winter
− 82	− 9	+ 60	+ 99	+*112*	+100	+ 88	+ 69	+ 48	+ 25	0	26.0	Equinox
−113	− 35	+ 40	+ 82	+105	+*108*	+100	+ 77	+ 57	+ 38	+ 18	27.9	Summer

TABLE VI. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS

International Quiet Days

DECLINATION WEST (Unit 0'.01)

Month and Season, 1964	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	- 73	+ 3	+ 29	+ 7	+ 11	- 3	- 27	- 61	-133	*-141*	- 57	+ 59	+163
February	-108	- 60	- 32	- 10	- 20	- 30	- 32	- 54	-122	*-162*	- 94	+ 54	+198
March	- 78	- 72	- 52	- 44	- 46	- 68	-138	-244	*-364*	-328	-148	+ 96	+338
April	- 32	- 56	- 54	-108	-136	-200	-298	-414	*-480*	-368	- 70	+238	+454
May	- 33	- 41	- 81	-105	-179	-311	-371	*-373*	-295	-135	+ 89	+265	+349
June	- 20	- 34	- 60	- 86	-194	-340	*-420*	-392	-342	-202	+ 24	+254	+380
July	- 79	- 73	- 81	-107	-165	-291	-379	*-387*	-385	-307	-101	+153	+401
August	- 90	-116	-140	-144	-150	-212	-292	-352	*-382*	-266	+ 4	+284	+460
September	- 79	- 79	- 79	- 93	-107	-121	-187	-275	*-335*	-289	- 81	+129	+339
October	- 69	- 63	- 53	- 37	- 43	- 65	-103	-193	*-279*	-239	- 45	+183	+333
November	- 97	- 65	- 35	- 27	- 13	- 27	- 53	- 71	*-101*	- 91	+ 5	+131	*+205*
December	- 62	- 66	- 34	- 14	- 2	- 14	- 30	- 54	- 84	- *90*	+ 10	+118	+188
Year	- 68	- 60	- 56	- 64	- 87	-140	-194	-239	*-275*	-218	- 39	+164	+317
Winter	- 85	- 47	- 18	- 11	- 6	- 18	- 36	- 60	-110	*-121*	- 34	+ 90	+188
Equinox	- 64	- 68	- 60	- 70	- 83	-114	-182	-282	*-364*	-306	- 86	+162	+366
Summer	- 56	- 66	- 90	-110	-172	-288	-366	*-376*	-351	-228	+ 4	+239	+398

INCLINATION (Unit 0'.01)

January	+ 15	+ 11	- 11	+ 3	- 2	- 13	- 32	- *39*	- 23	+ 1	+ 34	+ *41*	+ 28
February	- 3	- 5	- 5	- 8	- 9	- 18	- 38	- *47*	- 36	- 4	+ 27	+ *43*	+ 16
March	- 12	- 2	+ 3	+ 2	- 5	- 14	- 23	- 14	+ 19	+ 54	+ 76	+ *77*	+ 47
April	+ 1	+ 4	+ 4	+ 9	+ 9	0	+ 4	+ 13	+ 42	+ 64	+ *82*	+ 62	+ 34
May	+ 19	+ 20	+ 22	+ 16	+ 18	+ 22	+ 24	+ 23	+ *25*	+ 14	- 6	- 28	- *45*
June	- 31	- 31	- 26	- 18	- 17	- 13	+ 4	+ 33	+ 60	+ 66	+ 51	+ 32	+ 36
July	- 26	- 19	- 18	- 9	+ 3	+ 10	+ 26	+ 35	+ 45	+ 57	+ *74*	+ 62	+ 28
August	- 35	- 22	- 10	- 2	+ 12	+ 24	+ 40	+ 70	+ *79*	+ 71	+ 48	+ 23	+ 11
September	- 14	- 6	- 2	- 5	- 8	- 7	- 9	+ 2	+ 28	+ 68	+ *85*	+ 78	+ 33
October	- 24	- 24	- 8	- 6	- 17	- 26	- 27	- 13	+ 27	+ 52	+ *61*	+ *61*	+ 49
November	+ 23	+ 26	+ *31*	+ 23	+ 10	0	- 7	- 3	+ 6	+ 15	+ 14	+ 15	+ 12
December	+ *30*	+ 24	+ 23	+ 16	+ 1	- 11	- 22	- *24*	- 18	+ 11	+ *30*	+ *30*	+ 18
Year	- 5	- 2	0	+ 2	0	- 4	- 5	+ 3	+ 21	+ 39	+ *48*	+ 41	+ 22
Winter	+ 16	+ 14	+ 10	+ 8	0	- 10	- 25	- *28*	- 18	+ 6	+ 26	+ *32*	+ 18
Equinox	- 12	- 7	- 1	0	- 5	- 12	- 14	- 3	+ 29	+ 60	+ *76*	+ 70	+ 41
Summer	- 18	- 13	- 8	- 3	+ 4	+ 11	+ 24	+ 40	+ *52*	+ *52*	+ 42	+ 22	+ 8

HORIZONTAL INTENSITY (Unit 0.1γ)

January	- 21	- 19	+ 13	- 7	+ 1	+ 19	+ 47	+ *57*	+ 37	- 9	- 63	- *81*	- 65
February	+ 3	+ 3	+ 5	+ 13	+ 17	+ 33	+ 61	+ *75*	+ 61	+ 7	- 57	- *97*	- 61
March	+ 23	+ 9	+ 5	+ 9	+ 25	+ 41	+ 57	+ 47	- 13	- 91	-161	*-185*	-141
April	+ 20	+ 18	+ 16	+ 10	+ 10	+ 24	+ 22	+ 2	- 60	-128	*-186*	-174	-130
May	- 5	- 7	- 9	- 1	- 3	- 7	- 19	- 33	- *55*	- *55*	- 47	- 35	- 7
June	+ 60	+ 56	+ 48	+ 46	+ 56	+ 56	+ 18	- 36	- 92	-134	-146	-142	-138
July	+ 44	+ 32	+ 30	+ 22	+ 16	+ 16	- 12	- 32	- 56	- 94	-148	*-162*	-116
August	+ 57	+ 39	+ 23	+ 17	+ 3	- 9	- 27	- 73	-107	*-123*	-121	-107	- 93
September	+ 35	+ 21	+ 19	+ 23	+ 27	+ 27	+ 31	+ 13	- 35	-113	-161	*-169*	-107
October	+ 33	+ 33	+ 11	+ 11	+ 29	+ 45	+ 49	+ 33	- 31	- 89	-127	*-133*	-109
November	- 31	- 35	- 39	- 27	- 7	+ 9	+ 19	+ 7	- 11	- 37	- 51	- *53*	- 39
December	- 39	- 33	- 33	- 23	- 1	+ 15	+ 31	+ 33	+ 25	- 23	- *61*	- 59	- 39
Year	+ 15	+ 10	+ 7	+ 8	+ 14	+ 22	+ 23	+ 8	- 28	- 74	-111	*-116*	- 87
Winter	- 22	- 21	- 14	- 11	+ 2	+ 19	+ 40	+ *43*	+ 28	- 16	- 58	- *72*	- 51
Equinox	+ 28	+ 20	+ 13	+ 13	+ 23	+ 34	+ 40	+ 24	- 35	-105	-159	*-165*	-122
Summer	+ 39	+ 30	+ 23	+ 21	+ 18	+ 14	- 10	- 44	- 78	-102	*-116*	-112	- 88

DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

International Quiet Days

DECLINATION WEST (Unit 0.′01)

Universal Time. Hour commencing											Range	Month and Season, 1964
13	14	15	16	17	18	19	20	21	22	23	′	
+215	+163	+ 67	+ 43	+ 45	+ 31	- 25	- 61	- 87	- 91	- 73	3.56	January
+282	+264	+180	+ 88	+ 96	+ 48	0	- 86	-124	-142	-138	4.44	February
+430	+388	+268	+148	+ 76	+ 30	+ 8	- 10	- 54	- 64	- 78	7.94	March
+522	+438	+276	+164	+ 96	+ 50	+ 34	+ 12	- 18	- 24	- 24	10.02	April
+383	+299	+161	+ 91	+ 73	+ 69	+ 53	+ 37	+ 37	+ 15	+ 7	7.56	May
+408	+320	+216	+128	+ 80	+ 56	+ 62	+ 66	+ 44	+ 42	+ 12	8.28	June
+485	+465	+337	+213	+123	+ 79	+ 71	+ 51	+ 33	- 9	- 41	8.72	July
+528	+442	+314	+178	+ 58	+ 22	- 4	- 14	- 30	- 36	- 60	9.10	August
+427	+401	+285	+167	+ 91	+ 55	+ 27	- 19	- 39	- 59	- 75	7.62	September
+375	+317	+223	+135	+ 63	+ 13	- 21	- 57	-113	-131	-133	6.54	October
+187	+115	+ 67	+ 65	+ 41	+ 11	- 7	- 35	- 57	- 73	- 83	3.06	November
+204	+136	+ 66	+ 34	+ 18	- 2	- 36	- 46	- 70	- 82	- 78	2.94	December
+370	+312	+205	+121	+ 72	+ 38	+ 14	- 14	- 40	- 54	- 64	6.65	Year
+222	+170	+ 95	+ 58	+ 50	+ 22	- 17	- 57	- 84	- 97	- 93	3.50	Winter
+438	+386	+263	+154	+ 82	+ 37	+ 12	- 18	- 56	- 70	- 78	8.03	Equinox
+451	+382	+257	+152	+ 84	+ 56	+ 46	+ 35	+ 21	+ 3	- 20	8.42	Summer

INCLINATION (Unit 0.′01)

											′	
+ 16	+ 19	+ 10	+ 11	+ 9	- 6	- 8	- 19	- 20	- 14	- 12	0.80	January
- 2	+ 1	+ 19	+ 33	+ 28	+ 15	- 2	+ 9	+ 1	- 1	- 11	0.90	February
+ 34	+ 26	+ 16	+ 16	+ 4	- 20	- 34	- 48	- 66	- 66	- 73	1.50	March
+ 13	+ 11	+ 9	- 2	- 24	- 42	- 57	- 73	- 72	- 52	- 38	1.55	April
- 39	- 3	+ 15	+ 16	+ 7	- 18	- 30	- 27	- 24	- 15	- 10	0.70	May
+ 76	+ 57	+ 16	+ 7	- 21	- 51	- 57	- 54	- 43	- 40	- 30	1.33	June
+ 26	+ 38	+ 33	+ 18	+ 4	- 26	- 60	- 65	- 70	- 75	- 80	1.54	July
+ 9	+ 12	+ 21	+ 10	- 9	- 43	- 67	- 60	- 64	- 54	- 66	1.46	August
- 3	- 18	- 17	- 8	- 18	- 27	- 38	- 31	- 25	- 21	- 38	1.23	September
+ 36	+ 38	+ 35	+ 19	+ 1	- 23	- 36	- 43	- 48	- 47	- 41	1.09	October
+ 7	+ 9	+ 9	+ 4	- 10	- 29	- 38	- 29	- 31	- 28	- 30	0.69	November
+ 4	- 12	- 22	- 21	- 23	- 20	- 15	- 11	- 4	0	+ 10	0.54	December
+ 15	+ 15	+ 12	+ 9	- 4	- 24	- 37	- 38	- 39	- 34	- 35	1.11	Year
+ 6	+ 4	+ 4	+ 7	+ 1	- 10	- 16	- 12	- 14	- 11	- 11	0.73	Winter
+ 20	+ 14	+ 11	+ 6	- 9	- 28	- 41	- 49	- 53	- 46	- 48	1.34	Equinox
+ 18	+ 26	+ 21	+ 13	- 5	- 34	- 54	- 52	- 50	- 46	- 46	1.26	Summer

HORIZONTAL INTENSITY (Unit 0.1γ)

											γ	
- 39	- 17	+ 7	- 1	- 3	+ 19	+ 21	+ 35	+ 33	+ 21	+ 17	13.8	January
- 27	- 13	- 19	- 27	- 23	- 5	+ 17	- 1	+ 7	+ 7	+ 13	17.2	February
-101	- 59	- 11	+ 1	+ 19	+ 51	+ 69	+ 87	+107	+103	+109	29.4	March
- 70	- 28	- 2	+ 22	+ 60	+ 84	+ 98	+120	+118	+ 88	+ 70	30.6	April
+ 9	- 13	- 11	+ 1	+ 15	+ 51	+ 63	+ 55	+ 51	+ 37	+ 33	11.8	May
-168	-108	- 20	+ 14	+ 68	+116	+114	+104	+ 82	+ 74	+ 60	28.4	June
- 96	- 84	- 44	0	+ 28	+ 70	+114	+112	+114	+114	+120	28.2	July
- 71	- 41	- 27	+ 9	+ 39	+ 87	+121	+109	+107	+ 89	+105	24.4	August
- 45	+ 3	+ 25	+ 23	+ 39	+ 51	+ 69	+ 57	+ 49	+ 45	+ 69	23.8	September
- 69	- 55	- 33	- 5	+ 21	+ 51	+ 65	+ 73	+ 75	+ 71	+ 61	20.8	October
- 13	- 1	- 1	+ 5	+ 25	+ 49	+ 61	+ 47	+ 47	+ 41	+ 41	11.4	November
- 5	+ 31	+ 41	+ 37	+ 39	+ 33	+ 25	+ 19	+ 9	+ 1	- 15	10.2	December
- 58	- 32	- 8	+ 7	+ 27	+ 55	+ 70	+ 68	+ 67	+ 58	+ 57	20.8	Year
- 21	0	+ 7	+ 4	+ 10	+ 24	+ 31	+ 25	+ 24	+ 18	+ 14	13.2	Winter
- 71	- 35	- 5	+ 10	+ 35	+ 59	+ 75	+ 84	+ 87	+ 77	+ 77	26.2	Equinox
- 82	- 62	- 26	+ 6	+ 38	+ 81	+103	+ 95	+ 88	+ 78	+ 80	23.2	Summer

TABLE VI. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL

International Quiet Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1964	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	- 14	- 19	+ 10	- 8	0	+ 19	+ 49	+ *62*	+ 49	+ 4	- 57	- *85*	- 79
February	+ 13	+ 8	+ 8	+ 14	+ 19	+ 35	+ 63	+ *79*	+ 71	+ 22	- 48	-*101*	- 78
March	+ 30	+ 15	+ 10	+ 13	+ 29	+ 47	+ 69	+ 69	+ 20	- 60	-145	-*191*	-170
April	+ 23	+ 23	+ 21	+ 20	+ 22	+ 42	+ 49	+ 40	- 15	- 93	-177	-*193*	-170
May	- 2	- 3	- 1	+ 9	+ 13	+ 21	+ 15	+ 2	- 27	- 42	- 54	- *59*	- 39
June	+ 61	+ 58	+ 53	+ 53	+ 73	+ 86	+ 56	0	- 59	-114	-146	-163	-171
July	+ 51	+ 38	+ 37	+ 31	+ 31	+ 42	+ 23	+ 4	- 20	- 65	-137	-*174*	-151
August	+ 64	+ 49	+ 35	+ 30	+ 17	+ 10	0	- 40	- 71	- 97	-120	-131	-*134*
September	+ 42	+ 28	+ 26	+ 31	+ 36	+ 38	+ 48	+ 38	- 4	- 85	-151	-*178*	-136
October	+ 39	+ 38	+ 16	+ 14	+ 33	+ 50	+ 58	+ 50	- 5	- 66	-121	-*148*	-138
November	- 22	- 29	- 35	- 24	- 6	+ 11	+ 24	+ 13	- 2	- 28	- 51	- *64*	- 57
December	- 33	- 27	- 29	- 21	- 1	+ 16	+ 33	+ *37*	+ 32	- 14	- 61	- *69*	- 56
Year	+ 21	+ 15	+ 13	+ 14	+ 22	+ 35	+ 41	+ 30	- 3	- 53	-106	-*130*	-115
Winter	- 14	- 17	- 12	- 10	+ 3	+ 20	+ 42	+ *48*	+ 38	- 4	- 54	- *80*	- 68
Equinox	+ 34	+ 26	+ 18	+ 20	+ 30	+ 44	+ 56	+ 49	- 1	- 76	-148	-*178*	-154
Summer	+ 44	+ 36	+ 31	+ 31	+ 34	+ 40	+ 24	- 8	- 44	- 80	-114	-*132*	-124

WEST COMPONENT (Unit 0.1γ)

January	- 43	- 2	+ 18	+ 3	+ 6	+ 2	- 7	- 23	- 66	- *78*	- 41	+ 18	+ 77
February	- 58	- 32	- 16	- 3	- 8	- 11	- 7	- 17	- 56	- *86*	- 60	+ 13	+ 97
March	- 38	- 37	- 27	- 22	- 21	- 30	- 65	-124	-*199*	-192	-107	+ 21	+159
April	- 14	- 27	- 27	- 57	- 72	-104	-157	-223	-*269*	-220	- 69	+100	+224
May	- 19	- 23	- 45	- 57	- 97	-169	-204	-207	-169	- 82	+ 40	+137	+187
June	- 1	- 9	- 24	- 39	- 95	-174	-*224*	-218	-200	-132	- 11	+114	+182
July	- 35	- 34	- 39	- 54	- 86	-155	-207	-214	-*217*	-182	- 79	+ 56	+197
August	- 39	- 56	- 72	- 75	- 81	-116	-162	-202	-*224*	-164	- 18	+136	+233
September	- 37	- 39	- 40	- 46	- 53	- 61	- 96	-146	-*187*	-175	- 71	+ 41	+165
October	- 32	- 29	- 27	- 18	- 18	- 28	- 47	- 99	-*156*	-144	- 46	+ 77	+162
November	- *58*	- 41	- 25	- 19	- 8	- 13	- 25	- 37	- 56	- 55	- 6	+ 62	+*104*
December	- 40	- 41	- 24	- 11	- 1	- 5	- 11	- 24	- 41	- *52*	- 5	+ 54	+ 95
Year	- 34	- 31	- 29	- 33	- 44	- 72	-101	-128	-*153*	-130	- 39	+ 69	+157
Winter	- 50	- 29	- 12	- 8	- 3	- 7	- 12	- 25	- 55	- *68*	- 28	+ 37	+ 93
Equinox	- 30	- 33	- 30	- 36	- 41	- 56	- 91	-148	-*203*	-183	- 73	+ 60	+178
Summer	- 24	- 30	- 45	- 56	- 90	-154	-199	-*210*	-202	-140	- 17	+111	+200

VERTICAL COMPONENT (Unit 0.1γ)

January	+ 5	- 5	- 9	- 7	- 5	- 1	- 1	- 3	+ 5	- 17	- 29	- 43	- *53*
February	- 5	- 9	- 5	+ 3	+ 7	+ 13	+ 9	+ 9	+ 15	+ 1	- 37	- 73	- *87*
March	+ 13	+ 15	+ 23	+ 29	+ 39	+ 47	+ 53	+ *59*	+ 35	- 23	-107	-159	-*161*
April	+ 49	+ 55	+ 51	+ 53	+ 55	+ 57	+ *63*	+ 51	+ 9	- 75	-145	-*187*	-183
May	+ 56	+ 54	+ 56	+ 54	+ 56	+ *60*	+ 38	+ 4	- 40	- 78	-130	-*178*	-174
June	+ 31	+ 21	+ 21	+ 43	+ 71	+ 83	+ 55	+ 31	- 3	- 81	-161	-*217*	-195
July	+ 12	+ 8	+ 8	+ 18	+ 46	+ 72	+ 62	+ 48	+ 26	- 20	- 86	-160	-*172*
August	+ 10	+ 12	+ 20	+ 32	+ 48	+ 64	+ *78*	+ 76	+ 26	- 38	-114	-166	-*176*
September	+ 33	+ 29	+ 37	+ 35	+ 35	+ 39	+ *41*	+ 37	+ 17	- 25	- 75	-119	-*133*
October	- 6	- 6	- 4	+ 6	+ 8	+ 12	+ 18	+ 32	+ 22	- 26	- 80	- *96*	- 82
November	+ 8	+ 10	+ 16	+ 18	+ 20	+ 22	+ 18	+ 6	- 4	- 32	- 70	- *72*	- 50
December	+ 14	+ 8	+ 4	+ 2	0	- 2	- 6	- 8	- 4	- 14	- *36*	- 32	- 26
Year	+ 18	+ 16	+ 18	+ 24	+ 32	+ 39	+ 36	+ 28	+ 9	- 36	- 89	-*125*	-124
Winter	+ 6	+ 1	+ 2	+ 4	+ 6	+ 8	+ 5	+ 1	+ 3	- 16	- 43	- *55*	- 54
Equinox	+ 22	+ 23	+ 27	+ 31	+ 34	+ 39	+ 44	+ 45	+ 21	- 37	-102	-*140*	-*140*
Summer	+ 27	+ 24	+ 26	+ 37	+ 55	+ 70	+ 58	+ 40	+ 2	- 54	-123	-*180*	-179

COMPONENTS OF MAGNETIC INTENSITY

International Quiet Days

NORTH COMPONENT (Unit 0.1γ)

Universal Time. Hour commencing											Range	Month and Season, 1964
13	14	15	16	17	18	19	20	21	22	23	γ	
− 58	− 32	+ 1	− 5	− 7	+ 16	+ 23	+ 40	+ 40	+ 29	+ 23	14.7	January
− 52	− 37	− 35	− 35	− 31	− 9	+ 17	+ 7	+ 18	+ 20	+ 25	18.9	February
−139	− 94	− 35	− 13	+ 12	+ 48	+ 67	+ 87	+110	+107	*+115*	30.6	March
−117	− 68	− 27	+ 7	+ 50	+ 78	+ 94	+117	*+118*	+ 89	+ 71	31.1	April
− 26	− 40	− 26	− 7	+ 8	+ 44	+ *57*	+ 51	+ 47	+ 35	+ 32	11.6	May
−203	−136	− 39	+ 2	+ 60	*+109*	+107	+ 97	+ 77	+ 69	+ 58	31.2	June
−139	−125	− 74	− 19	+ 16	+ 62	+106	+106	*+109*	+113	+122	28.3	July
−118	− 81	− 55	− 7	+ 33	+ 84	*+120*	+109	+108	+ 91	+109	25.4	August
− 83	− 34	− 1	+ 7	+ 30	+ 45	+ 66	+ 58	+ 52	+ 50	+ *75*	25.3	September
−102	− 83	− 53	− 17	+ 15	+ 49	+ 66	+ 77	+ *84*	+ 82	+ 72	23.2	October
− 30	− 11	− 7	− 1	+ 21	+ 47	+ *61*	+ 50	+ 52	+ 47	+ 48	12.5	November
− 24	+ 18	+ 34	+ 33	+ *37*	+ 33	+ 28	+ 23	+ 15	+ 8	− 8	10.6	December
− 91	− 60	− 26	− 5	+ 20	+ 50	+ 68	+ 68	+ *69*	+ 62	+ 62	22.0	Year
− 41	− 16	− 2	− 2	+ 5	+ 22	+ 32	+ 30	+ 31	+ 26	+ 22	14.2	Winter
−110	− 70	− 29	− 4	+ 27	+ 55	+ 73	+ 85	+ *91*	+ 82	+ 83	27.6	Equinox
−122	− 96	− 48	− 8	+ 29	+ 75	+ *98*	+ 91	+ 85	+ 77	+ 80	24.1	Summer

WEST COMPONENT (Unit 0.1γ)

											γ	
+110	+ 85	+ 37	+ 23	+ 24	+ 20	− 10	− 27	− 42	− 46	− 37	18.8	January
+148	+140	+ 94	+ 43	+ 48	+ 25	+ 3	− 47	− 66	− 76	− 72	23.4	February
+216	+200	+143	+ 80	+ 44	+ 25	+ 16	+ 9	− 11	− 17	− 24	41.5	March
+270	+232	+149	+ 92	+ 62	+ 41	+ 35	+ 27	+ 10	+ 2	− 1	53.9	April
+208	+159	+ 85	+ 49	+ 42	+ 46	+ 39	+ 29	+ 29	+ 14	+ 9	41.5	May
+192	+155	+113	+ 72	+ 55	+ 50	+ 53	+ 53	+ 37	+ 35	+ 17	41.6	June
+246	+237	+175	+115	+ 71	+ 54	+ 57	+ 46	+ 37	+ 14	− 2	46.3	July
+273	+232	+165	+ 98	+ 38	+ 26	+ 18	+ 11	+ 2	− 5	− 15	49.7	August
+223	+217	+158	+ 94	+ 56	+ 38	+ 26	− 1	− 13	− 24	− 29	41.0	September
+191	+162	+115	+ 72	+ 38	+ 16	0	− 19	− 49	− 59	− 62	34.7	October
+ 99	+ 62	+ 36	+ 36	+ 26	+ 14	+ 6	− 11	− 23	− 33	− 38	16.2	November
+109	+ 79	+ 43	+ 25	+ 16	+ 4	− 15	− 22	− 36	− 44	− 45	16.1	December
+190	+163	+109	+ 67	+ 43	+ 30	+ 19	+ 4	− 10	− 20	− 25	35.4	Year
+116	+ 92	+ 52	+ 32	+ 28	+ 16	− 4	− 27	− 42	− 50	− 48	18.6	Winter
+225	+203	+141	+ 84	+ 50	+ 30	+ 19	+ 4	− 16	− 24	− 29	42.8	Equinox
+230	+196	+134	+ 84	+ 52	+ 44	+ 42	+ 35	+ 26	+ 14	+ 2	44.8	Summer

VERTICAL COMPONENT (Unit 0.1γ)

											γ	
− 35	+ 27	+ *51*	+ 37	+ 25	+ 23	+ 19	+ 15	+ 7	+ 1	− 3	10.4	January
− 71	− 25	+ 23	+ *53*	+ 43	+ 39	+ 33	+ 29	+ 21	+ 11	− 7	14.0	February
−115	− 45	+ 29	+ 57	+ 57	+ 49	+ 43	+ 33	+ 19	+ 7	− 1	22.0	March
−115	− 25	+ 25	+ 45	+ 55	+ 49	+ 27	+ 23	+ 21	+ 21	+ 29	25.0	April
−116	− 40	+ 26	+ 58	+ *60*	+ 54	+ 40	+ 32	+ 34	+ 34	+ 42	23.8	May
−123	− 51	+ 11	+ 57	+ 85	+ *91*	+ 67	+ 51	+ 39	+ 33	+ 35	30.8	June
−130	− 62	+ 14	+ 62	+ *78*	+ 72	+ 56	+ 32	+ 20	+ 2	− 2	25.0	July
−134	− 54	+ 12	+ 56	+ 60	+ 50	+ 48	+ 42	+ 24	+ 18	+ 12	25.4	August
−113	− 55	− 1	+ 25	+ 29	+ 23	+ 27	+ 25	+ 27	+ 31	+ 27	17.4	September
− 34	+ 6	+ 46	+ *54*	+ 52	+ 38	+ 24	+ 20	+ 6	0	− 2	15.0	October
− 4	+ 28	+ *30*	+ 24	+ 22	+ 14	+ 8	+ 8	0	− 4	− 10	10.2	November
+ 2	+ *30*	+ 18	+ 14	+ 10	+ 6	+ 6	+ 6	+ 6	+ 2	0	6.6	December
− 82	− 22	+ 24	+ 45	+ *48*	+ 42	+ 33	+ 26	+ 19	+ 13	+ 10	18.8	Year
− 27	+ 15	+ 30	+ *32*	+ 25	+ 20	+ 16	+ 14	+ 8	+ 2	− 5	10.3	Winter
− 94	− 30	+ 25	+ 45	+ *48*	+ 40	+ 30	+ 25	+ 18	+ 15	+ 13	19.8	Equinox
−126	− 52	+ 16	+ 58	+ *71*	+ 67	+ 53	+ 39	+ 29	+ 22	+ 22	26.2	Summer

TABLE VII. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS

International Disturbed Days

DECLINATION WEST (Unit 0′.01)

Month and Season, 1964	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	−110	− 28	+ 60	+120	+ 80	+240	+134	+ 16	− 58	− 28	+308	*+360*	+300
February	−146	+ 90	+ 40	+134	0	− 50	+102	− 4	− 76	−122	+ 42	+246	+384
March	−174	+ 52	−116	−300	+ 26	− 80	−120	− 88	−114	− 14	+170	+332	+614
April	−197	+ 11	−141	−283	−161	−177	−239	−231	−259	−107	+ 91	+379	+613
May	−311	−297	−281	−215	−213	−509	−471	*−521*	−387	−115	+135	+345	+593
June	−138	−190	−138	−160	−282	−250	*−412*	−378	−398	−282	+ 14	+186	+438
July	−104	− 28	−212	−172	−162	−398	*−456*	−444	−412	−360	−114	+110	+350
August	−143	− 79	− 15	−253	−329	−183	−301	*−379*	−271	−109	+ 99	+365	+509
September	*−307*	−299	− 37	−219	−283	−123	−187	−205	−201	− 41	+153	+223	+609
October	−156	−208	−106	− 30	−122	− 54	+ 6	−102	−156	− 82	+ 48	+250	+418
November	− 86	−144	− 64	−174	− 26	− 76	− 90	−116	−136	− 82	+178	+236	+320
December	− 96	+ 30	− 48	+ 8	+ 44	+ 14	− 8	− 16	− 32	− 50	− 6	+102	+226
Year	−164	− 91	− 88	−129	−119	−137	−170	−206	−208	−116	+ 93	+261	+448
Winter	−110	− 13	− 3	+ 22	+ 24	+ 32	+ 34	− 30	− 76	− 70	+130	+236	+308
Equinox	−208	−111	−100	−208	−135	−108	−135	−156	−182	− 61	+116	+296	+564
Summer	−174	−148	−162	−200	−246	−335	−410	*−430*	−367	−216	+ 34	+252	+472

INCLINATION (Unit 0′.01)

January	− 95	−119	− 90	−116	−136	*−206*	−176	−127	−112	+ 12	+132	+172	+135
February	− 25	− 73	−102	− 86	*−120*	−118	− 86	−108	−108	− 39	+ 33	+101	+ 94
March	− 89	− 77	−125	− 49	− 50	*−137*	− 93	− 67	− 35	− 31	+ 48	+ 44	+ 24
April	− 59	− 99	*−129*	− 61	− 55	− 35	− 64	− 45	+ 19	+ 80	+ 69	+ 51	+ 30
May	*−154*	− 61	− 60	− 44	− 70	− 41	+ 24	+ 67	+100	*+174*	+ 67	+ 58	+ 40
June	− 97	−137	−123	−134	*−154*	− 74	+ 33	+ 67	+ 63	+ 87	+112	+ 79	+120
July	− 64	− 81	*− 83*	− 30	− 31	− 42	+ 14	+ 38	+ 51	+ 74	+ 78	*+ 98*	+ 39
August	− 71	− 86	*−154*	−111	− 66	− 32	− 15	+ 20	+ 83	+ 90	+ 90	+ 64	+ 69
September	−104	− 76	− 85	*−105*	− 51	− 76	− 87	+ 2	+ 53	+ 74	+104	+ 71	+ 64
October	*−132*	−107	− 71	− 66	− 68	− 88	− 82	− 64	0	+ 59	+ 63	+ 44	+ 65
November	− 25	− 46	− 53	− 83	− 79	*−106*	− 87	− 89	− 60	− 8	+ 4	− 1	+ 11
December	− 27	− 48	− 36	− 28	− 48	− 71	− 93	*−115*	− 92	− 49	− 18	+ 4	+ 11
Year	− 78	− 84	− 93	− 76	− 77	− 86	− 59	− 35	− 3	+ 44	+ 65	+ 65	+ 58
Winter	− 43	− 72	− 70	− 78	− 96	−125	−110	−110	− 93	− 21	+ 38	+ 69	+ 63
Equinox	− 96	− 90	−102	− 70	− 56	− 84	− 82	− 44	+ 9	+ 46	+ 71	+ 52	+ 46
Summer	− 96	− 91	−105	− 80	− 80	− 47	+ 14	+ 48	+ 74	+106	+ 87	+ 75	+ 67

HORIZONTAL INTENSITY (Unit 0.1γ)

January	+114	+136	+ 90	+132	+168	*+264*	+218	+154	+134	− 56	−236	*−282*	−196
February	+ 36	+ 90	+118	+ 82	+136	+134	+ 86	+134	*+140*	+ 38	− 88	*−192*	−172
March	+ 97	+ 67	+139	+ 37	+ 29	*+153*	+103	+ 73	+ 29	+ 9	*−133*	*−133*	−105
April	+ 46	+ 92	*+142*	+ 56	+ 56	+ 34	+ 86	+ 54	− 54	−184	*−186*	−176	−132
May	*+197*	+ 57	+ 67	+ 49	+ 75	+ 43	− 57	−127	−197	*−323*	−175	−171	−127
June	+157	*+203*	+161	+161	+193	+ 57	− 95	−133	−119	−167	−219	−181	*−233*
July	+103	+113	+113	+ 17	+ 17	+ 47	− 31	− 63	− 89	−143	−169	*−225*	−135
August	+110	+126	*+208*	+140	+ 84	+ 32	+ 8	− 40	−144	−164	*−188*	−166	−174
September	+140	+100	+ 90	+110	+ 44	+ 90	+112	− 20	− 98	−144	*−206*	−168	−148
October	*+178*	+138	+ 80	+ 74	+ 86	+114	+106	+ 86	− 12	−112	−138	−118	−140
November	+ 30	+ 58	+ 64	+110	+ 92	*+132*	+106	+110	+ 64	− 26	− 56	− 42	− 46
December	+ 40	+ 58	+ 38	+ 28	+ 58	+ 94	+126	*+156*	+120	+ 52	0	− 32	− 42
Year	+104	+103	*+109*	+ 83	+ 86	+100	+ 64	+ 32	− 19	−102	−150	*−157*	−138
Winter	+ 55	+ 86	+ 78	+ 88	+114	*+156*	+134	+138	+114	+ 2	− 95	−137	−114
Equinox	*+115*	+ 99	+113	+ 69	+ 54	+ 98	+102	+ 48	− 34	−108	*−166*	−149	−131
Summer	*+142*	+125	+137	+ 92	+ 92	+ 45	− 44	− 91	−137	*−199*	−188	−186	−167

DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

International Disturbed Days

DECLINATION WEST (Unit 0'.01)

Universal Time. Hour commencing											Range	Month and Season, 1964
13	14	15	16	17	18	19	20	21	22	23	′	
+300	+340	+200	- 42	-340	*-460*	-244	-374	-344	-270	-170	8.20	January
+420	*+472*	+334	+112	+110	- 52	-484	-260	-300	*-560*	-434	10.32	February
+640	*+640*	+510	+280	-156	-162	-444	-516	-266	*-430*	-278	10.70	March
+661	*+731*	+609	+479	+163	+ 49	- 97	-443	*-561*	-413	-475	12.92	April
+651	*+677*	+437	+325	+237	+147	- 11	- 3	- 21	- 91	-107	11.98	May
+616	*+630*	+528	+402	+230	+ 88	-126	- 18	-142	-180	- 44	10.42	June
+542	+600	*+922*	+476	+318	+146	+ 4	0	-134	-258	-220	13.78	July
+595	+583	+373	+247	+167	- 65	-159	-245	-189	- 29	-183	9.74	August
+653	+597	+387	+207	+ 19	+ 53	-231	-225	-177	-257	-117	9.60	September
+562	+468	+520	+192	+ 80	- 20	-328	-292	*-338*	*-338*	-222	9.00	October
+386	*+408*	+362	+264	+120	- 2	-110	-180	-174	-358	*-468*	8.76	November
+292	*+320*	+214	+142	+142	- 14	-212	-164	-266	*-352*	-262	6.72	December
+526	*+539*	+450	+257	+ 91	- 24	-204	-227	-243	*-295*	-248	10.18	Year
+350	*+385*	+278	+119	+ 8	-132	-262	-244	-271	*-385*	-334	8.50	Winter
+629	+609	+506	+290	+ 26	- 20	-275	*-369*	-336	-360	-273	10.56	Equinox
+601	*+622*	+565	+362	+238	+ 79	- 73	- 66	-122	-140	-138	11.48	Summer

INCLINATION (Unit 0'.01)

											′	
+ 34	+ 48	+135	*+215*	+191	+ 76	+ 62	+ 43	+ 37	- 37	- 79	4.21	January
+ 45	+ 30	+ 45	+ 63	+118	*+130*	+ 73	+ 50	+ 44	+ 17	+ 26	2.50	February
+ 18	+ 22	+ 95	+121	*+161*	+122	+136	+ 82	- 23	- 43	- 55	2.98	March
+ 26	+ 11	+ 6	- 5	+ 44	*+128*	+ 72	+ 60	+ 51	- 26	- 66	2.57	April
+ 76	+ 24	+ 88	+ 48	+ 2	- 24	- 54	- 48	- 31	- 98	- 91	3.28	May
+132	+119	+ 73	+ 56	+ 40	- 3	- 78	- 49	- 24	- 79	- 36	2.86	June
+ 52	+ 76	+ 47	+ 28	+ 13	- 15	- 30	- 34	- 75	- 62	- 64	1.81	July
+ 28	+ 64	*+ 94*	+ 39	+ 13	+ 16	+ 6	+ 9	+ 4	- 61	- 88	2.48	August
+ 52	+ 75	+ 79	*+115*	+101	+ 47	- 6	- 25	- 25	- 99	- 92	2.20	September
+ 92	+101	+122	+124	*+160*	+ 59	- 12	- 45	- 30	- 31	- 88	2.92	October
+ 13	+ 70	+ 83	+ 90	+136	*+142*	+ 63	+ 25	+ 17	+ 19	- 30	2.48	November
+ 50	+ 56	+ 34	+ 87	*+ 90*	+ 69	+ 52	+ 36	+ 46	+ 47	+ 37	2.05	December
+ 52	+ 58	+ 75	+ 82	+ 89	+ 62	+ 24	+ 9	- 1	- 38	- 52	2.70	Year
+ 36	+ 51	+ 74	+114	+134	+104	+ 62	+ 38	+ 36	+ 12	- 12	2.81	Winter
+ 47	+ 52	+ 76	+ 89	+116	+ 89	+ 48	+ 18	- 7	- 50	- 75	2.67	Equinox
+ 72	+ 71	+ 76	+ 43	+ 17	- 6	- 39	- 30	- 32	- 75	- 70	2.61	Summer

HORIZONTAL INTENSITY (Unit 0.1γ)

											γ	
- 32	- 40	-146	-240	-192	- 40	- 44	- 30	- 32	+ 60	+ 96	54.6	January
- 84	- 46	- 30	- 30	-114	-122	- 28	- 32	- 36	+ 4	- 28	33.2	February
- 55	- 31	- 99	- 81	-101	- 63	- 97	- 41	+ 67	+ 73	+ 61	28.6	March
- 88	- 22	+ 32	+ 88	+ 80	- 44	+ 18	+ 8	- 26	+ 56	+ 64	32.8	April
-147	- 25	- 59	+ 19	+ 99	+127	+161	+123	+ 85	+177	+137	52.0	May
-223	-167	- 73	- 27	+ 11	+ 85	+201	+127	+ 83	+145	+ 63	43.6	June
-127	-125	- 51	- 5	+ 45	+103	*+123*	+113	+161	+113	+ 99	34.8	July
- 92	-110	-108	0	+ 48	+ 56	+ 68	+ 42	+ 34	+104	+120	39.6	August
-102	-100	- 50	- 84	- 62	+ 10	+ 74	+ 72	+ 62	*+156*	+118	36.2	September
-158	-144	-142	-110	-158	- 20	+ 76	+ 86	+ 54	+ 54	+114	33.6	October
- 30	- 96	-100	-100	*-150*	*-150*	- 40	+ 2	+ 4	+ 2	+ 54	28.2	November
- 90	- 74	- 34	-106	*-108*	- 66	- 42	- 30	- 44	- 50	- 44	26.4	December
-102	- 82	- 72	- 56	- 50	- 10	+ 39	+ 37	+ 34	+ 74	+ 71	37.0	Year
- 59	- 64	- 78	-119	*-141*	- 94	- 38	- 22	- 27	+ 4	+ 20	35.6	Winter
-101	- 74	- 65	- 47	- 60	- 29	+ 18	+ 31	+ 39	+ 85	+ 89	32.8	Equinox
-147	-107	- 73	- 3	+ 51	+ 93	+138	+101	+ 91	+135	+105	42.5	Summer

TABLE VII. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL

International Disturbed Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1964	Universal Time. Hour commencing												
	0	1	2	3	4	5	6	7	8	9	10	11	12
January	+122	+137	+ 83	+119	+158	*+238*	+203	+150	+137	- 53	-261	*-311*	-221
February	+ 49	+ 81	+113	+ 69	+134	*+137*	+ 75	+132	+145	+ 49	- 91	*-212*	-205
March	+112	+ 61	+148	+ 64	+ 26	*+158*	+113	+ 80	+ 39	+ 10	-147	*-161*	-160
April	+ 63	+ 90	*+153*	+ 81	+ 70	+ 50	+107	+ 74	- 30	-172	-192	*-208*	-186
May	*+223*	+ 83	+ 92	+ 68	+ 93	+ 89	- 13	- 78	-159	*-308*	-185	-200	-179
June	+167	*+218*	+171	+173	+216	+ 79	- 56	- 97	- 81	-139	-217	-195	-270
July	+111	+114	+131	+ 32	+ 32	+ 83	+ 11	- 22	- 50	-108	-156	*-232*	-165
August	+122	+131	*+206*	+161	+113	+ 48	+ 35	- 5	-117	-152	-194	-197	*-218*
September	+166	+126	+ 92	+128	+ 69	+100	+128	- 1	- 78	-138	*-217*	-186	-202
October	*+190*	+155	+ 89	+ 76	+ 96	+117	+104	+ 94	+ 2	-103	-140	-139	-176
November	+ 37	+ 70	+ 69	+124	+ 93	*+137*	+113	+119	+ 76	- 18	- 71	- 63	- 75
December	+ 48	+ 54	+ 42	+ 27	+ 53	+ 91	+125	*+155*	+121	+ 56	+ 1	- 41	- 62
Year	*+118*	+110	+116	+ 94	+ 96	+111	+ 79	+ 50	0	- 90	-156	*-179*	-177
Winter	+ 64	+ 86	+ 77	+ 85	+110	*+151*	+129	+139	+120	+ 8	-106	*-157*	-141
Equinox	*+133*	+108	+120	+ 87	+ 65	+106	+113	+ 62	- 17	-101	-174	-174	*-181*
Summer	*+156*	+136	+150	+108	+114	+ 75	- 6	- 50	-102	-177	-188	-206	*-208*

WEST COMPONENT (Unit 0.1γ)

January	- 40	+ 8	+ 47	+ 87	+ 71	+174	+109	+ 34	- 9	- 24	+127	+147	+129
February	- 73	+ 64	+ 41	+ 86	+ 23	- 5	+ 69	+ 20	- 18	- 60	+ 8	+101	+179
March	- 78	+ 39	- 39	-156	+ 19	- 18	- 48	- 35	- 57	- 6	+ 70	+157	+314
April	- 99	+ 21	- 52	-144	- 78	- 90	-115	-116	-149	- 89	+ 18	+175	+309
May	-135	-151	-141	-108	-103	-268	-264	*-303*	-242	-116	+ 44	+158	+299
June	- 48	- 69	- 48	- 60	-120	-126	*-239*	-226	-235	-180	- 29	+ 70	+198
July	- 39	+ 4	- 96	- 90	- 85	-207	*-252*	-250	-238	-218	- 90	+ 22	+167
August	- 59	- 22	+ 27	-113	-164	- 94	-161	*-211*	-170	- 86	+ 22	+170	+246
September	-143	*-145*	- 5	-100	-146	- 51	- 82	-114	-125	- 46	+ 48	+ 92	+304
October	- 55	- 89	- 44	- 4	- 52	- 10	+ 21	- 41	- 86	- 63	+ 3	+115	+203
November	- 41	- 68	- 24	- 76	+ 1	- 19	- 31	- 44	- 63	- 49	+ 87	+121	+165
December	- 45	+ 26	- 20	+ 9	+ 33	+ 23	+ 17	+ 17	+ 3	- 18	- 3	+ 50	+115
Year	- 71	- 32	- 30	- 56	- 50	- 58	- 81	-106	-116	- 80	+ 25	+115	+219
Winter	- 50	+ 8	+ 11	+ 26	+ 32	+ 43	+ 41	+ 7	- 22	- 38	+ 55	+105	+147
Equinox	- 94	- 44	- 35	-101	- 64	- 42	- 56	- 76	-104	- 51	+ 35	+135	+282
Summer	- 70	- 60	- 64	- 93	-118	-174	-229	*-248*	-221	-150	- 13	+105	+228

VERTICAL COMPONENT (Unit 0.1γ)

January	- 65	- 99	-105	- 99	- 85	*-107*	*-107*	- 85	- 81	- 89	- 87	- 55	+ 17
February	- 5	- 47	- 81	*-111*	-101	- 99	- 99	- 67	- 51	- 49	- 89	- 93	- 71
March	- 84	-114	-114	- 86	-108	-124	- 86	- 64	- 54	- 88	-142	-154	*-160*
April	-100	-132	-120	- 84	- 60	- 44	- 22	- 32	- 60	-146	-190	*-230*	-200
May	- 79	- 79	- 53	- 39	- 69	- 43	- 49	- 59	-109	-143	-171	*-195*	-155
June	+ 26	- 6	- 54	- 92	- 90	-126	-104	- 74	- 56	- 84	-116	*-144*	-120
July	+ 14	- 22	- 28	- 66	- 68	- 38	- 24	- 12	- 30	- 72	-118	*-180*	-178
August	+ 7	- 9	- 53	- 61	- 35	- 37	- 35	- 23	- 45	- 67	-121	*-161*	*-161*
September	- 37	- 33	- 89	-111	- 77	- 57	- 45	- 39	- 43	- 77	-113	*-141*	-119
October	- 49	- 53	- 63	- 59	- 39	- 41	- 41	- 25	- 27	- 53	-101	*-119*	- 97
November	- 19	- 27	- 37	- 33	- 61	- 63	- 59	- 55	- 61	- 89	*-117*	- 99	- 69
December	- 2	- 34	- 38	- 32	- 32	- 30	- 32	- 40	- 42	- 50	- *64*	- 60	- 58
Year	- 33	- 55	- 70	- 73	- 69	- 67	- 59	- 48	- 55	- 84	-119	*-136*	-114
Winter	- 23	- 52	- 65	- 69	- 70	- 75	- 74	- 62	- 59	- 69	- *89*	- 77	- 45
Equinox	- 68	- 83	- 96	- 85	- 71	- 66	- 48	- 40	- 46	- 91	-136	*-161*	-144
Summer	- 8	- 29	- 47	- 64	- 66	- 61	- 53	- 42	- 60	- 92	-132	*-170*	-154

COMPONENTS OF MAGNETIC INTENSITY

International Disturbed Days

NORTH COMPONENT (Unit 0.1γ)

Universal Time. Hour commencing											Range	Month and Season, 1964
13	14	15	16	17	18	19	20	21	22	23	γ	
- 59	- 70	-162	-233	-158	+ 3	- 21	+ 5	0	+ 84	+110	54.9	January
-121	- 88	- 60	- 40	-122	-116	+ 17	- 8	- 8	+ 55	+ 12	34.9	February
-113	- 89	-144	-105	- 85	- 47	- 55	+ 7	+ 90	+111	+ 86	31.9	March
-147	- 88	- 24	+ 43	+ 64	- 48	+ 27	+ 48	+ 26	+ 93	+106	36.1	April
-204	- 86	- 98	- 11	+ 76	+112	+160	+122	+ 86	+183	+145	53.1	May
-276	-222	-120	- 63	- 10	+ 76	+210	+127	+ 95	+159	+ 66	49.4	June
-175	-178	-134	- 48	+ 15	+ 88	+121	+111	*+171*	+135	+118	40.3	July
-145	-162	-141	- 23	+ 32	+ 61	+ 82	+ 64	+ 51	+105	+135	42.4	August
-160	-153	- 85	-102	- 63	+ 5	+ 94	+ 92	+ 77	*+177*	+127	39.4	September
-207	-185	-187	-126	-163	- 18	+105	+111	+ 84	+ 84	+133	39.7	October
- 65	-132	-132	-123	*-159*	-148	- 29	+ 18	+ 20	+ 35	+ 96	29.6	November
-115	-102	- 53	-117	*-119*	- 64	- 22	- 15	- 19	- 17	- 19	27.4	December
-149	-130	-112	- 79	- 58	- 8	+ 57	+ 57	+ 56	+100	+ 93	39.9	Year
- 90	- 98	-102	-128	-140	- 81	- 14	0	- 2	+ 39	+ 50	36.7	Winter
-157	-129	-110	- 72	- 62	- 27	+ 43	+ 64	+ 69	+116	+113	36.8	Equinox
-200	-162	-123	- 36	+ 28	+ 84	+143	+106	+101	+146	+116	46.3	Summer

WEST COMPONENT (Unit 0.1γ)

											γ	
+157	*+177*	+ 84	- 63	-216	*-255*	-139	-207	-191	-136	- 76	43.2	January
+213	*+247*	+175	+ 56	+ 40	- 48	-266	-146	-168	*-302*	-239	54.9	February
+337	*+341*	+259	+138	-101	- 98	-256	*-286*	-133	-220	-140	62.7	March
+343	*+391*	+334	+274	+101	+ 19	- 49	-238	*-308*	-214	-246	69.9	April
+327	*+362*	+226	+179	+145	+101	+ 21	+ 19	+ 3	- 20	- 35	66.5	May
+296	*+313*	+273	+213	+126	+ 62	- 35	+ 11	- 63	- 73	- 13	55.2	June
+272	+303	*+490*	+256	+179	+ 96	+ 23	+ 19	- 46	-121	-102	74.2	July
+306	+297	+184	+133	+ 98	- 26	- 75	-125	- 96	+ 2	- 79	51.7	August
+336	+306	+201	+ 98	0	+ 30	-112	-110	- 85	-113	- 44	48.1	September
+277	+229	+257	+ 85	+ 17	- 14	-165	-143	*-174*	*-174*	-101	45.1	October
+204	*+204*	+179	+126	+ 40	- 26	- 66	- 97	- 93	-193	*-244*	44.8	November
+143	*+161*	+110	+ 59	+ 59	- 19	-122	- 94	-151	*-199*	-149	35.9	December
+268	*+278*	+231	+130	+ 41	- 15	-103	-116	-125	*-147*	-122	54.4	Year
+179	*+197*	+137	+ 44	- 19	- 87	-148	-136	-151	*-208*	-177	44.7	Winter
+323	+317	+263	+149	+ 4	- 16	-146	*-194*	-175	-180	-133	56.4	Equinox
+300	*+319*	+293	+195	+137	+ 58	- 16	- 19	- 50	- 53	- 57	61.9	Summer

VERTICAL COMPONENT (Unit 0.1γ)

											γ	
+ 45	+ 73	+131	+191	*+221*	+173	+113	+ 81	+ 55	+ 11	- 53	32.8	January
- 37	- 1	+ 87	+151	+147	+169	*+189*	+101	+ 71	+ 69	+ 27	30.0	February
- 64	+ 6	+102	+234	*+326*	+278	+248	+190	+ 76	+ 20	- 50	48.6	March
-112	- 12	+ 94	+186	+336	*+344*	+292	+228	+116	+ 38	- 80	57.4	April
- 75	+ 25	+171	+211	*+237*	+211	+185	+117	+ 87	+ 67	+ 1	43.2	May
- 56	+ 26	+ 84	+132	+164	+186	*+194*	+124	+108	+ 62	+ 22	33.8	June
-112	- 24	+ 46	+ 84	+148	*+186*	+180	+144	+110	+ 46	+ 6	36.6	July
-115	- 31	+ 77	+135	+155	*+185*	+179	+127	+ 93	+ 27	- 27	34.6	August
- 55	+ 31	+159	+205	*+209*	+187	+149	+ 79	+ 57	+ 17	- 47	35.0	September
- 45	+ 19	+ 95	+177	*+191*	+157	+135	+ 43	+ 19	+ 17	- 41	31.0	October
- 25	+ 23	+ 59	+ 81	+125	*+145*	+127	+ 91	+ 67	+ 71	+ 19	26.2	November
- 34	+ 22	+ 40	+ 56	+ 64	*+ 86*	+ 82	+ 54	+ 58	+ 48	+ 28	15.0	December
- 57	+ 13	+ 95	+154	*+194*	+192	+173	+115	+ 76	+ 41	- 16	35.4	Year
- 13	+ 29	+ 79	+120	+139	*+143*	+128	+ 82	+ 63	+ 50	+ 5	26.0	Winter
- 69	+ 11	+112	+200	*+266*	+242	+206	+135	+ 67	+ 23	- 54	43.0	Equinox
- 90	- 1	+ 94	+140	+176	*+192*	+184	+128	+100	+ 50	0	37.0	Summer

TABLE VIII. - NON-CYCLIC CHANGE (24^h *minus* 0^h)

Month 1964	All Days			International Quiet Days			International Disturbed Days		
	Declination West	Horizontal Intensity	Vertical Intensity	Declination West	Horizontal Intensity	Vertical Intensity	Declination West	Horizontal Intensity	Vertical Intensity
	′	γ	γ	′	γ	γ	′	γ	γ
January	−0.05	+0.1	−0.2	+0.32	+4.2	−1.2	−0.10	−1.8	−0.2
February	+0.04	+0.4	+0.1	−0.08	+2.4	−0.6	−1.70	−5.2	+1.4
March	−0.01	0.0	+0.1	−0.06	+7.6	−1.2	+0.10	−8.2	+0.6
April	−0.27	+0.3	−0.8	−0.02	+3.2	−1.0	−0.64	−2.6	−2.4
May	+0.25	+0.4	+0.6	+0.32	+3.6	−1.2	+1.88	−6.8	+3.4
June	−0.02	0.0	+0.1	+0.12	−1.0	0.0	+0.48	−8.0	+0.4
July	−0.01	+0.1	−0.1	0.00	+6.0	−1.4	−0.74	−7.4	−1.8
August	−0.17	+0.3	−0.3	+0.32	+4.8	−0.8	+0.74	−5.2	−3.0
September	+0.13	−0.6	+0.3	+0.04	+2.4	−0.4	+2.22	−9.6	+0.4
October	−0.02	−0.1	+0.2	−0.18	+1.4	−0.4	+0.14	−1.1	−0.8
November	−0.03	−0.1	0.0	+0.50	+5.2	−3.0	−1.44	−1.2	+1.2
December	+0.03	+0.4	−0.2	+0.02	+1.4	−1.4	−0.68	−7.4	+1.6
Year	..	..	..	+0.11	+3.4	−1.0	+0.02	−5.4	+0.1

TABLE IX. - MEAN MONTHLY AND ANNUAL VALUES OF GEOMAGNETIC ELEMENTS

Month 1964	Declination West	Inclination	Horizontal Intensity	North Intensity	West Intensity	Vertical Intensity	Total Intensity
	° ′	° ′	c.g.s.	c.g.s.	c.g.s.	c.g.s.	c.g.s.
January	9 37.4	66 37.3	.18820	.18556	.03146	.43538	.47431
February	9 37.1	66 37.1	.18824	.18559	.03145	.43536	.47431
March	9 36.7	66 36.7	.18828	.18564	.03143	.43534	.47431
April	9 36.3	66 36.0	.18831	.18567	.03142	.43534	.47432
May	9 35.6	66 36.0	.18838	.18575	.03139	.43534	.47435
June	9 35.4	66 35.7	.18843	.18580	.03139	.43534	.47437
July	9 34.9	66 35.5	.18847	.18584	.03137	.43534	.47438
August	9 34.7	66 35.4	.18848	.18585	.03136	.43533	.47438
September	9 33.9	66 35.5	.18846	.18584	.03132	.43534	.47438
October	9 33.5	66 35.8	.18844	.18583	.03129	.43538	.47441
November	9 33.3	66 35.4	.18850	.18589	.03129	.43539	.47445
December	9 33.0	66 34.9	.18856	.18595	.03128	.43537	.47445
Year	9 35.2	66 35.9	.18840	.18577	.03137	.43535	.47437

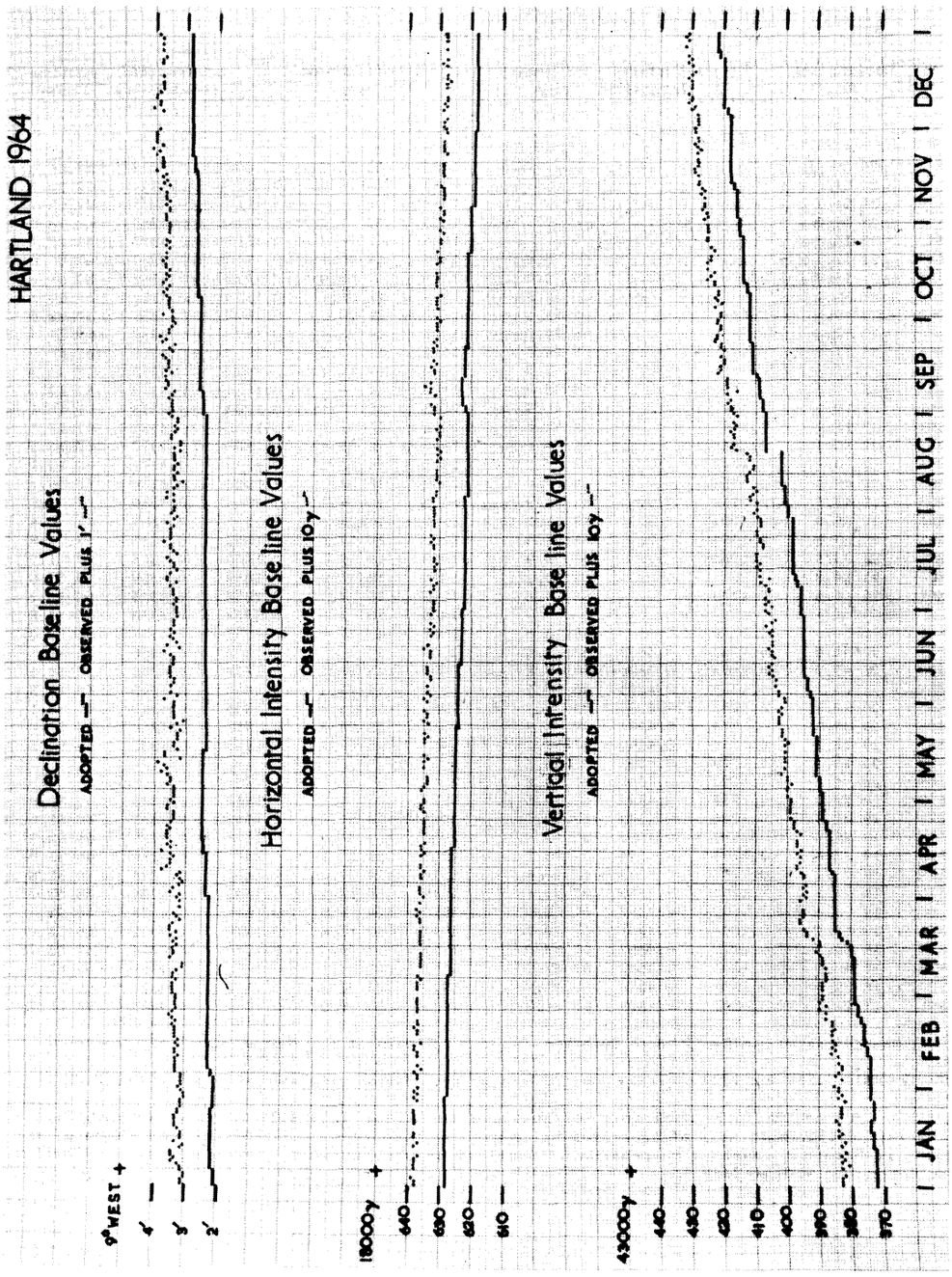

HARTLAND 1964
Declination Baseline Values
ADOPTED — OBSERVED PLUS 1'
9°WEST +
4'
3'
2'
Horizontal Intensity Baseline Values
ADOPTED — OBSERVED PLUS 10γ
18000γ +
640
630
620
610
Vertical Intensity Baseline Values
ADOPTED — OBSERVED PLUS 10γ
43000γ +
440
430
420
410
400
390
380
370
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC

TABLE X(A). - MEAN ANNUAL VALUES OF MAGNETIC ELEMENTS DETERMINED AT THE ROYAL OBSERVATORY, GREENWICH, BETWEEN THE YEARS 1818 AND 1925

Year	Declination West	Horizontal Intensity	Vertical Intensity	Inclination	Year	Declination West	Horizontal Intensity	Vertical Intensity	Inclination
	° ′	c.g.s.	c.g.s.	° ′		° ′	c.g.s.	c.g.s.	° ′
1818	24 19 †	..	..	..	1882	18 22.3	0.1806	0.4375	67 34.2
1819	24 21	..	..	..	1883	18 15.0	0.1812	0.4381	67 31.7
1820	24 21	..	..	..	1884	18 7.6	0.1814	0.4379	67 29.7
1841	23 16.2	..	..	..	1885	18 1.7	0.1817	0.4380	67 28.0
1842	23 14.6	..	..	..	1886	17 54.5	0.1818	0.4377	67 27.1
1843	23 11.7	..	..	69 0.6	1887	17 49.1	0.1819	0.4380	67 26.6
1844	23 15.3	..	..	69 0.3	1888	17 40.4	0.1822	0.4383	67 25.6
1845	22 56.7	..	..	68 57.5	1889	17 34.9	0.1823	0.4380	67 24.3
1846	22 49.6	0.1731	..	68 58.1	1890	17 28.6	0.1825	0.4381	67 23.0
1847	22 51.3	0.1736	..	68 59.0	1891	17 23.4	0.1827	0.4380	67 21.5
1848	22 51.8	0.1731	..	68 54.7	1892	17 17.4	0.1829	0.4379	67 20.0
1849	22 37.8	0.1733	..	68 51.3	1893	17 11.4	0.1831	0.4373	67 17.9
1850	22 23.5	0.1738	..	68 46.9	1894	17 4.6	0.1831	0.4374	67 17.4
1851	22 18.3	0.1744	..	68 40.4	1895	16 57.4	0.1834	0.4378	67 16.1
1852	22 17.9	0.1745	..	68 42.7	1896	16 51.7	0.1835	0.4382	67 15.1
1853	22 10.1	0.1748	..	68 44.6	1897	16 45.8	0.1838	0.4377	67 13.5
1854	22 0.8	0.1749	..	68 47.7	1898	16 39.2	0.1840	0.4377	67 12.1
1855	21 48.4	0.1756	..	68 44.6	1899	16 34.2	0.1843	0.4380	67 10.5
1856	21 43.5	0.1759	..	68 43.5	1900	16 29.0	0.1846	0.4380	67 8.8
1857	21 35.4	0.1769	..	68 31.1	1901	16 26.0	0.1850	0.4381	67 6.4
1858	21 30.3	0.1762	..	68 28.3	1902	16 22.8	0.1852	0.4377	67 3.8
1859	21 23.5	0.1761	..	68 26.9	1903	16 19.1	0.1852	0.4368	67 1.2
1860	21 14.3	..	..	68 30.1	1904	16 15.0	0.1854	0.4359	66 57.6
1861	21 5.5	0.1773	..	68 24.6	1905	16 9.9	0.1854	0.4355	66 56.3
					1906	16 3.6	0.1854	0.4353	66 55.6
1861		0.1759		68 15.8	1907	15 59.8	0.1855	0.4357	66 56.2
1862	20 52.6	0.1763	0.4403	68 9.6	1908	15 53.5	0.1854	0.4356	66 56.3
1863	20 45.9	0.1764	0.4396	68 7.0	1909	15 47.6	0.1854	0.4348	66 54.1
1864	..	0.1767	0.4393	68 4.1	1910	15 41.2	0.1855	0.4345	66 52.8
1865	20 33.9	0.1767	0.4388	68 2.7	1911	15 33.0	0.1855	0.4342	66 52.1
1866	20 28.0	0.1773	0.4397	68 1.3	1912	15 24.3	0.1855	0.4340	66 51.8
1867	20 20.5	0.1777	0.4392	67 57.2	1913	15 15.2	0.1853	0.4333	66 50.5
1868	20 13.1	0.1779	0.4395	67 56.5					
1869	20 4.1	0.1782	0.4396	67 54.8					
1870	19 53.0	0.1784	0.4392	67 52.5	1914	15 6.3	0.1853	0.4333	66 50.8
1871	19 41.9	0.1786	0.4389	67 50.3	1915	14 56.5	0.1851	0.4331	66 51.6
1872	19 36.8	0.1789	0.4383	67 47.8	1916	14 46.9	0.1848	0.4326	66 52.2
1873	19 33.4	0.1793	0.4386	67 45.8	1917	14 37.1	0.1848	0.4330††	66 53.0
1874	19 28.9	0.1797	0.4387	67 43.6	1918	14 27.8	0.1846	0.4325	66 52.8
1875	19 21.2	0.1797	0.4383	67 42.4	1919	14 18.2	0.1845	0.4324	66 53.3
1876	19 8.3	0.1799	0.4383	67 41.0	1920	14 8.6	0.1845	0.4325	66 53.6
1877	18 57.2	0.1800	0.4381	67 39.7	1921	13 57.6	0.1845	0.4322	66 53.0
1878	18 49.3	0.1802	0.4382	67 38.2	1922	13 46.7	0.1844	0.4318	66 52.3
1879	18 40.5	0.1805	0.4382	67 37.0	1923	13 35.1	0.1843	0.4314	66 51.9
1880	18 32.6	0.1805	0.4380	67 35.7	1924	13 22.8	0.1843	0.4311	66 51.6
1881	18 27.1	0.1807	0.4379	67 34.7	1925	13 9.9	0.1841	0.4308	66 51.4

† Mean of seven months, June to December.

†† Mean of ten months, March to December.

In 1818, 1819 and 1820 numerous observations of Declination were made with a Dollond needle.

In 1861 new Unifilar Apparatus for absolute Horizontal Intensity and the Airy Dip-Circle were introduced, both sets of apparatus being used in that year. In 1864 the excavation of the Magnetic Basement caused a suspension of Declination Observations. From 1914 the Inclination was determined with an Inductor.

TABLE X(B). - MEAN ANNUAL VALUES OF MAGNETIC ELEMENTS DETERMINED AT THE ABINGER MAGNETIC STATION, FOR THE YEARS 1925-1956

Year	Declination West	Horizontal Intensity	Vertical Intensity	Inclination	Year	Declination West	Horizontal Intensity	Vertical Intensity	Inclination
	° ′	c.g.s.	c.g.s.	° ′		° ′	c.g.s.	c.g.s.	° ′
1925	13 22.7	0.18597	0.42946	66 35.1	1941	10 33.8	0.18539	0.43128	66 44.3
1926	13 10.4	0.18581	0.42947	66 36.3	1942	10 24.8	0.18554	0.43146	66 43.9
1927	12 58.4	0.18575	0.42932	66 36.2	1943	10 16.2	0.18556	0.43172	66 44.5
1928	12 47.0	0.18564	0.42941	66 37.3	1944	10 7.8	0.18566	0.43189	66 44.3
1929	12 35.8	0.18555	0.42918	66 37.2	1945	9 59.5	0.18573	0.43207	66 44.3
1930	12 24.6	0.18542	0.42924	66 38.2	1946	9 51.1	0.18569	0.43235	66 45.4
1931	12 13.7	0.18543	0.42923	66 38.1	1947	9 43.1	0.18577	0.43246	66 45.2
1932	12 2.6	0.18536	0.42940	66 39.1	1948	9 35.4	0.18593	0.43255	66 44.4
1933	11 51.7	0.18532	0.42942	66 39.4	1949	9 27.5	0.18607	0.43273	66 44.0
1934	11 41.1	0.18533	0.42955	66 39.7	1950	9 19.7	0.18628	0.43288	66 43.0
1935	11 30.3	0.18527	0.42981	66 40.9	1951	9 12.2	0.18648	0.43305	66 42.1
1936	11 20.0	0.18524	0.43007	66 41.8	1952	9 4.7	0.18670	0.43316	66 41.0
1937	11 10.4	0.18522	0.43031	66 42.7	1953*	8 57.5	0.18695	0.43321	66 39.5
1938*	11 1.4	0.18522	0.43050	66 43.2	1954	8 50.9	0.18720	0.43332	66 38.1
1939	10 51.9	0.18528	0.43074	66 43.5	1955*	8 43.6	0.18738	0.43348	66 37.3
1940	10 43.0	0.18533	0.43099	66 43.9	1956	8 36.8	0.18750	0.43376	66 37.4

* Discontinuities of −1.7γ in H and −3.9γ in Z were introduced in 1938.
" " −0.6γ " H " −1.3γ " Z " " " 1953.
" " −0.4γ " H " −1.2γ " Z " " " 1955.

TABLE X(C). - MEAN ANNUAL VALUES OF MAGNETIC ELEMENTS DETERMINED AT THE HARTLAND MAGNETIC STATION, FOR THE YEARS 1957-1969

Year	Declination West	Inclination	Horizontal Intensity	North Intensity	West Intensity	Vertical Intensity	Total Intensity
	° ′	° ′	c.g.s.	c.g.s.	c.g.s.	c.g.s.	c.g.s.
1957†	10 17.2	66 47.8	.18627	.18328	.03327	.43451	.47275
1958	10 11.0	66 46.3	.18655	.18361	.03298	.43465	.47299
1959	10 5.0	66 45.1	.18681	.18392	.03271	.43484	.47326
1960	9 58.8	66 43.9	.18707	.18424	.03242	.43504	.47355
1961	9 53.0	66 41.7	.18744	.18466	.03217	.43512	.47377
1962	9 46.9	66 39.5	.18779	.18506	.03191	.43517	.47396
1963	9 40.6	66 37.9	.18807	.18540	.03161	.43528	.47417
1964	9 35.2	66 35.9	.18840	.18577	.03137	.43535	.47437
1965	9 30.1	66 33.9	.18872	.18613	.03115	.43540	.47454
1966	9 25.1	66 32.7	.18897	.18642	.03092	.43554	.47477
1967	9 20.3	66 31.6	.18923	.18672	.03070	.43573	.47504
1968	9 15.5	66 29.9	.18956	.18709	.03050	.43592	.47536
1969	9 11.1	66 27.9	.18994	.18751	.03032	.43611	.47568

† Comparisons of the mean hourly values obtained at Abinger and Hartland during the first quarter of 1957 gave the following mean differences for Hartland *minus* Abinger:-

D (west)	H	Z	I
° ′	c.g.s.	c.g.s.	° ′
1 46.6	−.00146	+.00056	+0 11.4

Corrections to Royal Observatory Bulletin No. 40

The hourly means of the vertical component for 12^h-24^h on April 3 and 4 are transposed, and the following corrections should be made.

p. D 32, April 3, 12^h-16^h should read 436 443 453 465
April 4, 12^h-16^h should read 416 434 463 481
Mean **, 12^h-16^h should read 432 443 458 479

p. D 33, April 3, 16^h-24^h, Mean, substitute the following:

475 476 473 467 468 463 461 462 457

April 4, 16^h-24^h, Mean, substitute the following:

496 512 521 509 513 500 474 472 468

Mean **, 16^h-24^h, Mean, substitute the following:

489 497 500 494 483 480 471 461 461

p. D 52, Inclination, substitute the following lines:

April	- 85	- 66	- 85	- 99	*-108*	- 96	- 87	- 23	+ 5	+ 57	+144	*+231*	+139
Year	- 99	-112	-147	-158	*-161*	-141	-100	- 21	+ 49	+ 89	+139	*+156*	+129
Equinox	-122	-121	-126	-213	*-230*	-221	-173	- 89	- 30	+ 39	+112	+151	*+153*

p. D 53, Inclination, substitute the following lines:

+161	+128	+ 37	- 3	- 47	- 72	- 49	- 26	+ 26	- 10	- 65	3.39 April
+119	+ 96	+ 44	- 12	- 32	- 8	+ 29	+ 44	+ 43	+ 33	+ 23	4.99 Year
+136	+140	+ 86	+ 33	+ 50	+ 47	+105	+119	+105	+ 49	0	4.71 Equinox

p. D 54, Vertical Component, substitute the following lines:

April	- 47	- 61	-103	-127	-109	-107	- 93	- 79	- 93	-189	-279	*-311*	-283
Year	- 73	-111	-192	-224	-211	-186	-166	-148	-165	-196	-222	*-227*	-181
Equinox	-122	-128	-166	-250	-255	-219	-199	-159	-167	-199	-238	*-256*	-201

p. D 55, Vertical Component, substitute the following lines:

-173	- 31	+179	+287	+359	*+397*	+333	+227	+197	+103	+ 5	70.8 April
- 81	+ 62	+239	+343	+378	*+399*	+371	+310	+159	+ 94	+ 34	77.3 Year
- 82	+ 79	+257	+419	*+501*	+462	+421	+340	+172	+ 51	- 58	83.3 Equinox

p. D 56, Table VIII, April Disturbed Days Vertical Intensity *for* -2.6 *read* -0.4

Year *for* +3.2 *read* +3.4

Corrections to Royal Observatory Bulletin No. 146

p. D 5 1.13, Geographic Longitude of Hartland *for* 335° 31.′0 E *read* 355° 31.′0 E

p. D 10, February 10, 7^h-8^h *for* 56.′6 *read* 66.′6

This error makes the following corrections necessary:

p. D 10, February, Mean,	7^h-8^h *for*	66.′1 *read*	66.′5
Mean*,	7^h-8^h	63.′4	65.′4
p. D 11, February, 10,	Mean	67.′0	67.′4
Mean*,	Mean	67.′2	67.′3

p. D 48, Declination West, substitute the following line :

February *-407* -293 -250 -128 -140 -165 -115 - 89 -261 -296 -103 +138 +432

p. D 48, Declination West, Year,	4^h	*for*	-203 *read*	-204
	7^h		-367	-364
	12^h		+507	+506
Winter,	0^h		-313	-314
	4^h		- 99	-100
	7^h		- 97	- 88
	8^h		-165	-166
	9^h		-171	-172

p. D 49, Declination West, substitute the following line:

+592 *+652* +617 +417 +246 +128 - 6 - 96 -230 -287 -346 10.59 February

p. D 49, Declination West, Winter,	13^h	*for*	*+511* *read*	*+510*
	18^h		+103	+102

p. D 50, North Component, February	7^h	*for*	+160 *read*	+156
Winter,	7^h		+135	+134

p. D 50, West Component, substitute the following line:

February -202 -145 -127 - 56 - 53 - 56 - 28 - 21 -122 -161 - 84 + 40 +194

p. D 50, West Component, Year,	1^h	*for*	- 96 *read*	- 97
	4^h		- 94	- 95
	7^h		-193	-192
Winter,	1^h		-112	-113
	7^h		- 29	- 24

p. D 51, North Component, February,	14^h	*for*	-231 *read*	-230
	20^h		+ 46	+ 47

p. D 51, West Component, substitute the following line :

+279 +319 +305 +204 +124 + 65 - 1 - 45 -114 -140 -171 52.1 February

p. D 51, West Component, Winter,	13^h	*for*	+245 *read*	+244
	15^h		+216	+215

Corrections to Royal Observatory Bulletin No. 146 *contd.*

p. D 52, Declination West, substitute the following lines:

February	- 61	- 35	- 51	- 87	- 99	-123	-177	-197	-343	*-429*	-289	- 43	+243
Year	-106	-112	-122	-142	-188	-266	-352	-439	*-502*	-433	-200	+ 92	+382
Winter	-138	-112	-108	- 98	-104	-104	-129	-162	-232	*-256*	-147	+ 23	+242

p. D 53, Declination West, substitute the following lines:

+369	*+417*	+363	+227	+141	+121	+ 93	+ 33	- 17	- 37	- 15	8.46	February
+529	*+540*	+446	+323	+223	+169	+138	+ 83	+ 31	- 26	- 69	10.84	Year
+356	+353	+296	+232	+186	+136	+ 98	+ 9	- 83	-118	-144	6.79	Winter

p. D 54, North Component, substitute the following line:

February	+ 15	+ 16	+ 28	+ 35	+ 54	+ 76	+108	+ 73	- 19	-115	-188	*-213*

p. D 54, North Component, Year, 5^h *for* +73 *read* +74
7^h +45 +43

Winter, 0^h +18 +19
1^h +19 +20
7^h +91 +86
10^h -112 -111
12^h *-177* *-176*

p. D 54, West Component, substitute the following lines:

February	- 31	- 16	- 23	- 42	- 45	- 54	- 78	- 89	-176	*-240*	-180	- 57	+ 96
Winter	- 73	- 58	- 57	- 51	- 51	- 47	- 55	- 73	-118	*-146*	-101	- 16	+102

p. D 54, West Component, Year, 0^h *for* -48 *read* -49
2^h -58 -59
4^h -92 -93
7^h -243 -235
9^h -258 -259

p. D 55, North Component, substitute the following line:

-200	-151	-122	- 80	- 16	+ 51	+ 83	+ 86	+ 97	+138	*+142*	35.5	February

p. D 55, North Component, Year, 15^h *for* -80 *read* -79

p. D 55, West Component, substitute the following lines:

+168	*+203*	+179	+111	+ 75	+ 76	+ 66	+ 34	+ 8	+ 4	+ 17	44.3	February
+169	*+175*	+150	+121	+103	+ 84	+ 66	+ 19	- 30	- 48	- 65	35.1	Winter

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