



# RESULTS OF THE MAGNETIC OBSERVATIONS

*Made at the  
Royal Greenwich Observatory, Abinger*

*in the year*

1955

UNDER THE DIRECTION OF  
SIR HAROLD SPENCER JONES, Sc.D., F.R.S.  
ASTRONOMER ROYAL

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ABINGER MAGNETOGRAMS	



THE ROYAL GREENWICH OBSERVATORY

ABINGER MAGNETIC OBSERVATIONS, 1955

STAFF

Staff engaged in the Magnetic department during the year 1955 were:- H. F. Finch (Superintendent), E. A. Chamberlain (Officer-in-Charge at Abinger), P. L. Rickerby, G. F. Wells, B. R. Leaton, R. G. Lorton, D. R. A. Christie, P. J. Willmoth, and Miss S. H. Francis.

THE MAGNETIC OBSERVATORY\*

Latitude 51°11' 5" North  
 Longitude 0°23' 12" West  
 Height above m.s.l. 800 feet

*Variometers.*

Type	Time Scale	Element	Scale Value
Normal-run La Cour	15mm./hr.	Declination (D)	0'.92/mm.
		Horizontal Intensity (H)	4.35γ/mm.
		Vertical Intensity (Z)	4.35γ/mm.
Quick-run La Cour	3.1mm./min.	D, H and Z	Similar to Normal-run
Insensitive (Modified former Standard instruments)	15mm./hr.	D	3'.7/mm.
		H	19.5γ/mm.

*Observing Instruments.*

- D, Declinometer with collimating magnet and theodolite.
- H, Schuster-Smith Coil magnetometer.
- Z, Dye Coil magnetometer.

Checks upon the results obtained with these instruments are made from time to time with a dip inductor, by the Cambridge Instrument Company, and with QHMs and a BMZ. The azimuth of the mark used for declination observations is checked at intervals by observations of Polaris. The potentiometers used in conjunction with the H and Z coils were checked during the year at the National Physical Laboratory Teddington.

\* For a fuller description of the Observatory and its equipment see volumes prior to 1952.

## ABINGER MAGNETIC OBSERVATIONS, 1955.

## PUBLISHED RESULTS

*Tables.*

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

Table I. Declination at Abinger is West and the hourly values are given as such.

Tables V to VII are not adjusted for non-cyclic change. The inequalities quoted for the north and west components and the inclination are computed from those in D, H and Z. Extreme values are printed in heavy type.

Tables VIII and IX. The harmonic co-efficients given in these tables for International Quiet and Disturbed Days are corrected for non-cyclic change during analysis. The phase-angles in Table IX refer to Abinger Local Mean Time.

Table XVI (B). The values of current used in operating the H and Z coils prior to January 1, 1938, were converted from international units to c.g.s. units using the conversion factor 0.99997. On this date a value 0.99988, more in keeping with the recent determinations, was adopted. A further modification to 0.99985 was made on January 1, 1953.

These give rise to discontinuities in the determined values of H and Z. Between 1937 and 1938 these were  $-1.7\gamma$  and  $-3.9\gamma$ , respectively, while the corresponding changes occurring between 1952 and 1953 were  $-0.6\gamma$  and  $-1.3\gamma$ .

Discontinuities of  $-0.4\gamma$  in H and  $-1.2\gamma$  in Z occur on January 1, 1955. These arise from the adoption of revised coil constants consequent upon slight changes having occurred in the dimensions of the coils during the last 30 years.

*Magnetograms.*

These are reproduced on a scale approximately one third that of the originals. Base-line values to the nearest  $5\gamma$  in H and Z and to the nearest minute of arc in D, appropriate scale-values and the directions of increase are shown on the first reproduction on each page.

ROYAL GREENWICH OBSERVATORY

ABINGER MAGNETIC STATION

*Results of Magnetic Observations*

1955

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U. T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>		
8° + Tabular Quantities																											
January																											
1	45.5	44.9	45.4	45.8	46.4	46.8	47.0	47.2	47.6	48.2	49.7	50.6	50.2	48.8	48.1	48.2	48.6	48.7	48.5	46.0	45.5	46.5	45.7	44.8			
2	46.0	46.0	45.8	46.6	46.8	46.8	47.1	46.9	47.5	47.6	49.0	50.6	50.9	50.2	49.0	48.0	48.1	48.2	47.9	47.8	47.3	46.9	46.5	46.9			
3	47.0	46.8	47.0	46.9	47.0	47.5	47.4	47.3	46.9	47.6	49.7	50.8	51.2	51.4	48.8	48.1	48.0	47.8	47.2	46.9	46.8	46.8	46.9	46.4			
4	46.3	46.2	44.2	46.8	46.9	47.3	47.5	47.2	47.2	47.8	49.0	50.6	50.9	50.8	47.8	48.8	48.8	47.2	45.8	46.7	45.8	43.2	45.9	46.6			
5	46.7	47.2	47.1	46.8	46.8	47.0	47.1	46.4	46.3	46.8	48.3	49.0	50.5	50.0	48.8	48.7	47.9	48.1	47.7	47.6	46.8	40.7	45.2	46.4			
6	46.0	46.3	46.2	45.6	44.1	44.7	46.4	46.4	46.8	47.6	47.9	48.8	49.9	50.1	48.8	48.5	48.3	48.0	47.8	44.1	45.2	45.8	46.4	46.0			
7	46.4	46.5	46.0	45.7	46.7	46.8	46.9	46.7	46.8	46.7	47.8	49.3	51.0	51.1	49.5	49.7	49.6	49.7	48.5	47.8	46.3	45.9	46.7	46.4			
8	46.6	46.8	46.8	46.8	46.8	46.9	46.8	46.8	46.7	47.0	47.9	48.9	50.7	49.9	49.7	50.2	48.8	48.8	47.5	46.7	47.6	46.5	46.2	44.3			
9 **	39.6	42.8	46.4	45.7	45.6	45.3	51.0	47.2	48.6	46.9	48.0	49.8	51.0	50.0	53.4	46.2	49.8	49.4	45.3	47.3	47.1	46.6	46.6	46.6			
10 *	46.4	46.2	46.4	46.6	47.3	47.5	47.4	46.9	47.1	47.1	47.2	47.7	48.7	48.5	47.8	48.2	48.2	48.4	48.5	47.0	46.1	46.9	47.0	46.8			
11	46.2	47.2	47.5	45.8	46.8	47.5	47.6	47.6	47.7	47.8	47.8	48.8	49.9	50.8	51.8	49.4	49.3	49.5	48.9	48.4	47.8	46.8	38.2	39.0			
12	41.8	37.8	43.6	45.2	46.1	46.8	47.1	47.5	47.5	47.1	46.9	47.8	48.8	48.5	47.7	47.8	48.2	47.9	48.2	47.8	47.7	47.2	47.2	47.2			
13	47.1	45.8	44.6	46.4	46.7	46.1	48.2	48.3	48.2	48.7	49.5	49.0	48.6	48.8	49.1	47.3	48.0	48.6	47.5	47.1	45.6	45.4	45.9	46.3			
14	46.8	46.9	47.1	47.4	47.7	47.7	47.6	47.5	48.0	48.3	49.1	49.4	49.6	49.0	47.7	49.0	49.7	48.5	42.4	47.2	46.7	46.5	46.1	46.8			
15 *	46.6	46.5	46.6	46.9	46.7	47.4	47.4	47.2	47.7	48.0	48.1	48.3	48.6	48.5	48.1	48.0	47.6	47.1	47.0	46.5	46.7	46.7	46.7	46.6			
16	46.6	46.0	46.5	46.2	46.3	47.1	46.7	47.0	47.3	47.9	48.9	49.9	51.0	50.9	50.0	50.2	49.5	48.9	48.3	46.9	45.4	44.3	45.8	46.4			
17 **	46.5	46.1	46.1	47.5	46.7	46.5	46.8	46.7	47.0	48.6	48.1	47.4	50.6	54.7	54.9	53.7	48.2	46.6	47.3	47.3	46.4	46.3	47.0	45.2			
18 **	44.4	48.7	30.8	43.7	43.9	41.5	41.5	43.5	43.2	44.0	45.2	45.9	47.5	48.4	48.2	47.2	46.6	41.7	45.4	41.8	41.6	43.0	43.8	45.6			
19 **	48.3	47.7	47.5	52.5	53.2	56.5	61.6	55.5	50.8	47.2	50.5	48.6	47.7	47.4	50.4	47.3	46.7	38.2	39.1	40.8	39.7	39.7	43.7	40.8			
20 **	42.7	42.7	40.0	42.2	43.7	45.8	46.5	45.5	45.7	46.2	47.3	47.7	48.5	49.8	49.9	48.7	48.1	47.8	48.0	42.4	42.6	46.4	45.8	44.8			
21	46.7	43.4	44.8	45.7	46.8	47.4	47.5	46.7	46.3	46.4	47.3	48.6	49.1	49.3	48.5	48.1	48.0	48.7	48.7	47.8	47.5	46.1	46.7	46.8			
22	45.1	43.8	45.3	45.5	46.3	46.7	47.5	46.9	46.7	46.8	47.6	47.8	48.2	48.3	48.1	48.7	48.1	47.7	47.2	47.3	46.7	46.6	46.3	45.5			
23	45.6	44.1	43.4	44.7	46.3	46.5	46.7	47.0	48.1	49.2	49.7	49.7	49.9	50.4	50.0	50.0	49.2	45.8	48.4	46.5	38.6	41.1	42.0	44.6			
24 *	45.5	45.8	46.7	46.7	47.2	46.8	46.9	46.9	46.5	46.7	47.1	47.6	47.9	48.7	48.8	48.9	47.9	48.6	47.8	47.4	46.4	45.9	45.3	46.3			
25 *	46.9	46.4	46.5	46.7	46.7	47.1	47.3	46.7	46.8	46.9	47.4	48.7	49.8	49.7	48.9	48.5	47.9	47.7	47.8	47.6	46.5	46.1	45.9	45.8			
26 *	45.8	45.9	46.4	46.7	46.7	46.9	47.0	46.6	46.2	45.9	46.5	47.8	48.6	48.7	47.6	47.0	47.3	47.7	47.6	47.2	46.6	46.5	46.4	46.4			
27	46.4	46.4	46.6	46.8	46.7	46.6	47.1	47.1	47.4	47.7	47.5	48.2	49.6	50.0	49.7	49.2	49.5	50.4	49.9	48.0	42.0	38.6	45.1	45.0			
28	44.6	44.1	42.6	43.3	44.6	45.0	46.6	46.6	46.6	46.2	46.5	47.1	47.9	48.2	47.5	47.6	47.8	48.0	48.1	47.6	46.6	45.7	46.4	46.7			
29	45.6	46.1	46.6	46.6	46.4	46.7	47.4	47.3	47.8	47.8	47.6	48.1	48.6	49.4	49.3	48.4	48.0	47.8	48.1	48.0	45.1	40.6	38.2	43.3			
30	45.6	46.6	46.7	45.7	46.3	46.1	46.1	46.6	46.3	46.9	47.3	47.7	48.7	49.0	49.0	48.6	48.4	47.6	48.2	48.0	46.7	43.7	45.0	45.0			
31	44.6	45.1	45.1	45.5	44.8	45.6	46.1	46.6	47.1	47.5	47.1	47.2	47.6	48.2	48.2	48.0	47.8	47.5	46.4	47.2	46.6	46.0	43.1	44.6			
Mean	45.7	45.6	45.2	46.2	46.5	46.8	47.5	47.1	47.1	47.3	48.0	48.6	49.4	49.6	49.2	48.6	48.3	47.6	47.3	46.7	45.6	45.0	45.3	45.4			
Mean *	46.2	46.2	46.5	46.7	46.9	47.1	47.2	46.9	46.9	46.9	47.3	48.0	48.7	48.8	48.2	48.1	47.9	48.0	47.8	47.2	46.4	46.4	46.3	46.4			
Mean **	44.3	45.6	42.2	46.3	46.6	47.1	49.5	47.7	47.1	46.6	47.8	47.9	49.1	50.1	51.4	48.6	47.9	44.7	45.0	43.9	43.5	44.4	45.4	44.6			
8° + Tabular Quantities																											
February																											
1 *	45.8	46.0	45.9	46.0	46.1	46.3	46.6	46.5	47.0	46.9	47.5	47.7	48.3	48.8	48.6	47.7	47.8	47.7	47.1	46.7	45.8	46.3	45.8	44.9			
2 *	44.7	44.8	45.4	45.7	46.3	46.4	46.9	46.6	46.6	46.9	47.5	48.5	49.4	49.6	48.6	47.7	48.4	48.4	47.6	47.0	46.5	44.6	44.7	44.6			
3	41.1	42.7	43.6	46.9	46.2	45.2	46.7	47.6	48.1	47.8	47.6	47.6	48.1	48.5	49.3	49.1	49.7	49.2	48.6	47.6	46.5	45.8	43.8	45.3			
4 **	45.0	44.7	44.3	44.2	44.3	44.6	45.5	46.5	47.0	48.1	48.6	51.4	50.2	49.5	48.9	48.6	50.1	48.5	47.4	45.9	39.0	41.8	42.7	40.7			
5 **	43.5	46.2	42.6	44.4	45.2	45.4	46.7	46.6	46.8	46.5	47.0	47.7	49.2	49.6	48.8	48.7	48.5	47.2	42.4	43.1	45.8	44.1	43.2	41.7			
6	44.5	45.4	45.8	45.5	46.3	47.2	45.5	46.2	46.4	46.6	46.6	47.5	47.3	49.1	49.7	49.5	50.3	47.4	46.6	46.9	46.5	42.5	42.4	44.7			
7	43.2	42.8	42.3	43.6	47.3	45.4	46.2	46.6	47.6	48.1	47.7	48.3	50.0	50.3	47.3	46.7	47.7	47.6	46.3	44.4	44.5	45.1	44.9	44.6			
8	46.2	45.4	45.4	45.0	46.2	46.0	46.0	46.6	46.7	47.1	47.4	48.4	49.2	48.0	47.3	47.5	38.8	44.6	46.5	44.6	41.9	42.8	42.9	44.4			
9	44.9	45.6	45.0	45.2	43.5	44.3	44.6	46.5	47.5	47.8	48.4	48.4	48.5	48.5	47.7	47.2	47.3	47.9	45.9	45.6	45.8	45.8	45.3	45.5			
10 *	45.6	44.9	44.7	44.6	44.4	45.2	45.6	46.1	47.2	48.5	48.6	49.3	48.6	47.6	46.6	46.0	46.4	46.5	46.6	45.4	45.5	44.8	44.7	45.6			
11	45.3	45.1	45.4	45.3	45.6	45.6	45.8	46.0	46.9	47.4	47.5	48.6	48.8	50.2	50.1	49.4	48.7	44.7	45.1	45.6	37.6	41.6	45.6	45.9			
12	47.0	44.8	44.1	44.0	45.2	44.3	44.8	45.6	46.4	46.5	47.0	47.7	48.2	48.1	48.1	46.8	47.3	47.9	47.3	46.6	46.1	45.2	44.6	44.3			
13	43.7	47.2	43.6	42.6	43.6	44.7	45.5	46.0	46.4	46.6	48.4	49.0	49.0	49.2	48.8	47.5	46.3	47.9	46.9	44.8	44.4	46.0	46.0	45.9			
14	45.4	45.3	45.6	44.5	44.4	46.3	45.8	46.6	47.9	47.9	48.0	48.3	50.0</														

MAGNETIC OBSERVATIONS, ABINGER, 1955.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
8° + Tabular Quantities																										
March																										
1 *	44.7	44.7	45.6	45.6	45.0	45.0	45.2	44.8	44.4	44.6	46.4	48.5	49.6	49.4	48.3	47.6	46.7	46.4	45.3	44.9	44.9	44.9	44.9	44.9	44.0	
2 *	44.2	44.5	44.0	43.3	43.6	43.8	44.6	44.8	44.8	45.3	46.2	47.6	48.6	48.9	48.6	48.1	47.0	47.2	46.8	46.5	46.1	46.0	45.6	45.1	45.6	
3 *	45.1	45.0	45.0	45.2	45.1	46.0	45.6	45.1	44.6	44.9	46.6	48.3	49.5	49.6	48.8	47.8	46.7	46.6	46.6	46.4	45.9	45.8	45.9	45.6	45.6	
4 *	45.3	45.3	45.3	45.5	45.3	45.4	45.3	44.6	44.2	44.1	45.0	46.6	49.1	49.6	49.0	47.6	46.7	47.1	47.1	47.4	45.4	45.6	45.6	43.7	43.7	
5	43.2	42.6	41.7	42.5	42.6	42.6	43.7	44.6	44.1	44.9	46.5	48.0	49.6	50.4	49.8	49.6	47.6	46.0	46.3	45.2	44.6	40.6	40.6	40.6	40.6	
6	42.5	42.6	42.1	43.3	44.5	43.9	44.9	44.4	44.1	45.0	45.3	47.3	48.1	50.0	49.5	48.5	47.2	46.6	45.8	46.5	43.6	45.1	44.7	44.3	44.3	
7 **	44.9	44.3	37.0	38.3	40.8	42.2	44.5	45.0	46.8	45.5	45.9	47.8	49.1	49.4	48.8	48.7	47.4	40.6	43.8	43.9	37.4	37.8	40.7	41.7	41.7	
8	44.0	45.5	44.2	41.9	41.6	42.0	43.7	44.7	44.2	43.7	44.7	46.6	49.1	50.6	49.9	48.6	48.5	40.9	34.5	41.6	44.5	44.6	46.6	43.1	43.1	
9 **	43.6	44.0	42.7	43.5	43.6	43.6	45.8	45.0	44.0	45.1	47.9	51.7	53.5	55.3	55.7	53.8	51.9	50.6	33.4	40.2	43.0	43.6	45.3	46.3	46.3	
10	44.9	44.0	43.1	43.2	44.6	45.3	44.4	45.9	45.9	45.3	48.3	49.7	50.3	50.5	48.0	48.8	47.6	47.0	45.0	43.2	39.0	40.5	43.3	46.3	46.3	
11	45.7	42.9	42.5	43.7	43.9	43.7	45.4	45.4	43.8	44.9	46.9	50.6	51.6	51.3	49.6	49.5	43.5	43.1	46.7	46.4	45.6	44.7	44.9	45.2	45.2	
12	44.8	44.5	43.8	48.5	43.6	43.7	43.9	45.2	45.6	45.0	46.7	47.6	49.5	48.7	48.9	49.4	45.7	45.1	46.1	46.2	45.3	44.4	43.6	44.4	44.4	
13	43.1	44.9	45.1	43.8	43.6	44.1	44.8	44.4	44.6	45.6	46.5	48.1	49.6	49.7	50.2	48.6	47.8	46.1	45.4	44.9	39.3	41.1	43.9	43.0	43.0	
14	48.9	43.2	41.8	43.2	43.6	45.0	44.6	44.4	43.7	44.1	46.4	47.8	49.3	49.5	49.7	46.8	45.6	45.5	38.5	45.2	43.3	40.9	43.6	46.1	46.1	
15	44.9	39.3	41.2	45.4	41.7	42.0	45.1	47.2	48.5	47.5	47.9	47.2	49.7	49.5	48.0	48.3	47.3	46.5	46.4	45.2	43.9	44.5	45.8	44.7	44.7	
16	43.6	43.2	41.5	41.1	45.2	44.1	44.6	44.5	44.5	45.4	46.0	47.9	49.0	49.0	48.7	48.0	47.5	45.9	46.9	45.6	41.4	36.8	39.0	37.5	37.5	
17	43.4	41.9	43.5	44.0	44.6	44.3	45.1	46.3	46.8	45.9	46.5	48.3	48.8	48.5	47.9	47.3	47.5	45.8	46.2	46.2	45.9	45.8	45.6	45.4	45.4	
18	45.3	44.4	44.2	44.2	44.3	45.0	44.9	45.6	45.7	43.8	45.0	49.2	49.9	50.6	50.2	50.0	46.0	36.3	47.0	44.9	41.3	43.5	44.8	44.8	44.8	
19	45.0	43.8	42.5	42.7	43.5	44.2	44.9	44.3	43.7	44.5	45.5	47.5	49.0	49.5	48.9	48.5	47.3	46.5	46.3	45.2	42.5	44.1	45.6	45.6	45.6	
20	45.5	45.5	44.5	44.0	44.0	43.9	44.2	43.6	43.6	44.0	46.4	49.4	50.1	50.5	48.6	46.5	45.5	45.5	45.6	45.5	45.7	46.0	45.5	40.2	40.2	
21	38.5	42.6	43.7	43.5	43.4	43.5	43.7	43.3	43.0	43.7	45.8	48.1	49.5	49.9	49.5	47.5	45.9	45.6	46.7	46.6	45.4	40.6	42.2	44.6	44.6	
22 **	45.5	45.4	45.4	44.6	44.7	44.5	44.4	44.0	45.5	48.1	50.6	51.4	53.4	55.0	55.4	48.4	47.4	40.5	40.5	45.7	45.5	44.7	45.5	45.1	45.1	
23	45.0	44.9	44.9	44.6	44.5	44.5	44.0	43.5	43.0	43.7	45.0	47.5	49.2	50.5	49.4	48.0	48.8	49.5	48.6	46.9	41.9	29.5	42.4	44.3	44.3	
24	44.5	43.5	43.5	40.0	41.3	43.4	42.7	42.6	43.4	44.7	46.4	49.3	50.7	51.1	50.8	49.6	48.2	46.6	45.9	45.3	45.5	44.9	44.5	44.7	44.7	
25	44.8	44.8	44.9	45.1	44.5	44.3	44.2	42.1	41.6	43.6	47.1	48.5	51.1	51.4	50.9	49.9	47.7	46.5	46.5	43.0	40.6	42.7	44.5	44.9	44.9	
26	44.5	44.9	44.5	44.6	44.5	45.3	46.7	49.6	48.5	49.0	50.1	51.0	51.7	54.3	52.6	49.5	47.9	47.3	46.5	46.1	45.5	45.3	45.3	44.5	44.5	
27	44.9	44.5	44.6	45.2	44.4	43.8	43.4	42.6	41.5	42.1	45.9	49.4	52.1	53.6	54.5	52.3	48.5	46.5	46.2	45.0	45.1	44.9	44.6	43.4	43.4	
28	44.5	43.6	43.8	44.4	44.5	44.6	44.5	43.1	42.8	43.5	45.8	48.6	49.6	51.5	50.4	48.5	47.0	45.9	46.1	46.2	45.9	45.5	43.5	43.1	43.1	
29 *	42.4	42.6	43.5	44.4	44.6	44.6	45.3	43.9	42.5	42.5	44.7	47.5	49.5	50.2	49.2	48.0	46.8	46.1	45.6	45.6	45.6	45.4	45.3	44.9	44.9	
30 **	44.9	45.6	45.2	44.4	44.3	44.3	44.5	43.5	43.5	44.3	45.8	49.3	51.2	52.1	52.2	49.4	49.7	49.1	47.5	39.9	44.2	37.1	37.8	41.8	41.8	
31 **	43.7	43.5	42.5	34.3	41.1	42.4	42.5	51.2	52.5	46.1	48.1	47.5	50.5	51.6	51.4	44.1	43.3	43.7	45.2	38.4	44.5	40.2	43.6	43.4	43.4	
Mean	44.4	43.9	43.5	43.5	43.8	44.0	44.6	44.8	44.7	44.9	46.5	48.5	50.0	50.7	50.1	48.6	47.2	45.6	45.0	44.8	43.8	42.8	44.0	43.9	43.9	
Mean *	44.3	44.4	44.7	44.8	44.7	45.0	45.2	44.6	44.1	44.3	45.8	47.7	49.3	49.5	48.8	47.8	46.8	46.7	46.3	46.2	45.6	45.5	45.5	44.7	44.7	
Mean **	44.5	44.6	42.6	41.0	42.9	43.4	44.3	45.7	46.5	45.8	47.7	49.5	51.5	52.7	52.7	48.9	47.9	44.9	42.1	41.6	42.9	40.7	42.6	43.7	43.7	
8° + Tabular Quantities																										
April																										
1	46.2	45.6	45.2	43.8	41.8	43.4	43.6	42.4	42.7	44.4	47.5	50.6	50.2	49.4	47.6	46.4	45.2	44.9	44.8	45.3	44.8	37.9	37.5	39.7	39.7	
2	43.9	42.1	41.5	41.5	42.8	43.2	42.8	43.3	43.3	44.4	46.6	48.9	53.4	53.9	52.6	52.5	50.3	47.8	44.7	44.7	44.2	43.5	41.4	44.5	44.5	
3	44.7	43.6	43.3	43.1	44.0	43.3	42.9	42.8	41.8	43.8	46.5	49.9	52.0	53.3	53.8	52.7	49.6	48.4	46.6	45.8	44.7	45.6	46.0	45.4	45.4	
4	44.8	44.3	45.3	43.6	43.9	43.8	44.6	44.4	43.4	44.3	47.3	49.9	50.3	50.5	48.8	47.7	47.2	47.0	42.8	39.7	44.7	45.6	42.3	38.7	38.7	
5 **	36.4	42.6	45.6	44.2	43.3	42.6	44.3	43.6	42.5	43.6	45.4	48.6	50.7	53.3	51.0	49.6	48.8	48.2	46.5	42.5	43.6	43.7	44.5	44.5	44.5	
6	44.5	45.2	46.1	42.4	43.1	44.4	43.6	42.6	42.2	43.6	46.6	50.1	51.4	52.4	51.8	49.6	47.5	46.0	45.2	45.1	44.6	36.9	38.6	39.2	39.2	
7 **	46.2	46.6	43.2	46.6	42.7	42.6	41.8	41.6	41.6	44.4	46.0	49.0	50.6	52.7	51.0	49.6	47.6	46.6	43.6	40.6	42.1	42.6	44.0	45.6	45.6	
8	45.6	44.7	44.6	44.1	44.0	44.5	46.6	45.9	43.5	43.4	44.8	47.1	49.7	50.6	50.2	49.0	47.6	47.2	46.0	46.2	45.6	41.1	44.4	45.4	45.4	
9	44.6	44.4	44.7	44.0	44.0	44.6	44.6	43.5	42.7	42.7	44.6	47.0	49.1	49.4	48.6	47.3	46.6	46.0	45.7	46.0	45.7	45.6	41.2	41.6	41.6	
10	44.2	44.2	44.0	43.9	43.6	43.6	43.5	43.1	42.6	43.0	46.2	50.7	55.3	55.5	52.7	50.7	49.6	43.6	45.2	45.6	44.0	42.4	43.6	43.6	43.6	
11	44.5	44.0	43.3	43.7	45.2	43.2	43.1	43.4	43.6	44.7	46.4	48.6	49.5	50.6	49.6	48.6	47.7	47.1	46.9	46.5	46.5	45.7	45.1	45.1	45.1	
12	44.5	43.5	42.6	38.6	40.3	42.1	43.5	42.8	42.6	42.7	45.6	48.6	48.6	48.1	47.3	46.1	45.5	45.3	45.6	45.5	44.9	38.1	40.6	38.5	38.5	
13	39.6	41.1	39.5	36.4	39.5	42.5	42.1	42.6	42.9	44.1	45.9	47.6	49.9	50.2	48.8	47.6	47.4	46.9	46.4	46.1	45.9	45.7	44.0	45.6	45.6	
14	43.3	42.9	43.4	43.5	43.6	45.4	46.0	46.3	45.9	44.0	45.2	47.6	49.1	49.8	49.5	48.6	47.6	47.0	46.2	45.7	45.6	45.0	44.0	44.0	44.0	
15	44.4	43.7	44.5	43.6	43.6	44.1	44.1	42.7	42.2	42.4	44.3	46.6	48.8	49.9	49.5	49.5	47.7	47.0	46.4							



TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
8° + Tabular Quantities																										
May																										
1	43.7	42.1	42.4	42.4	42.7	41.8	40.8	40.6	40.6	42.0	44.1	46.2	47.7	47.4	46.3	45.6	45.1	44.9	45.3	44.7	44.8	43.7	43.7	43.7	43.7	43.7
2	43.6	43.2	43.0	42.7	42.7	42.2	40.8	40.3	40.9	42.7	46.1	48.8	49.8	49.2	48.3	46.7	46.2	46.3	45.7	45.6	44.8	43.8	43.6	42.6	42.6	42.6
3	43.2	44.6	43.6	41.6	40.7	41.2	40.8	41.6	42.1	43.6	45.6	47.4	48.6	48.6	47.7	48.0	47.6	48.0	47.8	47.6	46.1	45.6	45.2	44.1	44.1	44.1
4	43.7	43.6	43.1	43.1	42.6	42.8	42.7	42.7	43.1	43.9	46.5	49.6	51.1	50.3	49.0	47.0	45.6	45.6	45.4	44.6	42.7	43.5	41.6	43.6	43.6	43.6
5	42.0	42.6	42.6	42.8	41.1	41.2	41.3	42.2	41.2	42.6	44.9	47.4	49.3	51.5	51.6	49.6	47.9	46.5	46.0	46.1	46.3	46.2	45.3	45.0	45.0	45.0
6 **	41.4	38.9	40.1	41.2	40.5	39.1	39.6	39.6	38.8	41.5	44.8	50.5	52.7	53.5	53.1	49.6	48.1	46.0	46.3	44.5	45.1	41.9	42.0	34.6	34.6	34.6
7 **	35.7	37.6	35.4	39.1	40.2	44.7	41.6	39.2	39.6	41.2	44.8	48.8	51.7	52.0	51.6	48.7	48.2	47.2	46.1	40.1	42.8	43.7	43.8	38.7	38.7	38.7
8 **	36.1	43.7	43.6	42.7	42.2	42.9	40.7	40.7	39.7	41.7	44.7	48.7	51.3	49.9	50.7	51.8	49.2	47.7	44.4	40.5	42.7	38.8	39.2	43.5	43.5	43.5
9	43.6	42.4	43.2	43.7	42.7	42.7	41.6	40.2	39.8	42.1	45.8	48.7	49.7	49.7	49.1	47.7	47.6	46.2	43.7	45.3	45.1	44.6	43.6	41.7	41.7	41.7
10	43.7	42.4	43.9	44.7	43.7	42.7	41.7	40.7	40.2	41.2	44.3	47.1	48.6	48.7	48.5	47.4	46.6	45.8	45.7	44.7	43.7	41.9	42.1	43.2	43.2	43.2
11	43.1	43.2	43.3	43.4	42.7	41.1	40.7	39.8	39.9	40.7	42.6	45.2	46.9	47.4	47.8	47.7	47.0	46.4	44.7	44.6	44.6	43.7	43.4	42.6	42.6	42.6
12	42.8	42.7	42.8	42.3	42.5	42.5	40.0	38.6	38.7	39.8	43.0	46.4	48.7	49.7	50.3	49.6	48.9	48.4	46.6	44.7	42.7	42.0	41.4	40.7	40.7	40.7
13	42.1	40.8	40.2	41.6	41.7	41.0	40.8	41.8	41.7	42.9	45.8	49.6	52.2	52.8	51.6	50.1	49.7	49.1	48.1	48.0	46.2	44.7	42.5	43.7	43.7	43.7
14	44.6	43.4	42.2	42.2	42.9	44.3	44.4	44.0	41.9	42.9	45.9	48.7	50.2	50.6	50.5	48.3	47.2	46.6	45.0	44.8	43.8	44.7	43.8	43.8	43.8	43.8
15	43.8	43.8	44.5	45.2	43.3	42.3	42.5	41.3	40.1	40.3	42.6	45.1	47.1	47.9	48.2	47.5	46.9	46.3	45.1	45.0	45.7	45.6	45.5	45.5	45.5	45.5
16	45.2	40.2	39.8	46.8	43.9	42.5	40.5	39.7	39.9	41.8	45.0	47.1	49.1	49.6	49.2	48.3	47.1	45.4	44.2	44.5	44.8	44.7	44.5	44.6	44.6	44.6
17 *	43.8	44.0	44.0	43.6	42.8	41.5	40.5	39.1	39.3	40.0	42.8	45.6	47.6	48.5	47.9	47.5	47.1	46.1	45.8	45.3	45.2	45.2	45.0	44.4	44.4	44.4
18	43.7	43.1	43.8	43.7	43.5	41.6	39.8	38.3	38.2	40.1	43.5	46.0	47.7	48.1	47.6	46.6	45.8	45.8	45.5	45.2	45.5	45.5	45.1	44.8	44.8	44.8
19 *	44.4	44.4	43.7	43.1	42.0	40.8	40.0	39.8	41.1	43.9	46.9	49.8	51.0	50.5	48.7	46.6	45.5	45.3	45.5	45.4	44.8	45.1	45.4	45.1	44.8	44.8
20	44.5	44.0	43.9	44.5	43.4	41.9	40.4	39.6	40.8	42.8	44.3	45.9	48.3	49.2	49.2	47.9	46.6	44.8	44.8	44.8	45.0	44.9	44.8	44.8	44.8	44.8
21 *	44.2	44.2	43.9	43.5	42.5	41.4	40.8	40.2	40.8	42.7	45.2	48.3	49.9	50.7	49.8	48.3	46.4	44.8	44.7	44.6	44.8	44.9	44.8	44.8	44.8	44.8
22	44.3	44.2	43.9	43.4	42.5	42.9	38.4	38.4	39.4	41.2	43.4	46.6	48.2	48.8	48.8	48.8	47.8	46.8	45.8	45.4	45.6	45.2	44.8	44.5	44.5	44.5
23 *	44.5	44.6	43.8	43.3	42.7	41.4	39.9	39.0	39.8	41.9	44.2	46.9	48.9	49.4	48.8	47.9	47.4	46.6	46.3	45.9	45.7	44.9	44.4	43.9	43.9	43.9
24 *	43.8	43.5	43.2	43.3	42.6	41.8	40.9	40.7	40.2	40.8	43.1	47.0	49.8	50.8	50.8	49.8	48.8	47.6	47.0	46.2	45.4	44.8	44.4	43.7	43.7	43.7
25 **	43.7	43.8	43.8	43.4	42.5	41.8	40.8	39.3	38.8	39.7	42.6	45.5	47.4	48.7	50.8	53.1	53.9	54.3	52.5	46.8	40.7	34.7	30.8	28.0	28.0	28.0
26 **	34.2	32.2	40.9	40.8	38.9	39.2	39.2	38.3	38.7	43.2	43.9	46.3	48.4	48.0	47.8	47.6	46.8	46.6	45.8	44.5	44.3	44.3	43.8	44.4	44.4	44.4
27	42.5	41.9	42.7	42.8	41.0	39.9	38.8	38.8	38.2	39.8	42.5	45.8	50.1	51.7	51.8	50.9	50.1	50.0	46.6	42.1	42.8	40.3	42.6	42.3	42.3	42.3
28	40.1	39.9	43.8	41.1	40.9	41.8	42.6	42.7	42.2	42.7	44.3	45.8	47.4	49.3	47.8	46.8	47.3	45.8	45.4	43.9	45.1	45.7	44.3	42.7	42.7	42.7
29	43.8	42.8	41.8	40.8	41.3	40.1	39.6	38.8	38.6	40.8	43.8	46.2	48.7	48.7	48.3	46.8	44.8	44.1	44.3	44.7	45.1	44.4	43.3	43.8	43.8	43.8
30	43.6	43.2	43.2	42.7	41.6	40.1	39.3	39.3	40.7	42.3	44.7	46.9	48.4	48.5	48.0	47.0	45.4	44.3	45.3	45.0	44.8	44.7	44.0	43.9	43.9	43.9
31	43.5	41.7	42.9	40.9	39.8	38.0	38.0	39.4	40.3	42.3	45.0	47.5	49.5	50.5	50.7	49.6	47.7	46.1	44.7	45.2	44.9	44.6	45.1	42.6	42.6	42.6
Mean	42.7	42.3	42.7	42.8	42.1	41.6	40.6	40.2	40.2	41.8	44.4	47.3	49.2	49.7	49.4	48.3	47.4	46.6	45.8	44.8	44.6	43.8	43.3	42.7	42.7	42.7
Mean *	44.1	44.1	43.7	43.4	42.5	41.4	40.4	39.8	40.2	41.9	44.4	47.5	49.4	50.0	49.2	48.0	47.0	46.1	45.9	45.5	45.2	45.0	44.8	44.3	44.3	44.3
Mean **	38.2	39.2	40.8	41.4	40.9	41.5	40.4	39.4	39.1	41.5	44.2	48.0	50.3	50.4	50.8	50.2	49.2	48.4	47.0	43.3	43.1	40.7	39.9	37.8	37.8	37.8
8° + Tabular Quantities																										
June																										
1	42.8	42.6	41.8	40.5	38.1	37.1	37.6	38.4	39.4	42.3	45.2	47.3	49.1	50.3	51.2	50.6	48.5	43.7	45.7	46.1	45.7	45.3	44.5	44.0	44.0	44.0
2	45.3	43.6	42.7	42.1	40.7	39.1	38.8	39.7	41.1	42.7	45.3	47.6	50.0	50.6	49.2	47.8	46.5	45.3	44.4	44.4	44.3	44.9	44.9	44.8	44.8	44.8
3	44.1	44.1	44.3	43.9	41.4	38.7	38.0	39.4	40.4	42.4	44.7	47.6	50.0	50.6	49.7	48.7	47.9	46.8	46.3	44.8	42.7	44.7	44.2	44.1	44.1	44.1
4	43.7	43.1	42.7	42.2	41.5	39.6	38.7	41.3	41.5	43.4	45.6	48.7	51.1	50.3	49.4	47.7	46.7	45.6	44.7	44.3	41.3	42.7	43.6	43.3	43.3	43.3
5 *	42.7	42.1	42.0	41.9	40.9	39.7	38.6	37.5	38.4	40.8	43.2	45.7	47.8	48.6	49.7	48.8	47.7	46.7	45.7	43.6	43.7	43.5	44.0	43.7	43.7	43.7
6	43.8	43.4	42.9	42.2	40.8	39.3	37.8	37.8	38.6	40.7	43.7	46.8	49.6	49.6	48.9	47.6	46.2	46.5	45.7	44.8	44.2	43.2	43.8	40.7	38.4	38.4
7	38.8	38.8	39.1	41.8	38.8	37.3	37.8	38.7	40.4	42.1	45.8	48.1	49.8	50.0	48.8	48.0	46.5	45.7	44.8	44.7	44.5	44.5	44.2	42.6	42.6	42.6
8 **	39.9	40.7	40.3	44.9	44.1	40.0	37.0	35.9	38.5	41.0	43.8	48.5	50.5	52.5	52.3	54.6	51.0	45.7	45.8	45.8	45.7	45.2	42.2	43.8	43.8	43.8
9	43.6	43.5	43.1	43.2	41.7	39.8	39.2	39.8	40.0	42.7	45.6	47.5	48.6	50.1	50.1	49.9	49.2	48.1	47.3	46.0	44.8	41.5	43.8	44.0	44.0	44.0
10 *	42.6	42.1	41.9	41.8	40.6	38.9	38.3	38.5	38.6	40.1	41.8	44.6	46.8	47.8	47.5	47.0	45.8	45.1	45.1	45.1	44.8	44.2	43.8	43.8	43.8	43.8
11	43.0	42.8	42.4	42.2	41.8	41.0	40.3	39.6	39.9	41.5	43.2	46.8	48.4	49.4	49.2	47.9	47.9	47.8	45.8	44.8	44.8	44.6	42.2	43.7	43.7	43.7
12	42.6	42.8	42.1	41.7	43.7	45.9	44.2	42.2	41.2	41.0	42.7	44.2	46.3	46.6	46.2	45.7	45.3	44.7	44.0	43.6	43.5	43.8	44.3	43.8	43.8	43.8
13	43.4	44.1	43.8	43.1	42.3	40.8	40.7	40.7	41.0	41.7	43.9	46.6	48.5	49.2	46.8	46.1	46.0	45.8	45.2	44.8	44.8	44.8	43.8	43.2	43.2	43.2

MAGNETIC OBSERVATIONS, ABINGER, 1955.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
July																										
8° + Tabular Quantities																										
1	44.0	43.9	42.5	41.5	40.1	40.0	40.4	38.8	37.6	39.0	41.5	44.4	47.1	49.0	48.9	47.2	45.7	45.3	44.5	44.4	44.4	44.6	44.8	44.0		
2 **	43.7	43.5	42.6	39.8	37.6	37.1	37.0	38.4	39.0	40.2	43.0	45.2	48.8	51.8	52.0	51.0	48.0	47.9	46.7	43.1	35.2	36.7	41.0	42.0		
3	41.5	43.1	40.9	40.9	44.0	40.2	40.0	39.0	39.0	39.9	42.8	45.0	46.9	48.4	48.7	47.3	46.0	44.8	43.7	43.0	42.6	41.8	42.0	42.6		
4 *	42.5	42.4	42.0	42.4	41.5	40.1	38.5	38.0	38.3	39.5	41.6	44.8	47.1	49.0	49.8	48.4	46.8	45.4	44.0	43.5	42.8	42.3	42.6	42.7		
5 *	42.2	42.1	43.1	42.8	40.9	39.4	38.5	38.1	38.2	39.8	42.7	45.8	48.6	49.9	50.3	49.9	48.0	45.2	44.0	43.4	43.2	42.8	42.5	42.4		
6	42.0	41.4	41.3	41.6	41.1	39.9	40.1	39.7	40.9	42.8	45.0	47.6	49.1	50.1	51.1	51.6	50.2	49.1	48.3	47.6	47.1	46.0	43.6	42.9		
7	43.3	42.5	43.3	40.1	39.5	40.6	40.0	39.5	39.2	40.6	42.4	45.3	47.7	48.8	49.3	48.1	46.4	45.9	44.8	43.0	42.9	43.1	42.8	43.6		
8	42.9	42.9	43.0	43.1	42.7	40.5	38.8	38.0	38.7	40.7	42.2	45.1	47.6	49.0	48.7	48.1	47.5	44.7	45.0	43.9	41.5	44.1	44.1	43.5		
9	42.9	42.6	42.5	41.6	40.6	39.1	38.9	39.1	39.5	41.2	44.2	47.9	49.3	48.1	47.7	46.1	45.7	44.7	43.2	42.9	43.6	43.6	43.8	41.9		
10	41.7	42.1	42.7	43.0	42.6	41.4	39.6	38.7	39.1	41.1	44.1	46.7	47.4	48.0	49.7	49.1	48.1	46.7	45.0	44.9	45.3	45.0	42.8	42.7		
11 **	41.9	43.2	44.4	40.9	39.0	37.8	37.8	39.0	41.3	42.5	45.1	45.1	48.3	49.1	46.7	46.1	47.0	45.1	44.6	45.1	44.0	43.4	44.1	44.9		
12 **	46.3	42.1	40.4	40.1	39.6	39.0	38.7	41.0	43.3	44.5	45.6	45.4	46.1	46.3	46.1	46.1	44.6	43.5	44.3	44.6	43.7	44.8	44.2	39.0		
13	41.8	44.1	41.8	41.4	41.4	41.3	38.8	38.2	39.1	40.8	43.1	44.9	47.7	48.1	49.0	49.0	46.6	45.5	45.1	44.6	43.5	43.9	44.1	43.2		
14	42.8	42.1	42.1	41.1	40.0	40.0	40.5	39.6	39.7	41.2	43.2	45.0	45.8	47.1	47.3	46.3	46.3	45.1	44.1	44.3	44.6	44.1	44.0	43.2		
15 **	42.6	42.5	41.8	41.1	40.1	39.7	39.1	38.2	38.7	40.1	42.0	44.1	47.0	48.5	49.1	48.6	47.6	47.6	46.6	46.1	44.4	41.4	44.1	43.5		
16	44.3	46.6	43.0	42.3	41.3	38.8	38.1	38.1	38.9	39.5	41.7	45.6	47.6	48.1	47.3	46.8	46.6	46.1	45.5	44.6	43.1	41.1	43.4	43.2		
17	43.0	42.4	42.1	41.1	42.1	43.1	39.1	38.7	39.2	39.5	42.6	44.8	46.9	47.5	47.9	46.5	45.4	44.9	44.7	44.5	44.1	43.0	42.5	42.5		
18	42.5	42.1	41.8	42.0	40.9	42.6	41.1	40.8	40.6	41.0	42.5	46.6	49.3	49.5	48.0	46.1	44.1	43.0	42.2	42.3	43.7	44.1	44.5	44.0		
19 *	43.5	42.9	42.1	41.1	40.6	39.5	38.8	38.5	39.5	41.9	45.1	48.0	50.9	51.0	49.2	47.9	46.1	45.6	44.6	44.4	44.0	43.7	43.6	43.3		
20	43.0	42.9	43.1	42.2	41.3	40.6	39.8	39.8	39.7	41.7	44.9	47.2	48.0	47.1	47.3	46.1	44.4	43.7	43.1	43.1	42.0	42.2	43.1	42.5		
21 *	42.5	42.3	41.6	42.1	41.5	40.2	39.1	38.5	39.5	41.5	44.1	46.8	49.9	50.1	49.3	48.0	45.6	44.7	43.9	43.8	43.3	42.4	40.1	41.7		
22	42.4	41.9	42.2	42.1	41.1	40.5	38.9	38.8	39.0	40.5	44.1	46.7	49.0	49.6	49.9	48.8	47.1	44.7	43.6	43.3	43.8	43.7	43.1	39.7		
23	40.5	41.1	41.7	41.1	40.7	40.0	39.6	39.6	39.1	39.9	41.9	45.1	49.0	50.0	49.1	47.8	46.1	44.7	44.3	44.0	44.1	42.7	41.8	39.3		
24	39.1	41.0	40.7	41.1	38.2	38.3	37.6	38.1	38.7	39.6	41.8	44.4	46.3	48.1	48.5	47.7	46.9	45.1	43.8	43.8	43.6	43.9	43.3	42.5		
25	40.8	40.9	41.4	40.5	41.1	39.4	41.3	40.4	39.6	40.2	42.5	45.9	47.9	49.3	50.1	48.6	47.1	45.3	44.9	44.1	44.0	43.6	42.5	41.7		
26 **	40.1	41.9	40.3	40.4	39.4	40.0	38.5	38.6	38.4	39.9	42.5	45.1	48.5	49.5	49.7	48.2	48.0	46.5	45.1	45.3	40.5	41.6	41.4	42.6		
27	42.1	41.1	41.6	41.4	40.1	38.6	38.1	38.1	38.5	39.4	42.4	44.3	46.1	48.1	49.0	48.1	47.6	47.0	46.5	45.3	43.9	43.1	43.2	42.5		
28 *	42.0	41.8	41.2	42.1	41.3	40.6	39.9	38.1	37.7	38.6	39.8	41.8	45.3	48.1	48.8	47.8	46.1	44.4	44.3	44.1	43.9	43.4	42.9	41.6		
29	41.8	43.4	43.2	41.2	40.4	39.7	40.2	40.0	39.1	40.0	41.9	45.1	49.1	50.6	50.1	48.1	46.2	45.7	45.6	45.1	41.1	42.6	43.6	42.2		
30	42.8	42.1	42.0	41.5	40.1	38.2	38.0	39.1	38.6	38.6	41.7	45.1	49.1	50.1	49.7	48.1	46.8	44.7	44.0	43.1	43.9	43.5	41.8	41.9		
31	42.0	43.0	41.5	40.1	39.1	37.7	39.1	39.6	40.0	42.1	44.5	47.6	50.4	50.5	50.0	48.4	46.7	45.0	43.7	43.2	43.5	43.2	43.5	42.9		
Mean	42.4	42.5	42.1	41.4	40.6	39.8	39.2	39.0	39.3	40.6	43.0	45.6	48.0	49.0	49.0	47.9	46.6	45.4	44.6	44.1	43.3	43.1	43.1	42.5		
Mean *	42.5	42.3	42.0	42.1	41.2	40.0	39.0	38.2	38.6	40.3	42.7	45.4	48.4	49.6	49.5	48.4	46.5	45.1	44.2	43.8	43.4	42.9	42.3	42.3		
Mean **	42.9	42.6	41.9	40.5	39.1	38.7	38.2	39.0	40.1	41.4	43.6	45.0	47.7	49.0	48.7	48.0	47.0	46.1	45.5	44.8	41.6	41.6	43.0	42.4		
August																										
8° + Tabular Quantities																										
1 *	42.9	41.9	42.1	41.5	41.0	39.6	39.4	38.9	39.1	40.5	43.7	46.3	48.1	48.1	46.9	45.9	44.9	43.9	43.8	44.1	44.2	43.2	43.1	43.3		
2	42.8	43.1	45.2	41.5	40.1	38.4	38.8	38.4	38.5	39.1	41.8	44.3	46.8	47.3	48.4	47.3	45.9	44.8	44.4	44.1	44.1	41.0	40.1	40.5		
3	37.4	39.5	45.1	39.4	38.7	38.2	38.1	39.7	39.3	39.5	42.1	46.1	49.5	51.1	51.0	49.1	47.1	46.9	45.1	44.4	44.1	43.7	43.0	40.1		
4 **	39.6	37.7	38.7	39.2	42.1	44.8	40.1	37.4	38.4	40.1	43.9	49.6	50.9	52.9	55.1	50.8	47.7	45.6	37.5	42.4	44.6	42.0	38.5	40.2		
5 **	42.7	42.9	41.9	41.4	41.1	38.9	37.9	38.5	41.1	41.3	42.4	46.3	48.8	48.8	48.5	48.0	46.1	44.6	43.2	43.0	37.4	38.8	41.8	45.6		
6 **	41.1	39.9	39.9	42.3	43.8	42.9	43.8	45.9	43.1	43.4	43.2	45.1	49.9	51.5	53.0	51.3	49.0	44.7	44.4	43.3	41.9	39.4	36.6	36.2		
7 **	35.8	35.8	34.8	37.4	37.3	37.5	39.8	37.1	39.1	40.4	43.8	46.4	49.9	50.8	49.1	48.3	47.4	45.9	43.5	41.1	41.1	40.7	41.5	41.6		
8	41.1	41.1	42.5	41.8	41.1	40.4	40.1	39.1	38.1	40.0	43.2	45.3	47.3	48.4	46.9	46.3	45.7	42.7	41.5	42.4	43.1	43.1	43.1	43.0		
9	42.4	42.2	41.4	41.7	40.7	40.3	39.1	39.1	39.6	40.1	43.2	45.8	48.2	48.2	47.7	46.5	44.7	43.1	42.6	43.0	43.2	43.0	42.2	42.4		
10	42.7	42.8	43.1	44.3	41.3	40.1	39.2	39.1	39.9	41.1	44.0	46.1	49.1	49.2	47.1	44.6	43.6	42.7	42.8	43.4	43.6	43.7	42.2	43.7		
11 *	43.3	42.5	42.7	42.0	40.2	39.2	38.8	39.3	40.7	41.6	43.9	46.7	47.5	46.3	44.6	42.8	41.4	41.1	42.1	43.3	43.3	43.9	44.1	43.1		
12	43.3	42.5	41.4	40.1	39.3	38.1	37.9	38.8	40.1	41.9	43.4	45.1	46.7	47.1	46.1	45.1	44.6	44.1	44.3	43.8	42.8	43.2	43.5	42.9		
13	42.8	42.2	42.7	40.3	40.1	39.4	40.4	39.9	39.7	40.6	42.8	46.5	48.1	47.5	45.8	44.5	44.1	44.4	45.5	45.4	44.8	44.3	42.7	39.2		
14	38.1	39.8	38.7	38.1	38.4	38.8	40.2	40.1	40.1	42.7	46.1	46.7	47.1	47.9	47.8	46.9	45.3	45.0	44.1	44.2	40.7	41.0	43.1	42.2		
15	41.4	40.3	39.7	39.9	38.9	38.6	38.8	39.1	40.0	42.4	44.4	47.2	48.7	46.9	44.9	42.9	42.2	42.0	42.8	42.4	42.4	42.4	42.6	42.1		
16	41.8	41.9	41.7	41.2</																						

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U. T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>				
8° + Tabular Quantities																													
September																													
1	39.9	40.8	40.7	40.4	40.7	39.9	37.9	38.1	39.9	42.5	43.0	45.1	48.5	48.7	49.0	46.9	44.4	43.8	42.1	37.4	38.7	39.5	40.4	40.8	40.8	40.8	40.8	40.8	
2	39.9	41.4	44.8	42.9	37.8	40.4	39.9	40.0	40.9	42.8	47.6	50.0	50.3	48.9	47.4	45.9	43.3	41.9	41.8	41.4	40.9	41.2	41.5	39.4	39.4	39.4	39.4	39.4	39.4
3	39.7	41.4	45.5	40.9	38.5	38.9	38.8	38.6	38.4	42.3	48.9	51.8	48.9	47.8	47.1	45.0	42.9	41.9	41.9	41.4	38.9	39.8	41.0	41.4	41.4	41.4	41.4	41.4	41.4
4	38.5	39.7	39.9	41.8	40.9	37.9	37.8	37.7	38.2	41.9	47.0	48.4	49.8	48.9	49.1	47.1	43.8	41.8	42.2	43.0	41.8	36.8	39.4	38.5	38.5	38.5	38.5	38.5	38.5
5 **	38.9	43.6	41.2	39.7	39.2	40.9	43.6	43.8	40.9	41.0	44.5	47.4	48.3	46.6	47.5	43.9	42.1	40.9	41.7	40.3	42.0	41.9	41.4	39.6	39.6	39.6	39.6	39.6	39.6
6	39.9	40.9	40.6	42.9	43.5	41.3	39.8	39.3	40.2	42.7	44.1	45.8	46.7	45.9	45.5	43.9	42.7	42.6	41.2	36.8	39.3	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9
7	40.9	38.9	39.1	38.9	38.9	39.9	38.5	37.8	39.0	40.9	43.7	46.4	48.6	49.3	47.8	44.9	43.0	42.8	42.9	42.6	42.4	41.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0
8	41.1	40.9	41.5	41.6	40.9	40.4	39.9	38.9	38.9	39.6	42.8	46.3	49.5	49.9	48.9	45.9	43.9	43.5	43.8	43.2	42.9	42.6	41.7	39.6	39.6	39.6	39.6	39.6	39.6
9	40.0	43.5	41.6	40.4	38.9	38.9	38.4	37.9	37.8	38.9	41.9	45.4	46.9	46.9	46.1	44.6	42.2	41.8	42.6	42.6	42.8	42.2	42.2	40.2	40.2	40.2	40.2	40.2	40.2
10	40.2	40.6	41.3	40.7	40.3	40.9	40.3	40.7	41.9	43.0	45.8	46.6	46.6	45.7	44.2	43.0	42.7	42.9	42.5	42.4	42.0	41.9	41.3	41.2	41.2	41.2	41.2	41.2	41.2
11 *	40.9	40.8	39.2	38.9	38.6	38.8	39.4	38.7	38.4	39.2	41.7	44.1	46.6	46.9	46.2	45.1	43.8	42.9	43.0	42.9	42.9	42.7	42.6	40.5	40.5	40.5	40.5	40.5	40.5
12	38.1	39.6	40.0	38.4	40.7	40.2	41.5	44.9	40.4	40.1	43.0	45.5	48.2	47.9	45.9	42.9	39.7	39.9	41.6	42.3	42.3	42.1	42.2	38.2	38.2	38.2	38.2	38.2	38.2
13 **	37.2	40.7	38.8	42.9	39.9	38.0	39.1	39.4	39.6	41.6	43.2	45.6	46.4	47.4	45.7	45.6	41.5	40.9	41.6	40.9	40.0	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6
14	41.6	41.0	40.7	40.4	39.9	39.5	39.6	40.2	41.3	41.1	43.9	45.5	47.6	48.4	46.8	44.3	42.9	42.9	42.8	42.3	41.7	40.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4
15 *	42.5	41.5	40.7	40.3	41.0	41.1	40.1	39.6	39.2	40.6	42.6	45.3	46.3	46.6	45.6	44.4	43.8	43.1	41.7	38.9	40.7	41.0	41.5	41.9	41.9	41.9	41.9	41.9	41.9
16	41.9	40.7	39.4	40.9	40.8	39.7	40.6	39.5	39.3	40.4	42.4	46.1	48.8	49.4	48.5	46.6	43.9	43.2	42.9	42.2	41.8	41.0	39.2	37.6	37.6	37.6	37.6	37.6	37.6
17	38.2	40.3	41.9	40.7	44.2	44.1	43.1	44.0	41.5	42.7	43.7	47.3	48.0	47.4	46.4	45.4	43.7	42.5	42.0	40.8	39.7	38.8	37.6	39.4	39.4	39.4	39.4	39.4	39.4
18	40.9	41.5	42.1	41.2	38.8	39.0	39.7	39.2	39.5	40.7	43.4	45.8	48.2	47.6	47.2	46.1	43.9	42.8	41.9	40.9	41.1	41.4	41.8	41.7	41.7	41.7	41.7	41.7	41.7
19	41.9	41.1	41.7	41.5	40.7	39.8	39.2	38.1	37.8	38.9	42.6	45.0	47.5	48.5	47.7	45.6	43.1	42.6	42.6	41.8	41.0	40.9	41.5	40.3	40.3	40.3	40.3	40.3	40.3
20	36.2	39.5	40.9	42.6	41.0	40.5	39.9	39.6	40.1	42.9	43.7	45.9	47.7	47.7	46.7	45.1	43.9	43.7	43.1	42.5	41.5	42.2	39.9	40.3	40.3	40.3	40.3	40.3	40.3
21 *	41.0	40.8	40.9	41.5	40.9	40.9	39.9	38.7	38.0	39.1	41.4	44.3	46.3	47.1	46.0	44.3	43.5	43.7	43.0	42.7	42.1	41.4	41.9	41.8	41.8	41.8	41.8	41.8	41.8
22	43.2	38.5	37.3	35.3	38.6	40.0	39.9	38.9	38.4	39.4	41.6	44.2	46.2	46.9	46.6	44.8	43.7	43.6	43.7	43.6	43.6	42.5	41.7	41.3	41.3	41.3	41.3	41.3	41.3
23	41.2	40.7	40.2	40.6	40.5	40.1	41.0	40.5	39.5	42.6	44.9	44.9	46.5	47.0	45.9	44.8	43.4	43.3	42.7	38.4	38.2	38.8	41.9	38.9	38.9	38.9	38.9	38.9	38.9
24	40.8	38.2	38.9	39.7	39.9	39.9	38.9	38.0	37.9	39.4	42.4	45.7	46.8	46.8	46.0	44.7	43.5	42.5	39.9	42.9	43.3	42.9	42.0	41.8	41.8	41.8	41.8	41.8	41.8
25 *	40.9	41.7	40.9	40.7	40.3	40.4	40.1	39.7	39.3	39.9	41.4	43.8	45.3	45.9	45.6	44.8	43.9	42.7	43.0	42.9	42.9	41.7	41.5	41.3	41.3	41.3	41.3	41.3	41.3
26 *	40.6	40.7	40.9	40.4	40.1	40.3	39.9	39.1	38.9	39.0	41.2	44.1	45.0	44.9	44.9	44.5	44.3	43.9	43.8	43.3	42.9	42.9	42.0	41.0	41.0	41.0	41.0	41.0	41.0
27 **	40.5	41.0	40.8	38.8	37.3	38.8	38.9	39.0	37.8	39.8	43.7	46.1	47.6	48.2	47.3	46.8	41.2	39.8	37.0	39.8	36.8	40.6	40.3	40.8	40.8	40.8	40.8	40.8	40.8
28	39.8	41.6	40.4	40.7	43.2	41.4	45.8	43.7	42.7	40.9	42.8	43.1	44.8	46.0	45.4	44.4	43.4	42.2	36.7	32.3	38.2	39.4	39.4	38.6	38.6	38.6	38.6	38.6	38.6
29 **	37.4	38.8	41.2	38.6	39.7	39.8	39.8	39.8	38.8	38.4	39.8	41.5	43.8	44.9	47.3	47.7	46.6	43.8	41.1	41.7	39.2	35.8	35.7	34.5	34.5	34.5	34.5	34.5	34.5
30 **	34.0	40.8	39.7	40.3	41.7	51.8	59.0	48.8	42.6	40.8	41.3	43.8	46.3	44.8	43.9	43.2	39.3	38.7	34.5	31.7	30.7	31.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2
Mean	39.9	40.7	40.8	40.5	40.2	40.5	40.7	40.1	39.6	40.8	43.3	45.7	47.3	47.3	46.6	45.1	43.1	42.4	41.7	40.9	40.7	40.6	40.8	40.1	40.1	40.1	40.1	40.1	40.1
Mean *	41.2	41.1	40.5	40.4	40.2	40.3	39.9	39.2	38.8	39.6	41.7	44.3	45.9	46.3	45.7	44.6	43.9	43.3	42.9	42.1	42.3	41.9	41.9	41.3	41.3	41.3	41.3	41.3	41.3
Mean **	37.6	41.0	40.3	40.1	39.6	41.9	44.1	42.2	39.9	40.3	42.5	44.9	46.5	46.4	46.3	45.4	42.1	40.8	39.2	38.9	37.7	38.3	39.2	38.7	38.7	38.7	38.7	38.7	38.7
8° + Tabular Quantities																													
October																													
1	39.5	39.5	39.8	40.5	40.8	40.8	39.9	39.1	38.8	38.9	40.6	42.9	45.6	46.8	46.0	45.5	44.5	43.2	42.6	41.0	40.4	40.2	40.4	40.1	40.1	40.1	40.1	40.1	40.1
2	41.0	41.1	41.6	41.4	40.6	40.8	40.0	38.9	39.0	38.5	39.8	44.0	47.5	48.0	48.2	43.2	45.0	36.4	40.4	35.3	38.8	41.2	40.1	40.3	40.3	40.3	40.3	40.3	40.3
3	41.4	41.8	42.2	44.7	42.8	41.7	41.6	40.7	40.8	41.8	43.3	45.1	46.8	47.9	47.4	45.7	41.0	41.3	42.8	42.0	41.5	41.1	40.8	40.8	40.8	40.8	40.8	40.8	40.8
4	40.1	39.8	39.7	41.0	43.4	42.5	41.4	39.4	37.3	39.3	43.0	46.2	48.1	48.7	47.5	45.5	43.8	42.8	42.0	41.4	39.6	39.8	39.7	39.6	39.6	39.6	39.6	39.6	39.6
5 **	39.8	40.4	40.8	40.8	40.6	40.3	39.5	37.8	36.3	37.0	39.8	45.5	47.8	48.7	48.6	44.0	42.8	41.6	40.9	36.2	36.5	31.5	27.9	37.6	37.6	37.6	37.6	37.6	37.6
6 **	39.0	40.0	45.1	44.3	40.8	41.7	40.6	37.9	36.8	39.0	41.7	43.8	45.9	47.8	47.8	45.8	42.9	41.2	43.7	41.9	40.2	39.8	40.3	40.3	40.3	40.3	40.3	40.3	40.3
7	39.4	39.8	40.0	41.8	41.0	40.8	40.3	38.7	37.0	37.1	40.6	44.9	48.7	50.2	48.7	46.5	44.6	43.2	42.9	41.6	41.3	40.3	39.9	39.9	39.9	39.9	39.9	39.9	39.9
8	40.9	41.3	40.3	40.9	40.9	40.3	40.3	39.6	38.3	38.3	40.8	44.1	46.8	46.8	46.7	44.9	43.3	43.2	43.8	43.3	42.8	42.2	40.8	40.1	40.1	40.1	40.1	40.1	40.1
9	40.8	39.8	39.5	40.0	40.2	40.4	40.4	39.1	37.8	38.3	40.6	43.7	45.8	46.6	46.6	45.2	44.2	44.8	44.0	43.1	4								

MAGNETIC OBSERVATIONS, ABINGER, 1955.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
November																										
8° + Tabular Quantities																										
1	40.2	40.1	39.5	39.5	41.0	38.2	39.6	38.6	38.6	38.6	40.5	43.3	45.1	45.9	44.6	43.2	42.1	41.6	39.6	34.6	40.2	40.2	40.6	40.6	40.6	40.6
2	40.5	40.5	41.5	41.0	40.6	40.6	39.6	39.3	37.9	38.6	41.8	44.5	45.6	45.6	44.6	42.7	42.6	42.2	42.6	41.6	41.3	40.6	40.2	39.6	39.6	39.6
3 *	40.1	40.5	41.0	41.1	40.8	40.9	40.6	39.7	38.3	37.3	39.6	43.0	44.6	44.9	44.5	43.5	42.8	42.4	41.7	41.8	41.6	41.8	41.8	41.8	41.1	41.1
4 **	40.1	37.0	39.6	45.6	48.6	47.7	44.5	37.7	37.0	37.6	40.9	42.4	43.0	43.4	42.6	41.2	41.3	41.6	41.4	39.9	35.1	35.3	36.2	32.0	32.0	32.0
5	33.6	34.4	36.7	38.5	40.3	38.5	39.3	39.7	39.9	40.6	40.5	42.8	44.3	44.6	44.2	42.7	41.9	41.5	41.9	41.4	40.6	40.2	39.3	39.8	39.8	39.8
6 *	39.6	38.5	39.2	40.1	39.7	39.6	39.4	38.7	37.7	37.5	38.6	41.2	43.1	44.1	43.4	42.5	41.9	41.6	41.0	40.9	38.9	39.2	39.0	39.6	39.6	39.6
7 *	39.1	38.9	39.6	39.8	39.7	40.0	40.0	39.2	38.0	38.2	39.6	41.9	44.2	44.8	43.7	42.8	42.6	42.5	41.8	41.5	40.8	40.6	40.5	40.5	40.5	40.5
8	40.4	40.5	40.7	40.3	40.2	41.2	41.1	40.7	39.8	40.1	41.6	42.6	43.8	44.4	44.7	47.2	48.2	42.6	43.8	41.1	41.2	40.2	38.7	34.5	34.5	34.5
9	37.4	39.4	39.6	39.7	38.3	39.6	39.6	39.7	39.4	38.6	40.7	42.1	43.6	44.6	44.8	44.0	43.6	42.5	42.5	41.5	41.1	40.5	40.2	40.0	40.0	40.0
10	39.3	39.7	40.0	40.1	40.3	39.8	39.6	39.5	37.8	37.9	40.1	41.9	44.5	44.9	44.1	43.0	42.4	42.0	41.0	37.9	40.7	40.2	40.4	39.0	39.0	39.0
11	38.3	39.9	40.4	40.9	40.7	40.1	40.6	39.7	38.7	38.8	39.9	41.8	44.2	44.7	45.0	43.7	42.2	41.6	41.7	40.7	38.7	36.5	39.7	40.6	40.6	40.6
12	40.8	41.1	40.7	40.0	40.1	40.3	40.1	39.2	37.7	42.4	43.8	47.1	47.2	45.2	44.7	43.7	44.7	43.3	35.8	41.2	40.1	39.7	39.8	40.0	40.0	40.0
13	40.8	40.4	39.7	39.8	37.8	38.7	39.2	38.8	38.0	38.2	39.8	42.6	45.4	45.6	44.5	43.2	42.2	41.8	40.8	40.7	40.5	40.3	40.2	40.1	40.1	40.1
14	39.9	40.3	40.7	40.8	40.5	40.2	40.1	39.7	38.5	38.5	39.9	42.4	45.3	45.0	44.8	43.0	42.7	43.2	42.5	42.3	38.5	40.1	40.1	40.2	40.2	40.2
15	41.2	40.9	41.0	40.9	41.5	41.7	40.9	40.6	39.8	40.8	42.2	45.1	46.6	47.5	46.2	45.5	42.3	39.7	40.8	32.8	35.6	35.8	37.8	37.8	37.7	37.7
16 **	35.5	37.4	41.8	38.4	40.3	42.0	46.8	44.2	41.9	39.8	40.8	43.3	44.8	46.9	48.0	45.4	44.1	42.8	39.5	34.1	34.2	35.8	32.3	37.7	37.7	37.7
17	38.5	38.9	39.6	39.1	45.1	40.1	40.0	39.7	38.9	38.7	40.1	42.0	43.6	44.3	44.1	43.3	42.0	41.1	40.7	40.3	39.8	38.8	39.5	39.6	39.6	39.6
18 **	39.9	39.7	39.6	39.6	39.8	39.1	42.8	42.0	40.5	39.8	41.6	43.9	46.0	46.3	44.8	45.6	46.4	33.4	36.4	29.2	35.4	36.6	37.0	38.9	38.9	38.9
19 **	40.7	40.9	38.8	39.3	39.3	39.3	39.1	38.9	38.5	38.9	41.1	42.4	47.5	52.6	58.0	51.8	43.9	39.6	39.3	37.8	39.1	37.8	37.5	30.1	30.1	30.1
20 **	35.1	38.9	32.2	34.1	38.7	38.3	39.8	39.8	42.8	42.9	41.2	43.0	43.7	44.3	45.0	43.3	39.6	33.0	34.2	31.4	30.5	32.5	36.5	32.3	32.3	32.3
21	34.3	39.1	42.4	42.5	42.0	40.8	40.4	39.9	39.4	39.6	39.9	41.0	42.1	42.6	42.0	41.6	40.9	40.3	39.9	39.9	39.7	39.7	39.8	39.6	39.6	39.6
22 *	39.5	39.4	39.5	39.7	39.8	39.8	39.8	39.3	38.1	38.3	39.8	42.1	43.0	44.3	43.2	41.7	40.8	40.0	39.8	39.7	39.5	39.4	39.6	39.7	39.7	39.7
23 *	39.5	39.5	39.5	39.8	39.9	40.3	39.8	39.5	38.9	38.2	39.3	41.6	42.6	43.2	42.8	42.1	41.6	40.8	40.6	40.7	40.7	37.6	38.3	38.8	38.8	38.8
24	40.2	40.2	39.8	39.7	40.0	40.3	40.1	40.5	39.5	39.8	41.0	42.0	44.8	44.7	45.0	45.3	44.9	43.2	41.8	40.6	39.0	38.8	38.6	38.1	38.1	38.1
25	39.8	42.1	38.8	38.6	39.3	39.4	39.7	39.4	39.7	40.0	41.1	43.6	44.8	44.2	43.9	44.1	38.8	41.3	40.6	39.9	39.8	39.5	39.5	40.0	40.0	40.0
26	39.7	41.3	39.8	39.3	39.1	39.6	39.8	39.6	38.7	38.6	39.7	42.0	43.4	43.7	42.7	42.3	41.8	41.0	40.7	40.5	39.8	39.2	38.8	39.8	39.8	39.8
27	39.8	40.4	40.7	40.7	40.4	40.0	39.7	39.8	39.1	38.8	40.8	42.8	43.9	44.2	44.0	42.7	42.0	41.1	40.6	40.2	40.1	39.3	39.4	40.1	40.1	40.1
28	39.8	40.6	40.8	40.7	40.7	40.5	39.8	39.4	38.9	39.5	41.6	44.4	45.8	45.6	44.3	43.0	41.6	41.3	40.8	40.8	40.3	37.7	34.5	35.8	35.8	35.8
29	38.7	39.7	38.8	39.8	40.5	39.8	39.8	39.8	39.8	39.8	40.5	42.2	42.9	43.0	42.8	42.2	41.6	40.8	40.0	39.9	36.7	38.2	39.4	40.7	40.7	40.7
30	40.6	40.5	40.7	41.3	41.2	39.8	39.8	39.7	39.3	39.2	40.3	41.8	43.2	43.8	43.5	42.7	42.4	41.6	39.8	40.5	40.0	39.9	40.0	40.2	40.2	40.2
Mean	39.1	39.7	39.8	40.0	40.5	40.2	40.4	39.7	39.0	39.2	40.6	42.8	44.4	45.0	44.7	43.6	42.5	41.0	40.5	39.2	39.0	38.7	38.8	38.6	38.6	38.6
Mean *	39.6	39.4	39.8	40.1	40.0	40.1	39.9	39.3	38.2	37.9	39.4	42.0	43.5	44.3	43.5	42.5	41.9	41.5	41.0	40.9	40.3	39.7	39.8	39.9	39.9	39.9
Mean **	38.3	38.8	38.4	39.4	41.3	41.3	42.6	40.5	40.1	39.8	41.1	43.0	45.0	46.7	47.7	45.5	43.1	38.1	38.2	34.5	34.9	35.6	35.9	34.2	34.2	34.2
December																										
8° + Tabular Quantities																										
1 **	40.6	42.5	40.9	41.2	41.0	40.5	40.0	39.7	39.7	40.2	41.9	44.5	45.7	45.8	44.3	45.6	44.7	43.7	43.8	42.5	36.7	31.6	32.4	29.2	29.2	29.2
2	28.7	29.6	29.7	30.7	34.5	37.8	41.5	43.4	43.7	42.7	43.0	42.2	44.0	43.5	42.8	41.8	41.1	40.7	40.0	39.8	39.6	39.4	38.9	39.4	39.4	39.4
3	39.4	39.6	39.9	40.3	40.1	40.0	40.1	40.0	39.7	39.4	40.9	43.4	44.4	45.5	44.6	43.8	43.8	41.8	41.3	41.4	37.3	38.5	39.8	39.6	39.6	39.6
4	40.1	37.6	40.6	40.6	40.3	40.2	39.8	39.6	39.5	39.2	40.2	42.1	42.4	42.6	41.9	42.1	41.6	40.7	40.5	40.6	39.9	39.6	39.2	39.5	39.5	39.5
5	39.6	39.6	40.3	40.7	40.6	40.4	40.4	39.9	40.0	40.3	41.0	42.4	43.6	43.7	43.5	42.7	42.7	41.9	40.6	41.4	41.3	40.2	37.6	32.3	32.3	32.3
6 **	34.8	35.7	35.4	37.3	35.7	36.6	36.4	38.4	38.3	38.5	40.2	40.8	42.5	42.4	42.5	41.5	40.9	40.6	40.4	40.1	39.5	32.2	34.0	34.8	34.8	34.8
7	35.7	38.0	37.1	36.5	38.4	37.4	38.1	38.4	38.6	40.1	41.3	42.5	42.7	42.3	41.6	41.5	40.7	40.5	40.4	39.8	39.7	39.5	39.4	39.4	39.4	39.4
8	39.7	39.5	39.5	39.6	40.1	38.5	39.1	38.8	38.6	38.5	39.9	40.5	42.0	42.7	42.9	43.2	40.8	41.4	40.8	40.2	35.2	36.0	38.5	39.3	39.3	39.3
9	38.9	41.3	38.4	38.9	39.8	39.9	40.5	42.3	41.2	39.5	40.0	41.0	43.1	43.2	43.5	42.1	40.5	41.2	41.1	40.6	39.6	39.5	39.3	39.0	39.0	39.0
10	39.0	39.7	39.3	39.5	39.2	39.6	39.8	39.7	39.6	38.7	39.2	41.2	42.7	43.8	42.2	41.6	41.6	42.4	40.6	40.2	40.2	39.6	39.5	39.6	39.6	39.6
11	39.6	39.6	39.6	39.6	39.6	39.3	39.0	39.3	38.7	38.5	39.1	41.2	43.0	43.9	43.5	42.6	41.5	41.6	41.1	40.3	40.0	39.4	38.2	37.5	37.5	37.5
12	39.1	39.6	39.7	40.1	39.7	39.6	39.7	39.6	39.4	38.6	39.4	40.6	42.0	43.2	43.4	43.1	42.4	43.0	42.5	40.0	41.0	39.2	38.4	39.5	39.5	39.5
13 *	39.8	40.2	40.5	40.2	40.2	39.8	39.7	39.6	39.4	38.6	39.5	40.7	42.1	43.1	43.0	42.6	41.6	41.6	41.5	41.0	40.1	39.6	40.0	40.0	40.0	40.0
14 *	39.9	40.2	40.5	40.6	40.6	40.5	40.5	40.5	40.2	39.6	39.7	41.5	43.1	43.7	42.8	42.5	41.7	41.5	41.2	40.6	40.3	40.0	40.1	39.8	39.8	39.8
15	39.6	38.6	39.1	40.0	40.2																					

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

U.T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
January																										
18000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1	731	730	728	729	732	738	743	744	741	737	737	733	737	742	741	737	733	735	736	735	735	728	721	716		
2	713	721	724	728	731	733	733	735	737	741	741	742	746	752	752	747	738	736	738	739	738	735	725	726		
3	726	728	729	730	734	734	733	733	736	728	721	722	729	739	737	741	742	740	739	739	740	739	739	734		
4	735	733	711	722	735	739	743	741	738	726	723	725	739	731	732	735	731	725	732	730	725	734	730	730		
5	726	728	731	730	731	732	735	734	731	726	724	724	729	736	740	743	741	738	740	740	737	748	734	724		
6	724	722	722	725	729	732	733	738	736	733	730	733	736	739	740	738	730	729	727	720	730	732	735	731		
7	729	732	740	729	729	732	737	736	731	728	733	733	734	736	730	729	728	728	715	715	723	725	730	731		
8	733	729	729	727	729	731	733	730	730	731	729	726	729	731	731	732	732	733	728	728	726	730	736	725		
9 **	739	723	725	727	730	727	734	742	745	730	723	716	717	727	725	684	717	701	714	717	727	727	728	727		
10 *	727	727	727	728	729	733	736	738	739	737	730	732	732	734	733	728	725	728	732	730	733	733	733	733		
11	731	732	732	731	733	737	737	734	735	735	733	736	725	694	703	734	737	738	737	732	731	727	723	699		
12	696	703	718	724	726	727	732	735	736	735	734	734	733	735	736	736	737	739	738	740	738	734	733	730		
13	730	733	730	730	738	739	740	741	742	748	733	717	719	726	720	718	724	729	729	727	727	726	728	727		
14	728	729	731	730	734	738	742	741	741	743	744	747	746	738	726	721	714	714	721	732	733	732	729	729		
15 *	727	726	729	733	734	735	735	736	737	736	731	728	730	731	730	729	731	733	735	735	735	735	735	735		
16	730	729	729	730	732	733	735	737	738	732	742	749	752	749	743	734	734	733	732	727	731	735	729	731		
17 **	728	728	728	733	735	737	736	737	749	755	755	742	732	738	644	679	702	711	714	732	724	726	741	713		
18 **	695	650	699	699	678	688	696	691	688	689	687	692	702	706	707	692	694	703	705	705	733	704	700	722		
19 **	734	705	709	705	708	682	700	673	652	640	656	668	658	673	668	685	698	708	695	713	694	698	713	697		
20 **	709	713	689	697	700	704	709	711	714	713	710	709	713	711	707	705	721	722	718	708	708	725	717	724		
21	732	708	708	714	718	728	731	731	727	725	721	721	721	722	722	722	722	720	712	713	725	724	719	725		
22	724	715	716	719	722	722	729	735	739	736	731	732	732	729	729	724	725	725	727	726	729	733	733	725		
23	724	746	728	721	726	734	735	739	745	736	729	725	721	706	719	723	720	715	717	701	719	724	717	718		
24 *	720	721	724	725	727	731	729	730	731	733	733	732	728	726	725	725	726	727	726	724	725	723	722	724		
25 *	730	727	727	728	729	733	735	735	736	735	728	725	726	727	732	733	732	731	722	720	724	726	727	728		
26 *	727	727	725	728	732	733	735	736	737	734	728	729	733	735	735	735	735	735	734	735	736	736	735	733		
27	731	733	734	735	735	738	739	739	741	750	740	743	750	753	756	752	746	729	706	703	700	689	712	713		
28	723	727	723	720	720	727	731	727	722	722	723	725	730	735	734	725	730	732	734	730	726	725	729	736		
29	729	729	730	731	732	731	734	736	737	736	727	725	728	730	731	731	730	731	731	728	726	728	720	709		
30	721	721	725	727	730	734	734	735	732	728	729	729	731	734	742	741	733	728	729	724	725	738	727	727		
31	729	735	729	732	732	731	734	736	733	737	736	735	735	737	738	737	736	736	736	736	733	732	740	740		
Mean	725	723	724	725	727	729	732	732	731	730	727	727	728	729	726	726	727	727	726	725	727	727	727	724		
Mean *	726	726	726	728	730	733	734	735	736	735	730	729	730	731	731	730	730	731	730	729	731	731	730	730		
Mean **	721	704	710	712	710	708	715	711	710	705	706	705	704	711	690	689	706	709	709	715	717	716	720	717		
February																										
18000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1 *	736	735	734	735	737	738	738	742	745	743	737	737	737	740	745	745	743	738	738	735	735	733	729	734		
2 *	728	727	728	729	732	737	743	747	744	744	741	737	730	727	724	717	717	718	729	733	728	718	725	728		
3	737	733	723	731	740	740	741	744	742	745	746	742	738	739	737	733	726	727	727	727	726	730	734	734		
4 **	733	728	726	732	736	736	745	752	758	756	729	724	731	735	734	726	718	716	723	716	709	705	710	720		
5 **	718	732	717	716	723	725	728	737	740	743	738	728	709	720	721	714	715	718	705	708	722	738	754	714		
6	724	726	726	728	728	736	736	734	734	733	738	736	736	738	726	703	708	728	731	734	720	719	715	721		
7	736	729	721	717	727	739	731	734	739	744	737	731	729	719	700	717	723	725	725	721	726	728	729	731		
8	736	729	728	727	729	733	736	736	738	738	734	736	734	737	737	727	708	716	712	719	725	754	746	725		
9	727	728	730	729	732	727	729	737	739	743	739	727	735	737	735	734	736	730	707	708	718	725	729			
10 *	729	727	723	723	725	726	727	726	733	729	729	729	730	733	737	737	732	732	731	731	733	735	736	734		
11	733	731	731	732	736	737	735	735	735	737	731	732	735	743	743	731	717	716	698	678	702	677	710	712		
12	726	716	717	714	722	724	728	728	729	725	722	721	727	730	732	733	729	722	716	711	721	747	736	719		
13	721	735	732	727	727	727	727	732	733	724	725	727	734	738	738	719	718	725	727	731	737	734	732	730		
14	728	728	730	728	727	734	738	741	739	728	728	730	736	727	733	734	728	715	729	735	729	719	724	727		
15	733	715	713	718	726	742	737	737	727	722	727	727	731	734	729	729	730	734	735	736	735	735	735	733		
16	730	730	729	730	734	736	738	742	745	742	737	739	741	740	728	727	728	734	724	729	727	727	731	730		
17	735	719	727	734	729	732	735	736	736	738	738	736	729	737	736	733	731	734	735	734	733	737	735	743		
18	736	734	730	734	742	740	744	743	738	736	734	729	734	738	744	737	736	736	735	716	704	714	717	733		
19 *	726	728	725	725	727	731	736	746	746	745	741	739	740	747	746	741	739	737	736	736	736	736	741	741		
20 **	740	737	740	746	745	740	743	746	747	748	746	746	751	747	736	726	728	730	726	732	736	738	736	736		
21	749	740	729	727	726	755	746	751	740	744	742	738	729	721	721	713	719	727	731	733	733	740	737	737		
22 **	742	727	726	722	743	748	735	738																		

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

U. T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
March																										
18000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1 *	725	724	728	733	732	733	735	735	734	729	729	732	729	727	728	732	728	728	726	729	727	729	729	729	730	
2 *	731	737	733	733	734	737	738	739	743	743	736	734	734	737	739	737	732	733	737	739	743	738	738	737		
3 *	736	736	735	735	738	741	747	747	746	743	738	736	738	739	740	737	735	737	740	741	742	742	741	739		
4 *	737	735	735	736	738	742	745	742	736	732	726	730	735	740	743	745	743	746	750	747	731	726	732	742		
5	737	732	725	726	733	740	739	740	740	737	740	737	739	733	731	729	720	730	726	732	735	732	718	716		
6	724	720	750	722	726	729	726	731	736	734	728	735	736	737	735	725	726	728	734	733	719	717	727	727		
7 **	735	738	722	733	727	743	735	743	741	727	735	730	730	735	742	736	719	721	725	714	761	703	715	715		
8	718	733	725	724	726	733	726	725	732	725	719	717	721	723	718	725	729	713	733	724	723	733	743	734		
9 **	744	728	727	726	733	733	727	735	733	726	712	715	714	718	717	710	725	711	726	689	678	697	721	722		
10	718	717	719	720	721	726	730	715	718	720	728	715	706	729	716	724	727	731	703	712	734	712	727	725		
11	721	729	719	717	723	732	715	734	726	728	729	731	703	722	727	725	709	728	729	730	735	737	736	734		
12	732	731	727	739	738	730	736	725	735	731	728	721	714	717	729	730	710	716	714	715	730	737	727	728		
13	727	728	729	730	727	727	723	728	732	728	724	724	727	732	729	721	723	724	725	721	732	723	723	725		
14	743	737	724	726	725	733	735	736	733	726	721	715	718	726	728	723	727	723	737	727	717	718	726	733		
15	737	737	729	733	743	739	736	722	730	721	726	723	725	716	719	726	728	736	737	725	715	713	735	733		
16	724	725	728	712	723	728	731	727	725	727	724	725	732	737	737	736	727	723	726	734	725	734	716	712		
17	719	727	725	730	734	740	731	728	748	745	732	724	727	726	714	715	726	727	739	742	742	744	737	736		
18	745	741	737	738	740	746	743	741	737	736	735	733	720	725	725	726	723	716	715	714	733	725	730	728		
19	733	737	731	726	726	727	728	734	732	736	737	740	737	735	732	733	733	732	731	730	734	740	736	736		
20	735	736	732	730	733	735	738	735	735	737	742	744	740	740	737	739	735	736	737	740	742	744	741	756		
21	741	725	731	735	735	735	737	741	740	740	743	745	743	745	743	737	736	743	745	748	743	744	746	745		
22 **	739	739	743	737	735	738	740	737	739	747	737	724	696	699	693	687	690	669	675	706	715	719	728	727		
23	724	725	726	727	731	734	735	727	726	725	721	720	727	736	726	735	738	710	713	703	708	733	716	719		
24	724	736	730	723	709	716	716	715	705	706	718	723	718	726	725	726	729	728	729	735	736	735	733	736		
25	734	732	729	727	728	733	733	734	727	723	712	716	725	727	726	735	721	725	721	729	735	729	737	737		
26	738	734	735	735	739	738	739	730	728	731	735	725	721	712	712	718	733	739	743	745	746	749	747	743		
27	736	736	735	739	739	739	740	741	734	731	720	705	721	727	729	736	731	736	736	738	742	742	740	745		
28	737	735	732	732	734	736	737	736	725	722	723	724	726	733	735	741	740	742	743	745	744	744	736	744		
29 *	735	733	733	736	741	745	743	744	737	729	723	727	730	734	733	735	737	738	742	744	744	743	743	743		
30 **	738	739	742	739	743	743	745	745	742	743	746	753	747	749	743	739	744	741	744	723	744	779	738	727		
31 **	732	733	745	736	715	725	716	673	708	695	696	687	708	705	710	709	711	715	728	754	726	746	745	725		
Mean	732	732	731	730	731	735	734	732	732	730	728	726	725	729	728	728	727	727	729	729	732	732	732	732		
Mean *	733	733	733	735	737	740	742	741	739	735	730	732	733	735	737	737	735	736	739	740	737	736	737	738		
Mean **	738	735	736	734	731	736	733	727	733	728	725	722	719	721	721	716	718	711	720	717	725	729	729	723		
April																										
18000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1	725	724	715	723	721	720	721	715	718	716	709	707	723	729	731	730	728	729	734	735	741	767	735	712		
2	733	723	717	723	726	727	734	727	726	721	717	726	728	717	725	721	715	709	702	713	726	737	745	732		
3	732	730	726	723	724	724	721	732	729	725	707	725	729	727	713	713	713	724	724	725	734	738	738	736		
4	734	734	734	734	734	732	729	734	733	724	713	723	727	726	731	732	737	735	712	724	732	741	746	768		
5 **	726	723	734	729	732	735	721	732	730	718	722	730	734	724	715	735	729	730	734	755	744	735	737	738		
6	746	736	743	735	727	725	733	725	723	722	718	704	722	727	731	723	734	736	741	742	745	754	747	734		
7 **	743	733	724	735	738	734	732	714	714	714	693	710	724	728	731	728	727	738	742	755	740	735	737	744		
8	744	734	734	734	738	734	733	744	732	724	721	717	720	722	728	728	738	733	730	739	740	738	738	741		
9	740	739	742	739	736	734	737	733	729	725	724	729	734	738	741	743	743	743	742	744	748	747	756	739		
10	736	736	738	739	741	743	744	744	742	738	726	718	715	710	732	729	728	724	740	736	733	733	734	740		
11	740	734	735	731	734	736	731	739	737	738	729	732	734	735	733	738	736	738	737	740	744	744	740	741		
12	740	743	748	742	736	744	746	739	734	720	718	719	716	735	735	735	737	737	747	736	731	714	718	724		
13	731	730	739	737	732	743	744	738	735	734	726	728	733	729	736	743	746	745	748	754	747	746	746	762		
14	743	733	734	736	743	746	746	746	738	730	723	722	721	725	724	735	739	742	742	745	745	745	745	741		
15	741	743	746	746	745	749	751	753	749	740	735	731	736	742	739	739	733	738	751	752	753	752	749	749		
16 *	746	741	743	741	746	750	752	750	750	746	741	738	742	739	740	746	749	752	757	756	748	750	750	746		
17 *	747	746	747	746	748	749	745	745	741	733	726	723	723	734	736	739	741	749	755	759	756	749	749	747		
18 *	746	745	744	743	744	743	743	744	745	738	737	738	743	741	737	745	747	746	748	753	753	749	749	749		
19 *	750	748	742	739	741	745	746	747	748	743	743	746	746	744	745	754	756	756	756	755	757	758	765	764		
20	761	759	756	755	753	744	735	740	735	733	733	739	737	737	732	736	730	744	740	740	742	746	746	745		
21	743	744	736	739	739	743	749	744	737	728	731	734	730	727	721	740	749	751	741	746	745	750	754	752		
22	746	747	746	745	742	749	739	735	735	728	722	719	722	726	736	742	746	748	747	752	755	754	753	747		
23 *	745	744	744	744	745	745	745	74																		



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

U.T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
May																										
18000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1	734	731	724	725	721	725	725	722	719	719	718	721	725	729	730	728	733	738	742	739	745	737	737	737	737	737
2	737	734	732	730	731	732	731	729	725	728	733	735	740	735	734	723	733	740	744	750	746	742	744	744	747	747
3	742	739	739	736	735	734	734	732	727	736	744	745	744	743	740	753	743	745	739	745	750	754	754	754	751	751
4	745	745	742	736	735	732	728	727	725	724	729	744	759	752	746	732	733	743	746	742	733	737	731	739	739	739
5	736	732	734	740	744	739	739	744	739	732	722	723	732	750	750	739	735	750	761	761	766	772	769	769	769	769
6 **	750	745	738	743	745	737	735	739	736	717	695	708	684	684	677	716	730	742	763	747	748	741	734	748	748	748
7 **	734	765	718	724	708	716	723	717	698	679	710	718	720	721	724	729	738	743	748	754	751	740	744	744	741	741
8 **	739	725	741	754	724	728	713	716	696	697	709	720	698	718	740	748	722	755	740	748	736	724	720	748	748	748
9	730	730	729	731	730	724	726	716	714	708	710	718	725	730	741	738	756	753	753	745	743	743	743	744	744	744
10	747	734	736	728	736	736	726	721	719	720	714	704	724	729	730	734	741	752	746	754	738	742	730	734	734	734
11	734	737	736	737	739	739	734	726	723	718	712	714	716	716	727	734	744	751	748	749	752	749	744	746	746	746
12	740	738	739	738	734	734	728	721	716	720	724	721	723	725	735	742	742	752	747	745	745	756	753	737	737	737
13	736	746	734	736	741	742	734	726	723	719	730	744	745	745	747	756	765	755	754	755	765	761	757	753	753	753
14	756	754	744	744	747	744	743	743	731	726	705	699	719	723	734	730	749	752	744	749	748	745	746	744	744	744
15	742	738	738	735	737	734	735	736	734	728	723	719	716	716	730	737	745	749	746	753	756	761	766	770	770	770
16	783	777	767	740	742	744	744	739	727	723	715	711	709	714	728	734	740	744	746	746	745	745	744	743	743	743
17 *	744	742	741	735	736	736	733	725	722	721	719	717	723	726	735	743	753	756	754	753	753	754	756	756	759	759
18	758	750	746	744	746	745	741	734	730	729	729	731	734	736	736	745	746	753	751	753	757	762	758	757	757	
19 *	753	752	750	748	747	743	734	729	725	724	729	735	742	744	744	744	747	753	754	754	754	754	754	754	754	754
20	752	750	746	748	751	753	755	749	744	739	743	738	744	743	748	743	750	757	762	758	754	755	755	755	754	754
21 *	748	748	749	750	753	754	749	740	733	732	734	740	744	751	749	748	751	754	757	754	754	754	754	754	751	751
22	751	751	752	750	753	750	749	744	734	730	731	735	740	745	746	746	751	754	755	759	754	752	755	754	754	754
23 *	754	755	755	754	754	750	744	737	735	742	744	745	745	744	743	760	762	763	764	764	764	762	757	757	757	757
24 *	754	754	754	755	755	754	746	742	736	737	734	743	742	743	747	746	753	751	756	759	757	755	755	754	754	754
25 **	753	751	752	754	756	757	753	745	735	725	731	730	729	734	758	780	796	804	816	765	754	738	699	702	702	702
26 **	722	714	723	725	728	698	681	680	663	652	685	701	707	706	697	694	718	734	736	735	730	730	731	730	730	730
27	731	723	723	730	734	734	729	725	719	710	707	713	724	717	741	770	744	747	762	761	746	735	736	726	726	726
28	731	722	726	730	725	716	706	726	715	707	707	699	704	719	725	739	738	733	740	744	740	740	740	751	751	751
29	738	734	730	730	728	724	721	716	709	706	710	715	726	728	728	730	725	742	740	741	744	745	739	736	736	736
30	731	733	732	731	730	726	721	717	715	720	732	734	733	733	735	735	734	747	756	754	746	744	747	745	745	745
31	750	744	744	742	742	734	726	724	722	721	724	731	736	742	743	736	745	746	753	752	751	750	752	755	755	755
Mean	744	742	739	739	738	736	732	729	722	719	721	724	727	730	735	740	744	750	752	751	749	748	745	746	746	746
Mean *	751	750	750	748	749	747	741	735	730	731	732	736	739	742	744	748	753	755	757	757	756	756	755	755	755	755
Mean **	740	740	734	740	732	727	721	719	706	694	706	715	708	713	719	733	741	756	761	750	744	735	726	734	734	734
June																										
18000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1	749	746	742	751	751	745	740	736	726	719	718	725	727	740	746	762	759	756	753	757	756	755	753	750	750	750
2	749	745	744	746	744	742	733	725	715	722	731	730	728	732	745	752	746	747	746	746	746	752	752	752	752	752
3	746	748	748	749	746	744	737	734	726	726	732	737	740	740	747	749	752	762	748	760	750	755	752	753	753	753
4	752	751	751	749	752	748	731	731	728	722	724	728	732	734	737	734	748	758	754	755	753	745	744	744	744	744
5 *	746	740	740	741	743	738	732	730	723	719	722	728	727	732	741	742	751	761	757	753	752	749	750	750	750	750
6	747	746	746	746	746	751	745	736	732	731	724	722	722	727	741	746	752	768	772	771	753	743	743	745	745	745
7	738	735	756	762	751	745	736	728	721	716	720	727	737	744	743	746	750	755	751	753	755	755	757	772	772	772
8 **	759	755	763	751	769	758	747	741	724	716	711	708	707	730	721	714	744	753	753	754	753	744	764	738	738	738
9	736	738	739	743	743	737	724	722	710	708	709	712	717	722	730	742	753	762	767	764	756	746	752	752	752	752
10 *	746	746	748	751	751	746	741	733	725	719	715	713	720	726	735	747	744	743	745	746	748	746	745	745	745	745
11	745	745	744	745	745	742	736	733	729	734	737	731	729	739	739	745	755	769	754	755	755	759	773	762	762	762
12	757	760	756	751	753	754	756	755	743	734	726	724	722	733	727	737	743	745	754	754	753	753	750	753	753	753
13	745	744	738	742	745	744	743	735	735	732	723	725	724	727	715	731	746	752	756	764	761	763	765	767	767	767
14	757	758	757	763	769	765	757	743	735	736	726	731	719	734	734	744	734	735	743	748	755	753	753	754	754	754
15 **	754	754	760	747	753	754	745	729	703	707	708	703	722	726	733	748	749	748	747	764	763	756	762	772	772	772
16 **	765	758	754	737	746	738	737	733	727	721	713	707	727	725	719	733	736	747	763	761	762	756	755	755	755	755
17	751	753	745	739	736	743	739	734	728	726	713	713	726	734	740	735	739	756	763	765	762	765	767	757	757	757
18	750	751	749	752	758	753	747	740	735	718	730	735	740	735	738	747	750	754	756	759	756	755	754	753	753	753
19	750	755	763	751	764	755	745	743	740	732	736	739	744	735	741	745	750	756	764	760	751	753	754	751	751	751
20	746	748	747	748	748	745	736	730																		

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

U. T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
July																										
18000 γ + Tabular Quantities (in γ)																										
1	761	760	754	750	750	750	745	748	748	744	746	745	743	747	754	758	759	764	764	766	765	764	764	764	762	
2 **	761	763	764	768	762	758	750	743	746	749	749	744	745	754	749	766	759	793	785	764	745	728	731	735	735	
3	740	752	735	725	750	734	731	728	724	726	724	727	721	718	728	734	740	744	750	754	757	753	748	748	748	
4 *	748	746	744	744	750	748	743	740	731	730	730	728	724	732	735	738	744	750	751	754	754	748	748	748	745	
5 *	745	744	745	748	747	744	742	738	728	722	723	724	730	735	743	748	751	747	752	754	759	756	754	753	753	
6	752	749	748	750	752	746	740	739	730	728	729	731	733	736	744	764	758	770	777	774	788	789	780	768	768	
7	768	770	768	768	765	754	750	744	736	724	717	716	716	726	743	752	754	753	757	756	754	754	756	756	755	
8	753	752	750	746	752	752	751	744	745	726	728	744	730	723	748	751	769	745	767	765	769	759	758	754	754	
9	750	752	751	755	758	757	751	748	746	740	739	734	724	734	736	742	749	754	757	754	754	754	756	755	755	
10	749	746	748	754	750	754	753	746	736	728	722	730	714	735	752	752	743	743	755	757	757	758	753	750	750	
11 **	747	744	752	756	752	753	745	734	725	696	708	721	749	728	735	749	769	751	749	761	756	753	762	756	756	
12 **	779	746	734	737	744	753	754	744	731	724	725	716	714	720	727	728	734	743	743	744	745	751	733	730	730	
13	732	745	745	746	747	746	746	745	742	737	737	734	731	723	741	753	740	750	754	761	759	757	754	750	750	
14	749	742	744	748	759	757	750	748	741	734	734	743	744	739	740	754	758	750	760	762	758	755	754	754	754	
15 **	751	754	753	752	752	751	749	748	748	743	744	744	744	755	750	754	745	767	770	770	766	768	761	758	758	
16	754	762	754	747	756	754	746	736	725	725	730	726	722	738	744	748	755	764	758	770	760	760	760	758	758	
17	756	754	757	754	746	754	754	744	734	724	724	732	734	735	739	744	751	756	762	765	764	765	764	756	756	
18	754	756	756	757	752	750	745	747	740	742	740	736	726	733	743	744	744	747	756	763	758	755	756	754	754	
19 *	753	752	753	753	753	745	738	732	724	723	728	742	747	756	755	754	750	753	756	756	756	756	756	759	759	
20	759	756	762	757	759	755	749	743	739	738	742	744	744	746	756	756	761	764	767	771	762	755	752	752	752	
21 *	751	754	756	756	755	751	745	741	731	725	724	730	735	744	754	755	754	757	761	759	755	761	759	754	754	
22	753	754	755	755	753	752	744	738	732	731	735	736	732	732	737	751	755	762	758	761	758	763	765	762	762	
23	747	755	761	761	764	764	757	745	738	731	725	731	731	733	743	745	756	761	773	771	766	755	755	756	756	
24	751	764	772	774	760	758	755	746	738	734	731	732	725	733	740	745	754	753	761	762	763	762	763	759	759	
25	759	754	753	756	759	761	755	749	741	727	718	719	725	735	745	754	754	755	758	762	763	762	762	755	755	
26 **	751	752	750	747	753	757	760	765	763	755	739	734	743	743	745	750	762	773	765	771	766	772	762	761	761	
27	763	761	745	747	751	751	752	750	743	736	732	725	728	732	735	743	754	762	766	767	773	765	763	761	761	
28 *	755	758	755	755	755	755	754	751	742	735	731	733	739	740	746	755	754	750	755	759	762	761	761	762	762	
29	753	753	760	753	753	750	748	749	752	741	736	733	739	743	753	764	765	771	774	766	763	758	760	768	768	
30	753	755	755	757	756	753	743	739	735	737	737	733	729	735	748	753	753	759	763	763	770	766	763	756	756	
31	753	767	753	749	747	744	743	743	737	731	726	731	731	723	733	736	753	755	759	763	761	761	755	755	755	
Mean	753	754	753	752	754	752	748	744	738	732	731	732	732	736	743	750	753	757	761	762	761	759	757	755	755	
Mean *	750	751	751	751	752	749	744	740	731	727	727	731	735	741	747	750	751	751	755	756	757	756	756	755	755	
Mean **	758	752	751	752	753	754	752	747	743	733	733	732	739	740	741	749	754	765	762	762	756	754	750	748	748	
August																										
18000 γ + Tabular Quantities (in γ)																										
1 *	752	751	750	750	753	754	746	739	730	731	733	738	744	751	743	748	758	765	756	756	760	764	764	763	763	
2	763	761	762	758	755	752	745	743	736	732	735	741	748	752	749	750	755	762	765	771	772	764	754	761	761	
3	754	743	753	763	760	761	745	733	731	731	733	742	738	750	746	736	751	761	757	760	764	764	768	773	773	
4 **	753	755	757	761	757	765	767	750	734	727	684	681	685	733	715	723	743	743	739	737	744	747	751	741	741	
5 **	745	744	743	743	742	743	739	733	705	709	718	716	703	721	730	725	743	743	754	764	764	751	748	772	772	
6 **	758	752	751	761	763	757	730	726	711	711	708	713	705	711	722	742	743	775	759	752	748	731	759	733	733	
7 **	727	741	735	733	733	725	729	705	699	698	705	698	707	706	724	734	742	751	754	752	763	752	745	743	743	
8	742	733	736	741	743	741	736	731	722	709	707	719	722	723	731	741	745	745	752	755	755	752	748	748	748	
9	745	742	744	743	744	749	744	734	724	721	713	711	715	724	730	734	739	744	752	755	758	753	753	749	749	
10	745	745	750	760	756	758	755	746	736	731	730	734	744	742	738	741	743	750	753	761	755	756	755	754	754	
11 *	751	750	750	752	750	751	748	741	735	733	731	734	741	744	745	751	753	752	756	764	767	765	762	755	755	
12	755	761	760	752	753	755	754	750	746	747	747	744	737	743	741	740	745	758	764	764	764	764	763	760	760	
13	753	757	753	752	752	744	744	743	734	730	743	754	756	757	756	747	754	756	761	764	772	770	772	768	768	
14	759	760	762	757	757	755	751	749	743	743	743	740	750	749	742	744	750	762	741	760	763	762	760	764	764	
15	762	760	760	772	771	762	742	734	731	731	733	741	758	753	735	734	740	740	747	752	752	751	750	748	748	
16	744	744	745	743	743	748	743	751	744	740	740	739	734	732	734	740	743	751	754	761	758	755	759	753	753	
17	753	753	752	751	748	748	742	732	723	721	732	739	742	736	740	747	760	760	751	759	758	762	763	762	762	
18	753	752	752	753	757	750	740	742	742	743	740	736	743	750	743	736	745	752	754	752	745	757	755	752	752	
19	744	747	750	753	756	752	753	743	740	731	733	734	733	743	749	753	754	757	754	757	757	757	753	752	752	
20	753	751	752	751	750	747	745	738	728	728	730	732	736	743	748	742	743	761	761	755	755	755	755	755	756	
21 *	767	757	749	751	747	751	746	742	737	733	735	734	738	742	747	749	753	757	755	756	756	755	755	756	756	
22 *	755	756	754	754	752	750	742	738	732	737																



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

U. T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
September																										
18000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1	748	750	750	752	754	754	750	736	721	723	735	745	755	745	744	742	729	737	743	757	752	736	740	742		
2	745	742	755	775	758	759	755	742	730	727	702	697	722	736	731	727	724	728	735	745	747	746	750	746		
3	744	741	750	750	744	747	731	715	712	721	706	708	719	745	745	743	736	739	740	744	751	749	746	753		
4	784	749	748	751	747	745	750	734	722	701	698	711	733	745	750	724	719	732	741	746	748	760	741	746		
5 **	754	746	742	740	748	725	735	730	720	693	701	709	710	733	730	730	737	737	739	762	748	746	751	746		
6	746	742	740	748	750	750	735	724	715	716	706	711	720	720	729	725	735	747	745	745	744	745	748	758		
7	753	740	736	734	739	740	737	730	714	696	704	714	726	736	745	737	742	747	749	752	752	749	746	746		
8	745	744	746	749	750	747	744	741	735	726	720	725	732	736	737	742	724	730	745	753	753	752	752	755		
9	742	750	751	744	748	746	745	739	730	720	719	722	728	731	741	745	738	743	750	756	751	751	752	748		
10	749	746	748	750	750	748	747	736	738	725	722	723	731	740	738	738	739	742	747	749	750	749	748	747		
11 *	747	748	748	745	743	745	748	749	741	738	720	727	732	734	742	742	739	743	753	758	757	756	756	753		
12	751	757	755	754	750	762	726	757	750	740	724	710	722	718	719	716	729	736	740	748	752	753	754	753		
13 **	767	748	761	747	755	748	739	712	714	721	696	708	722	728	728	711	706	719	730	734	736	744	746	747		
14	742	741	741	740	739	733	732	730	729	720	718	715	721	732	731	729	732	741	743	746	746	748	748	749		
15 *	749	748	741	741	741	745	746	743	739	732	731	736	739	744	742	741	746	749	746	750	750	748	750	751		
16	752	757	748	737	748	749	739	739	738	723	709	712	730	741	739	732	737	740	747	750	751	751	753	757		
17	756	744	749	745	757	769	751	741	729	724	729	733	723	721	728	735	740	745	746	740	738	732	735	742		
18	743	748	753	751	750	747	742	738	727	716	720	718	720	719	731	737	731	732	728	740	746	746	748	748		
19	752	756	747	743	749	750	746	739	727	713	711	709	723	741	740	732	738	738	742	747	742	745	747	748		
20	752	740	738	750	751	754	753	750	732	720	725	732	742	750	757	757	753	753	758	761	752	758	752	750		
21 *	748	747	748	750	752	753	750	745	735	724	724	729	732	734	738	741	744	749	751	750	751	756	756	758		
22	763	750	768	747	742	749	753	751	746	738	738	732	737	740	748	750	750	752	764	762	755	748	756	756		
23	753	758	757	759	762	760	758	750	731	719	716	720	733	730	730	735	740	734	734	731	736	733	755	745		
24	763	749	737	744	750	750	745	740	734	726	727	733	739	742	744	743	744	744	745	746	751	754	750	750		
25 *	746	746	750	748	748	747	749	745	740	733	728	730	735	738	737	737	742	748	754	756	756	760	755	754		
26 *	750	750	754	753	752	750	747	745	744	740	737	735	739	740	744	747	754	756	760	761	762	760	759	756		
27 **	751	748	756	775	775	774	767	763	747	726	726	723	714	725	736	740	726	744	750	740	750	772	745	750		
28	748	747	745	750	769	770	760	748	734	720	723	721	723	726	721	734	740	740	730	734	726	736	750	751		
29 **	738	733	755	740	745	750	755	754	745	735	734	731	730	735	744	735	706	716	716	717	734	754	732	744		
30 **	725	737	736	738	747	757	750	728	714	725	691	669	695	708	717	720	725	720	730	738	735	716	731	750		
Mean	750	747	748	748	750	751	746	740	731	723	718	720	728	734	737	736	735	739	743	747	747	748	748	750		
Mean *	748	748	748	747	747	748	748	745	740	733	730	731	735	738	741	742	745	749	753	755	755	756	755	754		
Mean **	747	742	750	748	754	751	749	737	728	720	710	708	714	726	731	727	720	727	729	738	741	746	741	747		
October																										
18000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1	735	726	730	731	732	738	732	727	719	713	703	712	722	728	726	737	739	740	741	738	740	746	746	748		
2	751	743	742	748	747	746	746	736	725	712	718	717	718	714	714	718	720	733	721	737	758	742	742	743		
3	741	741	738	730	746	756	738	742	723	711	718	711	728	737	735	732	718	728	739	742	743	741	740	743		
4	749	745	747	739	747	759	754	738	723	718	690	699	718	720	722	730	735	740	741	739	737	740	740	746		
5 **	749	743	743	741	748	748	751	748	731	723	708	719	706	709	722	717	742	718	712	764	710	718	725	720		
6 **	727	727	722	738	749	741	738	731	700	677	681	696	713	720	715	720	719	739	730	732	732	738	737	740		
7	740	734	734	735	739	744	741	733	723	707	705	704	705	724	730	730	726	733	741	737	735	737	735	747		
8	735	739	745	745	745	745	745	733	726	722	724	721	726	730	739	742	746	749	760	758	758	756	749	747		
9	744	741	744	745	747	749	752	750	736	722	714	716	722	732	740	743	749	752	753	751	751	772	781	756		
10	744	745	749	748	752	764	767	761	755	721	720	720	718	707	726	726	731	735	752	751	751	753	752	751		
11	750	748	747	743	747	749	748	739	715	711	705	707	705	707	722	721	723	736	742	744	746	749	748	747		
12 *	745	744	743	743	745	746	748	750	747	741	737	738	737	738	738	740	740	742	748	750	750	750	744	746		
13 *	745	745	747	747	748	751	752	752	748	744	740	736	736	733	736	738	738	742	742	739	734	743	751	751		
14	752	752	753	753	751	754	763	757	752	753	748	749	748	742	742	743	747	750	748	751	753	754	757	756		
15	753	752	753	753	757	758	757	754	750	747	743	747	753	753	752	747	745	750	753	757	758	758	758	757		
16	749	746	749	752	753	757	757	749	743	738	741	743	748	752	754	752	754	759	765	763	763	759	757	757		
17	753	749	757	759	755	762	763	763	763	757	753	748	749	751	753	753	757	760	767	761	761	763	762	759		
18 *	755	753	754	755	754	754	753	747	740	738	739	743	749	755	759	759	760	761	761	758	759	761	759	759		
19 *	757	756	757	758	759	758	756	751	743	738	736	743	753	759	763	760	762	763	759	762	761	758	761	761		
20	759	759	755	760	762	761	762	757	743	727	734	741	750	745	746	741	736	745	751	747	750	754	752	753		
21	752	752	753	754	754	755	754	753	750	743	741	741	743	751	753	751	746	747	748	752	744	746	753	747		
22	749	747	751	754	757	760	760	755	753	741	733	729	737	732	732	733	730	735	732	745	756	756	755	755		
23	754	755	754	752	753	753	754	747	736	729	729	733	728	738	743	749	750	753	754	758	761	761	760	756		
24 *	756	755	755	756	759	763	763	759	754	748	742	738	742	745	751	753	755	762	763	762	764	762	759	754		
25 **	747	772	759	754	770	772	775	751	735	735	695															

MAGNETIC OBSERVATIONS, ABINGER, 1955.

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

U.T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>		
November																											
18000 $\gamma$ + Tabular Quantities (in $\gamma$ )																											
1	723	721	718	725	748	751	738	729	725	721	713	709	716	723	727	732	733	729	729	737	733	737	744	740			
2	734	734	736	739	743	739	743	739	737	733	724	719	717	723	709	724	727	727	738	745	753	752	747	747			
3 *	747	747	747	749	749	748	747	743	738	727	720	723	733	741	747	748	744	748	749	749	749	746	743	749			
4 **	749	750	753	770	766	753	753	733	732	732	717	710	723	731	731	732	732	736	736	739	723	712	733	723			
5	726	732	733	734	746	749	739	743	723	723	721	724	721	725	731	731	733	735	737	735	739	738	734	740			
6 *	743	743	742	742	744	744	750	750	742	729	721	717	721	728	732	733	737	742	744	744	746	745	742	742			
7 *	746	746	742	742	744	747	748	750	743	736	727	723	723	732	734	742	744	751	751	753	752	752	752	752			
8	751	753	757	756	754	762	770	769	758	753	750	744	738	735	732	724	716	741	731	750	755	753	734	725			
9	763	731	734	740	744	741	747	749	746	745	742	731	731	732	739	742	743	745	743	746	749	751	746	747			
10	748	742	742	742	745	750	752	751	748	742	732	724	727	733	742	744	750	744	750	750	753	753	755	754			
11	751	745	750	749	751	753	753	752	746	741	733	735	740	740	742	744	738	748	748	750	751	762	757	753			
12	748	751	752	751	751	754	757	752	717	716	736	739	740	736	736	739	741	722	700	722	732	741	742	743			
13	741	741	738	737	738	737	744	742	740	732	730	726	730	731	733	738	740	738	740	744	744	744	745	749			
14	744	743	744	746	748	749	750	749	743	740	733	736	744	749	751	743	753	753	755	752	751	751	752	751			
15	752	753	753	754	756	760	762	749	748	746	730	709	707	713	714	711	712	718	714	689	711	730	732	741			
16 **	736	734	741	743	732	732	750	742	731	719	719	714	710	714	714	720	710	701	686	684	698	726	734	732			
17	731	731	733	740	766	741	740	739	734	726	717	717	723	723	724	731	740	741	741	740	734	731	734	734			
18 **	738	739	740	738	740	753	750	751	731	732	728	731	738	735	747	752	750	673	668	633	677	711	709	704			
19 **	711	710	716	721	724	727	725	732	731	700	654	659	674	694	682	636	637	639	689	700	718	699	692	690			
20 **	716	744	704	689	706	711	703	684	670	660	650	641	651	674	668	664	661	685	660	681	681	683	712	716			
21	719	714	716	710	722	722	719	718	713	709	703	702	702	708	713	719	722	724	724	726	729	730	729	728			
22 *	725	726	726	730	732	733	734	737	732	727	720	710	703	707	716	723	727	731	732	733	735	737	738	735			
23 *	735	733	733	740	742	742	742	742	737	731	728	731	733	736	740	740	742	744	743	740	737	740	740	734			
24	742	743	743	743	744	749	751	748	739	740	736	728	720	726	725	725	722	722	722	732	729	736	743	737			
25	739	756	748	742	742	747	746	748	740	735	735	734	723	722	736	732	714	737	740	743	743	742	742	742			
26	747	745	742	744	744	746	752	751	742	732	723	724	726	731	731	736	739	743	746	747	746	743	742	745			
27	756	745	745	746	748	748	750	747	745	736	732	724	729	738	740	739	741	742	747	748	744	738	740	745			
28	746	744	745	748	752	752	752	752	751	742	724	720	724	733	740	738	732	744	745	750	745	728	742	734			
29	738	741	739	740	743	746	751	748	745	743	734	728	731	732	733	734	738	737	739	739	732	733	741	743			
30	744	745	746	746	753	751	753	753	746	739	734	732	733	738	733	736	738	741	735	745	749	744	743	745			
Mean	740	739	739	740	744	745	746	743	736	730	722	719	721	726	728	728	729	729	729	732	735	736	738	737			
Mean *	739	739	738	741	742	743	744	744	738	730	723	721	723	729	734	737	739	743	744	744	744	744	743	742			
Mean **	730	735	731	732	734	735	736	728	719	709	694	691	699	710	708	701	698	687	688	687	699	706	716	713			
December																											
18000 $\gamma$ + Tabular Quantities (in $\gamma$ )																											
1 **	745	754	751	752	752	753	754	753	759	751	734	734	742	735	725	733	703	716	697	668	675	682	686	685			
2	693	700	712	722	732	736	726	733	719	721	722	723	722	716	725	731	734	735	735	735	734	735	734	733			
3	734	735	738	740	743	745	751	746	745	743	737	726	724	721	716	726	733	750	754	738	734	737	749	743			
4	744	731	741	745	746	750	744	743	737	731	726	731	735	736	740	740	743	744	745	745	744	746	748	744			
5	744	744	745	750	754	754	751	747	744	741	736	737	745	752	754	746	749	753	750	756	753	750	773	764			
6 **	735	734	730	740	734	738	741	736	731	728	728	727	733	739	739	742	744	746	747	750	744	746	738	729			
7	741	734	736	750	742	737	736	738	736	735	737	737	738	740	742	744	748	750	750	752	752	751	752	747			
8	746	748	752	748	754	762	755	752	751	746	745	743	741	743	744	742	733	745	749	753	743	743	738	745			
9	753	757	743	742	748	761	761	757	752	754	749	734	727	709	724	722	730	749	749	749	746	747	748	749			
10	748	746	745	745	746	746	749	749	752	751	749	741	731	732	740	742	740	736	735	751	745	749	748	749			
11	746	749	748	749	748	746	746	747	747	743	736	734	732	735	744	745	748	750	749	751	751	751	746	745			
12	753	752	750	751	752	752	754	753	755	752	749	749	746	745	747	755	755	751	749	747	743	741	746	749			
13 *	749	748	749	751	754	755	755	755	756	753	749	745	744	749	751	754	752	759	757	757	755	757	757	755			
14 *	755	755	756	758	760	761	764	763	767	767	759	751	750	754	755	756	759	760	761	759	758	759	755	755			
15	757	761	756	753	754	756	762	762	762	756	750	750	756	758	761	760	761										

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

U. T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>		
January																											
43000 $\gamma$ + Tabular Quantities (in $\gamma$ )																											
1	337	334	334	335	338	338	336	335	333	332	330	328	329	335	337	336	337	339	339	340	341	340	342	343	343		
2	338	342	339	338	337	337	337	336	334	337	336	332	332	333	332	330	335	337	338	338	338	338	338	338	341	341	
3	340	340	338	335	338	335	337	338	339	341	341	338	338	342	341	338	338	337	338	337	338	337	335	335	334	334	
4	338	332	333	335	337	338	338	338	338	340	342	339	336	338	342	339	339	342	342	342	343	344	344	341	338	338	
5	341	341	339	339	338	338	336	338	340	342	343	343	342	343	343	339	339	339	339	337	338	339	339	338	337	337	
6	340	341	341	338	333	333	335	335	335	338	339	338	339	340	339	338	338	338	339	342	340	339	338	338	338	338	
7	338	338	337	335	336	337	334	335	335	339	340	336	337	338	341	339	339	339	340	343	344	344	343	340	340	340	
8	342	339	339	338	339	336	335	335	335	337	336	332	333	338	339	339	339	338	337	338	338	339	339	341	341	341	
9 **	341	339	338	338	336	335	333	329	329	330	330	330	335	337	339	350	356	355	355	350	345	340	339	337	337	337	
10 *	338	340	341	341	340	338	335	335	334	334	330	331	331	335	334	335	338	338	339	340	338	336	335	335	335	335	
11	337	338	334	335	336	336	333	331	334	336	337	334	330	339	340	340	341	340	339	340	339	342	329	335	335	335	
12	340	340	343	341	340	340	337	335	335	336	338	332	328	326	330	333	338	338	337	337	335	333	333	333	333	333	
13	334	335	335	335	335	333	331	329	328	331	330	331	335	335	335	338	341	341	341	341	341	340	337	335	335	335	
14	334	334	333	333	333	333	333	334	331	334	332	333	332	332	336	337	339	340	346	341	340	339	339	336	336	336	
15 *	335	336	337	336	336	336	337	337	337	337	338	337	336	338	335	333	335	336	336	336	337	335	333	333	334	334	
16	333	334	335	335	335	335	335	332	332	334	336	332	334	334	335	336	336	337	339	340	341	341	338	336	336	336	
17 **	336	338	338	338	335	334	331	332	335	336	332	335	336	336	348	361	357	356	351	347	344	345	348	343	343	343	
18 **	335	290	298	307	305	311	326	338	346	348	350	349	348	348	349	349	355	360	355	354	348	342	347	346	346	346	
19 **	327	315	318	309	301	305	307	318	335	351	370	371	374	381	374	361	357	358	354	350	345	345	329	337	337	337	
20 **	339	332	329	336	337	337	340	346	347	344	344	342	340	342	346	347	346	345	345	347	350	348	340	341	341	341	
21	330	337	340	341	340	337	337	338	339	337	338	338	338	339	342	341	340	341	341	344	347	342	345	344	344	344	
22	340	342	345	344	344	343	339	339	338	336	334	336	337	339	340	341	342	342	340	340	342	340	341	341	341	341	
23	342	340	336	338	339	339	338	337	337	333	335	337	337	340	343	345	344	348	347	348	352	343	341	340	340	340	
24 *	343	345	346	344	342	339	338	338	335	329	330	331	332	334	337	340	343	344	343	343	344	345	346	343	343	343	
25 *	342	341	341	341	342	342	339	339	339	338	340	339	337	338	341	343	342	343	342	343	344	342	340	339	339	339	
26 *	342	343	343	344	343	342	340	338	337	336	336	333	332	332	337	338	340	341	342	341	340	340	340	338	338	338	
27	338	340	341	341	341	340	339	337	339	338	332	331	328	328	330	332	335	340	350	354	361	361	353	346	346	346	
28	344	338	335	339	341	341	340	340	339	339	340	339	334	334	337	338	340	342	343	343	343	343	343	343	340	340	
29	338	340	340	341	341	341	340	339	337	337	338	337	335	338	338	339	339	341	341	343	344	347	342	345	345	345	
30	343	343	343	342	344	343	343	341	339	338	337	336	336	337	336	335	337	340	343	345	347	347	346	343	343	343	
31	343	342	341	341	342	341	339	339	339	341	341	339	335	333	336	337	338	340	340	340	340	341	340	337	337	337	
Mean	338	336	336	337	336	336	335	336	336	337	338	337	336	338	340	340	341	342	343	343	343	342	340	339	339	339	
Mean *	340	341	342	341	341	339	338	337	336	335	335	334	334	335	337	338	340	340	340	341	341	340	339	338	338	338	
Mean **	336	323	324	326	323	324	327	333	338	342	345	345	347	349	351	354	354	355	352	350	346	344	341	341	341	341	
February																											
43000 $\gamma$ + Tabular Quantities (in $\gamma$ )																											
1 *	337	338	338	338	338	338	338	338	339	338	339	339	337	332	333	336	337	337	338	339	339	339	339	339	339	339	339
2 *	339	338	338	338	338	339	337	338	338	337	337	338	337	335	337	340	343	345	344	344	345	347	347	346	346	346	346
3	346	341	339	339	336	335	333	332	333	337	338	339	338	337	335	335	337	340	341	342	345	346	345	343	343	343	
4 **	341	341	341	340	338	338	336	332	330	328	330	335	332	335	335	337	341	344	346	347	351	350	346	342	342	342	
5 **	347	341	339	340	340	339	338	333	332	331	333	331	333	339	342	342	346	345	347	352	349	347	338	335	335	335	
6	340	341	341	340	339	338	335	331	329	330	333	330	331	334	336	340	345	343	344	343	344	346	347	346	346	346	
7	337	338	338	339	339	337	333	332	329	328	329	330	328	330	344	348	348	347	347	347	347	345	343	340	340	340	
8	344	339	340	341	343	340	337	332	333	334	335	329	330	334	339	340	348	350	348	347	347	340	328	331	331	331	
9	336	339	340	339	339	338	335	333	333	333	334	335	337	337	339	340	343	344	347	350	348	346	344	340	340	340	
10 *	340	342	343	345	344	342	338	336	336	333	337	335	335	337	338	338	338	340	341	342	343	340	338	337	337	337	
11	338	340	341	341	341	340	339	338	333	331	333	335	333	334	337	339	343	353	355	364	369	363	360	353	353	353	
12	347	345	346	347	343	340	339	339	340	340	338	336	334	336	340	344	345	347	349	353	355	349	338	341	341	341	
13	344	338	328	333	336	338	338	339	338	338	337	336	337	338	339	344	350	347	348	348	347	341	339	338	338	338	
14	338	342	341	341	341	339	336	337	335	336	336	335	335	335	338	340	344	344	348	347	345	347	346	340	340	340	
15	340	340	346	346	343	336	331	334	337	337	338	338	336	333	337	339	339	340	341	343	342	341	340	339	339	339	
16	340	339	339	339	339	339	337	338	340	339	341	339	339	339	341	340	341	343	343	348	347	346	347	346	346	346	
17	340	344	342	338	337	337	337	337	338	339	338	331	330	330	336	339	340	340	340	340	341	341	341	339	339	339	
18	339	339	339	339	336	335	334	333	336	337	333	329	328	330	332	333	337	339	339	343	353	357	354	348	348	348	
19 *	343	343	340	340	339	338	338	337	337	334	335	330	329	331	335	338	338	339	339	340	341	342	343	340	340	340	
20	342	340	339	337	334	334																					

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

U. T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
March																										
43000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1 *	345	345	343	341	341	344	342	343	344	341	339	339	340	341	346	348	347	346	347	347	347	345	346	346	343	
2 *	341	339	339	339	339	339	338	338	340	339	338	337	336	335	336	338	341	340	341	340	342	339	341	341	341	
3 *	341	341	340	339	339	338	338	339	340	338	335	334	334	335	337	339	340	339	340	340	341	341	340	339	335	
4 *	339	339	339	339	338	339	338	339	339	337	334	333	330	333	338	339	339	337	338	338	342	344	344	344	342	
5	338	338	338	339	338	334	332	334	338	335	332	328	329	332	337	342	342	343	344	345	344	345	338	342		
6	342	344	338	335	338	338	338	335	334	335	337	336	335	338	340	340	344	340	343	345	348	348	347	347		
7 **	347	335	335	336	336	335	328	327	328	329	331	327	328	331	338	341	348	359	357	351	341	337	340	341		
8	345	341	338	340	340	339	336	338	338	339	339	338	337	338	342	345	349	350	356	349	347	346	339	335		
9 **	337	338	340	341	340	339	338	339	340	337	329	330	332	337	342	354	359	366	382	377	381	379	367	358		
10	354	355	322	351	350	348	344	341	344	337	339	338	345	349	357	355	354	356	357	358	358	355	351	345		
11	344	341	343	346	347	346	341	340	338	335	328	325	327	333	339	345	353	357	351	348	348	346	342	343		
12	345	345	346	334	329	333	334	339	339	337	332	331	334	338	343	348	353	362	358	358	359	346	348	348		
13	348	347	344	345	345	345	343	342	339	337	337	335	338	338	346	350	355	355	355	355	357	348	347	345		
14	340	335	339	344	345	346	344	346	345	341	340	336	336	339	346	349	357	355	358	354	354	352	349	346		
15	346	338	340	336	328	331	335	335	330	330	332	337	336	338	342	347	349	350	348	349	356	357	350	340		
16	346	345	339	339	341	342	344	345	347	344	340	338	338	338	339	342	347	351	349	350	351	349	344	340		
17	339	337	340	341	344	340	337	335	328	326	327	330	334	334	340	348	348	349	348	346	346	341	341	342		
18	341	344	343	342	340	338	337	340	339	338	329	327	328	336	338	342	350	367	360	359	358	353	349	348		
19	347	342	340	341	342	342	339	341	340	337	330	325	322	327	333	338	343	346	347	348	349	348	344	344		
20	345	344	340	340	341	341	342	343	341	338	332	330	331	335	338	339	342	342	343	344	344	343	343	343		
21	336	339	341	342	342	341	339	342	339	335	330	328	328	331	339	341	346	347	343	342	344	347	340	337		
22 **	339	341	342	341	340	339	338	338	337	328	328	333	343	360	385	447	429	406	397	377	366	359	357	355		
23	356	355	353	352	349	348	346	348	347	344	344	342	341	342	346	351	358	361	369	378	381	376	360	357		
24	355	349	338	337	340	343	344	344	339	337	336	332	332	339	348	352	353	355	355	355	350	349	350	348		
25	349	349	349	349	350	350	348	349	345	340	338	340	342	344	348	354	359	362	358	358	357	352	348	348		
26	348	348	348	348	350	348	348	347	339	334	328	328	332	341	351	354	354	352	348	348	348	347	345	347		
27	348	348	348	348	347	345	346	344	342	335	333	330	328	328	335	341	345	349	349	349	348	347	347	344		
28	342	345	347	347	347	347	346	348	347	341	332	329	329	330	337	345	347	347	345	345	345	345	344	342		
29 *	340	343	344	344	345	346	346	346	343	339	334	328	322	326	332	338	345	346	346	346	345	344	342	341		
30 **	341	341	340	340	340	340	341	345	341	337	328	316	308	316	327	338	343	345	348	356	356	348	330	331		
31 **	330	330	305	305	317	326	329	331	330	334	335	335	337	340	351	369	375	372	370	359	351	350	338	340		
Mean	344	343	340	341	341	341	340	341	339	337	334	332	333	336	342	349	352	353	353	352	352	349	346	344		
Mean *	341	341	341	340	340	341	340	341	341	339	336	334	332	334	338	340	342	342	342	342	343	343	343	341		
Mean **	339	337	332	333	335	336	335	336	335	333	330	328	330	337	349	370	371	370	371	364	359	355	346	345		
April																										
43000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1	341	339	341	344	344	345	341	346	347	341	337	337	339	341	348	351	351	351	351	350	350	348	335	339		
2	344	340	345	346	345	342	340	339	337	335	329	326	327	335	352	364	371	377	377	369	365	356	345	346		
3	347	347	345	344	346	346	346	346	340	336	329	328	328	335	345	355	361	361	359	358	357	354	347	346		
4	347	349	348	347	346	344	341	342	340	334	333	334	336	339	344	345	346	350	358	365	357	355	350	344		
5 **	338	338	330	336	340	340	340	339	339	337	332	329	334	337	348	350	355	355	356	355	349	349	349	347		
6	346	343	335	335	338	342	342	342	341	336	332	329	328	329	337	345	350	349	347	347	347	346	339	336		
7 **	328	326	327	327	328	333	335	338	341	337	332	334	328	331	341	344	347	351	347	348	347	346	346	341		
8	337	343	345	346	345	346	342	341	337	331	329	327	327	334	340	343	348	350	351	349	347	346	343	343		
9	344	346	346	343	343	341	341	343	343	337	328	325	326	333	340	343	347	347	345	346	344	342	341	341		
10	341	346	346	347	345	343	342	341	339	333	327	321	326	331	343	347	351	356	356	351	349	349	347	345		
11	341	345	347	347	343	339	341	342	341	337	335	335	336	339	343	347	348	352	349	351	349	347	343	342		
12	344	346	342	335	338	339	338	342	343	339	330	329	329	335	339	346	349	349	348	348	351	354	351	346		
13	346	340	334	334	338	340	338	338	337	330	328	329	333	335	339	344	346	346	347	347	348	350	354	345		
14	339	345	346	346	346	345	338	337	336	333	327	325	327	331	336	341	346	346	347	346	346	345	343	343		
15	343	342	342	341	341	341	341	339	338	335	331	321	321	327	336	338	341	343	346	344	345	345	343	342		
16 *	342	342	342	342	343	342	341	343	341	334	328	324	325	328	334	337	341	342	342	344	347	347	342	343		
17 *	344	342	342	341	341	340	339	339	340	338	334	331	332	337	341	344	346	346	344	344	344	342	342	341		
18 *	344	344	343	343	341	339	341	343	343	339	336	332	332	333	338	344	348	349	347	343	343	342	341	344		
19 *	343	343	343	342	342	336	335	339	338	330	322	319	320	329	337	339	338	338	338	338	339	340	339	339		
20	341	341	340	340	339	338	338	339	334	330	327	326	327	335	343	346	348	352	352	350	348	347	347	346		
21	347	344	344	344	344	339	338	337	333	331	325	319	322	334	339	344	347	349	348	348	348	347	346	342		
22	342	342	342	338	336	332	336	337	331	328	327	327	325	327	333	340	342	342	343	342	341	340	340	341		
23 *	343	344	343	345	34																					

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

U. T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>		
May																											
43000 $\gamma$ + Tabular Quantities (in $\gamma$ )																											
1	341	341	343	346	346	346	348	348	348	342	332	328	329	337	342	344	344	349	351	352	352	349	348	350			
2	349	349	348	348	348	346	348	347	345	342	331	326	328	333	340	345	348	347	346	347	348	349	349	352	350		
3	348	347	344	345	346	343	339	341	344	339	332	323	324	332	339	347	346	349	351	349	349	348	347	347	347		
4	347	346	347	348	347	343	342	342	339	336	332	326	329	338	344	347	347	348	348	348	351	348	348	348	343		
5	346	348	349	348	348	346	344	341	339	335	330	324	321	329	338	346	349	349	348	346	345	342	342	343	345		
6 **	345	348	348	349	349	346	343	342	339	329	319	315	319	335	343	355	357	357	355	350	350	349	352	339			
7 **	339	323	323	335	337	333	332	329	316	316	323	321	319	326	340	349	349	349	351	353	349	348	344	340			
8 **	336	337	333	329	321	321	330	335	335	331	328	325	332	345	345	356	359	365	371	363	355	350	349	339			
9	338	345	349	349	349	347	350	351	349	336	331	329	333	345	355	355	356	359	361	355	350	349	349	346			
10	343	343	345	345	349	349	349	348	347	342	333	325	327	334	339	347	349	353	351	354	354	353	353	352			
11	349	351	349	350	349	349	349	349	349	346	339	333	333	339	343	348	349	349	350	350	349	349	349	349			
12	349	348	349	349	349	349	347	348	344	337	331	327	331	336	341	348	350	354	357	360	360	357	341	342			
13	342	341	344	348	350	348	348	347	342	339	331	324	320	327	333	339	344	350	351	351	351	349	347	347			
14	343	340	340	347	347	345	342	342	341	341	338	338	339	335	343	344	354	359	359	357	354	352	349	349			
15	347	347	347	347	348	347	349	349	346	342	338	336	333	335	339	344	348	351	353	352	349	347	347	347			
16	340	330	328	319	319	322	340	346	347	344	338	331	332	342	348	349	352	355	356	357	353	351	352	351			
17 *	349	348	347	348	350	351	353	354	347	340	337	331	331	340	347	349	349	350	350	349	349	349	349	350			
18	345	342	343	346	349	349	347	346	341	338	329	323	327	330	331	339	341	344	346	347	347	347	348	348			
19 *	346	347	346	347	349	347	345	342	336	330	329	328	329	333	340	348	349	348	347	348	348	348	348	348			
20	347	347	346	345	346	341	337	335	329	323	313	313	315	324	333	340	346	349	349	344	343	344	345	345			
21 *	345	345	345	346	347	344	344	345	341	333	323	315	319	328	338	345	349	350	349	345	343	342	344	344			
22	345	344	347	346	348	345	343	340	338	333	325	326	328	329	337	345	346	348	347	342	340	340	340	343			
23 *	346	347	345	347	348	346	342	341	337	328	320	317	319	328	337	341	339	341	342	340	340	340	341	343			
24 *	340	341	342	346	347	345	347	347	346	339	329	320	320	330	341	347	350	349	345	343	342	344	347	345			
25 **	342	342	343	347	348	349	349	349	344	338	333	327	323	329	337	336	338	338	341	347	355	357	330	304			
26 **	282	293	307	304	323	328	339	347	347	348	353	350	348	348	351	358	364	366	366	363	359	355	355	355			
27	348	349	350	354	357	358	356	350	346	341	338	331	331	338	345	365	364	364	369	369	360	352	343	335			
28	339	338	338	335	341	342	344	344	339	336	335	334	342	343	354	362	359	359	360	360	355	353	350	349			
29	343	345	348	349	349	350	349	348	343	339	339	339	339	344	349	354	353	354	353	354	352	350	349	349			
30	349	348	349	349	350	352	353	353	350	343	339	333	333	340	347	348	349	355	354	353	353	351	350	349			
31	348	347	346	344	347	345	344	347	342	338	335	329	328	329	335	350	346	349	350	348	349	349	348	345			
Mean	342	342	343	344	345	344	345	345	342	337	332	327	328	335	342	348	350	352	352	351	350	349	347	345			
Mean *	345	346	345	347	348	347	346	346	341	334	328	322	324	332	341	346	347	348	347	345	344	345	346	346			
Mean **	329	329	331	333	336	335	339	340	336	332	331	328	328	337	343	351	353	355	357	355	354	352	346	335			
June																											
43000 $\gamma$ + Tabular Quantities (in $\gamma$ )																											
1	342	342	342	343	344	342	340	338	337	337	334	333	337	340	338	341	348	357	356	350	345	347	347	348			
2	346	344	346	347	348	347	345	346	341	334	327	323	331	339	341	346	349	349	349	349	349	349	349	349			
3	349	349	350	349	349	350	348	346	341	341	341	334	331	334	344	348	348	347	348	350	353	349	348	349			
4	349	348	347	349	349	345	345	345	339	335	333	330	335	338	343	348	349	353	354	355	355	349	348	348			
5 *	347	347	348	349	349	349	345	343	335	333	333	330	332	332	340	348	352	357	357	356	351	348	347	347			
6	347	347	347	348	350	349	347	348	343	339	337	331	332	339	347	350	352	359	360	367	362	358	356	351			
7	345	346	347	340	343	349	348	347	341	339	336	332	337	347	352	353	351	353	350	349	345	344	345	341			
8 **	337	339	339	332	323	321	330	337	335	330	329	329	335	344	353	357	369	379	373	363	355	351	345	340			
9	344	346	349	349	352	353	352	350	345	340	336	332	337	342	350	351	353	352	352	351	350	349	348	346			
10 *	346	347	347	349	349	349	349	347	341	336	330	326	330	337	342	349	350	352	352	351	350	349	348	347			
11	346	346	346	347	348	350	349	350	347	341	337	330	333	340	345	347	350	357	359	359	355	350	347	341			
12	339	340	341	345	348	349	348	348	345	342	343	344	345	349	351	357	357	357	358	357	355	351	349	348			
13	347	347	348	349	351	354	352	351	348	343	340	339	340	342	349	352	357	361	359	357	353	351	349	347			
14	346	346	347	348	349	349	348	348	348	342	340	341	345	348	351	355	355	361	362	363	361	357	352	351			
15 **	350	349	341	334	341	346	350	350	349	352	347	342	347	350	352	356	356	359	362	362	359	357	352	348			
16 **	340	338	327	338	342	344	347	348	347	342	339	338	340	344	347	351	352	354	356	357	357	352	351	351			
17	350	349	345	343	346	348	348	353	352	348	339	332	339	348	354	356	359	361	360	360	360	358	350	349			
18	349	350	350	352	351	349	348	344	343	340	339	332	331	336	344	346	351	352	353	356	352	353	353	353			
19	351	351	348	341	346	345	348	346	349	345	341	337	341	342	350	352	354	358	357	357	354	351	350	351			
20	351	352	352	353	356	353	349	345	344	339	330	324	328	333	341	348	352	354	356	352	350	349	349	350			
21 *	349	344	342	348	350</																						

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

U. T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
July																										
43000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1	346	344	341	345	345	342	346	345	341	339	331	326	330	331	331	336	344	346	345	346	347	348	347	346	346	346
2 **	346	344	342	340	342	340	338	335	326	324	321	316	317	326	329	337	339	351	360	361	356	351	355	356	356	356
3	354	349	344	344	338	336	339	343	344	342	338	335	334	339	345	351	353	357	359	357	355	352	350	350	350	350
4 *	350	349	349	349	350	348	348	351	351	348	340	334	331	335	341	348	350	352	352	351	350	350	349	347	347	347
5 *	348	349	349	349	351	350	350	350	346	340	339	340	340	345	350	354	356	358	356	354	351	350	348	348	347	347
6	347	348	349	350	350	346	344	346	347	344	341	340	340	340	346	351	350	353	357	354	350	349	350	347	347	347
7	348	344	339	331	334	332	339	344	342	340	339	331	330	338	348	352	358	362	359	356	352	350	349	347	347	347
8	346	348	349	350	350	348	347	346	346	340	337	328	331	338	341	347	356	356	361	364	360	351	349	347	347	347
9	349	349	350	351	356	354	349	343	336	332	329	330	332	340	346	344	351	355	356	351	350	348	346	346	346	346
10	345	346	347	350	349	350	350	348	344	339	332	328	330	338	344	354	360	367	371	365	358	353	350	349	349	349
11 **	348	348	342	342	349	348	346	349	347	346	344	340	339	341	352	358	357	354	351	352	351	350	349	348	348	348
12 **	341	318	330	342	350	349	350	351	346	342	342	344	349	351	357	367	378	381	380	379	372	361	349	349	349	349
13	348	342	348	350	355	357	353	356	350	352	349	343	345	345	350	355	360	360	359	360	360	357	354	354	354	354
14	352	350	350	354	356	354	353	352	353	348	344	339	340	342	349	351	356	359	360	359	355	352	351	351	351	351
15 **	350	350	350	350	351	350	350	350	346	342	340	330	330	339	344	350	352	355	352	353	354	354	350	351	351	351
16	352	341	336	340	347	345	345	347	342	340	340	336	334	339	344	350	352	359	358	356	355	353	350	350	350	350
17	351	351	351	351	351	348	346	347	345	343	338	333	330	331	339	349	353	358	354	352	351	350	350	351	351	351
18	351	351	352	351	353	351	343	342	342	340	337	338	337	341	352	359	359	360	360	359	352	350	349	349	349	349
19 *	350	350	351	350	352	352	350	349	343	338	330	325	323	332	340	348	351	351	349	347	347	347	348	348	349	349
20	350	350	350	351	351	350	345	342	337	335	328	317	321	326	338	343	349	356	353	352	352	351	349	349	349	349
21 *	349	349	348	348	349	350	350	350	347	343	333	330	330	337	343	349	352	357	358	356	353	351	343	347	347	347
22	347	348	349	350	350	349	348	347	346	347	348	340	334	333	340	346	349	352	351	351	349	346	347	345	345	345
23	346	343	345	349	351	349	350	349	345	340	334	331	329	330	333	341	350	353	353	351	350	349	351	345	345	345
24	345	346	344	348	349	350	345	343	342	341	335	331	324	326	331	338	346	349	351	350	349	346	343	343	343	343
25	344	344	344	343	348	345	344	343	339	333	337	331	330	334	340	344	347	351	350	350	349	348	346	346	346	346
26 **	342	343	343	347	349	346	345	344	340	335	338	331	327	330	334	342	344	348	349	351	350	350	343	345	345	345
27	343	341	341	341	347	347	343	343	341	340	330	323	324	330	336	340	341	343	347	349	349	347	343	343	346	346
28 *	343	343	343	343	346	342	342	346	346	342	337	330	322	329	336	343	350	352	351	350	349	349	349	349	348	348
29	344	344	342	342	347	343	343	347	346	346	349	338	331	337	344	348	351	351	351	348	351	351	349	345	345	345
30	345	344	344	345	348	347	347	345	337	335	331	330	326	325	330	336	341	344	345	346	345	345	345	345	345	346
31	345	342	341	342	346	348	347	347	348	343	339	334	332	334	343	349	351	354	355	352	350	349	348	348	348	348
Mean	347	345	345	346	349	347	346	346	344	341	337	332	331	336	342	348	352	355	355	354	352	350	348	348	348	348
Mean *	348	348	348	348	350	348	348	349	347	342	336	332	329	336	342	348	352	354	353	352	350	349	347	348	348	348
Mean **	345	341	341	344	348	347	346	346	341	338	337	332	332	337	343	351	354	358	358	359	357	353	349	350	350	350
August																										
43000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1 *	348	348	348	348	350	350	350	349	345	342	339	331	330	333	341	343	344	353	360	358	353	351	348	346	346	346
2	348	343	343	341	347	347	350	351	348	347	342	337	333	333	341	345	350	351	351	350	348	348	349	346	346	346
3	342	344	341	337	343	344	350	350	341	340	334	330	330	336	342	344	350	355	353	352	350	350	350	343	343	343
4 **	341	341	343	346	349	347	346	345	342	336	331	333	334	343	359	373	388	395	398	379	365	361	355	350	350	350
5 **	351	350	352	355	359	359	360	356	351	350	351	341	338	345	354	361	363	369	365	363	360	352	351	346	346	346
6 **	333	338	343	349	347	343	342	341	344	343	341	338	341	354	373	389	391	392	385	378	371	368	354	347	347	347
7 **	349	344	342	347	350	351	348	342	341	332	328	327	331	341	350	361	364	369	369	372	369	360	358	353	353	353
8	352	352	352	353	358	354	354	359	358	352	342	339	340	341	350	356	363	371	372	368	358	353	351	352	352	352
9	348	349	351	352	359	358	357	356	353	353	350	343	341	347	351	360	361	362	362	360	357	353	352	351	351	351
10	351	351	351	351	350	350	351	351	350	350	344	339	339	343	351	359	363	364	363	358	354	354	352	352	352	352
11 *	351	351	353	351	353	353	352	353	352	349	343	341	344	351	354	360	362	362	360	356	352	350	348	348	348	348
12	350	349	349	349	352	349	349	351	345	341	334	331	336	342	344	347	350	353	352	351	351	351	351	351	351	351
13	349	348	345	345	350	348	346	342	339	336	333	329	329	332	343	350	351	350	348	350	350	350	349	349	349	349
14	347	345	341	343	347	347	348	345	342	340	333	333	331	332	340	350	360	372	371	371	364	360	357	356	356	356
15	357	357	356	353	351	350	350	351	351	349	342	341	343	348	353	359	359	353	350	351	350	350	351	351	351	351
16	351	351	351	350	351	348	344	343	345	348	346	340	333	334	341	349	351	351	351	351	350	350	349	350	350	350
17	349	349	349	350	351	351	350	351	349	344	339	332	329	333	341	350	354	357	353	352	351	351	349	343	343	343
18	344	348	349	351	352	351	351	352	352	349	340	337	335	339	344	351	353	357	360	359	357	352	351	351	351	351
19	347	349	349	351	352	351	351	352																		



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

U. T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
September																										
43000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1	345	347	348	350	352	352	355	357	353	351	342	336	335	341	351	357	358	363	363	361	353	351	352	353	353	
2	352	349	346	335	333	337	340	345	342	341	335	338	342	345	354	362	361	362	361	361	355	352	351	350	350	
3	347	350	346	341	345	350	351	349	344	332	327	336	347	351	351	355	357	355	351	352	352	351	350	350	350	
4	341	332	341	344	340	347	351	351	347	338	339	341	343	344	350	356	355	358	360	359	355	351	342	342	342	
5 **	338	333	331	341	346	343	342	340	337	332	336	336	346	360	360	362	370	370	363	360	353	352	352	351	351	
6	345	345	346	349	346	342	348	351	348	343	341	341	345	348	353	356	358	360	360	360	358	353	351	348	348	
7	339	340	342	348	350	351	355	357	350	344	340	335	339	340	342	350	352	351	350	351	350	350	348	347	347	
8	347	348	348	348	349	347	350	354	351	341	330	331	335	340	345	356	360	359	357	354	353	351	351	349	349	
9	349	346	341	341	345	346	349	349	345	342	337	332	332	339	346	350	350	350	350	351	350	350	351	350	350	
10	349	348	348	348	349	348	348	348	343	341	340	338	341	345	350	351	350	350	350	352	351	351	351	351	351	
11 *	350	349	347	347	348	349	351	350	350	350	348	347	342	343	347	348	348	348	349	350	350	350	350	349	349	
12	349	348	347	344	347	344	344	345	343	344	340	338	342	349	353	358	361	358	352	352	351	351	351	350	350	
13 **	342	337	331	328	330	332	339	345	350	349	342	348	350	350	360	365	371	372	369	368	362	360	358	356	356	
14	353	352	352	351	351	351	350	350	349	346	345	343	344	348	350	355	353	351	351	352	352	352	350	351	351	
15 *	351	350	350	350	350	349	350	351	352	350	342	341	342	342	345	350	350	350	351	353	350	350	351	350	350	
16	350	348	343	347	348	348	349	348	348	346	342	341	342	348	358	359	358	355	352	353	352	352	352	352	352	
17	348	348	348	347	342	338	337	334	336	340	333	336	343	348	351	357	356	353	353	354	356	356	354	352	352	
18	350	350	349	346	346	348	349	349	350	349	341	340	342	350	352	358	360	361	366	362	358	352	351	351	351	
19	352	348	349	349	349	349	350	349	347	343	341	338	341	348	353	359	358	356	355	356	353	351	351	351	351	
20	343	344	348	349	350	349	351	352	348	348	345	340	341	344	347	350	349	349	351	352	352	350	346	350	350	
21 *	348	349	350	350	350	349	350	350	347	340	339	334	336	337	340	345	348	346	349	350	350	350	350	350	350	
22	343	343	340	339	344	344	347	348	344	337	332	331	332	335	338	342	347	347	348	350	350	351	352	351	351	
23	351	350	351	351	351	349	350	351	350	349	346	344	342	344	345	351	355	356	360	366	361	360	351	345	345	
24	342	334	342	348	352	353	356	356	354	348	342	336	336	339	341	346	352	352	358	358	353	352	353	353	353	
25 *	352	352	349	348	350	351	352	352	350	344	338	332	331	332	334	342	346	349	349	352	350	351	348	350	350	
26 *	351	351	351	351	350	349	350	351	351	347	342	335	333	334	337	344	347	344	347	350	348	347	348	351	351	
27 **	349	350	346	343	340	340	341	342	342	343	341	334	333	342	348	354	362	371	372	366	366	351	350	352	352	
28	348	350	349	349	340	333	336	338	345	348	348	347	351	352	352	357	358	357	360	364	360	359	354	352	352	
29 **	348	346	342	341	345	345	350	352	351	347	346	342	340	343	349	356	369	384	385	378	377	367	358	360	360	
30 **	352	348	349	353	352	342	328	330	344	349	350	358	363	371	371	376	377	372	372	368	360	360	355	348	348	
Mean	347	346	346	346	346	346	347	348	347	344	340	339	341	345	349	354	357	357	357	357	355	353	351	351	351	
Mean *	350	350	349	349	350	349	351	351	350	346	342	338	337	338	341	346	348	347	349	351	350	350	349	350	350	
Mean **	346	343	340	341	343	340	340	342	345	344	343	344	346	353	358	363	370	374	372	368	364	358	355	353	353	
October																										
43000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1	340	350	354	355	357	354	358	358	358	354	349	351	353	353	355	359	360	356	357	358	359	356	357	355	355	
2	354	352	352	352	352	352	353	353	352	351	349	343	343	342	353	367	372	375	371	368	359	353	353	353	353	
3	352	356	354	352	352	353	348	354	358	360	353	348	347	348	355	366	371	373	365	363	361	359	355	355	355	
4	356	354	352	353	353	352	352	354	355	351	342	343	344	349	355	362	363	362	361	361	362	360	356	353	353	
5 **	353	352	353	353	354	354	353	353	352	348	342	335	332	342	351	362	377	375	382	377	352	354	342	347	347	
6 **	352	353	353	344	349	350	353	360	361	358	356	353	350	348	358	372	380	383	372	371	368	364	361	357	357	
7 †	356	356	358	358	358	358	358	362	361	355	351	347	347	349	356	-	-	-	-	-	-	-	-	-	-	
8 †	-	-	-	-	-	-	-	-	-	-	346	344	343	342	348	352	357	356	357	357	358	356	356	359	359	
9	357	356	354	354	352	354	356	360	358	353	349	343	342	343	346	351	353	352	354	354	356	354	344	338	338	
10	343	348	350	352	352	351	349	351	350	347	346	343	342	344	352	360	362	362	362	359	355	353	354	354	354	
11	353	352	352	352	352	353	352	356	359	360	353	351	350	356	371	370	372	365	362	359	356	357	356	355	355	
12 *	357	357	355	355	354	355	354	353	354	351	342	340	339	341	348	351	353	356	357	355	355	354	354	354	354	
13 *	355	354	353	353	353	352	352	353	357	353	345	341	343	346	352	356	358	356	356	357	357	358	357	356	356	
14	355	354	353	351	351	351	349	350	349	345	339	341	346	347	352	356	357	355	355	355	353	352	352	351	351	
15	353	354	353	352	351	350	348	349	351	347	340	335	335	340	345	351	351	351	351	350	351	350	350	347	347	
16	350	351	351	351	351	351	351	350	348	345	340	333	336	338	341	343	345	345	347	346	346	345	344	346	346	
17	350	351	350	347	347	346	341	343	345	341	337	331	332	333	341	345	348	349	350	348	346	345	345	345	345	
18 *	350	349	349	351	349	347	348	350	351	347	342	341	341	345	351	353	350	350	350	350	350	351	347	346	346	
19 *	347	347	350	350	350	347	346	346	347	341	335	335	339	344	350	351	351	349	348	347	346	347	346	347	347	
20	350	348	350	347	348	349	347	351	351	346	343	344	349	350	352	357	357	358	359	357	356	352	351	350	350	
21	352	351	351	351	352	351	351	350	351	349	343	341	346	347	350	352	354	356	355	354	354	353	355	350	350	
22	350	352	351	351	351	351	350	351	351	351	348	343	344	348	354	360	362	366	367	365	361	358	352	352	352	
23	351	349	348	350	351	351	353	355	354	350	344	342	343	346												

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

U.T.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	24 <sup>h</sup>	
November																										
43000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1	361	359	363	362	352	344	348	353	358	357	355	356	357	359	363	363	365	366	368	367	364	363	361	359	357	358
2	359	359	359	360	361	359	360	358	359	353	349	349	353	364	372	377	373	372	367	365	363	361	359	359	358	358
3 *	359	359	358	359	359	358	357	356	359	356	349	348	349	352	359	362	363	363	361	359	358	357	356	355	355	355
4 **	355	349	350	343	333	327	329	339	348	348	344	348	354	356	363	366	367	366	365	364	366	369	355	355	354	354
5	356	356	354	354	354	354	356	359	359	357	357	354	355	360	364	367	369	368	366	366	366	365	364	363	363	363
6 *	356	358	360	361	362	362	362	363	363	361	356	354	354	356	362	364	365	365	364	363	363	362	359	357	357	357
7 *	358	357	356	357	360	362	362	364	365	363	360	355	355	355	362	364	364	365	363	363	362	362	359	357	357	357
8	356	357	355	355	355	356	354	355	359	360	357	357	355	358	364	371	375	375	374	373	366	364	365	367	367	367
9	352	355	357	361	359	359	359	357	358	356	348	350	354	355	362	358	361	362	360	362	363	363	362	362	362	362
10	361	360	359	358	359	359	359	357	362	359	351	346	352	353	356	357	361	361	361	362	363	362	360	355	355	355
11	355	356	355	356	355	355	355	355	355	354	354	354	354	357	363	363	360	360	359	358	360	359	355	353	353	353
12	354	357	356	356	354	354	352	350	352	351	349	346	346	350	353	358	362	365	385	379	374	370	366	363	363	363
13	360	360	358	358	356	356	356	358	358	356	354	352	353	355	359	360	362	362	364	362	362	360	359	359	359	359
14	357	361	360	361	359	355	355	354	356	354	349	345	346	353	356	357	362	361	359	358	362	360	357	356	356	356
15	355	356	356	356	355	354	353	354	356	355	354	355	362	368	373	374	379	380	377	379	379	372	363	353	353	353
16 **	354	353	342	333	342	346	344	344	352	355	355	357	363	368	372	373	375	382	389	393	389	374	363	362	362	362
17	362	363	363	364	354	353	355	356	358	355	352	353	354	361	365	367	368	364	363	363	363	363	363	363	362	362
18 **	362	363	362	362	360	354	353	353	355	358	357	357	359	361	363	361	364	382	423	431	420	397	385	382	382	382
19 **	381	377	376	374	373	370	370	371	371	366	365	375	384	396	485	511	445	435	415	399	392	388	386	383	383	383
20 **	382	342	346	363	368	367	368	373	371	373	381	384	396	406	407	416	423	427	414	407	394	391	379	363	363	363
21	359	355	358	364	370	373	372	374	374	371	369	371	371	373	374	376	379	376	375	375	374	373	372	372	372	372
22 *	370	371	371	372	372	372	371	371	372	372	371	370	371	372	375	374	375	377	374	373	372	372	371	366	366	366
23 *	370	370	369	369	369	367	366	364	365	364	362	359	357	361	363	364	369	368	367	368	368	370	369	365	365	365
24	366	365	363	363	363	363	363	363	363	362	360	358	361	363	366	369	372	374	375	376	375	372	370	366	366	366
25	366	356	354	357	361	361	362	362	366	367	366	362	362	363	366	369	374	372	369	368	368	366	367	364	364	364
26	363	362	360	361	362	360	358	359	363	362	362	359	361	365	366	364	363	363	362	362	362	362	364	364	364	364
27	359	358	360	361	361	360	360	358	360	361	360	360	362	364	365	364	366	365	364	363	363	363	365	365	363	363
28	362	362	362	362	361	359	355	358	362	360	359	359	362	365	368	367	370	368	364	363	363	365	361	355	355	355
29	362	362	362	362	361	360	359	359	361	360	358	357	359	363	367	368	368	366	363	364	364	365	363	362	362	362
30	363	363	363	363	361	359	357	358	361	362	361	360	361	364	371	370	370	369	367	365	363	361	360	360	360	360
Mean	361	359	359	360	359	358	358	359	361	360	357	357	359	363	370	372	372	373	373	372	370	368	365	362	362	362
Mean *	363	363	363	364	364	364	364	364	365	363	360	357	357	359	364	366	367	368	366	365	365	365	363	360	360	360
Mean **	367	357	355	355	355	353	353	356	359	360	360	364	371	377	398	405	395	398	401	399	392	384	374	369	369	369
December																										
43000 $\gamma$ + Tabular Quantities (in $\gamma$ )																										
1 **	361	362	360	361	360	360	360	360	357	354	355	357	359	364	370	372	383	388	402	410	405	400	372	371	371	371
2	372	371	365	363	361	357	356	356	358	363	362	362	363	370	373	374	374	373	372	371	370	369	368	365	365	365
3	367	368	368	368	368	366	365	364	363	361	356	353	361	365	373	378	376	373	372	372	377	375	369	366	366	366
4	364	364	367	365	365	365	365	365	365	363	360	359	362	365	367	365	369	368	367	366	366	364	363	362	362	362
5	362	362	362	363	363	363	362	362	362	362	358	356	358	359	361	362	364	364	363	363	363	363	363	363	355	355
6 **	359	360	360	359	359	361	360	362	364	363	361	362	360	364	363	365	367	367	367	366	366	372	364	363	363	363
7	363	361	362	361	356	360	363	362	362	359	358	359	358	359	362	364	369	368	365	365	364	364	364	364	363	363
8	363	363	361	362	362	359	360	359	361	361	360	357	357	359	363	365	368	370	368	367	368	369	367	364	364	364
9	362	358	353	357	360	360	360	359	362	359	356	357	356	362	373	372	377	372	369	368	367	367	365	364	364	364
10	365	363	363	362	362	361	359	359	362	362	362	358	359	363	367	369	368	368	369	367	367	365	364	363	363	363
11	362	363	363	362	361	360	359	359	359	362	362	357	357	357	363	365	368	363	363	362	363	363	363	363	363	363
12	364	363	363	362	361	358	358	358	359	358	355	355	354	357	363	365	365	363	363	363	365	367	368	366	366	366
13 *	365	364	363	363	363	361	358	357	359	357	353	352	353	358	362	363	363	364	360	357	357	358	357	357	357	357
14 *	357	359	358	358	358	356	355	353	352	350	348	345	347	349	354	357	360	358	357	356	356	356	354	356	356	356
15	358	35																								



TABLE IV. - DAILY MEAN AND EXTREME VALUES OF MAGNETIC ELEMENTS AS RECORDED BY THE MAGNETOGRAPHS

Date	DECLINATION WEST						HORIZONTAL INTENSITY						VERTICAL INTENSITY					
	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
January	8°+	U. T.	8°+	8°+	U. T.		18000	U. T.	18000	18000	U. T.	Y	43000	U. T.	43000	43000	U. T.	Y
	'	h m	'	'	h m	'	Y +	h m	Y +	Y +	h m	Y	Y +	h m	Y +	Y +	h m	Y
1	47.3	12 6	51.9	43.6	23 33	8.3	734	13 10	744	710	23 30	34	336	23 40	346	325	11 58	21
2	47.7	11 58	51.9	44.6	1 55	7.3	735	14 13	758	705	0 21	53	336	0 57	345	328	15 34	17
3	47.8	11 47	53.0	45.8	23 59	7.2	734	15 48	748	718	10 33	30	338	9 46	346	332	17 33	14
4	47.3	12 10	52.1	42.0	21 29	10.1	731	1 2	762	709	2 43	53	339	21 15	349	328	1 47	21
5	47.2	12 49	51.2	37.3	21 11	13.9	733	21 15	768	718	23 52	50	340	11 23	347	330	17 2	17
6	46.9	13 9	51.1	42.4	19 42	8.7	731	19 53	748	706	19 33	42	338	19 39	348	329	8 10	19
7	47.7	12 48	52.4	44.8	2 58	7.6	730	2 16	745	697	18 44	48	339	19 14	349	328	8 11	21
8	47.6	12 42	51.4	43.1	23 37	8.3	730	23 58	752	714	23 41	38	338	23 57	350	328	11 47	22
9 **	47.3	14 58	54.9	36.7	0 38	18.2	724	8 30	752	658	15 24	94	339	15 55	363	325	7 30	38
10 *	47.3	18 7	50.2	45.4	20 38	4.8	732	8 2	744	719	16 29	25	336	18 32	345	324	10 32	21
11	47.4	14 3	54.9	31.8	22 48	23.1	729	21 54	795	679	13 10	116	336	21 49	351	320	22 15	31
12	46.6	12 52	50.2	31.5	1 34	18.7	730	19 51	752	683	0 34	69	336	0 52	346	324	12 48	22
13	47.4	10 31	50.9	42.8	2 20	8.1	730	9 25	753	709	14 46	44	335	16 30	347	323	8 20	24
14	47.6	15 58	51.2	36.5	18 21	14.7	733	9 9	752	692	18 16	60	336	18 30	355	328	8 5	27
15 *	47.4	14 9	49.8	45.8	21 46	4.0	732	8 32	741	723	14 37	18	336	13 13	342	325	14 10	17
16	47.7	13 20	51.9	42.6	20 57	9.3	735	12 7	756	723	19 37	33	336	20 46	346	329	11 19	17
17 **	48.0	14 26	61.0	41.1	23 36	19.9	726	19 0	796†	588†	14 34	208	341	14 53	372	328	6 7	44
18 **	44.0	1 18	60.4	25.2†	2 5	35.2	697	17 49	753	604	1 42	149	338	17 48	370	255†	1 33	115
19 **	47.6	6 18	64.2†	34.7	21 28	29.5	689	0 23	745	626	9 36	119	341	13 24	388†	297	3 44	91
20 **	45.8	13 43	51.4	37.0	19 50	14.4	711	23 57	754	682	2 30	72	342	20 36	355	324	2 10	31
21	47.2	13 43	51.0	42.8	1 9	8.2	721	0 1	754	705	1 45	49	340	20 36	354	325	0 32	29
22	46.9	13 8	50.1	42.5	1 7	7.6	727	9 7	744	712	1 31	32	340	23 23	352	332	10 19	20
23	46.6	14 4	51.7	34.4	20 37	17.3	725	1 18	757	695	19 21	62	341	20 44	359	331	10 3	28
24 *	47.1	17 4	50.1	44.7	22 57	5.4	727	8 19	736	718	22 39	18	340	1 59	348	326	10 32	22
25 *	47.3	13 8	51.1	45.6	20 36	5.5	729	8 56	742	713	18 58	29	341	18 28	351	332	12 56	19
26 *	46.9	13 24	49.9	45.6	9 10	4.3	733	8 40	741	723	2 42	18	339	0 58	346	329	12 50	17
27	47.1	18 27	52.1	37.2	21 10	14.9	732	12 3	761	675	21 22	86	341	20 37	365	325	12 59	40
28	46.3	18 32	49.1	42.1	2 33	7.0	727	23 20	741	713	8 58	28	340	0 3	347	330	12 56	17
29	46.6	13 27	50.5	37.2	22 43	13.3	729	21 51	752	704	23 32	48	340	21 36	352	330	11 55	22
30	46.9	13 16	50.3	41.9	21 40	8.4	730	21 18	749	714	0 14	35	341	21 5	351	333	15 46	18
31	46.4	13 48	49.8	41.6	22 18	8.2	735	22 6	751	726	21 19	25	339	18 27	346	329	13 47	17
Mean	47.1	-	52.3	40.3	-	12.0	727	-	753	696	-	57.6	339	-	353	324	-	28.4
Mean *	47.2	-	50.2	45.4	-	4.8	731	-	741	719	-	21.6	338	-	346	327	-	19.2
Mean **	46.5	-	58.4	34.9	-	23.4	709	-	760	632	-	128.2	340	-	370	306	-	63.8
February	8°+	U. T.	8°+	8°+	U. T.		18000	U. T.	18000	18000	U. T.	Y	43000	U. T.	43000	43000	U. T.	Y
	'	h m	'	'	h m	'	Y +	h m	Y +	Y +	h m	Y	Y +	h m	Y +	Y +	h m	Y
1 *	46.8	13 38	50.4	43.7	23 42	6.7	738	15 49	750	727	24 0	23	338	23 6	343	329	13 54	14
2 *	46.8	13 29	50.8	42.6	21 17	8.2	730	7 8	753	711	15 52	42	340	21 30	351	331	13 38	20
3	46.8	16 48	51.1	38.3	0 40	12.8	735	0 49	760	718	3 4	42	339	0 41	348	326	8 10	22
4 **	46.1	11 43	53.7	32.5†	20 13	21.2	729	8 48	767	692	21 45	75	339	20 37	360	325	9 41	35
5 **	45.9	13 27	51.4	37.9	18 49	13.5	724	22 14	770	693	18 32	77	340	19 0	355	326	23 3	29
6	46.5	16 28	52.0	40.2	21 32	11.8	727	24 0	750	693	15 32	57	339	21 56	350	325	8 56	25
7	46.2	13 8	52.2	41.1	2 32	11.1	727	0 5	755	687	14 26	68	338	15 7	354	324	9 15	30
8	45.6	12 50	50.2	33.4	20 57	16.8	731	21 57	777	694	16 18	83	339	16 45	359	323	22 32	36
9	46.4	11 3	50.1	42.8	4 49	7.3	729	8 48	747	697	18 36	50	340	19 20	355	328	8 12	27
10 *	46.2	10 39	50.1	43.1	19 50	7.0	730	22 5	745	721	7 46	24	339	20 23	347	330	9 35	17
11	46.2	19 16	51.7	33.3	20 37	18.4	724	14 4	750	659†	21 6	91	344	20 20	376†	329	10 9	47
12	46.2	14 16	50.7	41.7	2 56	9.0	725	21 43	771	698	19 49	73	343	20 5	359	332	11 56	27
13	46.3	13 57	50.8	41.8	2 57	9.0	729	1 51	744	706	15 46	38	340	16 23	355	325	2 7	30
14	46.4	12 42	51.2	38.0	21 27	13.2	730	7 49	751	703	17 28	48	340	21 50	357	329	12 3	28
15	45.4	13 39	49.3	39.0	1 24	10.3	730	0 42	746	707	1 35	39	339	18 27	347	328	6 57	19
16	46.2	14 28	50.4	40.1	19 30	10.3	733	8 31	750	707	18 41	43	341	19 50	354	334	6 52	20
17	45.5	12 20	49.7	39.9	0 47	9.8	734	23 18	753	718	1 19	35	338	21 23	346	328	12 48	18
18	45.9	23 40	49.8	41.6	4 58	8.2	733	7 8	748	697	20 47	51	338	21 35	361	325	12 3	36
19 *	46.1	13 27	50.7	42.8	0 15	7.9	737	13 21	753	715	0 9	38	338	0 57	348	326	12 17	22
20	46.4	13 3	51.9	39.0	19 30	12.9	739	9 50	757	720	15 59	37	337	19 51	351	326	11 27	25
21	45.9	13 28	52.6	40.5	5 50	12.1	735	7 23	763	706	15 59	57	338	16 19	354	324	7 33	30
22 **	45.4	12 46	51.8	37.4	4 30	14.4	733	21 48	762	698	11 30	64	338	16 36	353	325	5 40	28
23 **	46.3	13 47	55.6	35.3	19 10	20.3	727	20 53	784†	674	18 58	110	340	17 22	375	326	10 6	49
24	46.7	13 8	52.7	41.8	20 1	10.9	735	19 57	762	715	17 40	47	337	18 27	354	325	11 54	29
25	46.4	15 3	51.9	41.0	5 18	10.9	733	0 14	762	706	16 18	56	339	16 31	355	327	5 17	28
26	45.7	12 38	50.8	41.2	4 50	9.6	733	4 20	753	715	1 11	38	340	16 7	349	332	13 13	17
27 *	46.2	13 53	51.5	42.7	24 0	8.8	736	22 17	762	720	10 20	42	339	18 45	347			

TABLE IV. - DAILY MEAN AND EXTREME VALUES OF MAGNETIC ELEMENTS AS RECORDED BY THE MAGNETOGRAPHS

Date	DECLINATION WEST						HORIZONTAL INTENSITY						VERTICAL INTENSITY						
	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	
	8°+	U.T.	8°+	8°+	U.T.		18000	U.T.	18000	18000	U.T.	Y	43000	U.T.	43000	43000	U.T.	Y	
	'	h m	'	'	h m		Y +	h m	Y +	Y +	h m	Y	Y +	h m	Y +	Y +	h m	Y	
March																			
1 *	45.9	12 46	50.8	43.5	23 57	7.3	730	7 1	738	720	18 18	18	344	19 23	353	337	11 15	16	
2 *	45.9	13 42	50.0	43.5	3 9	6.5	737	8 42	747	728	16 30	19	339	18 28	346	332	13 57	14	
3 *	46.3	13 42	50.3	44.3	8 47	6.0	740	7 57	754	732	11 36	22	339	16 43	345	331	11 0	14	
4 *	46.1	13 32	50.8	41.5	24 0	9.3	738	18 31	754	719	21 40	35	338	21 53	349	328	13 5	21	
5	44.9	13 3	51.6	37.9	21 10	13.7	732	22 0	753	703	22 31	50	338	21 28	351	325	11 55	26	
6	45.4	13 26	52.6	41.2	1 57	11.4	729	2 22	763	703	20 54	60	340	20 56	351	332	9 4	19	
7 **	43.8	13 7	50.7	29.8	20 7	20.9	730	20 12	861†	687	21 17	174	338	20 12	371	321	11 3	50	
8	44.6	13 50	51.2	30.8	18 2	20.4	726	22 28	754	695	17 35	59	342	18 6	363	330	22 58	33	
9 **	46.4	15 28	56.7	24.9†	18 20	31.8	719	0 9	756	661	20 18	95	349	18 23	398	325	11 7	73	
10	45.5	13 40	52.7	37.2	20 18	15.5	721	20 23	747	692	18 22	55	348	14 23	364	335	11 12	29	
11	45.9	12 10	53.3	38.1	16 51	15.2	726	21 53	746	691	12 34	55	342	17 13	362	323	11 55	39	
12	45.8	3 12	52.6	40.7	16 49	11.9	727	20 57	766	692	16 31	74	343	17 7	364	328	11 6	36	
13	45.3	12 39	51.8	32.7	20 25	19.1	726	20 33	758	705	20 0	53	346	20 28	362	332	11 27	30	
14	45.0	0 27	51.8	32.5	18 10	19.3	727	18 29	757	692	17 57	65	346	18 29	364	332	0 53	32	
15	45.7	12 22	52.0	38.2	1 42	13.8	729	1 6	752	699	21 3	53	341	20 39	359	324	8 48	35	
16	44.5	13 42	50.8	34.7	21 10	16.1	727	13 41	741	701	3 43	40	344	17 19	356	334	13 5	22	
17	45.9	12 43	49.6	40.0	0 2	9.6	732	21 9	758	705	15 10	53	339	17 39	354	321	8 58	33	
18	45.5	13 39	52.6	31.4	17 13	21.2	731	20 30	766	686	16 52	80	344	17 39	376	321	12 16	55	
19	45.5	13 27	50.5	40.2	20 34	10.3	733	0 50	748	723	20 18	25	340	20 35	354	320	12 15	34	
20	45.6	13 19	51.6	37.0	23 59	14.6	738	23 27	766	728	0 50	38	340	0 22	349	328	11 59	21	
21	44.9	13 57	50.8	36.4	0 4	14.4	740	0 10	757	722	1 6	35	339	21 39	352	324	11 59	28	
22 **	46.7	14 57	60.3†	33.6	18 5	26.7	719	9 51	761	650†	17 42	111	359	15 40	479†	319	10 17	160	
23	45.2	14 0	53.7	25.9	21 13	27.8	724	15 56	757	689	19 38	68	354	20 19	389	338	12 58	51	
24	45.5	14 22	52.7	38.8	4 4	13.9	724	1 31	747	697	9 28	50	345	17 38	359	328	12 14	31	
25	45.6	13 43	52.6	39.0	20 48	13.6	728	22 7	746	704	10 56	42	349	17 19	368	332	10 56	36	
26	47.5	13 59	56.4	44.0	4 47	12.4	734	21 53	758	697	14 17	61	345	14 53	359	324	11 15	35	
27	46.2	14 23	56.3	40.8	8 50	15.5	734	23 29	753	690	11 3	63	343	17 36	354	325	13 35	29	
28	45.7	13 22	52.0	41.6	23 58	10.4	735	19 32	752	714	11 17	38	342	7 49	354	326	11 16	28	
29 *	45.4	13 43	51.0	41.6	0 1	9.4	737	7 3	748	718	10 28	30	340	7 38	350	320	12 41	30	
30 **	45.5	14 32	53.9	27.1	21 14	26.8	743	21 30	841	705	19 27	136	337	19 50	363	303	11 59	60	
31 **	44.8	7 50	57.9	30.8	3 33	27.1	718	21 42	796	652	7 29	144	340	15 50	381	292†	2 38	89	
Mean	45.6	-	52.6	36.8	-	15.9	730	-	761	700	-	61.3	343	-	364	325	-	39.0	
Mean *	45.9	-	50.6	42.9	-	7.7	736	-	748	723	-	24.8	340	-	349	330	-	19.0	
Mean **	45.4	-	55.9	29.2	-	26.7	726	-	803	671	-	132.0	345	-	398	312	-	86.4	
April																			
1	44.6	12 12	51.2	28.0	21 22	23.2	725	21 34	805	701	11 20	104	344	17 19	355	328	22 28	27	
2	45.7	13 34	55.7	37.8	21 45	17.9	724	22 0	762	692	18 40	70	348	17 46	384	321	12 3	63	
3	46.4	14 31	54.9	41.1	8 30	13.8	726	21 39	750	699	10 35	51	346	16 50	368	326	11 50	42	
4	45.2	13 3	52.0	35.1	19 1	16.9	732	23 31	781	697	17 58	84	346	19 9	368	327	9 57	41	
5 **	45.4	13 53	54.9	34.4	0 38	20.5	731	19 39	782	684	13 57	98	343	19 23	361	324	11 4	37	
6	45.1	14 29	53.9	35.2	21 37	18.7	732	21 32	768	699	11 12	69	340	16 21	355	324	12 53	31	
7 **	45.4	13 28	53.9	39.0	18 56	14.9	730	18 58	764	678	10 25	86	338	19 13	354	322	1 32	32	
8	45.9	13 37	51.3	39.7	21 24	11.6	733	0 8	753	713	11 34	40	341	18 43	354	323	12 2	31	
9	45.2	13 28	50.3	39.8	22 41	10.5	739	22 16	778	718	10 18	60	341	17 28	350	319	12 2	31	
10	46.0	12 49	57.4†	41.2	21 15	16.2	733	7 51	747	700	13 1	47	343	18 10	363	318	11 34	45	
11	45.9	13 29	52.7	41.9	3 5	10.8	737	21 15	752	724	13 53	28	343	17 43	358	332	11 40	26	
12	43.8	11 7	49.5	36.6	21 43	12.9	733	6 41	755	704	22 10	51	342	21 56	358	324	11 6	34	
13	44.5	12 56	51.0	35.5	3 50	15.5	740	23 11	779	720	10 27	59	340	22 26	358	324	11 4	34	
14	45.8	13 43	50.9	41.1	1 40	9.8	737	7 10	753	715	11 53	38	340	18 30	350	323	11 41	27	
15	45.5	13 32	51.1	41.8	7 55	9.3	744	7 57	758	719	16 23	39	339	18 30	350	317	12 15	33	
16 *	45.7	13 7	53.8	41.5	8 46	12.3	747	19 49	763	735	11 29	28	339	19 50	350	321	12 11	29	
17 *	45.6	12 48	52.2	42.1	6 56	10.1	743	19 57	767	714	12 12	53	341	17 13	350	329	11 54	21	
18 *	45.4	12 50	51.3	41.9	8 46	9.4	745	19 34	758	732	14 32	26	341	16 54	354	328	12 5	26	
19 *	45.6	13 14	51.3	42.1	6 58	9.2	750	22 6	769	737	14 13	32	336	0 0	346	317	11 31	29	
20	45.2	13 27	52.1	40.1	6 1	12.0	742	0 8	767	724	16 33	43	341	17 30	355	323	12 14	32	
21	45.7	13 31	54.6	40.6	7 23	14.0	741	16 51	767	713	14 2	54	340	16 51	355	315	11 49	40	
22	45.0	13 23	52.1	38.4	8 9	13.7	741	20 11	776	713	11 16	63	336	17 29	346	320	12 57	26	
23 *	44.9	13 30	51.1	41.4	7 1	9.7	741	22 32	753	723	10 34	30	337	22 12	346	307	11 31	39	
24	44.3	13 18	55.6	31.8	23 35	23.8	740	17 17	778	693	19 2	85	343	18 38	385†	314	11 35	71	
25	43.9	12 34	52.1	37.8	20 18	14.3	732	19 19	775	714	10 56	61	343	18 38	367	325	12 30	42	
26	43.8	11 43	51.2	35.5	2 13	15.7	732	0 26	779	696	11 12	83	338	18 53	359	317	11 3	42	
27 **	42.1	18 52	55.0	16.9†	20 16	38.1	727	16 27	808†	628†	22 12	180	339	19 43	385	285	22 20	100	
28 **	43.4	21 6																	

TABLE IV. - DAILY MEAN AND EXTREME VALUES OF MAGNETIC ELEMENTS AS RECORDED BY THE MAGNETOGRAPHS

Date	DECLINATION WEST						HORIZONTAL INTENSITY						VERTICAL INTENSITY					
	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
	8°+	U. T.	8°+	8°+	U. T.		18000	U. T.	18000	18000	U. T.	Y	43000	U. T.	43000	43000	U. T.	Y
	'	h m	'	'	h m		Y +	h m	Y +	Y +	h m	Y	Y +	h m	Y +	Y +	h m	Y
May 1	43.8	12 33	48.2	40.0	7 55	8.2	729	21 31	758	714	10 22	44	344	19 23	355	324	12 3	31
2	44.6	12 49	50.5	39.3	7 25	11.2	736	19 37	756	718	15 19	38	344	22 33	354	324	11 46	30
3	45.0	13 29	49.2	40.1	6 56	9.1	742	15 47	763	722	8 29	41	342	18 26	355	319	11 57	36
4	44.9	12 47	51.8	40.0	22 20	11.8	738	12 45	763	721	9 24	42	343	20 42	358	324	11 51	34
5	45.1	13 42	52.8	40.5	4 30	12.3	745	22 16	781	713	16 10	68	342	16 44	354	320	12 9	34
6 **	43.9	13 59	58.4†	31.6	23 40	26.8	729	18 46	777	653	13 14	124	343	22 34	368	309	12 4	59
7 **	43.4	13 32	53.4	31.5	0 22	21.9	728	1 3	791	669	9 10	122	335	19 36	359	311	8 58	48
8 **	44.0	15 9	52.8	34.4	0 11	18.4	727	18 46	787	688	9 12	99	341	18 43	385†	317	5 46	68
9	44.6	13 22	51.0	39.3	7 29	11.7	733	18 9	768	704	10 5	64	347	17 30	365	326	11 21	39
10	44.3	14 2	49.4	39.2	8 46	10.2	732	17 22	765	695	11 19	70	345	17 23	360	323	11 28	37
11	43.9	14 53	48.6	39.2	8 10	9.4	734	18 52	759	708	10 56	51	347	17 25	356	329	11 52	27
12	44.0	14 29	51.1	37.9	7 23	13.2	736	21 51	787	709	3 37	78	346	19 18	364	329	9 54	35
13	45.4	12 43	53.7	39.3	1 53	14.4	745	16 46	774	714	9 27	60	342	18 43	360	317	12 48	43
14	45.3	13 3	52.2	41.1	5 9	11.1	738	0 1	765	691	11 16	74	346	17 16	364	334	13 20	30
15	44.6	15 2	49.2	39.6	8 50	9.6	739	23 57	777	713	13 20	64	345	18 49	356	330	12 49	26
16	44.5	13 36	50.3	36.6	2 20	13.7	740	0 23	792	700	10 57	92	342	18 10	360	307	3 50	53
17 *	44.3	14 2	49.4	38.3	7 25	11.1	739	23 59	770	713	11 21	57	347	7 1	360	329	12 3	31
18	44.1	13 32	48.6	37.4	7 55	11.2	745	0 0	769	726	10 40	43	341	5 12	353	320	11 19	33
19 *	45.0	12 49	51.9	38.9	6 34	13.0	744	19 5	759	718	9 17	41	343	5 10	355	324	10 3	31
20	44.6	14 13	50.1	38.8	7 17	11.3	750	18 40	769	733	11 37	36	337	18 11	352	309	10 54	43
21 *	44.8	13 59	51.2	39.8	7 9	11.4	748	14 7	761	726	9 17	35	340	16 28	353	312	11 59	41
22	44.5	14 53	49.5	37.7	7 18	11.8	748	18 2	768	725	9 28	43	340	17 43	351	321	11 9	30
23 *	44.7	13 48	50.2	38.3	7 44	11.9	752	15 46	769	733	14 33	36	338	4 33	348	313	12 3	35
24 *	45.0	13 32	52.0	39.4	8 40	12.6	749	18 49	767	730	10 21	37	341	16 43	356	316	12 15	40
25 **	43.6	17 29	55.7	23.5†	23 3	32.2	751	18 37	883†	674	23 28	209	339	21 9	362	290	23 28	72
26 **	42.8	14 3	49.4	25.4	0 4	24.0	709	18 20	752	634†	9 42	118	342	16 43	372	273†	0 50	99
27	44.0	15 14	54.0	35.1	19 32	18.9	733	15 46	801	696	13 23	105	351	15 46	378	325	11 52	53
28	44.1	13 45	50.3	38.1	1 9	12.2	726	23 33	761	682	11 18	79	346	15 19	368	325	11 17	43
29	43.6	14 9	49.9	37.4	8 12	12.5	729	21 19	755	699	9 19	56	348	17 10	360	338	11 20	22
30	44.0	12 41	49.4	39.0	6 51	10.4	735	18 11	761	710	8 12	51	348	20 36	360	330	12 41	30
31	44.2	13 57	51.8	37.1	5 46	14.7	740	23 19	760	718	10 20	42	343	18 26	352	325	13 31	27
Mean	44.3	-	51.2	37.2	-	13.9	738	-	773	705	-	68.3	343	-	360	319	-	40.6
Mean *	44.8	-	50.9	38.9	-	12.0	746	-	765	724	-	41.2	342	-	354	319	-	35.6
Mean **	43.5	-	53.9	29.3	-	24.7	729	-	798	664	-	134.4	340	-	369	300	-	69.2
June 1	44.1	14 20	52.1	36.4	5 46	15.7	744	16 18	772	713	10 54	59	343	17 40	361	331	11 14	30
2	44.4	13 17	51.8	38.2	5 50	13.6	740	15 11	761	712	8 58	49	343	16 51	352	320	11 24	32
3	44.6	13 17	51.9	37.0	5 59	14.9	745	17 51	774	722	10 1	52	346	17 41	355	329	13 18	26
4	44.3	12 46	52.8	37.5	5 59	15.3	742	17 9	764	717	10 10	47	345	20 29	356	325	11 23	31
5 *	43.6	14 55	51.0	36.7	7 50	14.3	740	17 33	774	716	9 55	58	345	17 36	363	326	11 16	37
6	43.4	13 49	50.3	35.6	23 12	14.7	744	17 53	788	717	13 20	71	349	19 21	373	326	11 23	47
7	43.4	12 25	51.8	35.6	5 59	16.2	744	23 11	782	708	9 16	74	345	15 33	358	330	12 31	28
8 **	44.6	15 28	56.9†	34.7	7 1	22.2	741	17 2	791†	687†	15 51	104	344	17 1	386†	317†	5 7	69
9	44.7	14 40	51.8	38.3	7 48	13.5	737	8 58	771	704	10 51	67	347	6 57	356	329	11 17	27
10 *	43.2	13 18	48.6	36.7	7 6	11.9	739	5 18	753	708	10 54	45	345	19 20	357	320	11 23	37
11	44.2	13 56	50.4	39.1	7 3	11.3	746	22 20	784	722	12 23	62	347	17 43	363	329	11 39	34
12	43.8	5 37	47.3	40.2	9 10	7.1	746	0 5	767	709	12 10	58	349	17 6	360	338	12 13	22
13	44.2	13 25	50.3	39.1	7 8	11.2	743	22 46	775	703	14 19	72	349	17 31	368	334	11 19	34
14	44.1	14 49	50.3	36.4	7 31	13.9	746	5 10	776	705	15 6	71	351	19 19	369	333	10 23	36
15 **	44.3	13 41	50.8	36.4	5 50	14.4	742	22 48	780	693	11 37	87	350	18 37	370	330	3 26	40
16 **	43.9	12 53	49.5	36.6	6 42	12.9	741	0 7	779	694	10 22	85	346	20 11	361	325	2 3	36
17	43.9	14 22	50.5	38.1	7 41	12.4	743	22 48	778	695	11 2	83	350	16 59	370	327	11 32	43
18	43.7	14 41	48.5	35.7	7 12	12.8	746	19 38	765	714	9 53	51	347	19 32	361	327	12 33	34
19	44.1	2 48	50.5	38.4	5 51	12.1	749	2 50	775	727	13 29	48	349	17 47	361	331	11 28	30
20	44.1	14 12	52.0	36.5	7 50	15.5	746	16 41	786	712	9 17	74	346	17 1	361	321	11 29	40
21 *	43.6	12 39	50.3	37.1	7 57	13.2	747	19 12	771	713	10 22	58	347	17 13	364	330	11 32	34
22	44.1	15 31	51.4	38.4	7 58	13.0	757	18 50	790	731	9 35	59	344	18 43	361	317†	11 48	44
23 **	43.5	14 40	52.1	32.1	23 58	20.0	753	0 13	790	716	24 0	74	343	19 32	362	322	12 56	40
24 **	42.0	14 10	53.1	30.2†	2 32	22.9	738	20 41	778	704	8 20	74	340	18 11	361	319	12 8	42
25	44.5	14 53	51.6	37.7	6 43	13.9	738	19 34	776	691	11 28	85	347	19 35	371	327	11 31	44
26 *	43.5	14 24	48.7	38.5	5 43	10.2	741	22 17	765	704	11 30	61	346	19 33	364	328	11 17	36
27	44.0	16 19	47.8	38.6	6 24	9.2	745	18 41	765	727	10 20	38	347	19 10	357	335	9 56	22
28	44.5	13 23	50.8	40.3	5 14	10.5	746	23 4	774	717	10 29	57	343	19 12	356	326	11 16	30
29	42.7	14 12	47.1	37.5	6 55	9.6	751	18 51	774	730	11 1	44	346	19 19	356	332	11 56	24
30 *	43.7	14 2	49.6	38.7	1 39	10.9	750	0 28	765	724	10 4	41	344	17 27	361	327	12 48	34
Mean	43.9	-	50.7	37.1	-	13.6	744	-	775	711	-	63.6	346	-	362	327	-	35.4
Mean *	43.5	-	49.6	37.5	-	12.1	743	-	766	713	-	52.6	345	-	362	326	-	35.6
Mean **	43.7	-	52.5	34.0	-	18.5	743	-	784	699	-	84.8	345	-	368	323	-	45.4

\* International Quiet Day. \*\* International Disturbed Day.

† Indicates extreme monthly value.

TABLE IV. - DAILY MEAN AND EXTREME VALUES OF MAGNETIC ELEMENTS AS RECORDED BY THE MAGNETOGRAPHS

Date	DECLINATION WEST						HORIZONTAL INTENSITY						VERTICAL INTENSITY					
	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
July	8°+	U. T.	8°+	8°+	U. T.		18000	U. T.	18000	18000	U. T.		43000	U. T.	43000	43000	U. T.	
	'	h m	'	'	h m	'	Y +	h m	Y +	Y +	h m	Y	Y +	h m	Y +	Y +	h m	Y
1	43.5	14 5	49.8	37.0	8 10	12.8	755	18 56	773	739	12 40	34	341	20 39	352	322	11 35	30
2 **	43.0	13 54	54.8†	29.4†	20 56	25.4	755	17 6	819†	713	21 54	106	340	19 31	369	313	11 52	56
3	43.1	14 24	49.7	37.4	7 56	12.3	737	20 36	761	713	13 3	48	346	18 35	361	328	11 59	33
4 *	43.2	14 28	50.8	37.1	6 53	13.7	742	20 2	757	719	12 38	38	347	17 35	357	328	12 38	29
5 *	43.5	15 9	51.5	37.2	7 46	14.3	743	20 31	765	717	10 15	48	349	17 28	362	335	9 59	27
6	45.0	15 31	52.8	38.9	5 15	13.9	753	21 8	795	724	9 11	71	347	18 5	361	337	11 56	24
7	43.4	14 11	50.9	37.7	7 46	13.2	748	3 32	782	709	12 11	73	344	17 44	368	324	12 8	44
8	43.6	13 25	50.3	37.2	7 51	13.1	749	16 42	799	717	13 18	82	347	18 9	367	322	11 55	45
9	43.4	12 38	50.7	37.7	6 37	13.0	748	4 12	762	720	12 22	42	346	17 11	361	326	10 56	35
10	44.1	15 56	51.2	38.0	7 7	13.2	745	15 55	766	706	12 9	60	349	18 25	376	324	12 3	52
11 **	43.6	12 51	50.5	36.6	5 46	13.9	744	16 34	788	680†	9 45	108	348	16 35	363	334	12 25	29
12 **	43.3	0 35	53.2	38.1	23 34	15.1	737	0 46	805	704	11 12	101	353	17 28	387†	313	1 18	74
13	43.6	15 42	50.1	37.9	7 26	12.2	745	19 33	765	712	13 12	53	352	17 25	369	339	1 30	30
14	43.3	14 5	48.3	38.7	4 55	9.6	749	19 1	769	729	9 55	40	351	18 35	365	334	11 32	31
15 **	43.5	14 24	50.6	37.5	7 47	13.1	754	15 22	795	718	14 52	77	348	15 25	364	323	12 18	41
16	43.4	13 8	48.8	37.5	8 47	11.3	748	19 21	778	713	12 12	65	346	17 28	363	330	12 16	33
17	43.3	14 20	48.6	37.7	6 44	10.9	749	20 1	774	717	10 5	57	347	17 44	359	326	12 42	33
18	43.6	12 50	50.6	40.1	7 45	10.5	748	19 24	765	724	12 40	41	349	18 15	366	332	10 8	34
19 *	44.0	13 6	51.7	38.2	7 9	13.5	748	14 5	762	719	8 40	43	345	17 28	357	320	12 16	37
20	43.3	12 59	48.6	39.2	7 48	9.4	754	19 3	778	737	9 15	41	344	17 28	362	311†	11 45	51
21 *	43.4	12 49	51.0	38.2	6 55	12.8	749	21 51	781	720	10 21	61	347	17 32	361	325	11 39	36
22	43.5	14 11	50.8	38.3	7 44	12.5	749	16 51	767	726	8 55	41	346	17 26	357	330	12 39	27
23	43.1	13 8	50.6	36.8	24 0	13.8	751	19 5	785	723	10 19	62	344	18 19	358	322	12 40	36
24	42.6	14 25	49.7	35.9	7 6	13.8	751	3 41	781	718	11 46	63	342	19 36	354	318	12 48	36
25	43.5	14 30	50.9	38.8	5 30	12.1	749	20 42	770	712	10 49	58	343	17 44	353	327	11 59	26
26 **	43.0	13 40	52.0	37.6	20 50	14.4	756	21 21	789	708	13 1	81	342	21 19	358	321	13 4	37
27	43.2	14 28	49.7	37.1	7 48	12.6	750	20 5	777	720	11 38	57	341	19 20	353	319	11 40	34
28 *	42.7	14 56	49.7	37.2	7 50	12.5	751	23 6	768	726	10 34	42	343	18 20	357	318	12 28	39
29	43.6	13 42	51.5	38.5	20 38	13.0	754	23 0	785	729	11 40	56	345	16 30	355	328	12 5	27
30	43.1	14 5	51.5	37.1	6 36	14.4	750	20 9	775	720	12 48	55	341	18 12	351	319	13 5	32
31	43.6	13 2	52.0	37.2	5 39	14.8	746	1 26	778	716	13 31	62	345	18 21	360	331	12 4	29
Mean	43.4	-	50.7	37.5	-	13.3	749	-	778	718	-	60.2	346	-	361	325	-	36.4
Mean *	43.4	-	50.9	37.6	-	13.4	747	-	767	720	-	46.4	346	-	359	325	-	33.6
Mean **	43.3	-	52.2	35.8	-	16.4	749	-	799	705	-	94.6	346	-	368	321	-	47.4
August	8°+	U. T.	8°+	8°+	U. T.		18000	U. T.	18000	18000	U. T.		43000	U. T.	43000	43000	U. T.	
	'	h m	'	'	h m	'	Y +	h m	Y +	Y +	h m	Y	Y +	h m	Y +	Y +	h m	Y
1 *	43.2	13 30	49.2	38.3	7 24	10.9	750	17 8	774	725	10 39	49	346	18 19	364	323	11 51	41
2	42.8	14 29	49.3	37.9	5 45	11.4	754	19 35	777	729	9 37	48	345	7 41	355	331	13 33	24
3	43.3	14 31	52.3	36.3	0 45	16.0	751	23 19	790	725	9 10	65	344	17 15	362	323	11 53	39
4 **	43.3	14 11	56.9†	32.5	22 4	24.4	737	5 33	774	664†	12 11	110	354	18 18	405†	324	10 31	81
5 **	43.0	13 25	49.7	30.7†	20 34	19.0	737	23 28	794	693	11 52	101	354	16 59	373	334	12 2	39
6 **	44.0	14 3	54.5	31.4	22 20	23.1	738	17 3	812†	694	12 39	118	356	17 4	403	331	0 12	72
7 **	41.9	13 18	53.6	33.9	2 33	19.7	729	20 51	784	684	11 20	100	350	19 59	378	319†	11 11	59
8	42.8	13 5	50.5	37.2	8 19	13.3	737	18 12	763	698	10 28	65	354	18 14	380	333	11 55	47
9	42.9	12 38	49.7	38.5	7 18	11.2	738	20 22	770	703	11 35	67	354	18 14	367	336	12 41	31
10	43.3	12 45	50.6	38.7	7 19	11.9	747	19 19	764	725	9 30	39	352	17 28	369	334	11 54	35
11 *	42.7	13 3	48.0	38.4	6 27	9.6	749	19 58	773	729	11 18	44	352	16 44	366	336	11 31	30
12	42.8	13 3	47.8	37.1	6 39	10.7	753	18 50	772	731	12 32	41	347	17 27	358	328	11 46	30
13	43.1	12 49	49.1	37.6	23 59	11.5	754	22 48	778	724	9 40	54	344	17 10	353	323	12 18	30
14	42.6	13 52	49.1	36.8	20 41	12.3	753	22 49	778	733	18 12	45	349	19 19	380	327	13 3	53
15	42.2	12 40	49.9	37.1	1 48	12.8	748	3 25	784	724	8 1	60	351	0 59	361	337	11 54	24
16	42.9	13 30	48.7	39.5	7 59	9.2	746	19 22	765	726	12 53	39	347	4 45	355	329	12 56	26
17	43.2	13 58	52.0	37.9	7 42	14.1	747	22 58	772	715	9 20	57	347	17 18	362	323	12 21	39
18	43.2	14 52	49.7	38.7	23 21	11.0	748	21 25	765	727	11 10	38	349	19 20	365	334	12 21	31
19	42.8	12 28	49.9	37.6	21 36	12.3	748	16 54	763	724	10 52	39	348	16 45	358	323	12 11	35
20	42.7	13 5	49.7	37.0	7 12	12.7	746	18 6	768	717	10 41	51	347	16 37	360	322	11 38	38
21	43.0	12 59	49.7	38.2	7 6	11.5	749	0 29	775	732	11 15	43	349	15 52	364	331	11 43	33
22 *	43.2	12 40	50.6	38.4	6 38	12.2	751	19 20	768	730	8 29	38	348	16 21	356	329	12 25	27
23 *	43.3	13 29	51.5	39.2	6 26	12.3	753	18 48	769	737	8 34	32	347	16 26	357	328	12 41	29
24	43.1	13 33	49.6	37.8	7 10	11.8	754	19 48	780	727	12 1	53	346	19 15	355	334	11 18	21
25 *	42.9	12 41	49.6	38.3	6 35	11.3	756	19 2	769	743	11 20	26	347	19 15	356	334	12 30	22
26	42.4	13 48	48.8	37.6	7 20	11.2	753	20 35	768	733	7 52	35	345	17 39	353	327	11 56	26
27	43.0	11 50	48.1	39.4	5 30	8.7	755	21 4	781	737	7 35							

TABLE IV. - DAILY MEAN AND EXTREME VALUES OF MAGNETIC ELEMENTS AS RECORDED BY THE MAGNETOGRAPHS

Date	DECLINATION WEST						HORIZONTAL INTENSITY						VERTICAL INTENSITY					
	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
September	8°+	U. T.	8°+	8°+	U. T.		18000	U. T.	18000	18000	U. T.	Y	43000	U. T.	43000	43000	U. T.	Y
	'	h m	'	'	h m	'	Y +	h m	Y +	Y +	h m	Y	Y +	h m	Y +	Y +	h m	Y
1	42.0	14 12	50.4	29.2	19 50	21.2	743	19 54	785	714	8 45	71	351	17 27	366	333	12 53	33
2	43.0	11 48	51.3	36.8	4 27	14.5	739	3 36	779	687	11 21	92	348	17 38	368	331	3 56	37
3	42.6	11 55	53.0	37.3	7 50	15.7	737	20 58	763	678	10 53	85	348	16 42	362	322†	10 12	40
4	42.2	12 45	51.2	31.9	21 25	19.3	739	0 32	813†	679	10 2	134	347	18 36	362	329	1 3	33
5 **	42.5	12 12	50.4	35.8	0 14	14.6	734	0 22	774	683	9 37	91	348	17 4	375	327	2 7	48
6	42.1	12 58	47.5	34.3	19 36	13.2	735	23 47	766	696	10 59	70	350	17 35	366	339	10 35	27
7	42.1	13 22	49.8	37.1	7 51	12.7	736	20 35	757	690	9 41	67	347	6 59	361	334	11 47	27
8	42.8	13 59	51.1	38.5	8 15	12.6	741	23 13	769	713	10 52	56	348	16 39	365	325	10 49	40
9	41.9	13 5	47.7	37.3	8 29	10.4	741	19 56	757	715	10 21	42	345	16 19	356	330	12 8	26
10	42.4	12 14	48.4	39.9	6 37	8.5	742	5 49	752	717	9 32	35	348	15 11	357	334	11 32	23
11 *	41.9	13 5	47.7	37.5	7 52	10.2	745	18 55	765	721	11 28	44	348	19 19	354	340	12 25	14
12	41.9	13 5	50.4	32.9	23 53	17.5	741	24 0	782	700	11 21	82	348	16 20	365	334	11 25	31
13 **	41.7	13 30	48.6	34.8	0 0	13.8	732	0 4	785	683	10 40	102	351	16 43	378	326	3 42	52
14	42.4	13 25	49.6	39.2	5 26	10.4	735	19 4	752	704	11 13	48	350	15 27	357	340	11 14	17
15 *	42.1	13 8	47.6	36.7	19 7	10.9	744	23 7	759	726	10 11	33	349	19 33	357	339	11 9	18
16	42.4	13 31	49.9	36.6	23 12	13.3	741	23 58	767	702	11 7	65	350	16 20	361	339	12 15	22
17	42.6	11 51	49.4	36.9	22 36	12.5	740	5 14	774	715	13 35	59	347	21 29	359	331	11 12	28
18	42.4	13 2	49.5	38.5	4 30	11.0	737	2 29	757	708	9 28	49	351	18 46	369	339	11 34	30
19	42.1	14 4	49.4	37.2	7 42	12.2	739	23 56	766	700	11 35	66	350	15 27	361	334	11 40	27
20	42.4	12 39	48.5	35.7	0 18	12.8	748	0 5	767	714	9 18	53	348	6 49	356	335	11 56	21
21 *	42.1	13 23	48.1	37.5	8 14	10.6	744	24 0	769	720	10 13	49	346	7 13	356	330	11 49	26
22	41.8	12 42	47.9	33.0	2 54	14.9	750	2 30	778	724	12 19	54	343	22 9	355	328	12 17	27
23	41.9	13 4	48.7	36.7	20 49	12.0	741	4 43	765	708	11 11	57	351	19 32	370	339	13 16	31
24	41.8	12 44	47.8	37.3	0 6	10.5	744	1 2	774	721	9 39	53	348	18 33	361	332	1 11	29
25 *	42.1	13 32	46.2	38.9	8 28	7.3	745	21 42	768	726	10 40	42	346	19 20	355	328	12 3	27
26 *	42.0	12 44	45.8	38.4	9 2	7.4	750	20 32	765	731	11 13	34	346	23 9	354	328	11 56	26
27 **	41.2	13 11	49.4	28.9	18 36	20.5	746	21 9	800	693	18 25	107	349	18 40	380	328	11 54	52
28	41.5	13 58	47.6	30.0	18 57	17.6	739	5 29	772	713	14 7	59	350	19 10	368	332	5 48	36
29 **	40.7	15 32	49.4	29.9	22 55	19.5	737	2 18	765	693	16 38	72	355	17 59	400†	336	2 45	64
30 **	41.0	6 11	62.1†	28.4†	20 10	33.7	725	23 47	787	656†	11 48	131	356	16 43	384	324	7 15	60
Mean	42.1	-	49.5	35.4	-	14.0	740	-	771	704	-	66.7	349	-	365	332	-	32.4
Mean *	42.0	-	47.1	37.8	-	9.3	746	-	765	725	-	40.4	347	-	355	333	-	22.2
Mean **	41.4	-	52.0	31.6	-	20.4	735	-	782	682	-	100.6	352	-	383	328	-	55.2
October	8°+	U. T.	8°+	8°+	U. T.		18000	U. T.	18000	18000	U. T.	Y	43000	U. T.	43000	43000	U. T.	Y
	'	h m	'	'	h m	'	Y +	h m	Y +	Y +	h m	Y	Y +	h m	Y +	Y +	h m	Y
1	41.6	13 59	48.4	37.4	9 18	11.0	731	0 0	764	683	10 38	81	355	16 10	362	337	0 9	25
2	41.3	14 4	49.8	29.0	19 46	20.8	733	19 58	783	696	17 2	87	355	17 27	381	337	13 24	44
3	42.8	13 39	48.5	36.5	16 49	12.0	734	5 35	759	700	11 41	59	357	17 16	380	343	6 18	37
4	42.2	13 42	49.4	36.4	8 54	13.0	734	6 6	762	684	10 34	78	354	16 44	367	340	10 33	27
5 **	40.1	13 13	50.3	21.9	22 25	28.4	730	19 43	851†	684	20 22	167	354	18 23	389	328	12 3	61
6 **	42.0	2 48	50.4	35.6	17 4	14.8	723	4 4	752	671	9 44	81	359	17 10	389	342	3 18	47
7	42.1	13 28	50.8	36.5	9 12	14.3	730	-	-	-	-	-	-	-	-	-	-	-
8	42.1	12 46	47.7	36.5	8 44	11.2	741	20 27	770	715	11 34	55	-	-	-	-	-	-
9	41.3	14 2	47.5	33.3	21 58	14.2	744	21 51	791	713	11 15	78	351	7 43	362	334	23 32	28
10	41.6	12 32	49.8	35.3	17 37	14.5	742	6 23	779	693	12 54	86	352	17 58	369	337	12 55	32
11	42.0	13 9	47.5	37.4	18 44	10.1	733	5 58	754	696	13 46	58	357	16 30	375	347	12 13	28
12 *	41.1	13 24	45.5	37.2	8 51	8.3	744	7 38	752	733	12 31	19	352	18 26	359	333	12 16	26
13 *	41.4	13 43	45.6	37.2	8 50	8.4	743	7 33	755	728	20 19	27	353	16 23	362	338	11 58	24
14	42.1	12 52	47.4	39.4	22 31	8.0	751	6 8	764	738	14 19	26	351	16 29	362	336	10 31	26
15	41.5	13 28	45.4	35.4	23 59	10.0	753	23 4	777	741	10 39	36	348	0 54	355	331	12 9	24
16	41.2	14 2	46.9	33.7	0 42	13.2	753	18 48	768	735	9 29	33	346	7 24	353	332	11 40	21
17	41.7	13 23	45.7	38.2	8 49	7.5	757	18 42	774	745	11 39	29	344	16 48	353	328	11 54	25
18 *	41.8	13 28	46.3	37.9	8 41	8.4	754	17 55	764	737	9 38	27	348	15 42	355	336	12 3	19
19 *	42.3	12 48	48.2	37.8	8 47	10.4	756	14 56	772	730	10 30	42	346	16 16	355	331	10 59	24
20	42.6	12 53	49.3	38.9	7 49	10.4	750	6 7	765	725	9 31	40	351	18 29	362	336	10 56	26
21	41.8	13 44	47.1	35.4	21 37	11.7	749	22 34	760	734	11 33	26	351	17 29	362	339	11 59	23
22	42.2	13 56	51.0	38.2	8 9	12.8	745	7 7	762	717	18 19	45	354	17 35	370	339	12 4	31
23	42.0	12 24	47.2	38.1	8 55	9.1	748	20 1	766	720	12 29	46	350	18 44	358	340	11 40	18
24 *	42.0	12 33	47.5	37.3	9 14	10.2	755	20 57	768	733	11 36	35	349	7 56	358	336	11 3	22
25 **	40.7	14 12	57.9†	26.2	17 1	31.7	726	20 36	785	638†	13 7	147	360	16 14	419†	332	7 1	87
26 **	39.1	13 39	49.3	22.5	19 43	26.8	720	19 47	775	668	11 39	107	358	16 44	384	320†	0 59	64
27	41.1	12 43	47.2	33.9	16 43	13.3	731	21 18	764	710	16 32	54	360	16 44	376	349	0 1	27
28	41.6	13 3	47.4	37.3	21 43	10.1	732	22 42	749	707	14 59	42	361	14 43	373	352	9 56	21

TABLE IV. - DAILY MEAN AND EXTREME VALUES OF MAGNETIC ELEMENTS AS RECORDED BY THE MAGNETOGRAPHS

Date	DECLINATION WEST						HORIZONTAL INTENSITY						VERTICAL INTENSITY					
	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
November	8°+ '	U. T. h m	8°+ '	8°+ '	U. T. h m	'	18000 Y +	U. T. h m	18000 Y +	18000 Y +	U. T. h m	Y	43000 Y +	U. T. h m	43000 Y +	43000 Y +	U. T. h m	Y
1	40.7	13 14	46.7	30.6	19 25	16.1	729	19 1	760	707	11 19	53	359	18 31	375	342	5 42	33
2	41.5	14 8	47.0	37.2	8 29	9.8	735	20 26	766	701	14 36	65	361	15 23	382	345	11 2	37
3 *	41.5	13 8	45.7	36.3	9 11	9.4	743	1 40	752	716	10 40	36	357	17 23	368	345	11 54	23
4 **	40.5	5 41	52.7	30.7	23 35	22.0	736	3 48	781	698	11 9	83	352	21 46	376	322†	6 11	54
5	40.3	13 48	45.6	31.7	0 54	13.9	733	5 7	755	710	10 12	45	360	17 19	373	351	11 51	22
6 *	40.2	13 33	44.6	37.1	9 27	7.5	738	20 40	751	715	11 19	36	361	16 27	368	353	13 9	15
7 *	40.8	12 48	45.6	37.2	8 50	8.4	743	19 10	756	719	12 33	37	360	17 18	369	351	12 34	18
8	41.7	16 11	50.8	33.3	23 39	17.5	746	24 0	792	707	16 28	85	362	18 28	382	351	7 3	31
9	41.0	14 28	45.5	34.4	0 0	11.1	743	0 8	804†	723	12 57	81	358	19 11	365	343	11 6	22
10	40.7	13 12	45.6	37.2	19 32	8.4	745	22 48	766	720	11 39	46	358	20 19	368	343	11 19	25
11	40.8	14 24	45.6	35.4	21 40	10.2	747	21 37	768	729	16 30	39	357	15 41	365	351	23 22	14
12	41.6	11 35	52.0	32.7	18 17	19.3	738	7 18	761	683	17 56	78	358	18 30	390	339	11 30	51
13	40.8	12 52	46.6	36.7	9 26	9.9	738	23 41	754	719	11 22	35	358	18 10	365	348	11 59	17
14	41.2	12 23	46.0	37.4	20 30	8.6	747	20 37	763	731	10 30	32	356	20 34	366	343	11 40	23
15	41.0	13 2	50.8	30.1	19 40	20.7	732	6 8	769	676	19 39	93	363	19 44	386	348	10 32	38
16 **	40.7	14 12	49.0	28.8	22 20	20.2	722	3 6	767	674	19 30	93	362	19 40	398	327	3 20	71
17	40.7	4 21	48.4	37.3	1 14	11.1	734	4 16	784	711	10 45	73	360	16 19	372	346	4 55	26
18 **	40.2	16 58	48.8	24.2	19 36	24.6	724	5 31	764	618	19 15	146	372	19 33	434	350	8 10	84
19 **	41.3	14 33	71.1†	25.2	23 32	45.9	694	20 33	785	594†	15 6	191	395	14 53	555†	364	9 30	191
20 **	38.0	13 55	46.6	16.1†	17 10	30.5	684	1 7	798	624	12 31	174	385	17 13	446	329	1 39	117
21	40.4	4 9	43.2	32.8	0 18	10.4	718	21 52	732	698	11 20	34	371	18 30	382	351	1 10	31
22 *	40.2	13 29	44.6	37.5	8 42	7.1	727	7 38	742	699	12 20	43	372	16 44	380	364	23 43	16
23 *	40.2	13 43	43.9	35.6	21 50	8.3	738	17 46	749	724	11 20	25	366	16 44	372	354	12 15	18
24	41.2	15 31	46.2	37.5	23 10	8.7	735	6 9	754	716	18 20	38	365	19 22	380	355	11 50	25
25	40.7	1 1	48.3	36.4	16 21	11.9	739	0 57	773	702	16 12	71	365	16 43	380	353	1 57	27
26	40.5	13 26	44.6	38.2	22 24	6.4	740	24 0	763	719	10 17	44	362	23 57	371	358	5 51	13
27	40.9	14 17	44.9	38.4	0 40	6.5	742	0 8	767	719	11 40	48	362	16 26	369	356	11 7	13
28	40.8	13 3	46.6	25.9	22 52	20.7	741	22 22	767	714	22 5	53	362	22 18	376	347	22 46	29
29	40.3	11 54	43.8	35.4	20 26	8.4	739	6 39	753	723	11 21	30	362	16 44	372	354	11 5	18
30	40.9	13 57	44.6	38.4	9 2	6.2	743	4 42	759	728	14 42	31	363	16 46	373	355	5 59	18
Mean	40.7	-	47.5	33.5	-	14.0	734	-	765	701	-	64.6	363	-	385	348	-	37.3
Mean *	40.6	-	44.9	36.7	-	8.1	738	-	750	715	-	35.4	363	-	371	353	-	18.0
Mean **	40.1	-	53.6	25.0	-	28.6	712	-	779	642	-	137.4	373	-	442	338	-	103.4
December	8°+ '	U. T. h m	8°+ '	8°+ '	U. T. h m	'	18000 Y +	U. T. h m	18000 Y +	18000 Y +	U. T. h m	Y	43000 Y +	U. T. h m	43000 Y +	43000 Y +	U. T. h m	Y
1 **	40.8	18 56	50.0	27.8	21 10	22.2	727	8 54	763	650†	21 2	113	371	19 22	415†	351	9 10	64
2	39.1	12 47	45.3	28.1	0 20	17.2	725	5 26	742	689	0 28	53	366	16 29	378	354	7 47	24
3	41.0	14 6	47.1	32.6	20 36	14.5	738	21 59	760	712	14 56	48	368	15 19	381	346	11 13	35
4	40.4	13 4	43.5	37.1	1 25	6.4	741	5 27	755	721	1 50	34	365	16 43	371	355	11 16	16
5	40.7	13 40	44.6	31.5	23 42	13.1	750	22 32	795	731	23 57	64	361	22 31	370	354	11 1	16
6 **	38.3	13 5	43.4	26.2	21 12	17.2	737	21 20	770	719	20 57	51	363	21 18	377	356	0 20	21
7	39.6	12 19	43.5	33.3	0 20	10.2	743	3 50	761	727	0 14	34	362	16 20	370	355	4 22	15
8	39.8	15 9	44.1	29.6	20 50	14.5	747	5 44	764	725	16 19	39	363	16 48	373	355	8 10	18
9	40.6	13 12	46.4	37.9	2 18	8.5	744	1 28	766	697	13 29	69	363	16 18	381	351	1 53	30
10	40.4	13 30	46.2	38.2	0 23	8.0	744	19 24	762	726	12 52	36	364	14 21	373	356	11 51	17
11	40.2	13 20	44.6	36.4	23 53	8.2	745	17 42	757	728	12 29	29	362	16 50	372	355	13 21	17
12	40.5	13 53	44.4	37.8	22 5	6.6	750	7 59	758	738	21 2	20	361	15 24	368	351	12 3	17
13 *	40.6	14 8	43.7	38.2	10 3	5.5	753	17 9	762	740	11 33	22	359	17 12	368	349	11 3	19
14 *	40.9	13 24	44.6	39.1	9 43	5.5	758	8 30	771	746	12 20	25	355	16 30	364	342	11 3	22
15	40.4	14 5	44.6	33.5	23 11	11.1	755	7 54	767	736	21 31	31	357	18 29	364	347	12 40	17
16	41.4	13 3	45.8	38.0	0 8	7.8	755	6 48	775	737	16 40	38	357	16 28	369	346	12 3	23
17	40.7	14 4	43.6	38.3	9 46	5.3	758	9 50	771	745	17 30	26	355	17 42	364	338†	11 59	26
18 *	40.5	14 20	43.4	39.1	22 27	4.3	760	8 22	772	741	11 32	31	354	16 42	360	343	11 33	17
19	41.3	16 29	50.2	35.6	23 20	14.6	749	7 9	776	714	19 32	62	359	20 37	378	338†	12 12	40
20	41.2	14 13	47.4	36.4	1 12	11.0	746	6 37	773	726	15 24	47	360	16 46	379	352	0 20	27
21	41.1	15 3	48.3	34.7	22 7	13.6	740	6 52	770	706	15 53	64	363	16 19	385	351	10 59	34
22	40.6	13 42	43.8	38.4	0 1	5.4	747	4 41	767	728	11 22	39	360	14 46	369	349	11 13	20
23 *	40.3	13 12	42.8	38.0	8 58	4.8	752	4 43	765	735	11 33	30	361	12 20	369	355	7 29	14
24	41.0	13 8	45.0	33.6	23 50	11.4	758	23 53	779	739	16 46	40	359	20 30	365	351	12 2	14
25 **	40.6	14 19	50.1	27.8	19 56	22.3	740	5 58	779	696	14 32	83	363	20 6	390	344	6 29	46
26 **	39.9	15 39	50.8†	20.7†	21 20	30.1	733	21 26	796†	681	21 51	115	367	21 11	391	355	11 21	36
27 **	39.9	2 50	46.6	30.7	0 1	15.9	741	4 30	779	714	10 31	65	361	17 18	377	339	4 50	38
28	40.1	14 10	44.6	35.1	19 4	9.5	746	7 50	766	722	18 56	44	363	19 30	373	354	7 16	19
29 *	40.2	12 59	42.8	38.1	22 10	4.7	754	12 2	765	745	10 21	20	359	16 28	368	347	10 32	21
30	40.3	14 48	43.7	38.2	23 10	5.5	754	21 57	765	739	15 30	26	357	16 36	368	342	12 36	26
31	40.2	17 32	44.5	34.0	20 27	10.5	755	8 59	778	727	17 41	51	357	20 29	377	343	10 25	34
Mean	40.4	-	45.5	34.3	-	11.1	747	-	769	722	-	46.7	361	-	374	349	-	25.3
Mean *	40.5	-	43.5	38.5	-	5.0	755	-	767	741	-	25.6	358	-	366	347	-	18.6
Mean **	39.9	-	48.2	26.6	-	21.5	736	-	777	692	-	85.4	365	-	390	349	-	41.0

\* International Quiet Day. \*\* International Disturbed Day.

† Indicates extreme monthly value.

TABLE IV(A). - THREE-HOUR-RANGE INDICES "K" FOR THE YEAR 1955

Date	January		February		March		April		May		June	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	1222 2233	17	1011 2222	11	1111 2221	11	3222 2125	19	2211 1123	13	2222 3321	17
2	3122 2212	15	1121 2222	13	2122 1211	12	3222 4344	24	1012 3322	14	2122 3322	17
3	1112 2112	11	4322 2223	20	0222 2100	9	2233 3332	21	2122 2322	16	2322 2331	18
4	4312 3223	20	1234 3354	25	0102 0133	10	1123 3444	22	1123 3333	19	1232 3322	18
5	1111 2234	15	3323 3244	24	2221 2334	19	4233 4242	24	1222 3422	18	1111 2321	12
6	3322 2231	18	1222 3334	20	4232 3232	21	3313 3324	22	3223 5445	28	0122 3334	18
7	2222 2232	17	3332 4332	23	5332 2564	30	4333 3233	24	5434 3334	29	3333 4323	24
8	1011 1123	10	2222 2444	22	3232 2553	25	2232 2323	19	4434 4454	32	2433 4534	28
9	4132 3531	22	2232 2231	17	3232 2454	25	1212 0114	12	3222 2332	19	1222 3333	19
10	1122 1120	10	2122 2222	15	3333 3344	26	1113 3423	18	3223 1333	20	2222 2221	15
11	2212 5235	22	0121 2454	19	3233 3422	22	2332 2322	19	1221 2321	14	0122 3323	16
12	4222 1121	15	3321 3334	22	4432 3444	28	2332 3233	21	1222 1234	17	2333 3222	20
13	3223 3223	20	4223 2330	19	3232 3343	23	3322 2324	21	3223 3332	21	2122 3333	19
14	1212 3241	16	1222 3434	21	4222 2443	23	3222 2111	14	2334 3321	21	2234 3431	22
15	1011 1101	6	3322 2100	13	4333 3244	26	2122 3312	16	2222 2223	17	3343 3333	25
16	2113 3233	18	0122 3132	14	3312 1343	20	1212 2132	14	4423 2211	19	4333 4322	24
17	0334 6555	31	3222 2213	17	3243 3323	23	1112 2221	12	2121 2212	13	2223 3423	21
18	6542 2544	32	1222 1144	17	2232 2543	23	1121 2211	11	3121 2321	15	1323 3222	18
19	4454 4444	33	2232 2222	17	3221 2232	17	1221 2221	13	1122 2111	11	3322 3321	19
20	4321 3344	24	1222 3232	17	2112 2214	15	2331 2322	18	1212 2322	15	1122 3422	17
21	4211 2233	18	3432 3332	23	3121 2233	17	2222 3322	18	1122 3212	14	2122 2221	14
22	3121 2112	13	3433 2233	23	2234 4543	27	2322 2232	18	1212 1232	14	2214 3433	22
23	3222 3343	22	3233 4453	27	2122 4455	25	0011 2211	8	0112 3311	12	4333 3354	28
24	1111 2212	11	3332 3232	21	3323 2121	17	2212 4444	23	0112 2321	12	4333 4332	25
25	1111 1121	9	3323 2323	21	0022 1333	14	3321 3342	21	1122 4465	25	3233 3331	21
26	0112 1111	8	3322 2221	17	1233 3313	19	4233 2344	25	5434 3432	28	1212 2213	14
27	0023 1444	18	0112 2123	12	1124 3322	18	4321 2566	29	2222 4544	25	1222 2331	16
28	2222 1222	15	5543 4322	28	2122 1112	12	6333 3445	31	3343 3333	25	2212 2323	17
29	1112 1134	14			2221 1010	9	4323 3454	28	2223 2322	18	2222 3332	19
30	2202 3223	16			1023 3246	21	4323 2333	23	1112 2321	13	2222 1221	14
31	2122 1123	14			4454 3445	33			2222 2222	16		



TABLE IV(A). - THREE-HOUR-RANGE INDICES "K" FOR THE YEAR 1955

Date	July			August			September			October			November			December		
	Indices		Sum	Indices		Sum	Indices		Sum	Indices		Sum	Indices		Sum	Indices		Sum
1	2122	2211	13	2122	3321	16	1133	3342	20	4224	3232	22	3322	1343	21	3023	3455	25
2	2323	3554	27	2211	2122	13	3434	3322	24	3122	3442	21	2113	3232	17	3432	2111	17
3	3322	2322	19	4223	3433	24	3334	3233	24	2333	2421	20	1012	2112	10	1013	3343	18
4	1221	2211	12	2434	4444	29	4333	3434	27	2333	1222	18	3443	2244	26	3112	1011	10
5	2111	2222	13	2233	3444	25	4433	3332	25	2223	3465	27	3332	2112	17	1212	2224	16
6	1111	2334	16	3344	3535	30	2333	2333	22	4343	3421	24	2112	1122	12	2232	2034	18
7	3322	4322	21	3333	3343	25	3133	2211	16	2222	3213	17	1122	1110	9	3311	1111	12
8	1224	3432	21	2123	3322	18	1112	3323	16	3232	2223	19	1222	3445	23	1221	2343	18
9	1223	2212	15	3222	2222	17	3212	2222	16	2222	2214	17	5223	2111	17	3323	3321	20
10	2223	4323	21	2322	3222	18	1122	2221	13	3333	3431	23	2113	2232	16	1112	2231	13
11	3234	4433	26	1221	2123	14	2122	2223	16	0232	3330	16	3122	1323	17	1112	2212	12
12	5333	3224	25	2232	2212	16	3343	3334	26	0022	2011	8	1144	3442	23	2112	1132	13
13	4221	3321	18	1213	2323	17	4333	2421	22	1022	1122	11	1212	1221	12	1011	1211	8
14	2212	3220	14	3222	3333	21	1222	2212	14	2122	2221	14	1112	2232	14	0022	1011	7
15	1122	4433	20	3323	3221	19	2112	2232	15	1111	2103	10	2234	3343	24	1112	1133	13
16	3222	3233	20	0231	2221	13	3223	3213	19	3112	2212	14	4432	3344	27	2223	3221	17
17	1322	1223	16	1123	3333	19	3332	2222	19	2121	1122	12	2412	2222	17	1112	1221	11
18	2322	2221	16	2222	3232	18	2222	2331	17	2011	0111	7	1333	3553	26	1012	1111	8
19	1113	2211	12	2222	2232	17	2222	3223	18	0112	2211	10	3134	6655	33	0022	2332	14
20	2112	2121	12	1122	2321	14	3233	1223	19	2132	2321	16	6443	4655	37	3332	3312	20
21	2012	2213	13	3121	1112	12	1121	1212	11	0112	1223	12	4221	2110	13	2222	3322	18
22	1112	2213	13	0122	1111	9	4312	3232	20	1113	3231	15	0012	2110	7	2212	2211	13
23	3222	2233	19	1011	1211	8	1233	2233	19	2222	2121	14	0113	2122	12	1111	1111	8
24	3323	2222	19	1223	2212	15	4112	2331	17	0122	1112	10	2122	2222	15	1112	2313	14
25	2222	3222	17	1122	3221	14	2021	1112	10	4444	5554	35	4222	2412	19	3432	4342	25
26	2323	4433	24	2223	3222	18	1111	1112	9	4434	4553	32	2122	1203	13	0213	3445	22
27	3212	2322	17	0021	2233	13	2233	3454	26	2222	3333	20	3012	2112	12	5423	2323	24
28	1122	3312	15	1353	3222	21	2333	3243	23	1222	2312	15	0013	2225	15	0022	2231	12
29	2122	2233	17	3232	2234	21	3222	3444	24	1222	1333	17	1112	1232	13	0012	1111	7
30	1122	3322	16	1223	2322	17	4555	4445	36	1111	2442	16	0211	2131	11	1111	2211	10
31	3121	3321	16	2122	2123	15				3322	3455	27				1223	2332	18



TABLE V. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS  
DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

All Days

DECLINATION WEST (Unit 0.01)																								
Month and Season, 1955	Universal Time. Hour commencing																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
January	-139	-149	-183	-90	-58	-26	+41	+4	+4	+20	+92	+156	+234	+253	+213	+153	+127	+58	+20	-36	-146	-206	-178	-162
February	-149	-155	-166	-142	-114	-152	-86	-33	+5	+41	+107	+219	+308	+334	+253	+194	+120	+75	+10	-105	-131	-135	-148	-149
March	-118	-163	-209	-208	-181	-153	-101	-75	-87	-71	+95	+294	+448	+514	+454	+305	+160	+0	-56	-73	-175	-276	-154	-171
April	-180	-183	-179	-230	-219	-197	-195	-235	-260	-160	+67	+340	+538	+603	+491	+372	+279	+197	+78	-45	-171	-221	-248	-244
May	-167	-200	-167	-156	-228	-276	-372	-419	-417	-257	+6	+293	+488	+534	+502	+400	+308	+228	+146	+50	+22	-53	-100	-162
June	-131	-130	-154	-185	-263	-397	-470	-479	-395	-231	-8	+254	+451	+514	+496	+408	+319	+216	+149	+73	+31	-2	-21	-54
July	-101	-90	-135	-201	-277	-361	-426	-444	-413	-284	-43	+215	+458	+557	+556	+452	+321	+199	+122	+73	-15	-34	-34	-96
August	-155	-180	-162	-210	-259	-301	-346	-341	-288	-151	+104	+357	+547	+568	+482	+328	+188	+95	+26	+42	-8	-89	-111	-129
September	-213	-135	-129	-157	-181	-160	-138	-198	-248	-128	+128	+364	+521	+524	+455	+302	+108	+37	-34	-119	-131	-142	-123	-193
October	-137	-128	-118	-70	-66	-81	-91	-179	-259	-225	+3	+273	+465	+514	+448	+308	+109	-16	-19	-111	-123	-170	-184	-145
November	-162	-102	-96	-69	-17	-51	-33	-97	-168	-153	-10	+205	+371	+425	+397	+292	+182	+33	-26	-153	-173	-198	-187	-216
December	-199	-130	-84	-57	-65	-48	-36	-35	-71	-88	+10	+140	+263	+335	+307	+263	+186	+125	+60	-26	-139	-228	-223	-252
Year	-155	-145	-149	-148	-161	-184	-188	-211	-216	-140	+46	+259	+424	+473	+421	+315	+201	+104	+40	-36	-97	-146	-143	-164
Winter	-162	-134	-132	-90	-64	-69	-29	-40	-58	-45	+50	+180	+294	+337	+292	+225	+154	+73	+16	-80	-147	-192	-184	-192
Equinox	-162	-152	-159	-166	-162	-148	-131	-172	-214	-146	+73	+318	+493	+539	+462	+322	+164	+54	-8	-87	-150	-202	-177	-188
Summer	-138	-150	-154	-188	-257	-334	-404	-421	-378	-231	+15	+280	+486	+543	+509	+397	+284	+184	+111	+59	+7	-44	-66	-110
INCLINATION (Unit 0.01)																								
January	+5	+22	+18	+10	-4	-19	-41	-39	-35	-20	-2	-3	-13	-14	+11	+15	+7	+13	+21	+25	+13	+7	+4	+20
February	-13	+4	+23	+15	-12	-39	-43	-66	-60	-48	-20	-9	-23	-30	-2	+32	+58	+46	+55	+61	+41	+19	+1	+6
March	-12	-14	-15	-7	-13	-37	-31	-18	-25	-16	-12	-5	+2	-10	+14	+31	+47	+53	+35	+32	+15	+2	-8	-12
April	-34	-20	-6	0	-3	-12	-14	-3	+17	+38	+62	+48	+14	+19	+31	+11	+2	-9	-7	-13	-13	-19	-37	-50
May	-43	-31	-11	-7	+1	+14	+44	+65	+99	+106	+78	+44	+25	+24	+13	0	-22	-58	-71	-68	-56	-53	-40	-54
June	-40	-36	-38	-28	-39	-28	+16	+59	+99	+116	+111	+84	+63	+44	+35	+3	-19	-45	-61	-69	-65	-54	-62	-62
July	-26	-36	-28	-24	-25	-18	+5	+35	+66	+97	+94	+71	+69	+57	+25	-1	-13	-29	-53	-65	-62	-55	-49	-35
August	-38	-34	-31	-35	-23	-17	+22	+58	+94	+89	+75	+56	+28	+10	+33	+45	+14	-19	-28	-56	-64	-60	-64	-56
September	-71	-51	-64	-62	-75	-79	-43	+1	+55	+103	+122	+109	+63	+33	+24	+47	+59	+30	+8	-22	-31	-43	-48	-60
October	-41	-31	-39	-43	-62	-76	-70	-31	+27	+72	+86	+80	+56	+53	+49	+58	+54	+27	+19	-9	-33	-39	-47	-52
November	-46	-50	-46	-52	-81	-88	-97	-77	+21	+17	+59	+81	+73	+50	+57	+61	+60	+56	+55	+38	+13	-5	-25	-29
December	+2	0	-9	-34	-55	-69	-76	-68	-49	-27	+4	+23	+20	+28	+42	+45	+60	+29	+19	+27	+37	+20	+17	+7
Year	-30	-23	-20	-22	-33	-39	-27	-7	+22	+44	+55	+48	+31	+22	+28	+29	+26	+8	-1	-10	-17	-23	-30	-31
Winter	-13	-6	-3	-15	-38	-54	-64	-62	-41	-19	+10	+23	+14	+9	+27	+38	+46	+36	+38	+38	+26	+10	-1	+1
Equinox	-40	-29	-31	-28	-38	-51	-39	-13	+18	+49	+64	+58	+34	+24	+29	+37	+40	+25	+14	-3	-16	-25	-35	-44
Summer	-37	-34	-27	-23	-21	-11	+22	+54	+90	+102	+90	+64	+46	+34	+27	+12	-10	-38	-53	-64	-62	-55	-54	-52
HORIZONTAL INTENSITY (Unit 0.1γ)																								
January	-20	-42	-36	-24	-4	+17	+47	+47	+43	+24	0	-4	+10	+19	-11	-15	+1	-3	-14	-19	-2	+3	-1	-27
February	+24	-4	-37	-27	+9	+43	+46	+80	+73	+54	+12	-11	+10	+25	0	-40	-65	-44	-57	-59	-30	-5	+12	-3
March	+21	+19	+9	0	+11	+46	+36	+16	+22	-4	-23	-40	-48	-15	-24	-20	-32	-35	-8	-9	+15	+23	+23	+21
April	+39	+21	+2	-2	+7	+15	+16	+2	-35	-84	-139	-127	-71	-58	-46	+1	+29	+55	+61	+68	+60	+52	+62	+74
May	+61	+41	+15	+12	+6	-17	-58	-90	-154	-186	-166	-134	-102	-73	-26	+21	+61	+124	+146	+137	+114	+103	+76	+87
June	+58	+50	+49	+38	+62	+39	-22	-87	-158	-201	-211	-187	-144	-95	-59	+7	+54	+106	+132	+144	+129	+101	+106	+99
July	+46	+53	+40	+38	+50	+33	-6	-49	-109	-168	-179	-165	-166	-130	-54	+10	+45	+83	+121	+134	+122	+102	+84	+62
August	+54	+47	+43	+52	+43	+32	-26	-82	-150	-157	-154	-142	-101	-51	-56	-45	+13	+70	+81	+117	+119	+106	+104	+86
September	+100	+65	+82	+81	+102	+105	+59	-4	-91	-175	-219	-206	-127	-65	-34	-47	-54	-9	+25	+70	+72	+82	+82	+97
October	+54	+41	+51	+55	+82	+102	+92	+43	-39	-119	-161	-157	-113	-96	-65	-59	-43	-2	+7	+43	+70	+66	+70	+71
November	+59	+57	+49	+61	+102	+108	+120	+93	+20	-42	-115	-149	-127	-76	-57	-53	-52	-44	-43	-22	+9	+25	+42	+36
December	-4	-3	+8	+43	+72	+90	+95	+85	+61	+23	-30	-61	-55	-53	-55	-50	-60	-13	-2	-15	-31	-9	-16	-9
Year	+41	+29	+23	+27	+45	+51	+25	+4	-43	-86	-115	-115	-84	-56	-41	-24	-9	+24	+37	+49	+56	+54	+54	+50
Winter	+15	+2	-4	+13	+45	+65	+77	+76	+49	+15	-33	-56	-40	-21	-31	-39	-44	-26	-29	-29	-13	-3	+9	-1
Equinox	+53	+36	+36	+33	+53	+67	+51	+14	-36	-96	-136	-133	-90	-59	-42	-31	-25	-2	+21	+43	+54	+56	+59	+66
Summer	+55	+48	+37	+35	+40	+22	-28	-77	-143	-178	-178	-157	-128	-87	-49	-2	+43	+96	+120	+133	+121	+103	+92	+83

TABLE V. - MEAN DIURNAL INEQUALITIES OF GEOGRAPHICAL COMPONENTS OF MAGNETIC INTENSITY

All Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1955	Universal Time. Hour commencing																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
January	- 8	- 29	- 20	- 16	+ 1	+ 19	+ 43	+ 46	+ 42	+ 22	- 8	- 17	- 9	- 2	- 28	- 27	- 9	- 8	- 15	- 16	+ 10	+ 20	+ 14	- 13
February	+ 36	+ 9	- 23	- 15	+ 18	+ 55	+ 53	+ 82	+ 72	+ 50	+ 3	- 29	- 16	- 3	- 21	- 56	- 74	- 50	- 57	- 50	- 19	+ 6	+ 24	+ 9
March	+ 31	+ 32	+ 26	+ 17	+ 26	+ 58	+ 44	+ 22	+ 29	+ 2	- 31	- 64	- 84	- 57	- 61	- 45	- 45	- 35	- 3	- 3	+ 29	+ 46	+ 35	+ 35
April	+ 53	+ 36	+ 17	+ 15	+ 25	+ 31	+ 32	+ 21	- 13	- 70	- 143	- 154	- 115	- 107	- 86	- 30	+ 6	+ 38	+ 54	+ 70	+ 73	+ 70	+ 82	+ 93
May	+ 74	+ 57	+ 29	+ 25	+ 25	+ 6	- 27	- 54	- 118	- 163	- 165	- 157	- 141	- 116	- 67	- 12	+ 35	+ 104	+ 132	+ 131	+ 111	+ 106	+ 83	+ 99
June	+ 68	+ 60	+ 61	+ 53	+ 83	+ 71	+ 17	- 46	- 123	- 179	- 209	- 206	- 180	- 136	- 99	- 27	+ 27	+ 87	+ 118	+ 136	+ 125	+ 100	+ 106	+ 102
July	+ 54	+ 60	+ 51	+ 54	+ 72	+ 62	+ 29	- 12	- 74	- 142	- 173	- 181	- 202	- 175	- 99	- 28	+ 18	+ 65	+ 109	+ 126	+ 122	+ 104	+ 86	+ 69
August	+ 66	+ 61	+ 56	+ 69	+ 64	+ 57	+ 3	- 53	- 124	- 143	- 161	- 170	- 145	- 97	- 95	- 72	- 3	+ 61	+ 78	+ 112	+ 118	+ 112	+ 112	+ 95
September	+ 116	+ 75	+ 92	+ 93	+ 116	+ 117	+ 70	+ 12	- 69	- 162	- 227	- 234	- 169	- 108	- 71	- 71	- 62	- 12	+ 28	+ 79	+ 82	+ 93	+ 91	+ 118
October	+ 65	+ 51	+ 60	+ 60	+ 86	+ 107	+ 98	+ 57	- 17	- 99	- 159	- 178	- 150	- 137	- 101	- 84	- 51	- 1	+ 8	+ 52	+ 79	+ 79	+ 84	+ 82
November	+ 72	+ 65	+ 56	+ 66	+ 102	+ 111	+ 121	+ 100	+ 34	- 29	- 113	- 164	- 156	- 110	- 89	- 77	- 66	- 46	- 40	- 9	+ 23	+ 41	+ 57	+ 53
December	- 13	+ 8	+ 15	+ 47	+ 77	+ 93	+ 97	+ 87	+ 66	+ 30	- 30	- 72	- 76	- 80	- 80	- 71	- 75	- 23	- 7	- 13	- 19	+ 10	+ 3	+ 12
Year	+ 51	+ 40	+ 35	+ 39	+ 58	+ 66	+ 48	+ 22	- 25	- 74	- 118	- 135	- 120	- 94	- 75	- 50	- 25	+ 15	+ 34	+ 51	+ 61	+ 66	+ 65	+ 63
Winter	+ 22	+ 13	+ 7	+ 21	+ 50	+ 70	+ 79	+ 79	+ 54	+ 18	- 37	- 70	- 64	- 49	- 54	- 58	- 56	- 32	- 30	- 22	- 1	+ 19	+ 25	+ 15
Equinox	+ 66	+ 48	+ 49	+ 46	+ 63	+ 78	+ 61	+ 28	- 17	- 82	- 140	- 157	- 129	- 102	- 80	- 57	- 38	- 2	+ 22	+ 50	+ 66	+ 72	+ 73	+ 82
Summer	+ 66	+ 59	+ 49	+ 50	+ 61	+ 49	+ 6	- 41	- 110	- 157	- 177	- 178	- 167	- 131	- 90	- 35	+ 19	+ 79	+ 109	+ 126	+ 119	+ 106	+ 97	+ 91

WEST COMPONENT (Unit 0.1γ)

January	- 78	- 87	- 104	- 52	- 32	- 11	+ 29	+ 9	+ 9	+ 14	+ 50	+ 83	+ 128	+ 139	+ 113	+ 80	+ 69	+ 31	+ 9	- 22	- 79	- 111	- 96	- 91
February	- 77	- 84	- 95	- 81	- 60	- 75	- 39	- 6	+ 14	+ 30	+ 59	+ 115	+ 168	+ 184	+ 136	+ 98	+ 55	+ 34	- 3	- 66	- 75	- 74	- 78	- 81
March	- 60	- 85	- 111	- 112	- 96	- 75	- 49	- 38	- 44	- 39	+ 48	+ 152	+ 234	+ 275	+ 241	+ 161	+ 81	- 5	- 31	- 41	- 92	- 145	- 79	- 89
April	- 91	- 95	- 96	- 124	- 117	- 104	- 103	- 126	- 145	- 99	+ 15	+ 164	+ 279	+ 316	+ 258	+ 201	+ 155	+ 115	+ 51	- 14	- 83	- 111	- 124	- 120
May	- 81	- 101	- 88	- 82	- 128	- 151	- 209	- 239	- 248	- 167	- 22	+ 138	+ 247	+ 277	+ 267	+ 219	+ 175	+ 142	+ 101	+ 48	+ 29	- 13	- 42	- 74
June	- 62	- 62	- 76	- 94	- 132	- 208	- 257	- 271	- 237	- 155	- 36	+ 108	+ 221	+ 263	+ 258	+ 221	+ 180	+ 133	+ 100	+ 61	+ 36	+ 14	+ 5	- 14
July	- 48	- 40	- 67	- 103	- 142	- 190	- 230	- 247	- 239	- 179	- 50	+ 91	+ 222	+ 280	+ 291	+ 245	+ 180	+ 120	+ 84	+ 60	+ 10	- 3	- 6	- 42
August	- 75	- 90	- 81	- 105	- 133	- 157	- 190	- 196	- 178	- 105	+ 33	+ 171	+ 279	+ 298	+ 251	+ 170	+ 103	+ 62	+ 26	+ 40	+ 14	- 32	- 44	- 56
September	- 100	- 63	- 57	- 72	- 82	- 70	- 65	- 107	- 147	- 96	+ 36	+ 165	+ 261	+ 273	+ 240	+ 156	+ 50	+ 19	- 15	- 53	- 60	- 64	- 54	- 89
October	- 66	- 63	- 56	- 29	- 23	- 28	- 35	- 90	- 146	- 139	- 23	+ 123	+ 233	+ 262	+ 232	+ 157	+ 52	- 9	- 9	- 53	- 56	- 82	- 89	- 66
November	- 78	- 46	- 44	- 28	+ 6	- 11	0	- 38	- 87	- 89	- 23	+ 88	+ 181	+ 217	+ 205	+ 149	+ 90	+ 11	- 21	- 86	- 92	- 103	- 94	- 111
December	- 108	- 71	- 44	- 24	- 24	- 12	- 5	- 6	- 29	- 44	+ 1	+ 66	+ 133	+ 172	+ 157	+ 134	+ 91	+ 65	+ 32	- 16	- 80	- 124	- 123	- 137
Year	- 77	- 74	- 77	- 75	- 80	- 91	- 96	- 113	- 123	- 89	+ 7	+ 122	+ 216	+ 246	+ 221	+ 166	+ 107	+ 60	+ 27	- 12	- 44	- 71	- 69	- 81
Winter	- 85	- 72	- 72	- 46	- 27	- 27	- 4	- 10	- 23	- 22	+ 22	+ 88	+ 152	+ 178	+ 153	+ 115	+ 76	+ 35	+ 4	- 47	- 82	- 103	- 98	- 105
Equinox	- 79	- 77	- 80	- 84	- 80	- 69	- 63	- 90	- 121	- 93	+ 19	+ 151	+ 252	+ 281	+ 243	+ 169	+ 84	+ 30	- 1	- 40	- 73	- 101	- 87	- 91
Summer	- 66	- 73	- 78	- 96	- 134	- 176	- 222	- 238	- 225	- 151	- 19	+ 127	+ 242	+ 279	+ 267	+ 214	+ 159	+ 114	+ 78	+ 52	+ 22	- 8	- 22	- 46

VERTICAL COMPONENT (Unit 0.1γ)

January	- 3	- 22	- 22	- 21	- 24	- 27	- 32	- 28	- 22	- 13	- 7	- 19	- 23	- 5	+ 11	+ 16	+ 27	+ 38	+ 39	+ 41	+ 42	+ 32	+ 13	+ 6
February	+ 12	+ 3	- 5	- 12	- 22	- 35	- 42	- 45	- 40	- 43	- 41	- 55	- 57	- 46	- 7	+ 19	+ 49	+ 56	+ 60	+ 73	+ 73	+ 53	+ 30	+ 14
March	+ 6	- 4	- 30	- 24	- 21	- 21	- 31	- 24	- 37	- 65	- 93	- 110	- 104	- 69	- 6	+ 60	+ 90	+ 102	+ 102	+ 90	+ 87	+ 62	+ 25	+ 9
April	- 26	- 21	- 16	- 6	+ 5	- 8	- 11	- 6	- 24	- 67	- 110	- 133	- 117	- 69	- 2	+ 42	+ 76	+ 98	+ 119	+ 116	+ 96	+ 56	+ 17	- 1
May	- 8	- 11	- 4	+ 5	+ 19	+ 10	+ 17	+ 17	- 14	- 63	- 115	- 159	- 148	- 84	- 15	+ 48	+ 65	+ 86	+ 92	+ 82	+ 69	+ 55	+ 38	+ 15
June	- 6	- 9	- 17	- 9	+ 9	+ 8	+ 4	+ 3	- 24	- 62	- 103	- 140	- 114	- 67	- 14	+ 28	+ 60	+ 91	+ 95	+ 94	+ 73	+ 47	+ 29	+ 14
July	+ 15	- 3	- 5	+ 6	+ 30	+ 15	+ 5	+ 7	- 22	- 51	- 87	- 134	- 144	- 102	- 39	+ 20	+ 59	+ 92	+ 95	+ 85	+ 66	+ 45	+ 26	+ 22
August	- 6	- 8	- 7	0	+ 21	+ 15	+ 16	+ 10	- 22	- 54	- 97	- 134	- 135	- 84	- 14	+ 53	+ 79	+ 96	+ 90	+ 77	+ 53	+ 38	+ 20	+ 4
September	- 13	- 26	- 31	- 29	- 24	- 29	- 14	- 6	- 17	- 47	- 84	- 98	- 77	- 37	+ 4	+ 55	+ 78	+ 82	+ 84	+ 84	+ 60	+ 41	+ 23	+ 18
October	- 16	- 14	- 16	- 21	- 25	- 26	- 30	- 8	+ 2	- 26	- 73	- 87	- 67	- 40	+ 18	+ 63	+ 89	+ 90	+ 83	+ 69	+ 49	+ 16	- 2	- 17
November	- 24	- 42	- 46	- 40	- 45	- 56	- 59	- 50	- 28	- 39	- 61	- 65	- 41	- 3	+ 66	+ 89	+ 88	+ 91	+ 90	+ 81	+ 65	+ 42	+ 11	- 16
December	- 2	- 6	- 14	- 18	- 23	- 32	- 42	- 40	- 28	- 39	- 55	- 63	- 58	- 25	+ 19	+ 42	+ 69	+ 69	+ 62	+ 58	+ 58	+ 48	+ 21	+ 3
Year	- 6	- 14	- 18	- 14	- 8	- 16	- 18	- 14	- 23	- 47	- 77	- 100	- 90	- 53	+ 3	+ 45	+ 69	+ 83	+ 84	+ 79	+ 66	+ 45	+ 21	+ 6
Winter	- 4	- 17	- 22	- 23	- 28	- 37	- 44	- 41	- 29	- 33	- 41	- 51	- 45	- 20	+ 22	+ 42	+ 58	+ 63	+ 63	+ 63	+ 59	+ 44	+ 19	+ 2
Equinox	- 12	- 16	- 23	- 20	- 16	- 21	- 22	- 11	- 19	- 51	- 90	- 107	- 91	- 54	+ 3	+ 55	+ 83	+ 93	+ 97	+ 90	+ 73	+ 44	+ 16	+ 2
Summer	- 1	- 8	- 8	0	+ 20	+ 12	+ 10	+ 9	- 20	- 57	- 100	- 142	- 135	- 84	- 20	+ 37	+ 66	+ 91	+ 93	+ 84	+ 65	+ 46	+ 28	+ 14

TABLE VI. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS  
DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

International Quiet Days

DECLINATION WEST (Unit 0.01)

Month and Season, 1955	Universal Time. Hour commencing																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
January	- 97	- 105	- 69	- 49	- 39	- 7	- 1	- 35	- 35	- 29	+ 5	+ 81	+ 151	+ 161	+ 103	+ 93	+ 65	+ 79	+ 55	+ 3	- 79	- 79	- 95	- 83
February	- 137	- 115	- 123	- 117	- 93	- 77	- 41	- 41	- 25	+ 15	+ 77	+ 183	+ 253	+ 261	+ 197	+ 65	+ 75	+ 83	+ 21	- 41	- 45	- 99	- 137	- 129
March	- 158	- 150	- 124	- 112	- 120	- 96	- 72	- 128	- 182	- 164	- 14	+ 178	+ 334	+ 362	+ 286	+ 190	+ 86	+ 76	+ 36	+ 24	- 34	- 38	- 46	- 126
April	- 104	- 132	- 172	- 198	- 190	- 196	- 226	- 286	- 326	- 228	- 4	+ 266	+ 506	+ 520	+ 364	+ 218	+ 134	+ 82	+ 48	+ 28	0	- 18	- 18	- 56
May	- 61	- 61	- 103	- 139	- 223	- 337	- 433	- 499	- 451	- 289	- 31	+ 277	+ 469	+ 523	+ 445	+ 327	+ 229	+ 133	+ 111	+ 73	+ 43	+ 23	+ 5	- 41
June	- 60	- 140	- 152	- 174	- 284	- 388	- 428	- 468	- 422	- 264	- 40	+ 210	+ 418	+ 468	+ 456	+ 352	+ 242	+ 182	+ 154	+ 104	+ 92	+ 64	+ 66	+ 18
July	- 82	- 106	- 136	- 126	- 220	- 340	- 440	- 512	- 472	- 310	- 70	+ 208	+ 500	+ 626	+ 612	+ 504	+ 316	+ 170	+ 80	+ 48	+ 8	- 44	- 102	- 102
August	- 99	- 149	- 153	- 179	- 249	- 335	- 393	- 389	- 319	- 169	+ 91	+ 367	+ 563	+ 537	+ 401	+ 243	+ 119	+ 41	+ 109	+ 77	+ 37	- 15	- 73	- 73
September	- 86	- 94	- 152	- 168	- 186	- 174	- 216	- 288	- 328	- 248	- 38	+ 228	+ 386	+ 424	+ 362	+ 258	+ 182	+ 122	+ 86	+ 10	+ 26	- 10	- 14	- 74
October	- 57	- 85	- 75	- 67	- 55	- 61	- 95	- 189	- 335	- 347	- 109	+ 181	+ 371	+ 387	+ 287	+ 163	+ 93	+ 73	+ 43	+ 5	- 27	- 25	- 25	- 59
November	- 104	- 124	- 84	- 50	- 62	- 48	- 68	- 132	- 240	- 270	- 122	+ 136	+ 290	+ 366	+ 292	+ 192	+ 134	+ 86	+ 38	+ 32	- 30	- 88	- 76	- 66
December	- 60	- 28	- 12	- 12	- 6	- 32	- 54	- 72	- 106	- 156	- 66	+ 50	+ 166	+ 226	+ 180	+ 134	+ 78	+ 66	+ 40	+ 2	- 44	- 96	- 96	- 92
Year	- 92	- 107	- 113	- 116	- 144	- 174	- 206	- 253	- 270	- 205	- 27	+ 197	+ 367	+ 405	+ 332	+ 228	+ 146	+ 99	+ 68	+ 30	- 4	- 35	- 57	- 74
Winter	- 100	- 93	- 72	- 57	- 50	- 41	- 41	- 70	- 102	- 110	- 27	+ 112	+ 215	+ 253	+ 193	+ 121	+ 88	+ 78	+ 38	- 1	- 50	- 90	- 101	- 93
Equinox	- 101	- 115	- 131	- 136	- 138	- 132	- 152	- 223	- 293	- 247	- 41	+ 213	+ 399	+ 423	+ 325	+ 207	+ 124	+ 88	+ 53	+ 17	- 9	- 23	- 26	- 79
Summer	- 75	- 114	- 136	- 154	- 244	- 350	- 423	- 467	- 416	- 258	- 12	+ 266	+ 488	+ 538	+ 478	+ 356	+ 226	+ 132	+ 113	+ 75	+ 45	+ 7	- 26	- 49

INCLINATION (Unit 0.01)

January	+ 33	+ 40	+ 37	+ 22	+ 8	- 14	- 25	- 33	- 43	- 40	- 7	- 3	- 12	- 9	- 8	+ 2	+ 8	+ 4	+ 10	+ 18	+ 6	+ 3	+ 2	+ 3
February	+ 32	+ 37	+ 44	+ 43	+ 30	+ 8	- 15	- 34	- 34	- 37	- 3	- 5	- 15	- 39	- 37	- 6	+ 9	+ 19	+ 11	+ 1	+ 1	+ 10	- 12	- 16
March	+ 26	+ 25	+ 26	+ 12	- 2	- 19	- 35	- 32	- 17	+ 3	+ 27	+ 13	- 2	- 12	- 9	- 6	+ 15	+ 3	- 12	- 19	+ 2	+ 12	+ 5	- 10
April	+ 1	+ 13	+ 18	+ 27	+ 12	- 8	- 7	+ 2	+ 10	+ 29	+ 38	+ 23	+ 11	+ 24	+ 41	+ 9	- 3	- 17	- 44	- 49	- 36	- 28	- 44	- 33
May	- 17	- 13	- 12	+ 2	+ 2	+ 9	+ 49	+ 92	+ 108	+ 80	+ 56	+ 14	- 3	+ 4	+ 17	+ 1	- 28	- 42	- 56	- 59	- 58	- 53	- 45	- 45
June	- 54	- 42	- 33	- 32	- 32	- 14	+ 16	+ 69	+ 109	+ 125	+ 123	+ 94	+ 68	+ 41	+ 4	- 19	- 19	- 43	- 63	- 65	- 64	- 56	- 63	- 47
July	- 20	- 23	- 22	- 26	- 26	- 7	+ 20	+ 50	+ 104	+ 119	+ 99	+ 47	+ 28	+ 4	- 12	- 16	- 11	- 10	- 36	- 50	- 60	- 56	- 57	- 49
August	- 10	- 12	- 7	- 11	- 6	- 5	+ 39	+ 76	+ 96	+ 80	+ 62	+ 29	- 1	- 5	+ 16	+ 14	- 8	- 33	- 32	- 48	- 55	- 65	- 61	- 46
September	- 7	- 6	- 11	- 7	- 4	- 10	- 7	+ 11	+ 47	+ 78	+ 88	+ 67	+ 38	+ 23	+ 14	+ 22	+ 5	- 23	- 43	- 52	- 58	- 63	- 58	- 51
October	- 2	+ 3	- 1	- 4	- 14	- 26	- 27	- 7	+ 34	+ 53	+ 52	+ 42	+ 19	+ 10	+ 5	+ 9	+ 3	- 17	- 22	- 20	- 18	- 24	- 27	- 23
November	- 11	- 9	- 2	- 18	- 26	- 31	- 42	- 43	+ 1	+ 52	+ 87	+ 96	+ 84	+ 49	+ 30	+ 11	+ 5	- 23	- 32	- 34	- 36	- 37	- 36	- 40
December	+ 31	+ 31	+ 11	- 2	- 17	- 25	- 35	- 37	- 34	- 20	+ 13	+ 38	+ 31	+ 25	+ 21	+ 18	+ 9	- 14	- 18	- 13	- 9	- 5	+ 2	+ 1
Year	0	+ 4	+ 4	+ 1	- 6	- 12	- 6	+ 9	+ 32	+ 44	+ 53	+ 38	+ 21	+ 10	+ 7	+ 3	- 1	- 16	- 28	- 32	- 32	- 30	- 33	- 30
Winter	+ 21	+ 25	+ 22	+ 11	- 1	- 15	- 29	- 37	- 27	- 11	+ 22	+ 32	+ 22	+ 6	+ 2	+ 6	+ 8	- 3	- 7	- 7	- 9	- 7	- 11	- 13
Equinox	+ 5	+ 9	+ 8	+ 7	- 2	- 16	- 19	- 6	+ 19	+ 41	+ 51	+ 36	+ 17	+ 11	+ 13	+ 9	+ 5	- 13	- 30	- 35	- 27	- 26	- 31	- 29
Summer	- 25	- 22	- 18	- 17	- 16	- 4	+ 31	+ 72	+ 104	+ 101	+ 85	+ 46	+ 23	+ 11	+ 6	- 5	- 17	- 32	- 47	- 56	- 59	- 58	- 56	- 47

HORIZONTAL INTENSITY (Unit 0.1γ)

January	- 43	- 49	- 41	- 21	- 3	+ 25	+ 35	+ 45	+ 55	+ 45	- 5	- 13	- 3	+ 1	+ 5	- 5	- 7	+ 3	- 7	- 17	+ 1	+ 1	- 1	- 7
February	- 44	- 48	- 60	- 56	- 38	- 8	+ 20	+ 46	+ 48	+ 46	- 2	- 8	+ 2	+ 34	+ 40	+ 6	- 10	- 22	- 8	+ 10	+ 10	- 4	+ 28	+ 28
March	- 34	- 32	- 34	- 16	+ 4	+ 34	+ 54	+ 52	+ 30	- 10	- 58	- 44	- 30	- 8	+ 4	+ 10	- 12	+ 2	+ 28	+ 38	+ 12	- 6	+ 4	+ 20
April	+ 18	- 2	- 10	- 24	- 2	+ 14	+ 12	+ 6	- 10	- 64	- 102	- 100	- 76	- 72	- 72	- 8	+ 22	+ 46	+ 80	+ 88	+ 70	+ 56	+ 76	+ 62
May	+ 40	+ 36	+ 32	+ 18	+ 24	+ 8	- 54	- 120	- 164	- 154	- 146	- 106	- 74	- 50	- 30	+ 16	+ 66	+ 88	+ 104	+ 102	+ 98	+ 92	+ 86	+ 84
June	+ 89	+ 65	+ 49	+ 57	+ 65	+ 35	- 21	- 105	- 181	- 219	- 233	- 205	- 157	- 101	- 21	+ 45	+ 59	+ 105	+ 131	+ 133	+ 123	+ 101	+ 105	+ 79
July	+ 39	+ 43	+ 41	+ 47	+ 55	+ 21	- 21	- 61	- 153	- 195	- 193	- 151	- 115	- 51	+ 1	+ 35	+ 41	+ 49	+ 85	+ 99	+ 107	+ 99	+ 91	+ 81
August	+ 19	+ 23	+ 17	+ 23	+ 23	+ 21	- 45	- 105	- 151	- 141	- 125	- 95	- 57	- 27	- 33	- 9	+ 29	+ 75	+ 77	+ 99	+ 99	+ 111	+ 97	+ 73
September	+ 25	+ 23	+ 27	+ 19	+ 17	+ 25	- 1	- 57	- 121	- 155	- 141	- 101	- 75	- 49	- 39	- 5	+ 35	+ 73	+ 95	+ 97	+ 105	+ 97	+ 89	
October	+ 14	+ 4	+ 10	+ 16	+ 28	+ 42	+ 42	+ 16	- 38	- 84	- 114	- 106	- 68	- 42	- 8	- 2	+ 8	+ 38	+ 44	+ 40	+ 34	+ 46	+ 46	+ 40
November	+ 14	+ 12	+ 2	+ 28	+ 44	+ 50	+ 64	+ 66	+ 6	- 78	- 146	- 170	- 152	- 90	- 40	- 6	+ 10	+ 54	+ 60	+ 60	+ 60	+ 62	+ 52	+ 46
December	- 37	- 35	- 9	+ 11	+ 33	+ 41	+ 47	+ 49	+ 49	+ 19	- 41	- 83	- 69	- 47	- 27	- 15	+ 5	+ 35	+ 37	+ 23	+ 19	+ 9	- 7	- 5
Year	+ 8	+ 3	+ 2	+ 8	+ 21	+ 26	+ 13	- 9	- 47	- 80	- 110	- 102	- 75	- 44	- 19	+ 2	+ 17	+ 42	+ 59	+ 64	+ 61	+ 56	+ 56	+ 49
Winter	- 28	- 30	- 27	- 10	+ 9	+ 27	+ 41	+ 51	+ 39	+ 8	- 48	- 68	- 56	- 26	- 6	- 5	0	+ 17	+ 20	+ 19	+ 22	+ 17	+ 18	+ 16
Equinox	+ 6	- 2	- 2	- 1	+ 12	+ 29	+ 33	+ 18	- 19	- 70	- 107	- 98	- 69	- 49	- 31	- 10	+ 3	+ 30	+ 56	+ 65	+ 53	+ 50	+ 56	+ 53
Summer	+ 47	+ 42	+ 35	+ 36	+ 42	+ 21	- 35	- 98	- 162	- 177	- 174	- 139	- 101	- 57	- 21	+ 22	+ 49	+ 79	+ 99	+ 108	+ 107	+ 101	+ 95	+ 79

TABLE VI. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC INTENSITY

International Quiet Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1955	Universal Time. Hour commencing																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
January	- 34	- 40	- 35	- 17	0	+ 25	+ 35	+ 47	+ 57	+ 47	- 5	- 20	- 15	- 12	- 4	- 13	- 12	- 4	- 11	- 17	+ 8	+ 8	+ 7	0
February	- 32	- 38	- 49	- 46	- 30	- 2	+ 23	+ 49	+ 49	+ 44	- 8	- 23	- 19	+ 12	+ 23	+ 1	- 16	- 29	- 10	+ 13	+ 14	+ 4	+ 39	+ 38
March	- 21	- 19	- 23	- 7	+ 14	+ 42	+ 59	+ 62	+ 45	+ 4	- 56	- 58	- 57	- 38	- 20	- 6	- 19	- 4	+ 25	+ 36	+ 15	- 3	+ 8	+ 30
April	+ 26	+ 9	+ 4	- 7	+ 14	+ 30	+ 31	+ 30	+ 17	- 44	- 100	- 121	- 117	- 114	- 101	- 26	+ 11	+ 39	+ 75	+ 85	+ 69	+ 57	+ 77	+ 66
May	+ 45	+ 41	+ 40	+ 29	+ 42	+ 36	- 18	- 77	- 125	- 128	- 142	- 128	- 112	- 93	- 66	- 11	+ 46	+ 76	+ 94	+ 95	+ 93	+ 89	+ 86	+ 87
June	+ 93	+ 76	+ 61	+ 71	+ 88	+ 67	+ 15	- 65	- 144	- 195	- 227	- 220	- 190	- 138	- 58	+ 15	+ 38	+ 89	+ 117	+ 123	+ 114	+ 94	+ 98	+ 77
July	+ 45	+ 51	+ 52	+ 57	+ 73	+ 49	+ 16	- 18	- 112	- 167	- 185	- 166	- 155	- 102	- 50	- 7	+ 14	+ 34	+ 77	+ 94	+ 105	+ 101	+ 98	+ 88
August	+ 27	+ 35	+ 29	+ 38	+ 43	+ 48	- 12	- 72	- 123	- 125	- 131	- 124	- 103	- 71	- 66	- 29	+ 19	+ 71	+ 67	+ 91	+ 95	+ 111	+ 102	+ 78
September	+ 32	+ 30	+ 39	+ 33	+ 32	+ 39	+ 43	+ 23	- 29	- 99	- 150	- 158	- 132	- 109	- 78	- 60	- 20	+ 24	+ 65	+ 93	+ 94	+ 105	+ 97	+ 94
October	+ 19	+ 11	+ 16	+ 21	+ 32	+ 47	+ 49	+ 31	- 10	- 54	- 104	- 120	- 98	- 74	- 32	- 15	0	+ 32	+ 40	+ 39	+ 36	+ 48	+ 48	+ 44
November	+ 22	+ 22	+ 9	+ 32	+ 49	+ 53	+ 69	+ 76	+ 26	- 55	- 134	- 179	- 174	- 119	- 64	- 22	- 1	+ 46	+ 56	+ 57	+ 62	+ 69	+ 58	+ 51
December	- 32	- 32	- 8	+ 12	+ 33	+ 43	+ 51	+ 54	+ 57	+ 32	- 35	- 86	- 82	- 65	- 42	- 26	- 2	+ 29	+ 33	+ 23	+ 22	+ 17	+ 1	+ 3
Year	+ 16	+ 12	+ 11	+ 18	+ 32	+ 40	+ 30	+ 12	- 24	- 62	- 106	- 117	- 105	- 77	- 47	- 17	+ 5	+ 34	+ 52	+ 61	+ 61	+ 58	+ 60	+ 55
Winter	- 19	- 22	- 21	- 5	+ 13	+ 30	+ 44	+ 56	+ 47	+ 17	- 45	- 77	- 72	- 46	- 22	- 15	- 8	+ 10	+ 17	+ 19	+ 26	+ 24	+ 26	+ 23
Equinox	+ 14	+ 8	+ 9	+ 10	+ 23	+ 39	+ 45	+ 36	+ 6	- 48	- 103	- 114	- 101	- 84	- 58	- 27	- 7	+ 23	+ 51	+ 63	+ 53	+ 52	+ 57	+ 58
Summer	+ 53	+ 51	+ 46	+ 49	+ 62	+ 50	0	- 58	- 126	- 154	- 171	- 159	- 140	- 101	- 60	- 8	+ 29	+ 68	+ 89	+ 101	+ 102	+ 99	+ 96	+ 82

WEST COMPONENT (Unit 0.1γ)

January	- 59	- 64	- 43	- 30	- 21	0	+ 5	- 12	- 11	- 9	+ 2	+ 42	+ 81	+ 87	+ 56	+ 49	+ 34	+ 43	+ 29	- 1	- 42	- 42	- 51	- 46
February	- 81	- 69	- 75	- 72	- 56	- 43	- 19	- 15	- 6	+ 15	+ 41	+ 97	+ 137	+ 146	+ 112	+ 36	+ 39	+ 41	+ 10	- 21	- 23	- 54	- 70	- 65
March	- 90	- 86	- 72	- 63	- 64	- 47	- 31	- 61	- 94	- 90	- 16	+ 89	+ 175	+ 194	+ 155	+ 104	+ 45	+ 41	+ 24	+ 19	- 16	- 21	- 24	- 65
April	- 53	- 71	- 94	- 110	- 103	- 103	- 120	- 153	- 177	- 133	- 18	+ 128	+ 261	+ 269	+ 185	+ 116	+ 76	+ 51	+ 38	+ 28	+ 11	- 1	+ 2	- 21
May	- 27	- 27	- 51	- 72	- 117	- 180	- 242	- 287	- 268	- 179	- 39	+ 133	+ 241	+ 274	+ 235	+ 179	+ 133	+ 86	+ 76	+ 55	+ 38	+ 26	+ 16	- 9
June	- 19	- 66	- 74	- 85	- 143	- 204	- 234	- 268	- 255	- 176	- 57	+ 82	+ 201	+ 237	+ 243	+ 197	+ 139	+ 114	+ 103	+ 76	+ 68	+ 50	+ 52	+ 22
July	- 38	- 51	- 67	- 61	- 110	- 180	- 240	- 285	- 278	- 197	- 67	+ 89	+ 252	+ 329	+ 330	+ 277	+ 177	+ 99	+ 56	+ 41	+ 21	- 8	- 41	- 42
August	- 50	- 77	- 80	- 93	- 131	- 177	- 219	- 226	- 196	- 113	+ 30	+ 183	+ 295	+ 285	+ 211	+ 130	+ 69	+ 34	+ 71	+ 57	+ 35	+ 10	- 24	- 28
September	- 43	- 47	- 78	- 88	- 98	- 90	- 113	- 155	- 185	- 152	- 44	+ 101	+ 193	+ 217	+ 188	+ 133	+ 97	+ 71	+ 57	+ 20	+ 29	+ 11	+ 7	- 26
October	- 29	- 45	- 39	- 34	- 25	- 26	- 45	- 99	- 186	- 200	- 76	+ 81	+ 190	+ 202	+ 153	+ 88	+ 51	+ 45	+ 30	+ 9	- 9	- 6	- 6	- 26
November	- 54	- 65	- 45	- 23	- 27	- 18	- 27	- 60	- 128	- 157	- 88	+ 47	+ 133	+ 184	+ 151	+ 103	+ 74	+ 55	+ 30	+ 26	- 7	- 38	- 33	- 29
December	- 38	- 24	- 8	- 5	+ 2	- 11	- 22	- 31	- 50	- 81	- 42	+ 14	+ 79	+ 115	+ 93	+ 70	+ 43	+ 41	+ 27	+ 5	- 21	- 50	- 53	- 50
Year	- 48	- 58	- 61	- 61	- 74	- 90	- 109	- 138	- 153	- 123	- 31	+ 90	+ 186	+ 212	+ 176	+ 123	+ 81	+ 60	+ 46	+ 26	+ 7	- 10	- 19	- 32
Winter	- 58	- 56	- 43	- 32	- 26	- 18	- 16	- 29	- 49	- 58	- 22	+ 50	+ 107	+ 133	+ 103	+ 65	+ 47	+ 45	+ 24	+ 2	- 23	- 46	- 52	- 48
Equinox	- 54	- 62	- 71	- 74	- 73	- 67	- 77	- 117	- 161	- 144	- 39	+ 100	+ 205	+ 220	+ 170	+ 110	+ 67	+ 52	+ 37	+ 19	+ 4	- 4	- 5	- 35
Summer	- 33	- 55	- 68	- 78	- 125	- 185	- 234	- 266	- 249	- 166	- 33	+ 122	+ 247	+ 281	+ 255	+ 196	+ 129	+ 83	+ 76	+ 57	+ 40	+ 19	+ 1	- 14

VERTICAL COMPONENT (Unit 0.1γ)

January	+ 16	+ 26	+ 32	+ 28	+ 22	+ 10	- 6	- 10	- 20	- 36	- 36	- 42	- 48	- 30	- 16	- 6	+ 12	+ 20	+ 20	+ 22	+ 22	+ 12	+ 4	- 6
February	+ 8	+ 18	+ 12	+ 18	+ 16	+ 8	- 6	- 10	- 6	- 20	- 16	- 36	- 48	- 56	- 36	- 8	+ 8	+ 14	+ 20	+ 26	+ 28	+ 24	+ 22	+ 10
March	+ 12	+ 14	+ 10	+ 4	+ 4	+ 12	+ 4	+ 10	+ 12	- 12	- 40	- 58	- 76	- 60	- 22	+ 4	+ 24	+ 16	+ 24	+ 22	+ 34	+ 26	+ 26	+ 12
April	+ 44	+ 42	+ 38	+ 38	+ 36	+ 6	+ 4	+ 22	+ 12	- 48	- 104	- 152	- 138	- 82	- 24	+ 12	+ 42	+ 46	+ 38	+ 34	+ 38	+ 34	+ 24	+ 30
May	+ 34	+ 38	+ 32	+ 50	+ 64	+ 48	+ 44	+ 40	- 4	- 78	- 142	- 196	- 182	- 100	- 12	+ 42	+ 54	+ 58	+ 48	+ 32	+ 26	+ 28	+ 42	+ 40
June	+ 18	+ 4	0	+ 22	+ 38	+ 34	+ 8	- 4	- 42	- 72	- 114	- 148	- 128	- 92	- 34	+ 32	+ 72	+ 94	+ 86	+ 82	+ 62	+ 40	+ 26	+ 20
July	+ 20	+ 20	+ 20	+ 18	+ 36	+ 24	+ 20	+ 32	+ 6	- 38	- 102	- 142	- 168	- 104	- 40	+ 24	+ 58	+ 80	+ 72	+ 56	+ 40	+ 34	+ 14	+ 16
August	+ 10	+ 10	+ 14	+ 16	+ 32	+ 30	+ 30	+ 22	- 16	- 50	- 74	- 120	- 134	- 80	- 22	+ 26	+ 40	+ 58	+ 68	+ 62	+ 38	+ 30	+ 12	+ 8
September	+ 33	+ 31	+ 23	+ 21	+ 25	+ 23	+ 35	+ 37	+ 29	- 9	- 53	- 93	- 103	- 95	- 65	- 13	+ 7	+ 3	+ 19	+ 39	+ 25	+ 25	+ 23	+ 29
October	+ 24	+ 20	+ 20	+ 24	+ 16	+ 6	+ 2	+ 12	+ 30	- 10	- 82	- 100	- 90	- 62	- 2	+ 28	+ 30	+ 30	+ 24	+ 22	+ 18	+ 22	+ 12	+ 12
November	- 6	- 2	- 4	+ 4	+ 12	+ 10	+ 4	+ 4	+ 16	0	- 36	- 60	- 60	- 40	+ 10	+ 24	+ 40	+ 44	+ 26	+ 20	+ 14	+ 14	- 4	- 32
December	+ 23	+ 25	+ 17	+ 17	+ 19	+ 7	- 13	- 15	- 3	- 25	- 49	- 61	- 51	- 23	+ 9	+ 27	+ 41	+ 33	+ 23	+ 7	+ 13	+ 5	- 9	- 7
Year	+ 20	+ 20	+ 18	+ 22	+ 27	+ 18	+ 10	+ 12	+ 1	- 33	- 71	- 101	- 102	- 69	- 21	+ 16	+ 36	+ 41	+ 39	+ 35	+ 30	+ 25	+ 16	+ 11
Winter	+ 10	+ 17	+ 14	+ 17	+ 17	+ 9	- 5	- 8	- 3	- 20	- 34	- 50	- 52	- 37	- 8	+ 9	+ 25	+ 28	+ 22	+ 19	+ 19	+ 14	+ 3	- 9
Equinox	+ 28	+ 27	+ 23	+ 22	+ 20	+ 12	+ 11	+ 20	+ 21	- 20	- 70	- 101	- 102	- 75	- 28	+ 8	+ 26	+ 24	+ 26	+ 29	+ 29	+ 27	+ 21	+ 21
Summer	+ 20	+ 18	+ 16	+ 26	+ 42	+ 34	+ 26	+ 22	- 14	- 60	- 108	- 152	- 153	- 94	- 27	+ 31	+ 56	+ 72	+ 68	+ 58	+ 42	+ 33	+ 23	+ 21

TABLE VII. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS  
DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

International Disturbed Days

DECLINATION WEST (Unit 0.01)

Month and Season, 1955	Universal Time. Hour commencing																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
January	-225	-95	-439	-23	+7	+57	+293	+113	+51	+3	+127	+133	+251	+351	+481	+207	+133	-181	-153	-263	-307	-215	-117	-195
February	-156	-136	-126	-58	-106	-270	-126	-46	-10	+40	+162	+374	+472	+472	+264	+314	+210	+4	-128	-254	-284	-180	-180	-252
March	-93	-89	-289	-443	-255	-205	-111	+29	+101	+37	+221	+409	+609	+723	+725	+343	+249	-55	-337	-383	-253	-477	-287	-179
April	-414	-268	-190	-134	-226	-184	-178	-210	-210	-42	+132	+404	+534	+668	+580	+488	+466	+436	+234	-112	-574	-428	-442	-328
May	-535	-433	-281	-213	-271	-203	-319	-415	-445	-211	+59	+439	+673	+685	+723	+659	+567	+479	+345	-29	-45	-289	-365	-573
June	-366	-238	-256	-242	-242	-428	-502	-564	-456	-276	-82	+246	+492	+620	+630	+640	+554	+382	+262	+104	+100	-72	-112	-194
July	-36	-64	-138	-282	-414	-456	-506	-424	-314	-184	+36	+170	+446	+576	+544	+472	+376	+284	+218	+156	-172	-170	-32	-88
August	-295	-353	-379	-293	-259	-257	-347	-213	-193	-137	+47	+359	+643	+743	+745	+581	+399	+205	-53	-47	-151	-241	-301	-207
September	-382	-44	-108	-136	-186	+44	+266	+74	-148	-110	+108	+346	+506	+496	+492	+402	+72	-60	-224	-254	-368	-308	-218	-268
October	-87	-129	-115	-45	-27	-25	-13	-125	-197	-133	+109	+425	+615	+787	+733	+611	+5	-249	-123	-393	-445	-491	-501	-183
November	-190	-138	-176	-76	+118	+112	+244	+36	-2	-36	+96	+284	+484	+654	+752	+530	+290	-208	-200	-568	-530	-456	-426	-596
December	-384	-178	-66	-34	-144	-26	-64	-10	-26	-14	+118	+286	+402	+502	+482	+498	+314	+150	+94	-2	-294	-654	-470	-490
Year	-264	-180	-214	-165	-167	-153	-114	-146	-154	-89	+94	+323	+511	+606	+596	+479	+303	+99	-5	-170	-277	-332	-288	-296
Winter	-239	-137	-202	-48	-31	-32	+87	+23	+3	-2	+126	+269	+402	+495	+495	+387	+237	-59	-97	-272	-354	-376	-298	-383
Equinox	-244	-132	-175	-189	-173	-92	-9	-58	-113	-62	+142	+396	+566	+668	+632	+461	+198	+18	-112	-285	-410	-426	-362	-239
Summer	-308	-272	-263	-257	-296	-336	-418	-404	-352	-202	+15	+304	+564	+656	+661	+588	+474	+338	+193	+46	-67	-193	-202	-265

INCLINATION (Unit 0.01)

January	-93	-15	-52	-63	-58	-36	-76	-33	-8	+29	+33	+40	+50	+12	+158	+173	+59	+43	+34	-12	-36	-35	-70	-48
February	-63	-62	-1	-33	-58	-73	-57	-114	-115	-79	+22	+65	+39	+36	+72	+65	+98	+68	+83	+100	+43	-5	-38	+14
March	-94	-84	-100	-89	-59	-95	-72	-28	-71	-44	-36	-19	+4	+10	+45	+139	+131	+170	+119	+115	+50	+11	-17	+20
April	-52	-69	-21	-21	-22	-13	+7	+35	+57	+85	+139	+87	+17	+17	+14	-10	-61	-64	-70	-49	+17	+25	+11	-65
May	-105	-108	-65	-96	-36	-3	+47	+63	+143	+210	+126	+53	+107	+98	+73	0	-42	-136	-164	-97	-61	-5	+38	-47
June	-75	-75	-116	-48	-87	-66	-1	+53	+139	+152	+146	+136	+103	+71	+86	+32	-6	-44	-72	-70	-100	-50	-60	-47
July	-60	-34	-24	-25	-18	-34	-18	+14	+28	+81	+81	+75	+28	+35	+44	+11	-9	-75	-54	-49	-13	-15	+4	+18
August	-100	-111	-100	-110	-83	-72	-11	+27	+128	+91	+121	+145	+154	+95	+111	+92	+32	-21	-30	-52	-84	-48	-90	-84
September	-100	-77	-137	-119	-156	-140	-131	-47	+25	+76	+142	+155	+121	+63	+41	+81	+150	+114	+97	+23	-5	-60	-34	-80
October	-107	-119	-121	-141	-171	-158	-140	-77	+11	+68	+122	+126	+76	+114	+119	+129	+128	+88	+137	+22	-53	+25	-22	-63
November	-140	-205	-179	-188	-197	-215	-222	-160	-88	-16	+85	+113	+79	+27	+95	+167	+155	+240	+242	+237	+138	+68	-27	-20
December	-50	-56	-52	-97	-130	-135	-145	-124	-102	-57	-2	+28	+1	+2	+75	+71	+128	+54	+80	+119	+134	+66	+92	+94
Year	-87	-85	-81	-86	-90	-87	-68	-33	+12	+50	+82	+84	+65	+48	+78	+79	+64	+36	+34	+24	+3	-2	-18	-26
Winter	-86	-84	-71	-95	-111	-115	-125	-108	-78	-31	+35	+62	+42	+19	+100	+119	+110	+101	+110	+111	+70	+24	-11	+10
Equinox	-88	-87	-95	-92	-102	-101	-84	-29	+5	+46	+92	+87	+54	+51	+55	+85	+87	+77	+71	+28	+2	0	-15	-47
Summer	-85	-82	-76	-70	-56	-44	+4	+39	+110	+134	+119	+102	+98	+75	+79	+34	-6	-69	-80	-67	-64	-29	-27	-40

HORIZONTAL INTENSITY (Unit 0.1γ)

January	+118	-54	+8	+30	+10	-16	+58	+16	+4	-38	-30	-38	-48	+18	-190	-202	-28	-2	0	+58	+80	+68	+106	+74
February	+101	+87	-13	+13	+45	+67	+55	+139	+143	+87	-57	-119	-77	-57	-81	-61	-99	-53	-81	-103	-23	+31	+65	-19
March	+115	+93	+97	+81	+45	+103	+65	+5	+65	+15	-9	-43	-71	-49	-51	-99	-83	-147	-65	-89	-13	+27	+33	-29
April	-15	+27	-29	-5	+17	+5	-19	-57	-89	-145	-237	-163	-45	-31	+3	+49	+139	+163	+195	+167	+55	-19	-37	+75
May	+108	+112	+56	+112	+34	-16	-78	-94	-232	-348	-228	-134	-212	-162	-96	+46	+120	+268	+318	+210	+150	+58	-32	+50
June	+99	+93	+135	+33	+99	+69	-7	-77	-213	-247	-263	-257	-199	-127	-127	-27	+51	+125	+173	+165	+203	+109	+111	+77
July	+87	+27	+15	+29	+35	+53	+25	-23	-65	-157	-161	-173	-101	-91	-79	+3	+47	+163	+133	+129	+65	+53	+7	-11
August	+115	+131	+119	+149	+115	+93	-3	-71	-235	-191	-247	-291	-299	-173	-145	-69	+41	+137	+141	+153	+175	+101	+143	+115
September	+123	+77	+153	+133	+193	+161	+145	+27	-67	-147	-251	-267	-205	-89	-37	-75	-147	-75	-57	+35	+59	+117	+63	+127
October	+122	+136	+138	+158	+200	+188	+164	+90	-34	-128	-220	-220	-130	-166	-142	-130	-88	-32	-114	+48	+106	-36	+22	+74
November	+181	+235	+189	+203	+217	+233	+243	+165	+71	-33	-183	-209	-127	-23	-35	-111	-139	-251	-241	-245	-125	-57	+41	+11
December	+53	+59	+47	+111	+153	+161	+169	+149	+123	+57	-25	-69	-21	-5	-101	-81	-143	-25	-55	-113	-135	-41	-121	-137
Year	+101	+85	+76	+87	+97	+92	+68	+22	-44	-106	-159	-165	-128	-80	-90	-63	-27	+23	+29	+35	+50	+34	+33	+34
Winter	+113	+82	+58	+89	+106	+111	+131	+117	+85	+18	-74	-109	-68	-17	-102	-114	-102	-83	-94	-101	-51	0	+23	-18
Equinox	+86	+83	+90	+92	+114	+114	+89	+16	-31	-101	-179	-173	-113	-84	-57	-64	-45	-23	-10	+40	+52	+22	+20	+62
Summer	+102	+91	+81	+81	+71	+50	-16	-66	-186	-236	-225	-214	-203	-138	-112	-12	+65	+173	+191	+164	+148	+80	+57	+58

TABLE VII. - MEAN DIURNAL INEQUALITIES OF GEOGRAPHICAL COMPONENTS OF MAGNETIC INTENSITY

International Disturbed Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1955	Universal Time. Hour commencing																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
January	+135	-45	+44	+32	+9	-21	+33	+6	0	-38	-40	-49	-68	-11	-227	-217	-39	+13	+13	+79	+104	+85	+114	+89
February	+113	+97	-2	+18	+53	+89	+65	+141	+142	+83	-70	-149	-115	-95	-102	-86	-111	-53	-69	-81	+1	+46	+79	+2
March	+121	+99	+120	+117	+66	+119	+73	+3	+56	+12	-27	-76	-121	-108	-110	-126	-103	-141	-36	-56	+8	+66	+56	-14
April	+19	+49	-13	+6	+35	+20	-4	-39	-71	-140	-246	-194	-89	-86	-45	+8	+99	+123	+173	+174	+102	+17	0	+101
May	+151	+146	+79	+128	+56	+1	-51	-59	-192	-326	-230	-169	-265	-217	-155	-9	+72	+225	+286	+210	+152	+81	-1	+97
June	+128	+112	+155	+53	+118	+104	+35	-29	-173	-221	-253	-274	-237	-177	-178	-80	+5	+92	+149	+154	+192	+114	+119	+92
July	+89	+32	+26	+52	+69	+90	+67	+12	-38	-140	-162	-185	-137	-138	-123	-36	+15	+138	+113	+115	+78	+66	+10	-4
August	+138	+159	+149	+171	+135	+113	+26	-53	-216	-177	-248	-317	-349	-232	-205	-116	+8	+118	+144	+155	+185	+120	+166	+131
September	+153	+80	+160	+143	+206	+155	+121	+21	-54	-136	-257	-292	-244	-129	-77	-107	-151	-69	-38	+56	+89	+141	+80	+148
October	+128	+145	+146	+160	+200	+188	+163	+99	-17	-115	-226	-253	-179	-229	-201	-179	-87	-11	-102	+80	+142	+5	+63	+88
November	+195	+244	+201	+207	+205	+221	+220	+160	+70	-30	-189	-230	-166	-77	-97	-153	-161	-231	-222	-195	-80	-19	+76	+60
December	+84	+73	+52	+112	+163	+161	+172	+148	+124	+57	-34	-92	-54	-46	-140	-121	-167	-37	-62	-111	-109	+14	-81	-95
Year	+121	+99	+93	+100	+110	+103	+77	+34	-31	-98	-165	-190	-169	-129	-138	-102	-52	+14	+29	+48	+72	+61	+57	+58
Winter	+132	+92	+74	+92	+107	+112	+122	+114	+84	+18	-88	-130	-101	-57	-141	-144	-119	-77	-85	-77	-21	+32	+47	+14
Equinox	+105	+93	+103	+106	+127	+120	+88	+21	-21	-95	-189	-204	-158	-138	-108	-101	-60	-24	-1	+63	+85	+57	+50	+81
Summer	+126	+112	+102	+101	+94	+77	+19	-32	-155	-216	-223	-236	-247	-191	-165	-60	+25	+143	+173	+158	+152	+95	+73	+79

WEST COMPONENT (Unit 0.1γ)

January	-103	-59	-235	-8	+5	+28	+167	+63	+28	-4	+64	+66	+128	+192	+230	+81	+67	-98	-82	-133	-153	-106	-47	-94
February	-69	-60	-70	-29	-50	-135	-60	-4	+16	+35	+79	+183	+243	+246	+130	+160	+98	-6	-81	-153	-157	-92	-87	-139
March	-33	-34	-141	-226	-131	-95	-50	+16	+64	+22	+118	+214	+317	+382	+383	+170	+122	-52	-191	-220	-138	-253	-150	-101
April	-225	-140	-107	-73	-119	-98	-99	-122	-127	-45	+35	+193	+281	+355	+313	+270	+272	+260	+156	-35	-301	-234	-244	-165
May	-272	-216	-143	-98	-141	-112	-184	-238	-275	-167	-3	+216	+330	+345	+375	+362	+324	+299	+234	+16	-1	-147	-202	-301
June	-182	-114	-117	-125	-115	-220	-272	-316	-273	-186	-84	+94	+235	+315	+320	+341	+306	+225	+167	+81	+85	-22	-43	-93
July	-6	-30	-72	-148	-218	-238	-269	-232	-179	-123	-5	+65	+225	+297	+281	+255	+210	+178	+138	+104	-83	-84	-16	-49
August	-141	-170	-186	-135	-122	-124	-187	-126	-140	-103	-12	+149	+301	+374	+379	+303	+221	+131	-7	-2	-55	-115	-140	-94
September	-187	-12	-35	-53	-71	+48	+165	+44	-90	-82	+20	+146	+242	+254	+260	+205	+16	-44	-129	-133	-189	-148	-108	-125
October	-28	-49	-41	0	+16	+15	+18	-54	-111	-91	+25	+196	+312	+399	+373	+310	-11	-139	-84	-204	-224	-270	-267	-87
November	-75	-39	-66	-10	+97	+96	+168	+44	+10	-24	+24	+121	+242	+349	+400	+269	+135	-150	-144	-343	-305	-254	-223	-320
December	-199	-87	-28	-1	-54	+10	-9	+17	+5	+1	+60	+144	+213	+270	+244	+256	+147	+77	+42	-18	-179	-359	-272	-285
Year	-127	-84	-103	-75	-75	-69	-51	-76	-89	-64	+27	+149	+256	+315	+307	+248	+159	+57	+2	-87	-142	-174	-150	-154
Winter	-111	-61	-100	-12	0	0	+66	+30	+15	+2	+57	+128	+206	+264	+251	+192	+112	-44	-66	-162	-198	-203	-157	-209
Equinox	-118	-59	-81	-88	-76	-32	+9	-29	-66	-49	+49	+187	+288	+348	+332	+239	+100	+6	-62	-148	-213	-226	-192	-119
Summer	-150	-133	-130	-127	-149	-174	-228	-228	-217	-145	-26	+131	+273	+333	+339	+315	+265	+208	+133	+50	-14	-92	-100	-134

VERTICAL COMPONENT (Unit 0.1γ)

January	-48	-176	-162	-148	-176	-160	-130	-78	-20	+14	+46	+50	+62	+84	+108	+132	+138	+144	+116	+92	+60	+36	+2	+4
February	+17	-13	-33	-83	-95	-99	-71	-73	-67	-71	-55	-51	-43	-7	+63	+83	+111	+113	+99	+109	+97	+53	+19	+3
March	-59	-77	-123	-121	-101	-89	-99	-87	-95	-117	-145	-165	-151	-79	+39	+251	+261	+249	+261	+193	+143	+99	+17	+3
April	-214	-176	-140	-84	-38	-32	-18	-10	-8	-42	-66	-74	-46	-14	+62	+78	+120	+154	+210	+218	+186	+44	-46	-52
May	-114	-116	-94	-74	-46	-48	-16	+2	-40	-78	-90	-126	-120	-36	+30	+106	+132	+148	+166	+150	+134	+116	+58	-48
June	-30	-44	-90	-90	-72	-60	-18	+4	-10	-46	-102	-124	-102	-48	+4	+50	+96	+138	+150	+140	+124	+78	+48	+16
July	-8	-56	-48	-20	+20	+4	-4	-4	-52	-84	-92	-140	-138	-88	-30	+46	+78	+116	+122	+130	+104	+70	+30	+36
August	-81	-83	-69	-35	-23	-33	-45	-71	-101	-127	-153	-171	-157	-71	+49	+159	+205	+245	+223	+173	+115	+67	+19	-25
September	-60	-90	-120	-106	-92	-114	-118	-100	-70	-78	-88	-82	-54	+14	+58	+108	+180	+220	+204	+162	+118	+62	+28	+16
October	-88	-98	-98	-122	-130	-112	-104	-58	-40	-60	-88	-74	-36	+12	+84	+146	+238	+232	+210	+186	+62	+2	-24	-48
November	-65	-165	-181	-183	-181	-205	-205	-173	-139	-133	-129	-91	-21	+41	+247	+321	+215	+251	+279	+255	+189	+105	+3	-45
December	-52	-58	-70	-78	-96	-96	-112	-84	-70	-66	-66	-64	-46	-6	+26	+60	+112	+130	+148	+152	+150	+132	+38	+10
Year	-67	-96	-102	-95	-86	-87	-78	-61	-59	-74	-86	-93	-71	-16	+62	+128	+157	+178	+182	+163	+124	+72	+16	-11
Winter	-37	-103	-111	-123	-137	-140	-129	-102	-74	-64	-51	-39	-12	+28	+111	+149	+144	+160	+161	+152	+124	+82	+16	-7
Equinox	-105	-110	-120	-108	-90	-87	-85	-64	-53	-74	-97	-99	-72	-17	+61	+146	+200	+214	+221	+190	+127	+52	-6	-20
Summer	-58	-75	-75	-55	-30	-34	-21	-17	-51	-84	-109	-140	-129	-61	+13	+90	+128	+162	+165	+148	+119	+83	+39	-5

TABLE VIII. - HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC INTENSITY

Values of  $a_n, b_n$  in the series  $\sum (a_n \cos nt + b_n \sin nt)$ ,  $t$  being reckoned in hours from  $0^h$  U.T. and converted into arc at the rate of  $15^\circ$  to each hour.

Month and Season	NORTH COMPONENT								WEST COMPONENT								VERTICAL COMPONENT							
	$a_1$	$b_1$	$a_2$	$b_2$	$a_3$	$b_3$	$a_4$	$b_4$	$a_1$	$b_1$	$a_2$	$b_2$	$a_3$	$b_3$	$a_4$	$b_4$	$a_1$	$b_1$	$a_2$	$b_2$	$a_3$	$b_3$	$a_4$	$b_4$
All Days																								
January	-0.3	+1.4	-1.0	-1.9	+0.7	-1.1	-0.1	+0.2	-9.9	-1.8	-0.3	+2.6	-0.1	-1.2	+1.7	+0.8	+0.7	-3.2	-0.7	-0.7	0.0	+0.2	-0.3	-0.3
February	+0.3	+4.6	+0.4	-2.3	+1.6	-1.6	0.0	+0.8	-11.0	-3.3	+2.7	+2.5	0.0	-1.1	+0.6	+0.7	+3.3	-4.6	-1.7	-0.6	+0.1	+0.7	-0.6	-0.3
March	+4.3	+2.6	-1.3	-1.8	+0.8	-0.6	-0.4	+0.1	-13.5	-5.6	+4.8	+5.9	-0.2	-3.3	+1.6	+2.3	+4.2	-6.2	-4.7	-0.4	+1.6	+0.4	-0.7	-0.2
April	+8.8	-1.3	-4.0	-1.6	+2.0	-1.0	+0.4	+0.5	-14.0	-11.3	+3.7	+8.9	-2.2	-2.1	+2.8	+1.9	+4.5	-5.5	-6.3	-0.6	+0.9	+0.1	-1.1	+0.4
May	+11.5	-6.0	-4.6	+0.3	+0.2	0.0	+1.3	+0.3	-9.0	-17.2	+4.5	+9.0	-4.5	-2.4	+1.4	+0.0	+5.4	-3.8	-6.5	-0.4	+2.3	-0.4	-1.3	-0.1
June	+13.9	-4.1	-6.6	+0.8	-0.1	-1.3	+1.2	0.0	-6.8	-18.5	+6.1	+8.4	-3.4	-1.6	+0.4	-0.3	+4.8	-4.3	-5.7	-0.5	+1.5	-0.2	-0.5	+0.3
July	+12.7	-2.6	-7.0	-0.7	+0.3	-0.4	+0.1	-0.1	-7.2	-18.0	+5.8	+9.8	-2.5	-2.4	+0.4	+0.9	+5.6	-3.2	-5.9	-0.8	+1.7	+0.7	-0.4	-0.5
August	+12.7	-3.0	-4.2	+0.1	-1.2	-1.2	+0.9	-0.1	-10.5	-13.5	+7.2	+6.7	-4.5	-2.6	+0.9	+1.2	+4.5	-3.7	-6.3	+0.1	+2.1	+0.2	-0.7	-0.4
September	+14.4	+1.4	-5.0	+1.3	+0.6	-3.6	+0.3	+1.7	-11.1	-7.2	+5.5	+7.4	-3.4	-4.1	+1.5	+1.3	+2.7	-5.2	-4.1	-0.5	+1.8	-0.1	-0.6	+0.2
October	+11.1	+2.7	-5.2	-1.3	+1.0	-2.5	+0.4	+0.8	-9.2	-5.8	+3.7	+8.9	-3.3	-5.2	+1.9	+1.9	+1.5	-4.8	-4.2	+0.2	+1.8	+1.0	-1.1	+0.3
November	+8.6	+6.2	-4.2	-1.2	+2.4	-2.2	-0.5	+0.8	-9.5	-3.3	+1.4	+8.6	-1.2	-3.9	+1.1	+1.2	+0.4	-7.3	-2.8	+0.4	+1.0	0.0	-1.4	0.0
December	+3.0	+5.8	-3.7	-2.2	+0.6	-0.6	+0.1	0.0	-9.9	-3.5	+1.5	+6.1	-1.0	-1.1	+0.6	+1.7	+2.2	-4.9	-2.3	+0.1	+0.8	+0.3	-1.0	-0.3
Year	+8.4	+0.6	-3.9	-0.9	+0.7	-1.4	+0.3	+0.4	-10.1	-9.1	+3.6	+7.1	-2.2	-2.6	+1.2	+1.1	+3.3	-4.7	-4.3	-0.3	+1.3	+0.2	-0.8	-0.1
Winter	+2.9	+4.5	-2.1	-1.9	+1.3	-1.4	-0.1	+0.4	-10.0	-3.0	+0.5	+5.0	-0.6	-1.8	+1.0	+1.1	+1.7	-5.0	-1.9	-0.2	+0.5	+0.3	-0.8	-0.2
Equinox	+9.6	+1.3	-3.9	-0.9	+1.1	-1.9	+0.2	+0.8	-11.9	-7.5	+4.4	+7.8	-2.3	-3.7	+2.0	+1.8	+3.2	-5.4	-4.8	-0.3	+1.5	+0.4	-0.9	+0.2
Summer	+12.7	-4.0	-5.6	+0.1	-0.2	-0.8	+0.9	0.0	-8.4	-16.8	+5.9	+8.5	-3.7	-2.2	+0.8	+0.5	+5.1	-3.7	-6.1	-0.4	+1.9	+0.1	-0.7	-0.2
INTERNATIONAL QUIET DAYS																								
Year	+6.4	-0.8	-3.9	-0.7	+0.9	-1.0	0.0	+0.2	-5.8	-10.1	+3.7	+5.8	-3.1	-3.0	+1.5	+1.1	+4.2	-1.2	-3.7	+0.1	+1.7	+0.2	-0.9	-0.2
Winter	+1.9	+0.9	-3.1	-2.2	+1.7	-1.0	-0.7	+0.2	-5.3	-3.8	+0.2	+3.5	-1.4	-1.9	+1.2	+1.2	+2.2	-1.3	-2.0	+0.2	+0.5	+0.3	-0.6	-0.3
Equinox	+6.0	+0.6	-4.0	-1.3	+1.3	-0.7	+0.1	+0.8	-6.0	-9.4	+3.6	+5.5	-3.3	-4.2	+2.4	+1.4	+4.3	-0.4	-3.1	-0.4	+2.0	+0.4	-1.2	0.0
Summer	+11.3	-3.9	-4.7	+1.4	-0.4	-1.4	+0.7	-0.4	-6.3	-17.0	+7.3	+8.4	-4.5	-2.8	+0.8	+0.6	+6.0	-1.9	-6.0	+0.4	+2.4	0.0	-0.8	-0.2
INTERNATIONAL DISTURBED DAYS																								
Year	+12.6	+1.3	-5.1	-0.9	+0.5	-1.2	+0.6	+0.8	-16.3	-7.4	+2.6	+10.7	-0.4	-3.1	+1.1	+1.4	+0.5	-12.6	-5.9	-1.0	+1.3	+0.3	-0.7	-0.1
Winter	+7.6	+8.5	-1.5	-2.1	-1.9	-1.8	0.0	+1.3	-16.4	-1.1	+1.1	+8.2	+0.8	-4.2	+0.2	+0.8	-1.4	-14.2	-2.3	-0.6	+0.9	+0.4	-1.0	+0.2
Equinox	+12.9	+1.4	-5.1	-0.8	+0.2	-2.5	-0.1	+0.9	-18.2	-2.0	+4.5	+12.3	+0.6	-3.6	+2.2	+3.0	-0.5	-14.6	-7.7	-1.1	+1.4	+0.8	-0.5	-0.4
Summer	+17.4	-6.1	-8.8	+0.2	-0.5	+0.7	+2.0	+0.1	-14.2	-19.2	+2.3	+11.5	-2.7	-1.5	+0.9	+0.5	+3.4	-9.0	-7.8	-1.2	+1.6	-0.2	-0.7	-0.4

TABLE IX. - HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC INTENSITY

Values of  $c_n, \alpha_n$  in the series  $\sum c_n \sin(nT + \alpha_n)$ ,  $T$  being reckoned in hours from midnight, Abinger Local Mean Time, and converted into arc at the rate of  $15^\circ$  to each hour. New phase-angles expressing the inequalities relative to Local Apparent Time may be obtained from the tabulated angles by applying corrections  $\alpha, 2\alpha, 3\alpha, 4\alpha$  respectively, where  $\alpha$  has the following values:-

January	+2°19'	April	+0°4'	July	+1°22'	October	-3°28'	Winter	+0°12'
February	+3 28	May	-0 51	August	+0 59	November	-3 42	Equinox	-0 36
March	+2 12	June	+0 5	September	-1 12	December	-1 6	Summer	+0 24

Month and Season	NORTH COMPONENT								WEST COMPONENT								VERTICAL COMPONENT							
	$c_1$	$\alpha_1$	$c_2$	$\alpha_2$	$c_3$	$\alpha_3$	$c_4$	$\alpha_4$	$c_1$	$\alpha_1$	$c_2$	$\alpha_2$	$c_3$	$\alpha_3$	$c_4$	$\alpha_4$	$c_1$	$\alpha_1$	$c_2$	$\alpha_2$	$c_3$	$\alpha_3$	$c_4$	$\alpha_4$
All Days																								
January	1.4	350	2.2	208	1.2	149	0.2	333	10.0	260	2.6	353	1.2	186	1.8	67	3.3	169	1.0	225	0.2	348	0.4	230
February	4.6	4	2.4	171	2.3	136	0.8	5	11.5	254	3.7	48	1.1	180	1.0	44	5.6	144	1.8	252	0.8	10	0.7	248
March	5.1	59	2.3	217	1.0	131	0.4	279	14.6	248	7.6	40	3.4	184	2.8	36	7.5	146	4.7	266	1.7	77	0.7	258
April	8.8	99	4.3	249	2.2	117	0.6	40	18.0	231	9.6	23	3.0	226	3.4	58	7.1	142	6.4	266	0.9	85	1.2	292
May	13.0	118	4.6	275	0.2	104	1.3	80	19.4	208	10.1	27	5.1	244	1.4	90	6.6	125	6.5	268	2.3	102	1.3	269
June	14.5	107	6.7	278	1.3	187	1.2	92	19.7	200	10.4	37	3.8	245	0.5	130	6.4	132	5.7	266	1.5	99	0.6	302
July	13.0	102	7.0	265	0.5	138	0.1	125	19.4	202	11.3	31	3.5	227	1.0	24	6.5	120	6.0	264	1.8	68	0.7	218
August	13.0	104	4.2	272	1.8	226	0.9	100	17.1	218	9.8	48	5.2	242	1.5	40	5.8	130	6.3	272	2.2	86	0.8	242
September	14.4	85	5.2	286	3.6	172	1.8	13	13.2	237	9.3	37	5.4	221	2.0	51	5.9	154	4.1	264	1.8	96	0.6	290
October	11.5	77	5.4	256	2.7	159	0.9	26	10.8	238	9.7	23	6.1	213	2.7	47	5.0	163	4.2	274	2.0	63	1.2	286
November	10.6	55	4.4	256	3.2	134	1.0	329	10.0	251	8.7	10	4.1	198	1.6	42	7.3	177	2.9	278	1.0	93	1.4	272
December	6.6	28	4.3	240	0.9	135	0.1	62	10.5	251	6.3	15	1.5	224	1.8	22	5.4	156	2.3	274	0.9	70	1.0	256
Year	8.4	86	4.0	258	1.5	153	0.5	40	13.6	228	8.0	28	3.4	221	1.7	49	5.8	145	4.3	267	1.3	81	0.8	267
Winter	5.4	33	2.8	229	1.9	138	0.5	347	10.5	254	5.0	7	1.9	198	1.5	44	5.3	162	1.9	265	0.6	59	0.8	256
Equinox	9.7	82	4.0	258	2.2	152	0.8	14	14.1	238	9.0	30	4.3	213	2.7	48	6.3	150	4.8	267	1.6	78	0.9	283
Summer	13.3	108	5.6	272	0.8	196	0.9	91	18.7	207	10.3	36	4.4	240	0.9	60	6.3	127	6.1	267	1.9	89	0.8	258
INTERNATIONAL QUIET DAYS																								
Year	6.5	97	4.0	261	1.4	141	0.2	16	11.6	210	6.9	33	4.3	227	1.8	56	4.3	107	3.7	272	1.7	84	0.9	260
Winter	2.1	65	3.8	236	2.0	121	0.7	287	6.5	234	3.5	4	2.4	217	1.7	46	2.5	121	2.0	278	0.6	57	0.7	246
Equinox	6.1	84	4.2	252	1.5	120	0.8	11	11.2	213	6.6	34	5.4	219	2.8	61	4.4	96	3.2	264	2.1	82	1.2	274
Summer	12.0	109	4.9	288	1.4	196	0.8	120	18.1	201	11.1	42	5.3	240	1.0	56	6.3	108	6.0	275	2.4	91	0.8	255
INTERNATIONAL DISTURBED DAYS																								
Year	12.7	84	5.2	260	1.3	158	1.0	41	17.9	246	11.0	15	3.1	190	1.8	40	12.6	178	6.0	262	1.3	78	0.8	262
Winter	11.4	42	2.6	216	2.6	227	1.3	359	16.4	267	8.3	8	4.3	170	0.8	14	14.2	186	2.4	256	1.0	69	1.0	284
Equinox	13.0	84	5.2	261	2.5	176	0.9	353	18.4	264	13.1	21	3.7	172	3.7	39	14.6	182	7.7	262	1.6	61	0.6	234
Summer	18.5	110	8.8	272	0.9	326	2.0	88	23.9	217	11.7	12	3.1	243	1.1	62	9.6	160	7.9	262	1.6	100	0.8	245

TABLE X. - RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF 1955

Month and Season	All Days			Quiet Days			Disturbed Days			All Days			Quiet Days			Disturbed Days		
	D	I	H	D	I	H	D	I	H	X	Y	Z	X	Y	Z	X	Y	Z
January	4.59	0.66	8.9	2.66	0.83	10.4	9.20	2.66	32.0	7.5	25.0	7.4	9.7	15.1	8.0	36.2	46.5	32.0
February	5.00	1.27	14.5	3.98	0.83	10.8	7.56	2.15	26.2	15.6	27.9	13.0	9.8	22.7	8.4	29.1	40.3	21.2
March	7.90	0.90	9.4	5.44	0.62	11.2	12.02	2.70	26.2	14.2	42.0	21.2	12.0	28.8	11.0	26.2	63.6	42.6
April	8.63	1.12	21.3	8.46	0.90	19.0	12.42	2.09	43.2	24.7	46.1	25.2	20.6	44.6	19.8	42.0	65.6	43.2
May	9.53	1.77	33.2	10.22	1.67	26.8	12.96	3.74	66.6	29.7	52.5	25.1	23.7	56.1	26.0	61.2	67.6	29.2
June	9.93	1.85	35.5	9.36	1.90	36.6	12.04	2.68	46.6	34.5	53.4	23.5	35.0	51.1	24.2	46.6	65.7	27.4
July	10.01	1.62	31.3	11.38	1.79	30.2	10.82	1.56	33.6	32.8	53.8	23.9	29.0	61.5	24.8	32.3	56.6	27.0
August	9.14	1.58	27.6	9.56	1.61	26.2	11.24	2.65	47.4	28.8	49.4	23.1	24.2	52.1	20.2	53.4	56.6	41.6
September	7.72	2.01	32.4	7.52	1.51	26.0	8.88	3.11	46.0	35.2	42.0	18.2	26.3	40.2	14.2	49.8	44.9	34.0
October	7.73	1.62	26.3	7.34	0.80	16.0	12.88	3.08	42.0	28.5	40.8	17.7	16.9	40.2	13.0	45.3	66.9	36.8
November	6.41	1.78	26.9	6.36	1.39	23.6	13.48	4.64	49.4	28.5	32.8	15.6	25.5	34.1	10.4	47.4	74.3	52.6
December	5.87	1.36	15.6	3.82	0.75	13.2	11.56	2.79	31.2	17.7	30.9	13.2	14.3	19.6	10.2	33.9	62.9	26.4
Year	7.70	1.46	23.6	7.18	1.22	20.8	11.25	2.82	40.9	24.8	41.4	18.9	20.6	38.8	15.8	42.0	59.3	34.5
Winter	5.47	1.27	16.5	4.20	0.95	14.5	10.45	3.06	34.7	17.3	29.1	12.3	14.8	22.9	9.2	36.6	56.0	33.0
Equinox	8.00	1.41	22.4	7.19	0.96	18.0	11.55	2.74	39.4	25.6	42.7	20.6	19.0	38.4	14.5	40.8	60.2	39.2
Summer	9.65	1.70	31.9	10.13	1.74	30.0	11.76	2.66	48.6	31.4	52.3	23.9	28.0	55.2	23.8	48.4	61.6	31.3

TABLE XI. - NON-CYCLIC CHANGE (24<sup>h</sup> minus 0<sup>h</sup>)

Month 1955	All Days			Quiet Days			Disturbed Days		
	Declination West	Horizontal Intensity	Vertical Intensity	Declination West	Horizontal Intensity	Vertical Intensity	Declination West	Horizontal Intensity	Vertical Intensity
January	-0.03	+0.2	0.0	+0.24	+4.2	-1.6	+0.76	-1.4	-0.6
February	-0.01	-0.4	+0.3	-0.38	-10.6	0.0	-0.38	+7.0	+0.2
March	0.00	0.0	-0.1	+0.14	+3.0	-1.0	+0.08	-13.0	-6.8
April	-0.04	+0.5	+0.1	+0.18	+3.8	-0.4	+2.58	-3.4	+5.8
May	-0.03	+0.4	0.0	-0.12	+2.6	-0.6	+0.04	-8.8	+0.4
June	+0.04	+0.3	+0.1	+0.18	-0.8	-0.6	+2.28	-7.4	+1.4
July	-0.03	-0.2	+0.1	-0.40	-2.4	-0.8	-0.28	-6.0	+2.2
August	-0.10	-0.1	-0.1	0.00	+3.6	-0.2	+0.22	-5.0	+3.4
September	-0.04	-0.3	0.0	-0.14	+5.2	-1.6	+0.98	-4.4	-2.2
October	+0.01	-0.8	+0.3	-0.52	+0.8	+0.4	-0.04	-8.0	-0.5
November	+0.06	+0.9	0.0	+0.28	+4.6	-2.4	-2.56	-9.8	+1.4
December	-0.19	+0.2	0.0	-0.12	+3.2	-2.8	-2.24	-17.0	+5.0
Year	..	..	..	-0.06	+1.4	-1.0	+0.12	-6.4	+0.8

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

Month 1955	Declination West	Inclination	Intensity				
			Horizontal	North	West	Vertical	Total
January	8 47.1	66 37.8	.18727	.18507	.02860	.43339	.47212
February	8 46.2	66 37.6	.18731	.18512	.02856	.43339	.47214
March	8 45.6	66 37.7	.18730	.18512	.02852	.43343	.47217
April	8 45.0	66 37.4	.18734	.18516	.02850	.43341	.47217
May	8 44.3	66 37.2	.18738	.18520	.02847	.43343	.47220
June	8 43.9	66 36.9	.18744	.18527	.02845	.43346	.47225
July	8 43.4	66 36.6	.18749	.18532	.02844	.43346	.47227
August	8 42.9	66 36.8	.18747	.18531	.02840	.43348	.47229
September	8 42.1	66 37.2	.18740	.18525	.02835	.43349	.47226
October	8 41.6	66 37.4	.18740	.18525	.02832	.43353	.47230
November	8 40.7	66 38.1	.18734	.18519	.02827	.43364	.47237
December	8 40.4	66 37.2	.18747	.18532	.02827	.43361	.47240
Year	8 43.6	66 37.3	.18738	.18521	.02843	.43348	.47224



TABLE XIII. - DAILY MEAN VALUE OF THE BASE-LINE OF THE DECLINATION MAGNETOGRAMS

Day	January	February	March	April	May	June	July	August	September	October	November	December
	o /	o /	o /	o /	o /	o /	o /	o /	o /	o /	o /	o /
1	8 9.8	8 9.6	8 9.6	8 9.5	8 9.8	8 9.7	8 10.0	8 10.1	8 9.9	8 9.8	8 9.6	8 9.7
2	9.8	9.7	9.6	9.5	9.7	9.7	10.0	10.1	9.8	9.8	9.6	9.7
3	9.9	9.6	9.6	9.6	9.6	9.7	10.0	10.1	9.8	9.8	9.6	9.6
4	9.8	9.6	9.6	9.7	9.6	9.8	10.1	10.1	10.0	9.9	9.6	9.6
5	9.8	9.5	9.5	9.6	9.6	9.7	10.1	10.1	10.0	9.8	9.6	9.7
6	9.9	9.5	9.6	9.6	9.6	9.8	10.2	10.1	9.9	9.8	9.7	9.5
7	9.8	9.5	9.6	9.6	9.7	9.8	10.2	10.1	9.9	9.8	9.6	9.5
8	9.8	9.6	9.6	9.6	9.7	9.7	10.2	10.1	9.9	9.8	9.6	9.5
9	9.8	9.6	9.6	9.5	9.8	9.8	10.1	10.0	10.0	9.8	9.6	9.6
10	9.8	9.6	9.6	9.6	9.8	9.8	10.1	10.0	10.0	9.8	9.6	9.8
11	9.8	9.6	9.5	9.5	9.6	10.0	10.2	10.1	9.9	9.7	9.7	9.6
12	9.8	9.6	9.6	9.6	9.7	9.9	10.1	10.1	9.8	9.6	9.8	9.7
13	9.8	9.6	9.6	9.7	9.9	9.8	10.1	10.1	9.9	9.6	9.8	9.6
14	9.7	9.7	9.6	9.6	9.8	9.8	-	10.1	9.9	9.6	9.8	9.5
15	9.6	9.6	9.5	9.6	9.9	9.8	10.1	10.1	9.9	9.6	9.8	9.6
16	9.6	9.6	9.5	9.6	9.7	9.8	10.1	10.1	9.9	9.8	9.8	9.7
17	9.7	9.6	9.5	9.6	9.8	9.8	10.1	10.1	9.9	9.6	9.8	9.6
18	9.8	9.6	9.5	9.7	9.8	9.8	10.1	10.0	9.9	9.6	9.7	9.7
19	9.8	9.6	9.5	9.7	9.8	9.9	10.1	10.1	9.9	9.7	9.8	9.7
20	9.7	9.6	9.5	9.7	9.7	9.9	10.1	10.1	9.9	-	9.8	9.6
21	9.6	9.6	9.5	9.7	9.7	10.0	10.1	10.1	9.9	-	9.8	9.6
22	9.7	9.6	9.4	9.8	9.7	10.0	10.1	10.1	9.9	9.6	9.7	9.7
23	9.7	9.7	9.4	9.6	9.8	10.0	10.0	10.1	10.0	9.5	9.7	9.7
24	9.7	9.6	9.4	9.5	9.8	10.1	10.0	10.0	9.9	9.6	9.7	9.6
25	9.6	9.6	9.4	9.6	9.8	10.0	10.0	10.0	9.8	-	9.8	9.5
26	9.6	9.7	9.4	9.6	9.9	10.2	10.1	9.9	9.9	9.6	9.8	9.6
27	9.7	9.6	9.6	9.8	9.8	10.2	10.2	10.0	9.8	9.6	9.8	9.6
28	9.6	9.6	9.5	9.5	9.8	10.1	9.8	10.0	9.8	9.7	9.7	9.6
29	9.6		9.5	9.5	9.8	10.1	9.9	10.0	9.8	9.9	9.8	9.6
30	9.7		9.5	9.7	9.7	10.0	10.1	10.0	9.7	9.7	9.8	9.7
31	9.6		9.5		9.6		10.2	10.0		9.5		9.6

MAGNETIC OBSERVATIONS, ABINGER, 1955.

TABLE XIV. - RESULTS OF THE DETERMINATIONS OF THE ABSOLUTE VALUE OF HORIZONTAL INTENSITY FROM OBSERVATIONS MADE WITH THE SCHUSTER-SMITH COIL MAGNETOMETER IN THE MAGNETIC PAVILION AT ABINGER, WITH THE DEDUCED VALUES OF THE BASE-LINE OF THE HORIZONTAL INTENSITY MAGNETOGRAMS

Universal Time				No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-line	Universal Time				No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-line	Universal Time				No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-line				
h	m	h	m		Y	Y	h	m	h	m		Y	Y	h	m	h	m		Y	Y				
Jan.	1	10 28	- 10 39	8	18737	18605	Mar.	17	9 53	- 10 11	8	18733	18605	June	9	8 25	- 8 38	8	18711	18605				
	3	11 16	- 11 31	8	18722	18606		18	10 8	- 10 23	8	18736	18605		10	9 14	- 9 25	8	18722	18604				
	4	10 29	- 10 43	8	18723	18606		19	10 34	- 10 44	8	18739	18606		11	8 16	- 8 32	8	18729	18605				
	5	9 48	- 9 57	8	18726	18606		21	10 16	- 10 32	8	18744	18605		13	9 19	- 9 29	8	18732	18605				
	6	9 53	- 10 11	8	18734	18606		22	10 25	- 10 34	8	18728	18605		14	9 25	- 9 35	8	18730	18604				
	7	9 54	- 10 10	8	18733	18606		23	9 48	- 10 15	8	18723	18605		15	8 33	- 8 47	8	18694	18602				
	8	10 15	- 10 27	8	18730	18606		24	10 13	- 10 27	8	18716	18604		16	8 8	- 8 25	8	18730	18605				
	10	9 52	- 10 7	8	18735	18606		25	9 43	- 9 55	8	18718	18605		17	8 53	- 9 4	8	18729	18605				
	11	9 46	- 9 56	8	18737	18605		26	9 40	- 9 51	8	18736	18605		18	8 0	- 8 14	8	18742	18605				
	12	9 53	- 10 7	8	18736	18605		28	9 39	- 9 51	8	18721	18604		20	9 35	- 9 46	8	18716	18604				
	13	9 49	- 9 57	8	18748	18606		29	10 27	- 10 36	8	18723	18605		21	9 24	- 9 34	8	18717	18604				
	14	10 6	- 10 18	8	18742	18605		30	10 8	- 10 22	8	18745	18606		22	9 28	- 9 38	8	18732	18604				
	15	9 52	- 10 10	8	18733	18605		31	10 8	- 10 21	8	18706	18605		23	9 13	- 9 22	8	18730	18605				
	17	9 42	- 9 52	8	18761	18606									24	9 12	- 9 21	8	18716	18603				
	18	9 53	- 10 8	8	18687	18606		Apr.	1	9 42	- 9 51	8	18713	18606		25	9 11	- 9 24	8	18712	18604			
	19	9 49	- 9 58	8	18647	18604			2	9 49	- 9 58	8	18716	18605		28	9 36	- 9 46	8	18729	18603			
	20	9 48	- 9 56	8	18711	18604			4	9 55	- 10 18	8	18712	18605		29	8 51	- 9 5	8	18743	18606			
	21	9 41	- 9 51	8	18723	18605			5	9 48	- 9 58	8	18711	18603		30	9 8	- 9 18	8	18730	18606			
	22	9 50	- 9 59	8	18734	18606			6	9 28	- 9 41	8	18724	18604										
	24	9 48	- 9 57	8	18734	18606			7	9 51	- 10 8	8	18706	18604		July	1	9 25	- 9 37	8	18744	18603		
	26	9 39	- 9 50	8	18730	18606			9	9 41	- 9 52	8	18726	18604			2	9 20	- 9 34	8	18749	18605		
	27	9 49	- 9 57	8	18752	18605			12	9 43	- 9 53	8	18720	18603			4	9 28	- 9 38	8	18730	18604		
	28	9 25	- 9 34	8	18720	18606			13	10 6	- 10 21	8	18723	18604			5	9 8	- 9 21	8	18723	18604		
	29	9 55	- 10 11	8	18731	18606			14	10 13	- 10 23	8	18724	18603			6	8 57	- 9 11	8	18726	18604		
	31	9 38	- 9 48	8	18738	18606			15	9 51	- 9 59	8	18739	18606			8	9 10	- 9 19	8	18731	18604		
									16	9 44	- 9 55	8	18747	18607			9	8 40	- 8 55	8	18744	18604		
									18	8 59	- 9 10	8	18742	18608			11	9 17	- 9 27	8	18698	18602		
Feb.	1	9 22	- 9 29	8	18742	18605			19	9 16	- 9 28	8	18742	18607			12	8 49	- 9 0	8	18726	18604		
	2	9 41	- 9 48	8	18747	18607			20	9 18	- 9 30	8	18734	18607			13	8 27	- 8 38	8	18742	18604		
	3	9 48	- 9 58	8	18748	18606			21	9 15	- 9 28	8	18734	18605			14	9 28	- 9 39	8	18731	18603		
	4	9 36	- 9 45	8	18755	18606			22	9 10	- 9 21	8	18731	18605			15	10 19	- 10 37	8	18745	18605		
	5	9 22	- 9 31	8	18743	18607			23	9 22	- 9 33	8	18734	18605			16	9 16	- 9 26	8	18725	18604		
	8	9 22	- 9 36	8	18738	18607			26	9 30	- 9 38	8	18718	18605			18	9 26	- 9 37	8	18742	18604		
	9	9 49	- 9 58	8	18742	18607			27	8 44	- 8 53	8	18730	18606			19	9 20	- 9 31	8	18723	18604		
	10	9 44	- 9 55	8	18727	18607			28	9 5	- 9 17	8	18694	-			20	8 43	- 8 52	8	18740	18604		
	11	9 17	- 9 28	8	18737	18607			29	9 14	- 9 26	8	18695	18603			21	9 3	- 9 19	8	18725	18602		
	12	9 40	- 9 52	8	18724	18607			30	9 31	- 9 41	8	18708	18603			22	9 4	- 9 14	8	18729	18603		
	14	11 54	- 12 8	8	18734	18607										23	9 18	- 9 27	8	18728	18602			
	15	9 50	- 10 0	8	18728	18607			May	2	9 1	- 9 9	8	18727	18605			25	10 20	- 10 33	8	18715	18602	
	16	9 43	- 9 54	8	18739	18606				3	9 2	- 9 12	8	18735	18604			26	9 21	- 9 34	8	18757	18604	
	17	9 40	- 9 51	8	18739	18607				4	9 35	- 9 44	8	18725	18604			28	9 25	- 9 35	8	18735	18603	
	18	9 48	- 9 59	8	18736	18607				5	9 15	- 9 24	8	18735	18605			29	9 12	- 9 21	8	18743	18604	
	19	9 55	- 10 12	8	18745	18607				6	9 29	- 9 38	8	18711	18603			30	8 59	- 9 8	8	18734	18603	
	21	10 25	- 10 34	8	18743	18606				7	8 38	- 8 52	8	18695	18604									
	22	10 13	- 10 28	8	18722	18606				9	8 12	- 8 30	8	18714	18604			Aug.	2	8 46	- 8 55	8	18733	18603
	23	11 27	- 11 40	8	18707	18605				10	8 44	- 8 54	8	18721	18604				3	8 56	- 9 7	8	18729	18604
	24	10 9	- 10 23	8	18738	18606				17	9 25	- 9 34	8	18719	18605				4	9 18	- 9 31	8	18733	18604
	25	10 5	- 10 17	8	18732	18606				18	9 25	- 9 34	8	18727	18605				5	9 7	- 9 18	8	18708	18602
	26	9 54	- 10 6	8	18734	18607				19	9 16	- 9 31	8	18723	18604				6	8 57	- 9 11	8	18711	18602
	28	9 40	- 9 51	8	18724	18605				23	9 24	- 9 34	8	18740	18606				8	9 6	- 9 18	8	18712	18603
									24	8 35	- 8 45	8	18739	18605				9	9 18	- 9 26	8	18719	18603	
Mar.	1	10 35	- 10 45	8	18729	18606			25	8 57	- 9 8	8	18730	18605				10	8 48	- 8 59	8	18734	18603	
	2	9 52	- 10 6	8	18739	18606			26	9 29	- 9 38	8	18646	18602				11	9 6	- 9 17	8	18735	18603	
	3	9 46	- 9 57	8	18744	18605			27	9 23	- 9 33	8	18710	18604				12	9 4	- 9 15	8	18746	18603	
	4	9 45	- 9 59	8	18731	18606			31	11 29	- 11 47	8	18731	18603				13	8 52	- 9 5	8	18730	18602	
	5	9 36	- 9 48	8	18737	18606												15	8 55	- 9 7	8	18733	18602	
	7	10 4	- 10 19	8	18734	18605												16	9 3	- 9 14	8	18743	18603	
	8	9 45	- 9 56	8	18726	18605												17	8 41	- 8 54	8	18722	18602	
	9	9 37	- 9 48	8	18720	18606												18	9 4	- 9 17	8	18743	18602	
	10	9 56	- 10 13	8	18727	18																		

TABLE XIV. - RESULTS OF THE DETERMINATIONS OF THE ABSOLUTE VALUE OF HORIZONTAL INTENSITY FROM OBSERVATIONS MADE WITH THE SCHUSTER-SMITH COIL MAGNETOMETER IN THE MAGNETIC PAVILION AT ABINGER, WITH THE DEDUCED VALUES OF THE BASE-LINE OF THE HORIZONTAL INTENSITY MAGNETOGRAMS

Universal Time		No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-line	Universal Time		No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-line	Universal Time		No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-line							
h	m	h	m	Y	Y	h	m	h	m	Y	Y	h	m	h	m	Y	Y				
Aug.	26	9 23	- 9 37	8	18742	18603	Oct.	4	10 23	- 10 35	8	18686	18600	Nov.	21	9 25	- 9 36	8	18706	18600	
	29	9 21	- 9 32	8	18730	18602		6	9 45	- 9 56	8	18675	18601		22	9 51	- 9 58	8	18725	18602	
	30	9 6	- 9 17	8	18729	18602		8	11 31	- 11 42	8	18719	18599		23	9 42	- 9 58	8	18730	18602	
	31	9 7	- 9 18	8	18737	18602		10	9 44	- 9 54	8	18715	18602		25	10 31	- 10 42	8	18737	18602	
Sept.	1	8 58	- 9 13	8	18720	18600		11	10 17	- 10 26	8	18706	18601		26	8 55	- 9 11	8	18739	18602	
	2	9 30	- 9 45	8	18727	18599		12	9 47	- 9 55	8	18741	18602		28	9 23	- 9 34	8	18743	18602	
	5	9 7	- 9 18	8	18696	18599		13	9 54	- 10 11	8	18743	18602		29	9 20	- 9 30	8	18744	18602	
	6	9 17	- 9 31	8	18717	18600		14	9 30	- 9 38	8	18751	18603		30	9 21	- 9 33	8	18740	18603	
	7	9 26	- 9 35	8	18693	18598		15	9 51	- 10 6	8	18745	18604								
	9	9 8	- 9 20	8	18724	18601		17	9 44	- 9 56	8	18757	18604		Dec.	1	9 28	- 9 39	8	18751	18603
	10	9 29	- 9 42	8	18720	18600		24	9 27	- 9 36	8	18747	18604			3	9 20	- 9 32	8	18742	18604
	12	9 27	- 9 40	8	18740	18600		26	9 45	- 9 56	8	18709	18603			5	9 19	- 9 34	8	18741	18604
	13	9 10	- 9 22	8	18719	18598		27	9 53	- 10 0	7	18728	18602			7	10 7	- 10 23	8	18734	18605
	14	8 50	- 9 4	8	18728	18600		28	9 51	- 9 58	8	18725	18603			8	9 47	- 9 59	8	18746	18604
	15	8 56	- 9 6	8	18738	18601		31	9 49	- 9 58	6	18733	18604			10	9 57	- 10 14	8	18752	18605
	16	9 2	- 9 16	8	18726	18601	Nov.	1	9 26	- 9 36	8	18720	18602			12	9 13	- 9 25	8	18752	18604
	17	8 49	- 9 2	8	18724	18599		3	9 15	- 9 31	8	18728	18602			13	9 13	- 9 25	8	18755	18606
	19	9 17	- 9 28	8	18716	18600		4	9 22	- 9 34	8	18736	18604			15	9 28	- 9 38	8	18755	18606
	20	9 30	- 9 42	8	18720	18599		5	10 28	- 10 39	8	18721	18602			17	9 49	- 9 58	8	18767	18606
	21	9 8	- 9 20	8	18728	18601		7	9 49	- 10 0	8	18733	18602			19	9 31	- 9 40	8	18750	18606
	22	8 15	- 8 26	8	18748	18600		9	9 35	- 9 46	8	18747	18602			20	9 34	- 9 44	8	18743	18604
	23	8 13	- 8 27	8	18737	18601		11	9 51	- 10 0	8	18736	18604			21	9 25	- 9 38	8	18747	18604
	24	9 9	- 9 20	8	18727	18600		12	9 29	- 9 41	8	18715	18601			22	9 49	- 9 56	8	18742	18606
	26	9 21	- 9 34	8	18741	18600		14	9 14	- 9 28	8	18741	18602			23	9 38	- 9 50	8	18748	18604
	27	9 7	- 9 25	8	18727	18602		15	9 21	- 9 32	8	18746	18603			24	9 21	- 9 32	8	18760	18608
	29	8 57	- 9 9	8	18741	18599		16	9 19	- 9 30	8	18718	18602			28	9 52	- 9 59	6	18748	18605
Oct.	1	9 13	- 9 26	8	18715	18600		17	9 15	- 9 25	8	18727	18602			29	9 55	- 10 10	8	18751	18605
	3	9 36	- 9 51	8	18713	18601		18	9 28	- 9 36	8	18729	18602			30	9 51	- 9 58	8	18753	18606
								19	9 11	- 9 22	8	18705	18602			31	9 8	- 9 20	8	18772	18606

Oct. 29. Temperature in inner chamber lowered from 21° C to 16° C.

MAGNETIC OBSERVATIONS, ABINGER, 1955.

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TABLE XV. - RESULTS OF THE DETERMINATIONS OF THE ABSOLUTE VALUE OF VERTICAL INTENSITY FROM OBSERVATIONS MADE WITH THE DYE COIL MAGNETOMETER IN THE MAGNETIC PAVILION AT ABINGER, WITH THE DEDUCED VALUES OF THE BASE-LINE OF THE VERTICAL INTENSITY MAGNETOGRAMS

Universal Time					Universal Time					Universal Time															
h m		h m		No. of Obs.	Observed Vertical Intensity	Deduced Value of Base-line	h m		h m		No. of Obs.	Observed Vertical Intensity	Deduced Value of Base-line	h m		h m		No. of Obs.	Observed Vertical Intensity	Deduced Value of Base-line					
Y	Y	Y	Y				Y	Y																	
Jan.	1	9 47	-	10 19	8	43331	43196	Mar.	18	9 25	-	9 58	8	43337	43198	June	23	8 45	-	9 06	8	43345	43200		
	3	10 08	-	10 36	8	43341	43197		19	9 53	-	10 23	8	43332	43198		24	8 48	-	9 06	8	43337	43200		
	4	9 50	-	10 22	8	43343	43198		21	9 37	-	9 59	8	43334	43198		25	8 34	-	8 58	8	43343	43201		
	5	9 28	-	9 44	8	43342	43198		22	9 46	-	10 09	8	43325	43198		28	9 15	-	9 32	8	43334	43199		
	6	9 32	-	9 49	8	43338	43198		23	9 14	-	9 41	8	43342	43197		29	8 20	-	8 43	8	43352	43200		
	7	9 36	-	9 50	8	43339	43197		24	9 32	-	9 58	8	43338	43198		30	8 38	-	9 02	8	43345	43200		
	8	9 39	-	10 00	8	43335	43197		25	9 16	-	9 37	8	43339	43198		July	1	9 03	-	9 18	8	43338	43199	
	10	9 29	-	9 48	8	43334	43197		26	9 10	-	9 31	8	43335	43199			2	9 00	-	9 15	8	43321	43199	
	11	9 25	-	9 40	8	43335	43197		28	9 10	-	9 32	8	43340	43197			4	9 07	-	9 24	8	43350	43199	
	12	9 26	-	9 48	8	43336	43197		29	9 34	-	9 52	8	43339	43197		5	8 45	-	9 00	8	43342	43201		
	13	9 28	-	9 45	8	43330	43198		30	9 43	-	9 56	8	43334	43198		6	8 32	-	8 48	8	43349	43201		
	14	9 39	-	9 55	8	43333	43199		Apr.	1	9 20	-	9 35	8	43342		43198	7	8 21	-	8 35	8	43343	43201	
	15	9 31	-	9 47	8	43336	43198			2	9 18	-	9 45	8	43335		43198	8	8 51	-	9 05	8	43344	43200	
	17	9 24	-	9 39	8	43338	43198			4	9 38	-	9 51	8	43329		43196	9	8 11	-	8 32	8	43337	43201	
	18	9 30	-	9 45	8	43349	43198		5	9 21	-	9 41	8	43336	43197		11	8 55	-	9 11	8	43344	43200		
	19	9 31	-	9 43	8	43357	43199		6	9 00	-	9 21	8	43338	43197		12	8 30	-	8 44	8	43343	43200		
	20	9 30	-	9 42	8	43343	43198		7	9 19	-	9 46	8	43337	43197		13	8 00	-	8 19	8	43352	43201		
	21	9 23	-	9 36	8	43338	43198		9	9 18	-	9 35	8	43337	43196		14	9 05	-	9 22	8	43350	43201		
	22	9 27	-	9 44	8	43335	43199		12	9 18	-	9 38	8	43338	43196		15	9 23	-	9 36	8	43341	43200		
	24	9 29	-	9 44	8	43329	43199		13	9 41	-	9 55	8	43330	43196		16	8 42	-	9 06	8	43341	43201		
	26	9 15	-	9 34	8	43336	43199		14	9 40	-	9 58	8	43332	43197		18	9 05	-	9 21	8	43340	43200		
	27	9 28	-	9 44	8	43337	43198		15	9 15	-	9 42	8	43335	43196		19	8 56	-	9 12	8	43340	43201		
	28	9 01	-	9 17	8	43338	43198		16	9 09	-	9 29	8	43337	43199		20	8 15	-	8 36	8	43335	43200		
	29	9 36	-	9 51	8	43337	43199		18	8 33	-	8 53	8	43344	43199		21	8 44	-	8 59	8	43346	43200		
	31	9 17	-	9 31	8	43340	43199		19	8 52	-	9 11	8	43333	43198		22	8 39	-	8 59	8	43345	43200		
	Feb.	1	9 00	-	9 15	8	43339		43199	20	8 39	-	9 07	8	43333		43198	23	8 54	-	9 12	8	43341	43201	
		2	9 15	-	9 33	8	43336		43199	21	8 50	-	9 07	8	43332		43198	25	11 05	-	11 21	8	43333	43201	
		3	9 18	-	9 42	8	43335		43198	22	8 46	-	9 05	8	43330		43198	26	8 43	-	9 11	8	43337	43200	
		4	9 11	-	9 31	8	43326		43198	23	9 00	-	9 15	8	43333		43198	28	8 58	-	9 16	8	43346	43201	
		8	10 15	-	10 33	8	43334		43198	26	9 07	-	9 25	8	43329		43198	29	8 41	-	9 04	8	43347	43201	
		9	9 17	-	9 44	8	43334		43198	27	8 23	-	8 36	8	43334	43198	30	8 32	-	8 51	8	43339	43201		
10		9 12	-	9 35	8	43334	43199	28	8 29	-	8 55	8	43345	-	Aug.	2	8 25	-	8 40	8	43347	43201			
11		9 37	-	9 56	8	43331	43198	29	8 43	-	9 09	8	43345	43199		3	8 34	-	8 51	8	43341	43201			
12		10 08	-	10 31	8	43339	43198	30	9 14	-	9 29	8	43340	43198		4	8 55	-	9 10	8	43340	43201			
14		11 19	-	11 47	8	43334	43198	May	2	8 44	-	8 56	8	43345	43198	5	8 36	-	9 00	8	43351	43200			
15		9 27	-	9 46	8	43338	43198		3	8 44	-	8 57	8	43343	43198	6	8 27	-	8 49	8	43345	43201			
16		9 23	-	9 38	8	43341	43198		4	9 05	-	9 30	8	43338	43199	8	8 39	-	8 58	8	43357	43202			
17		10 13	-	10 30	8	43340	43198		5	8 51	-	9 08	8	43338	43199	9	8 53	-	9 10	8	43354	43202			
18		9 21	-	9 40	8	43337	43198		6	9 04	-	9 22	8	43331	43199	10	8 22	-	8 42	8	43348	43201			
19		9 37	-	9 51	8	43336	43199		7	8 10	-	8 29	8	43318	43198	11	8 45	-	9 00	8	43350	43200			
21		9 33	-	9 51	8	43335	43198		9	7 41	-	8 03	8	43352	43200	12	8 41	-	8 58	8	43342	43200			
22		9 41	-	9 57	8	43334	43198		10	8 22	-	8 38	8	43346	43199	13	8 24	-	8 43	8	43337	43200			
23		10 09	-	10 27	8	43331	43199		11	8 35	-	8 54	8	43348	43198	15	8 27	-	8 48	8	43350	43200			
24		9 44	-	9 59	8	43333	43198		12	8 56	-	9 16	8	43338	43199	16	8 34	-	8 52	8	43348	43201			
25		9 43	-	9 56	8	43337	43198		13	9 03	-	9 38	6	43339	43198	17	8 17	-	8 35	8	43349	43201			
26		9 37	-	9 49	8	43338	43199		14	8 37	-	9 00	8	43344	43199	18	8 35	-	8 55	8	43352	43201			
28		9 19	-	9 34	8	43342	43199		16	8 44	-	9 00	8	43347	43199	19	8 16	-	8 44	8	43349	43201			
Mar.		1	10 06	-	10 25	8	43340		43199	17	10 31	-	10 47	8	43336	43199	20	8 13	-	8 34	8	43346	43201		
		2	9 31	-	9 46	8	43340		43198	18	8 59	-	9 20	8	43338	43198	22	8 59	-	9 22	8	43345	43202		
		3	9 17	-	9 38	8	43338		43198	19	8 40	-	9 09	8	43332	43199	23	8 27	-	8 48	8	43348	43202		
		4	9 15	-	9 33	8	43337		43198	23	9 00	-	9 16	8	43331	43198	25	9 02	-	9 17	8	43340	43202		
		5	9 02	-	9 22	8	43338		43200	24	8 15	-	8 30	8	43346	43200	26	8 56	-	9 17	8	43339	43200		
		7	9 34	-	9 51	8	43333		43199	June	15	9 07	-	9 31	8	43353	43200	29	8 51	-	9 17	8	43347	43201	
	8	9 24	-	9 38	8	43339	43198		16		8 14	-	9 17	8	43346	43200	30	8 43	-	9 00	8	43348	43201		
	9	9 06	-	9 28	8	43337	43198		17		8 30	-	8 45	8	43352	43200	31	8 43	-	9 01	8	43343	43202		
	10	9 41	-	9 53	8	43338	43198		18		8 27	-	8 48	8	43345	43200	Sept.	1	8 33	-	8 52	8	43354	43203	
	11	9 33	-	9 48	8	43333	43198		20		9 08	-	9 29	8	43341	43200		2	9 06	-	9 24	8	43344	43202	
	12	9 39	-	9 52	8	43337	43198		21		9 01	-	9 19	8	43343	43200		3	9 11	-	9 31	8	43334	43201	
	14	9 50	-	10 14	8	43343	43198		22		9 06	-	9 23	8	43340	43200		5	8 44	-	9 00	8	43334	43201	
	15	9 29	-	9 49	8	43332	43197		July		15	9 07	-	9 31	8	43353		43200	6	8 53	-	9 07	8	43345	43200



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

Year	Declination West	Horizontal Intensity	Vertical Intensity	Dip	Year	Declination West	Horizontal Intensity	Vertical Intensity	Dip
	° ' †	C. G. S. Unit	C. G. S. Unit	° ' †		° ' †	C. G. S. Unit	C. G. S. Unit	° ' †
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
1861		0.1759	..	68 15.8	1906	16 3.6	0.1854	0.4353	66 55.6
1862	20 52.6	0.1763	0.4403	68 9.6	1907	15 59.8	0.1855	0.4357	66 56.2
1863	20 45.9	0.1764	0.4396	68 7.0	1908	15 53.5	0.1854	0.4356	66 56.3
1864	..	0.1767	0.4393	68 4.1	1909	15 47.6	0.1854	0.4348	66 54.1
1865	20 33.9	0.1767	0.4388	68 2.7	1910	15 41.2	0.1855	0.4345	66 52.8
1866	20 28.0	0.1773	0.4397	68 1.3	1911	15 33.0	0.1855	0.4342	66 52.1
1867	20 20.5	0.1777	0.4392	67 57.2	1912	15 24.3	0.1855	0.4340	66 51.8
1868	20 13.1	0.1779	0.4395	67 56.5	1913	15 15.2	0.1853	0.4333	66 50.5
1869	20 4.1	0.1782	0.4396	67 54.8	1914	15 6.3	0.1853	0.4333	66 50.8
1870	19 53.0	0.1784	0.4392	67 52.5	1915	14 56.5	0.1851	0.4331	66 51.6
1871	19 41.9	0.1786	0.4389	67 50.3	1916	14 46.9	0.1848	0.4326	66 52.2
1872	19 36.8	0.1789	0.4383	67 47.8	1917	14 37.1	0.1848	0.4330*	66 53.0
1873	19 33.4	0.1793	0.4386	67 45.8	1918	14 27.8	0.1846	0.4325	66 52.8
1874	19 28.9	0.1797	0.4387	67 43.6	1919	14 18.2	0.1845	0.4324	66 53.3
1875	19 21.2	0.1797	0.4383	67 42.4	1920	14 8.6	0.1845	0.4325	66 53.6
1876	19 8.3	0.1799	0.4383	67 41.0	1921	13 57.6	0.1845	0.4322	66 53.0
1877	18 57.2	0.1800	0.4381	67 39.7	1922	13 46.7	0.1844	0.4318	66 52.3
1878	18 49.3	0.1802	0.4382	67 38.2	1923	13 35.1	0.1843	0.4314	66 51.9
1879	18 40.5	0.1805	0.4382	67 37.0	1924	13 22.8	0.1843	0.4311	66 51.6
1880	18 32.6	0.1805	0.4380	67 35.7	1925	13 9.9	0.1841	0.4308	66 51.4
1881	18 27.1	0.1807	0.4379	67 34.7					

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 Dip was determined with an Inductor.

N.B. - In the above table the values of Vertical Intensity for the years 1862-1913 inclusive were computed from the corresponding values of Horizontal Intensity and Dip, the values of Dip being the mean of all the absolute observations taken in any year, and the time of observation approximating to noon on the average. Beginning with 1914 the values of Dip have been computed from the corresponding annual mean values of Horizontal and Vertical Intensity.

† Mean of seven months June to December.

\* Mean of ten months, March to December.

## MAGNETIC OBSERVATIONS, ABINGER, 1955.

TABLE XVI(B). - MEAN ANNUAL VALUES OF MAGNETIC ELEMENTS DETERMINED AT THE ABINGER MAGNETIC STATION,  
FOR THE YEARS 1925-1955

Year	Declination West	Horizontal Intensity	Vertical Intensity	Inclination
	° /	C. G. S. Unit	C. G. S. Unit	° /
1925	13 22.7	0. 18597	0. 42946	66 35.1
1926	13 10.4	0. 18581	0. 42947	66 36.3
1927	12 58.4	0. 18575	0. 42932	66 36.2
1928	12 47.0	0. 18564	0. 42941	66 37.3
1929	12 35.8	0. 18555	0. 42918	66 37.2
1930	12 24.6	0. 18542	0. 42924	66 38.2
1931	12 13.7	0. 18543	0. 42923	66 38.1
1932	12 2.6	0. 18536	0. 42940	66 39.1
1933	11 51.7	0. 18532	0. 42942	66 39.4
1934	11 41.1	0. 18533	0. 42955	66 39.7
1935	11 30.3	0. 18527	0. 42981	66 40.9
1936	11 20.0	0. 18524	0. 43007	66 41.8
1937	11 10.4	0. 18522	0. 43031	66 42.7
1938*	11 1.4	0. 18522	0. 43050	66 43.2
1939	10 51.9	0. 18528	0. 43074	66 43.5
1940	10 43.0	0. 18533	0. 43099	66 43.9
1941	10 33.8	0. 18539	0. 43128	66 44.3
1942	10 24.8	0. 18554	0. 43146	66 43.9
1943	10 16.2	0. 18556	0. 43172	66 44.5
1944	10 7.8	0. 18566	0. 43189	66 44.3
1945	9 59.5	0. 18573	0. 43207	66 44.3
1946	9 51.1	0. 18569	0. 43235	66 45.4
1947	9 43.1	0. 18577	0. 43246	66 45.2
1948	9 35.4	0. 18593	0. 43255	66 44.4
1949	9 27.5	0. 18607	0. 43273	66 44.0
1950	9 19.7	0. 18628	0. 43288	66 43.0
1951	9 12.2	0. 18648	0. 43305	66 42.1
1952	9 4.7	0. 18670	0. 43316	66 41.0
1953*	8 57.5	0. 18695	0. 43321	66 39.5
1954	8 50.9	0. 18720	0. 43332	66 38.1
1955*	8 43.6	0. 18738	0. 43348	66 37.3

The values of Inclination are computed from the corresponding values of horizontal and vertical intensity.

Commencing with the years 1927 and 1929 respectively, the values of horizontal and vertical intensity are based upon observations with Coil-magnetometers.

\* Discontinuities of -1.7γ in H and -3.9γ in Z were introduced in 1938. }  
 " " -0.6γ " H " -1.3γ " Z " " " 1953. } See Introduction p. vi.  
 " " -0.4γ " H " -1.2γ " Z " " " 1955. }

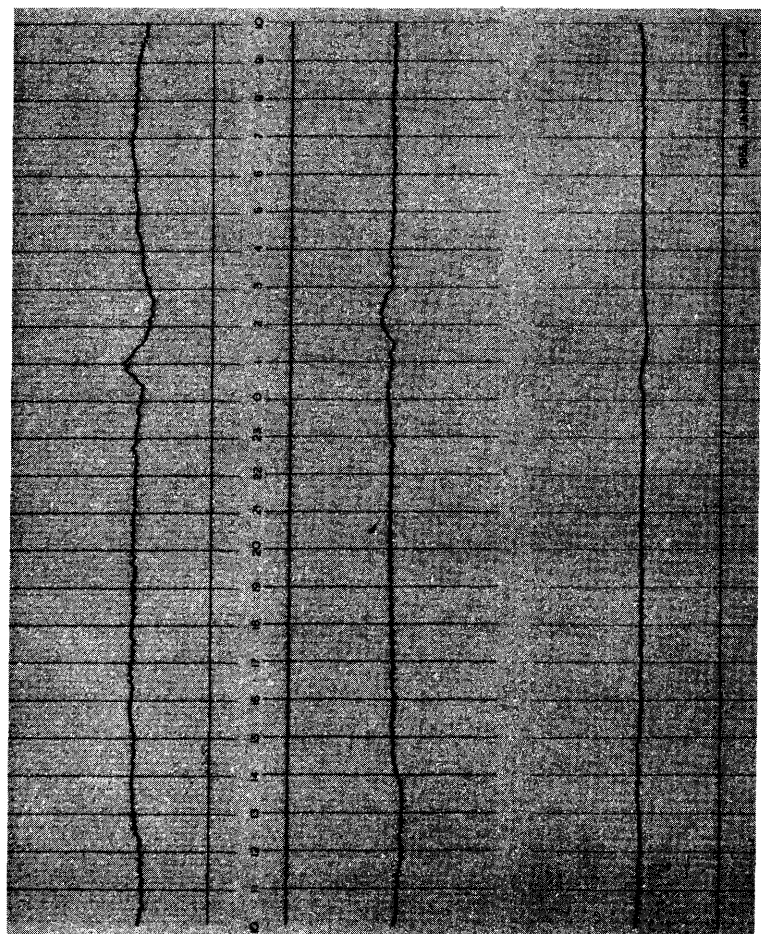
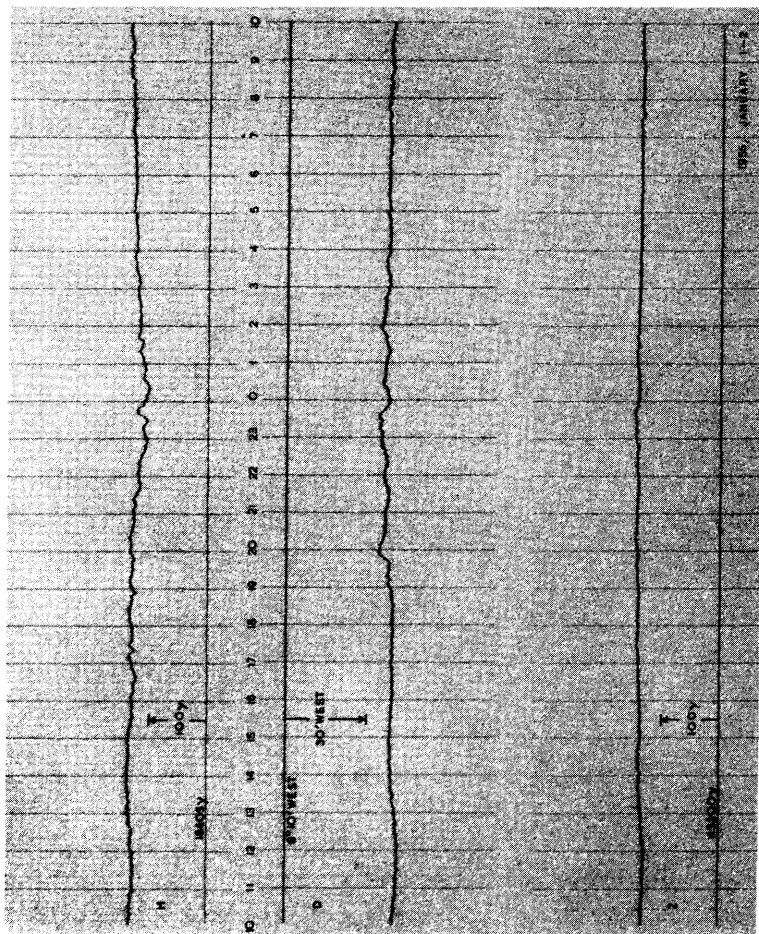
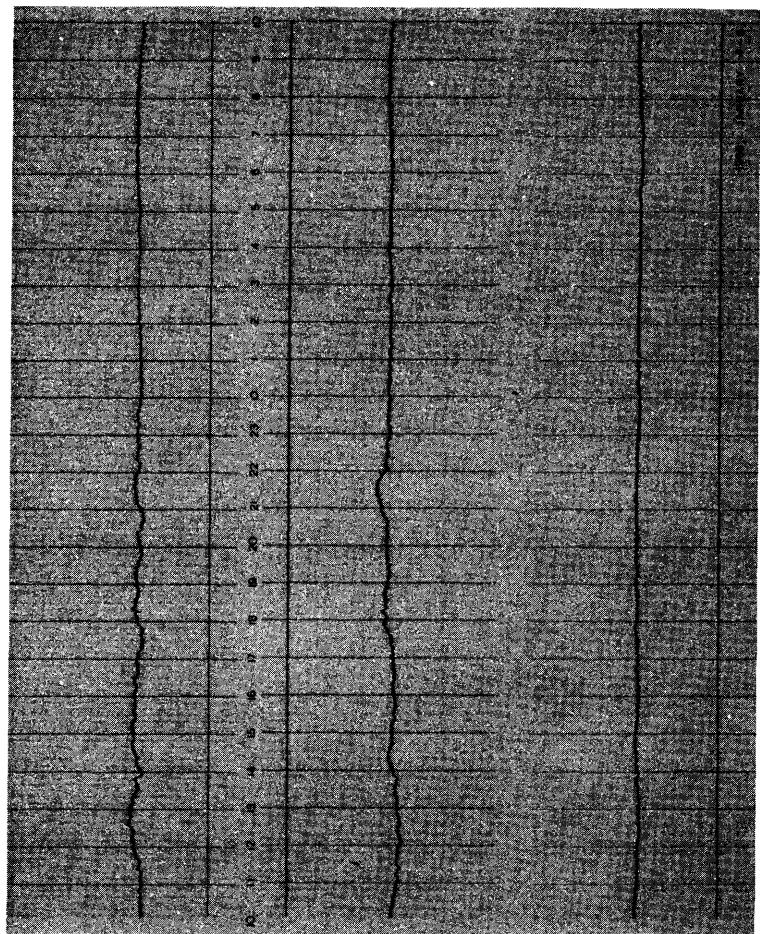
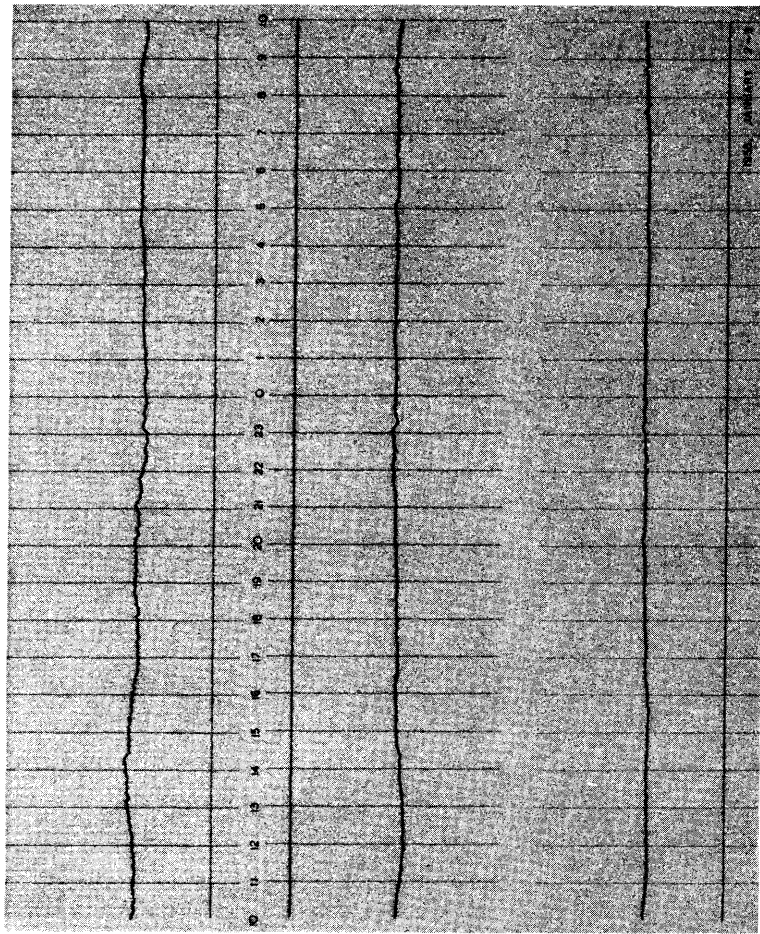
ROYAL GREENWICH OBSERVATORY

*Magnetograms*

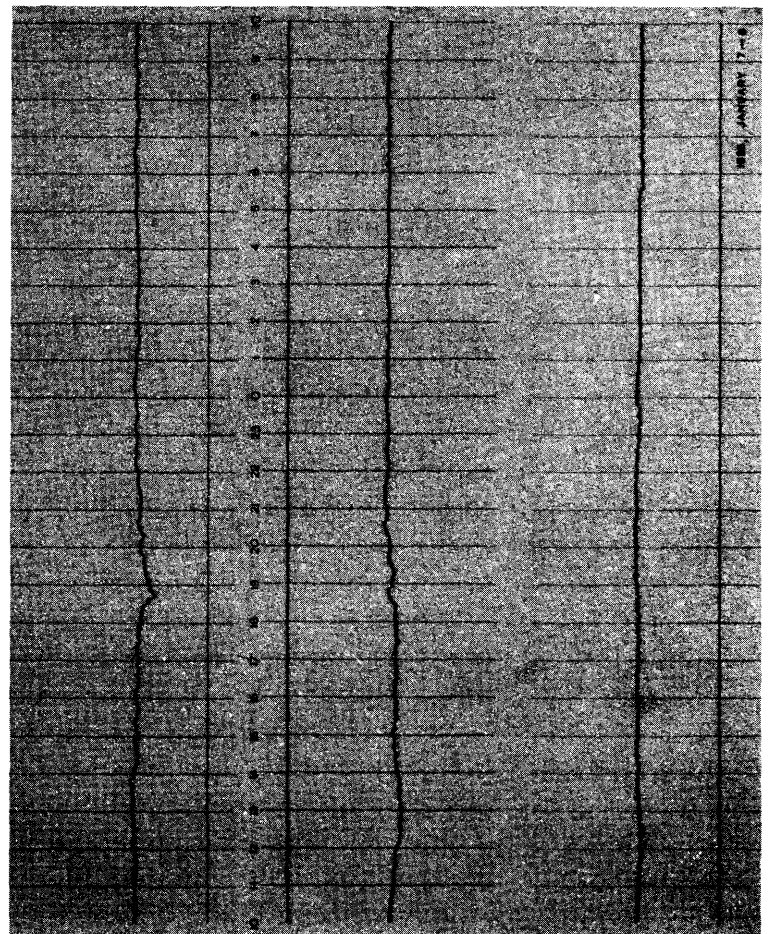
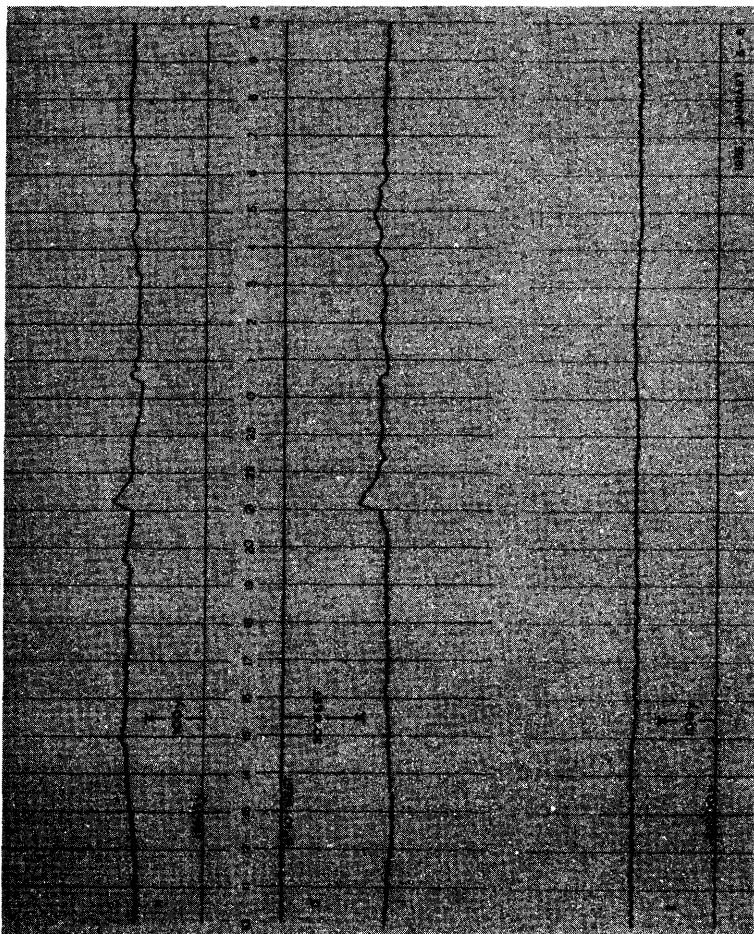
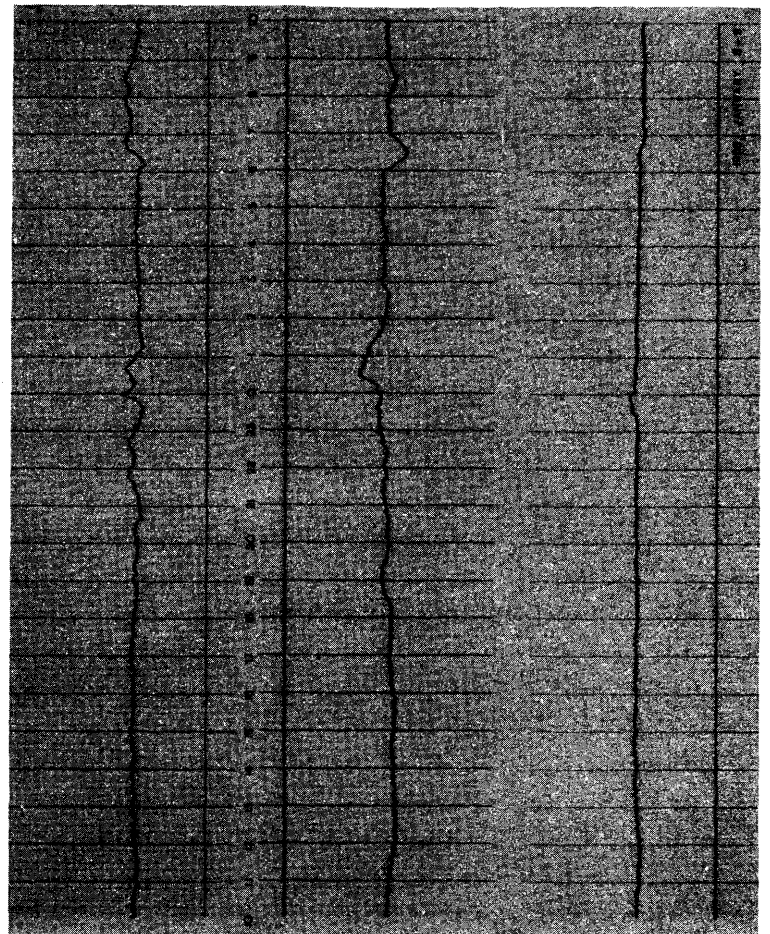
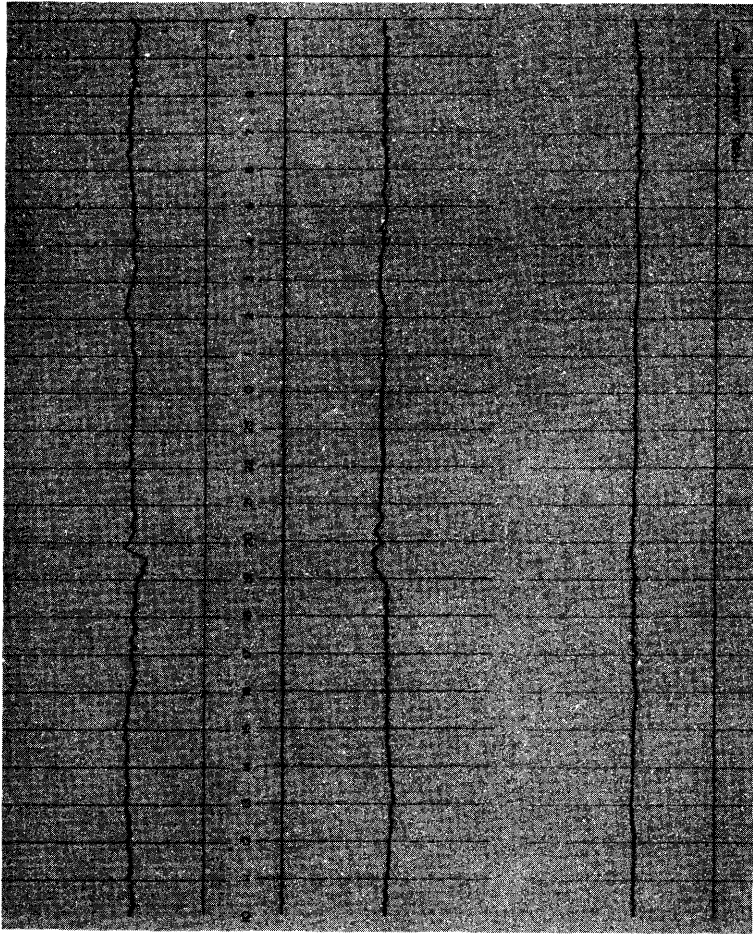
ABINGER

1955

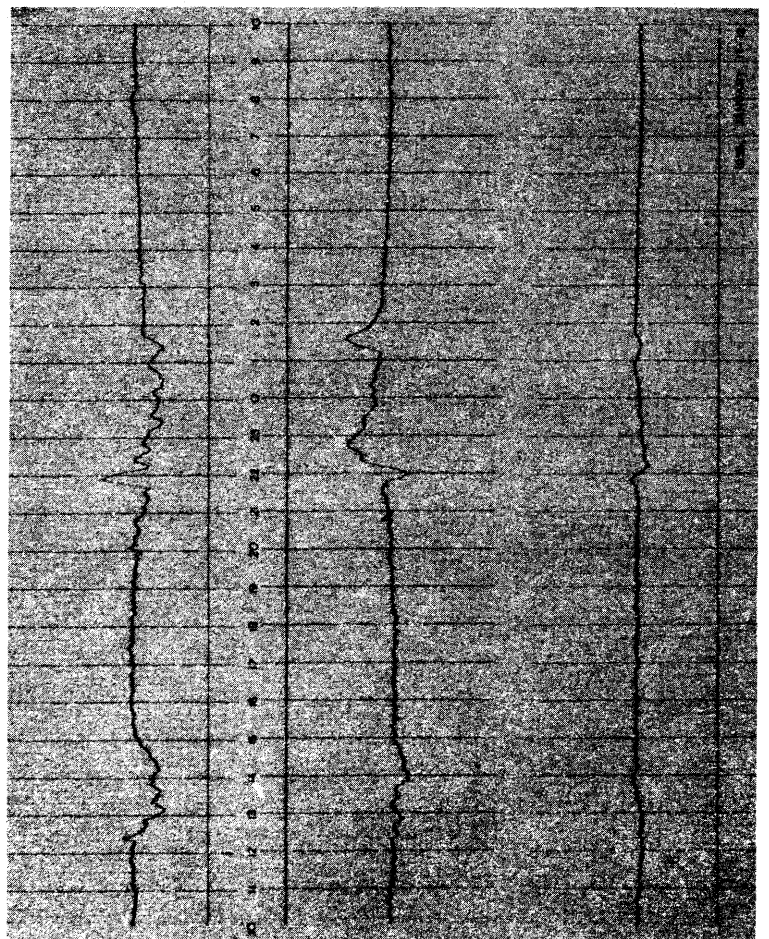
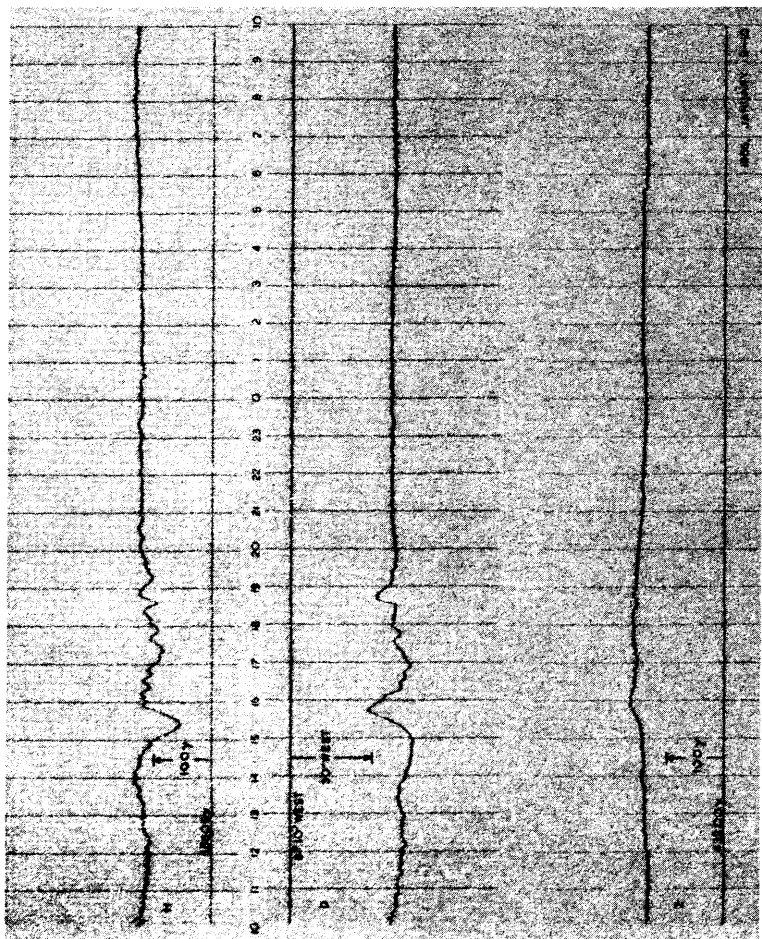
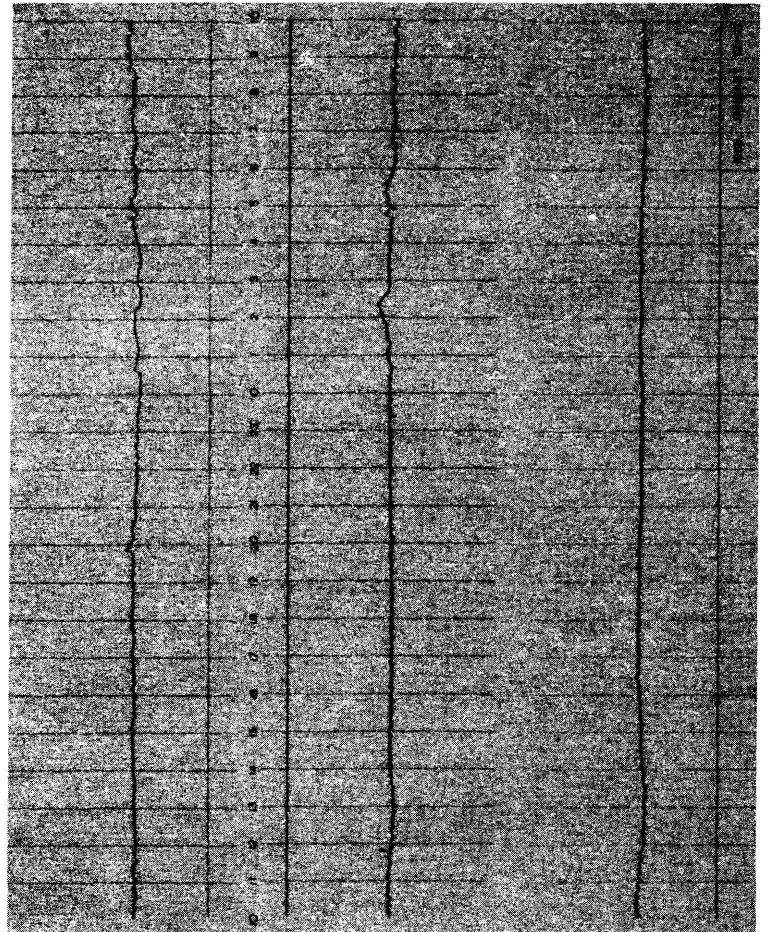
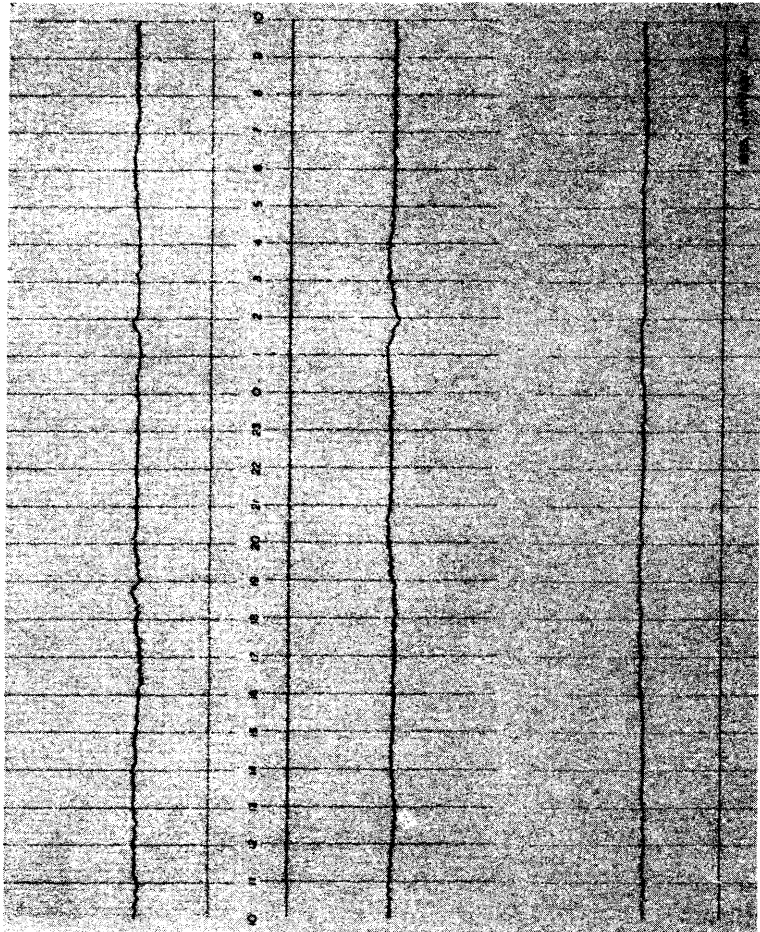




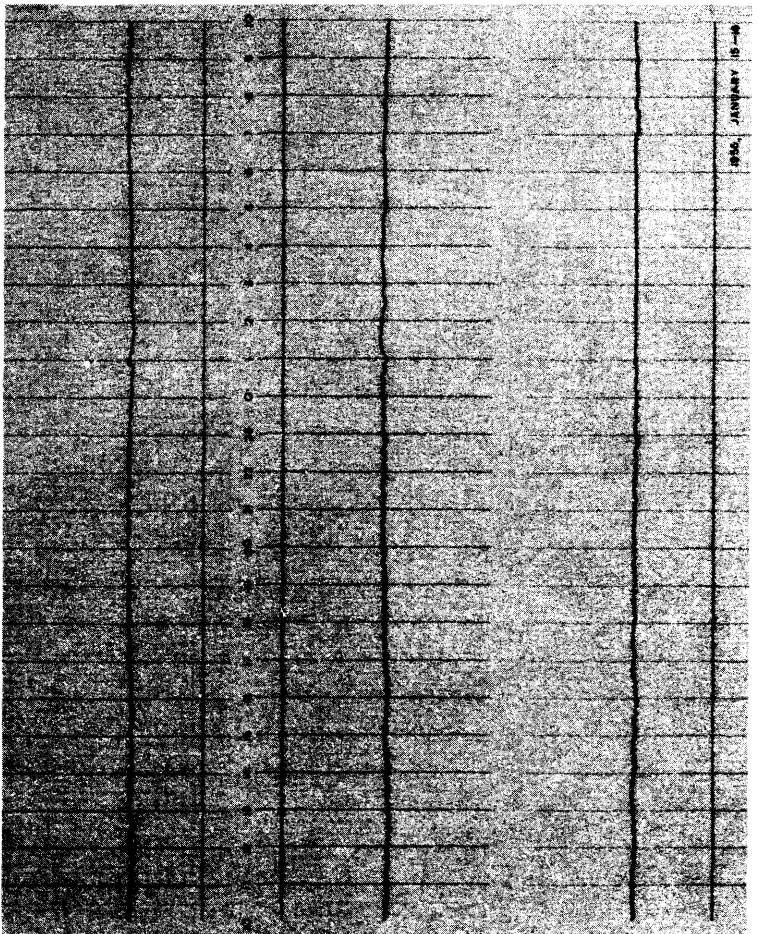
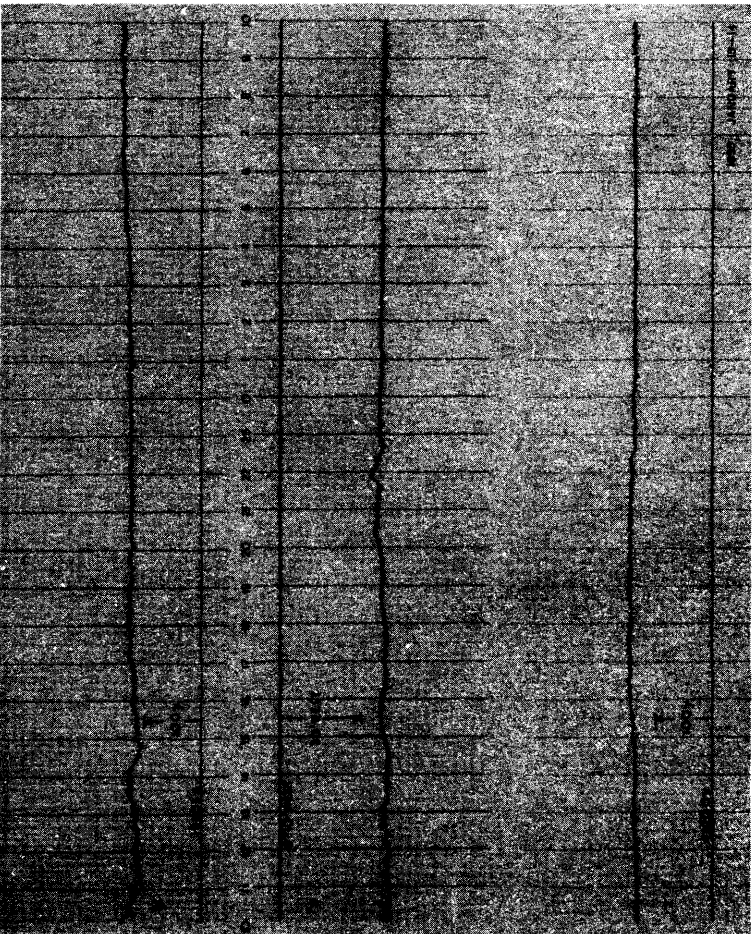
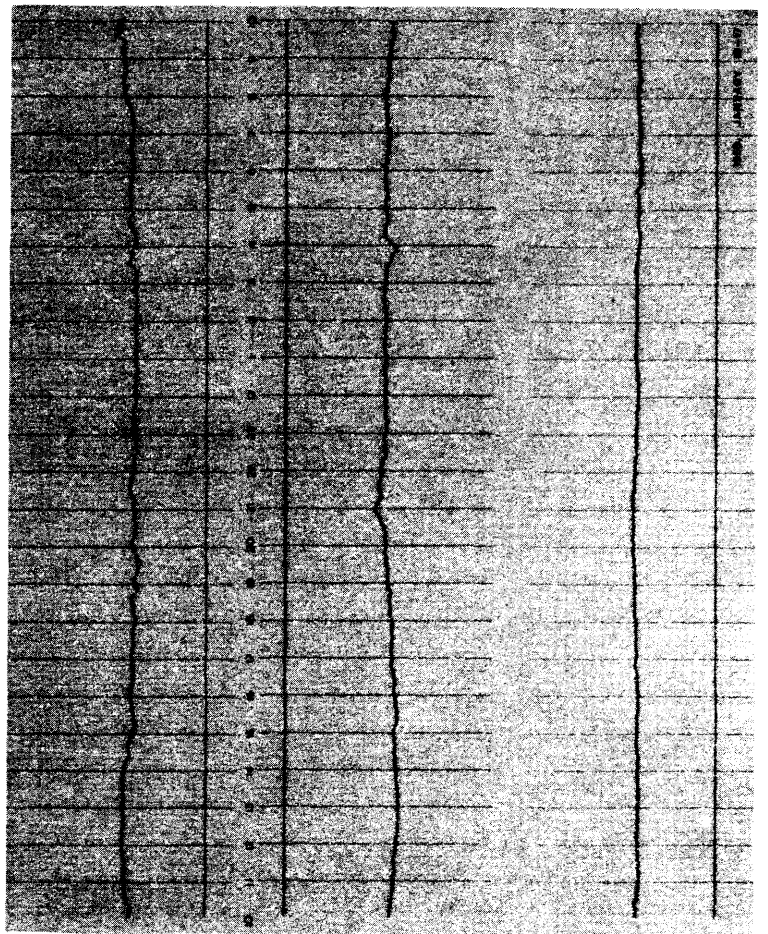
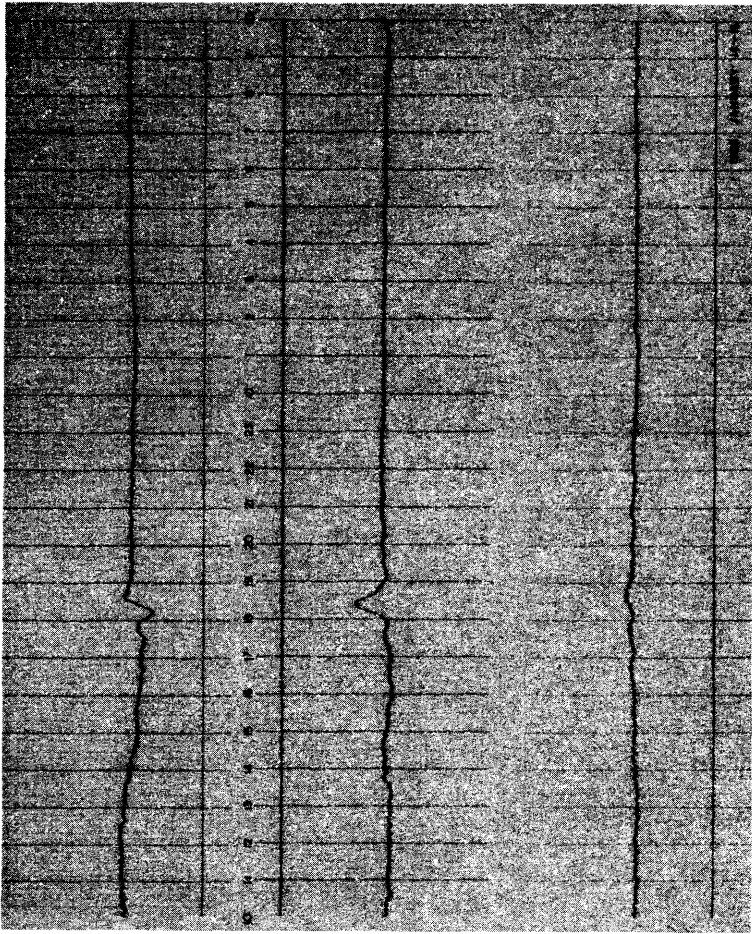




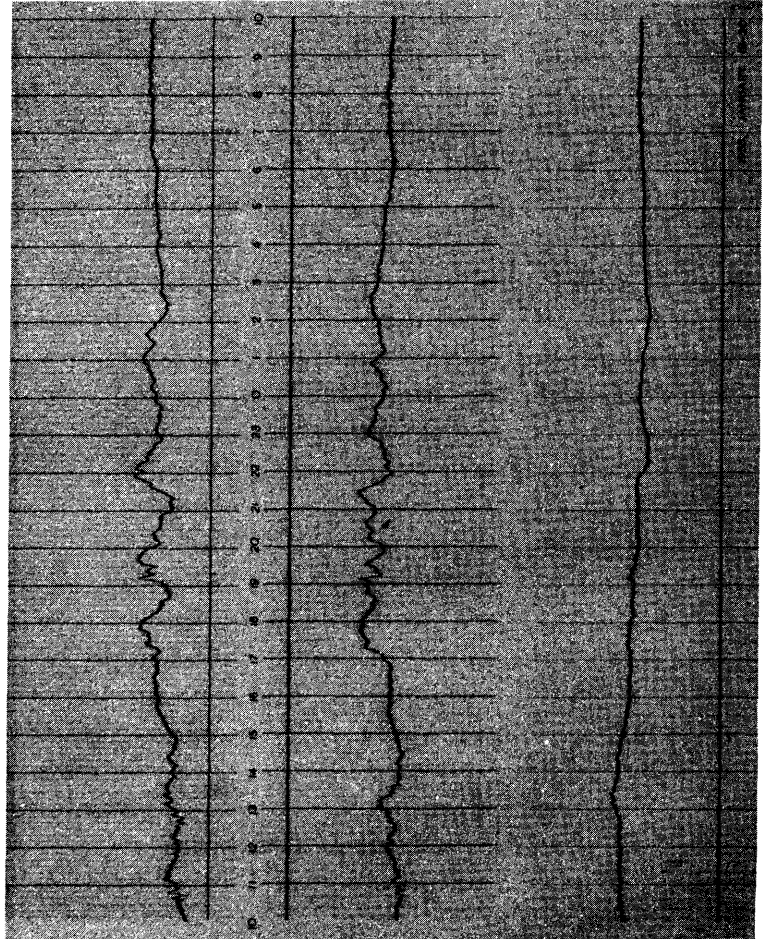
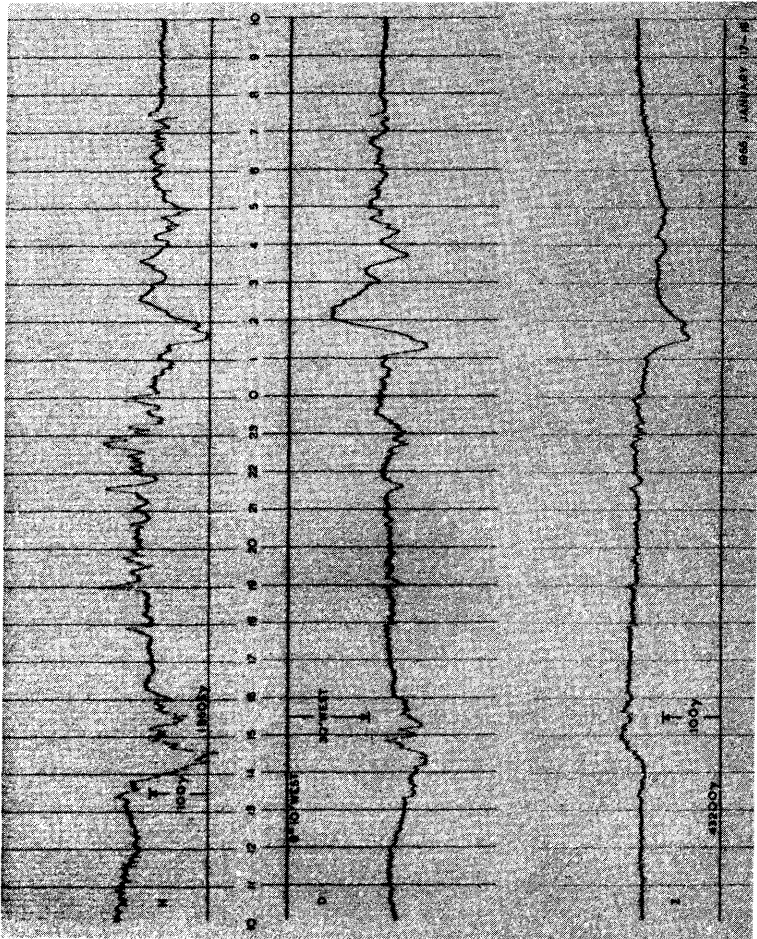
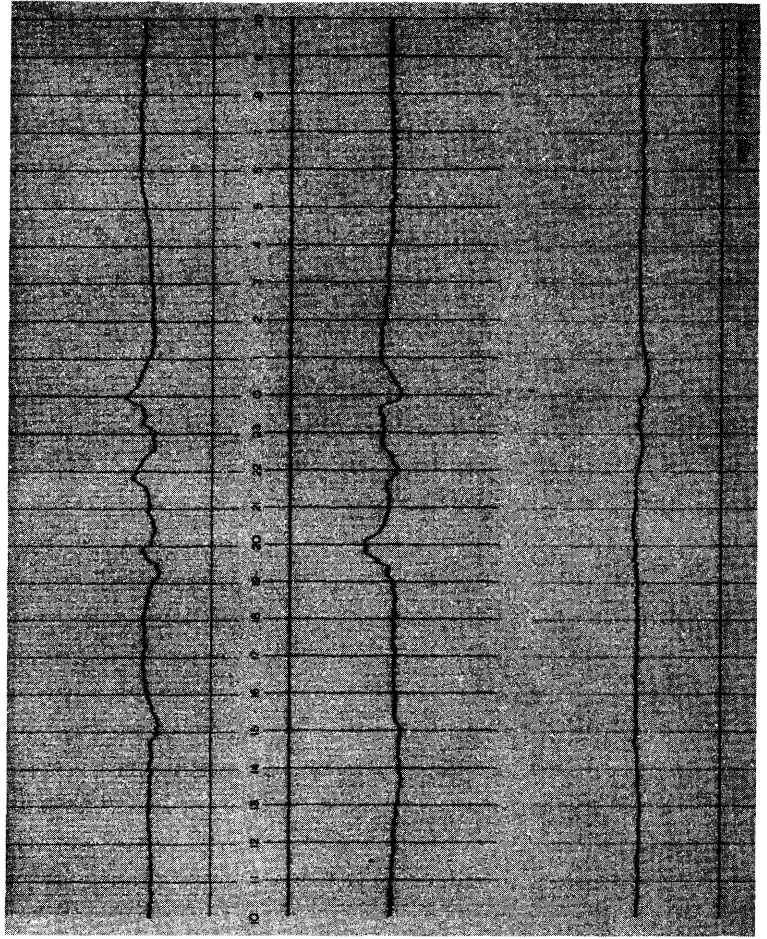
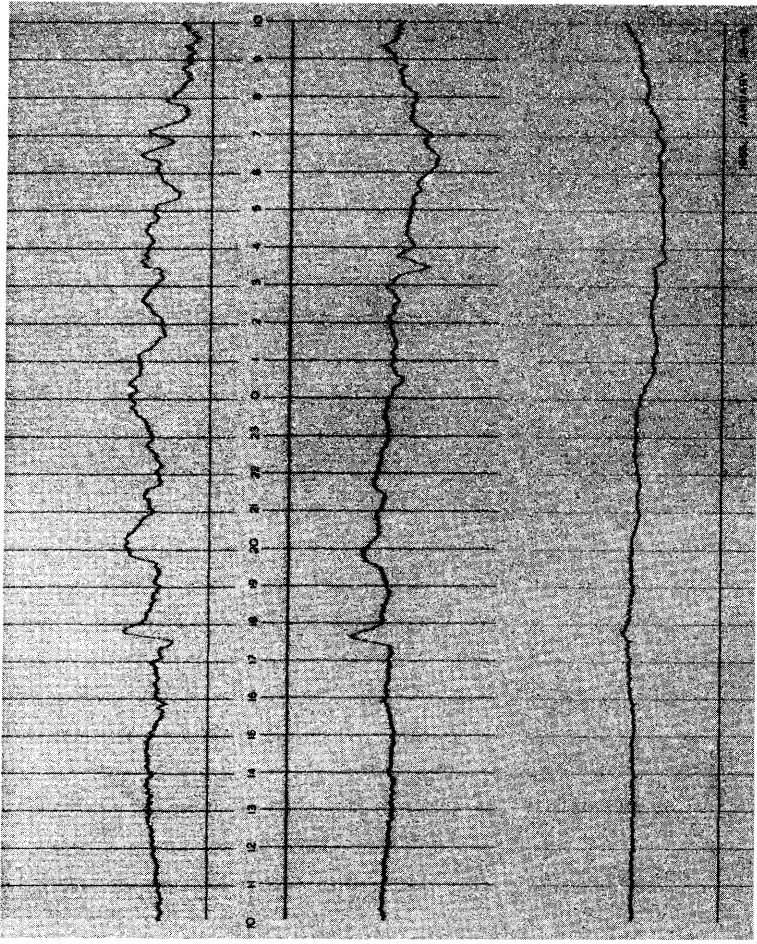




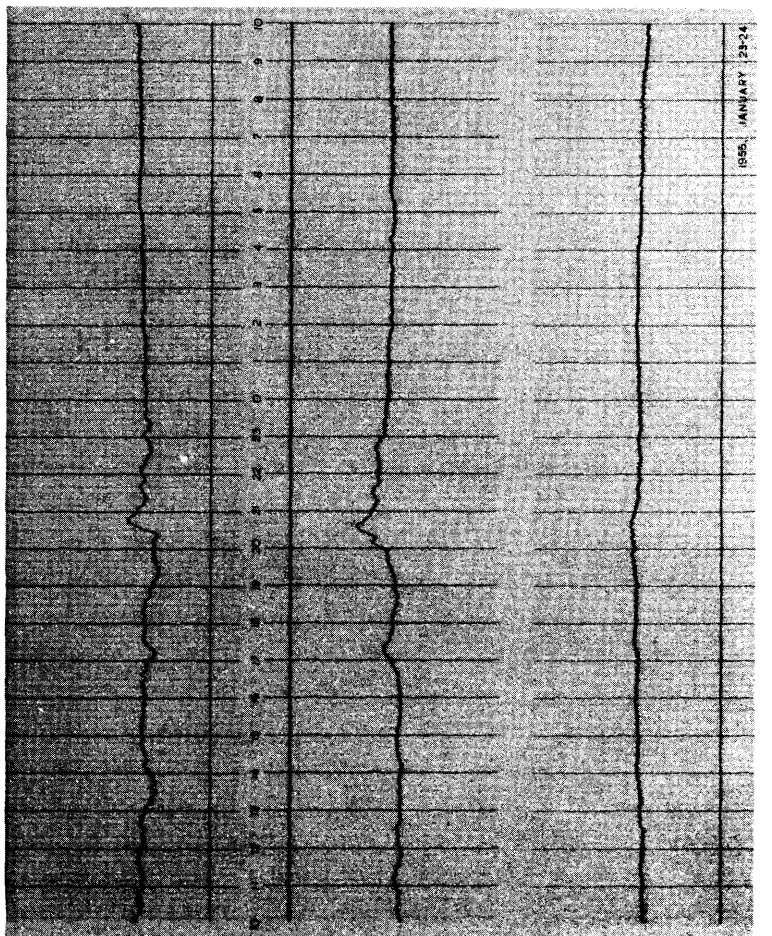
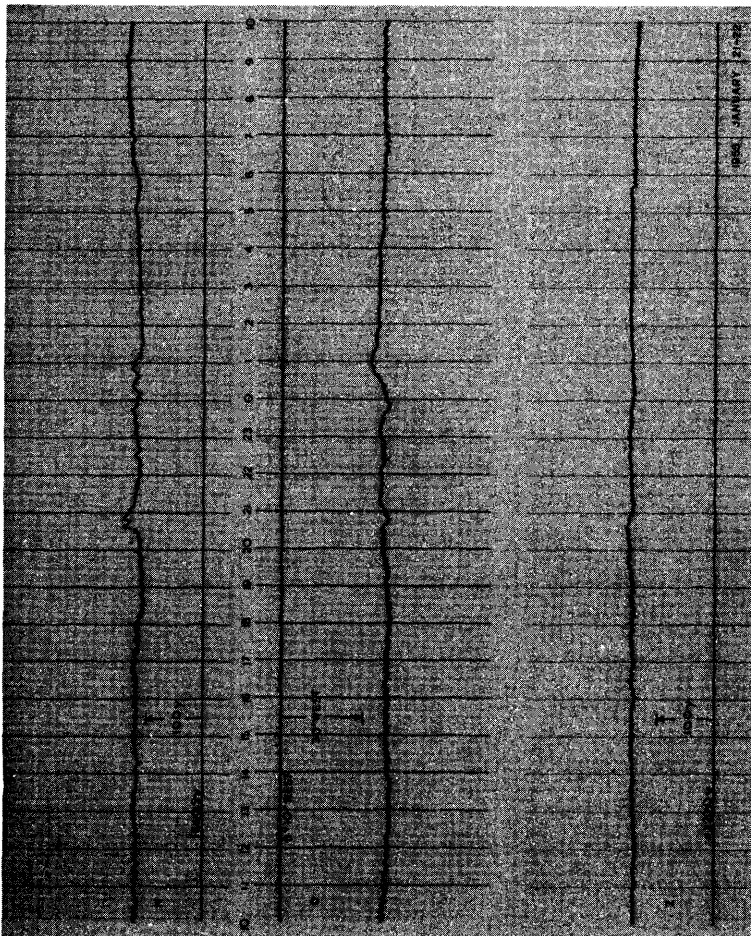
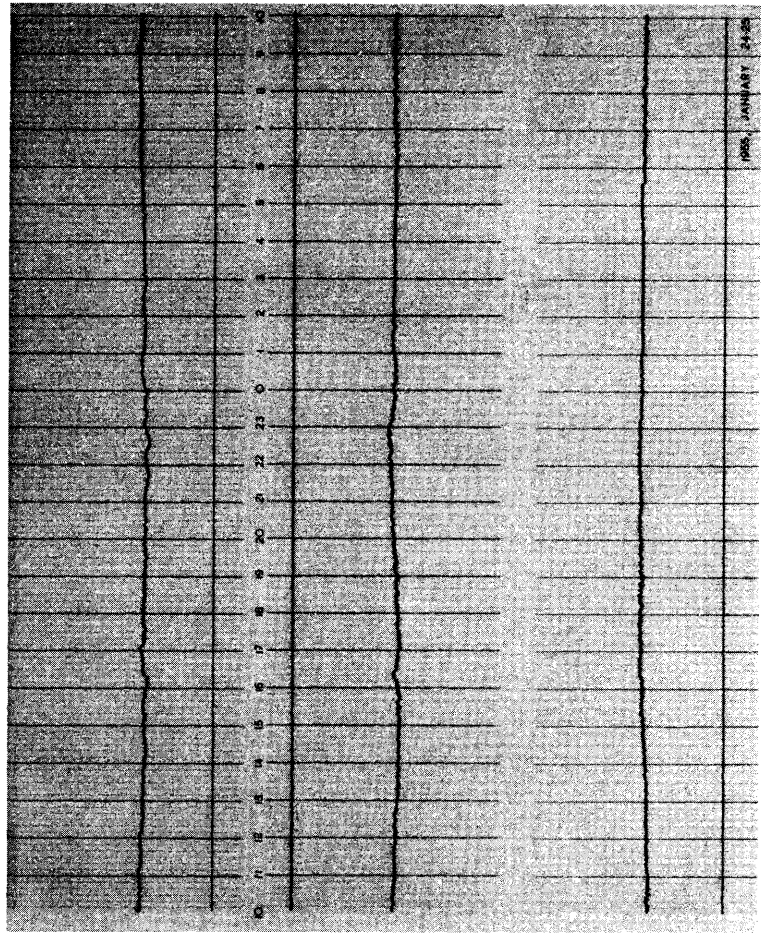
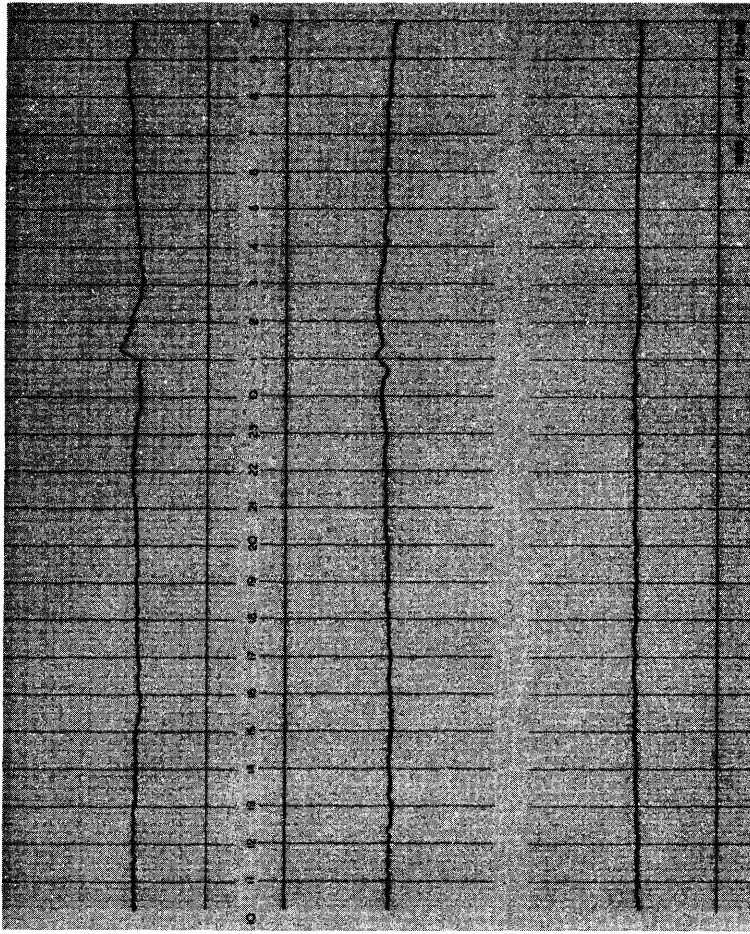




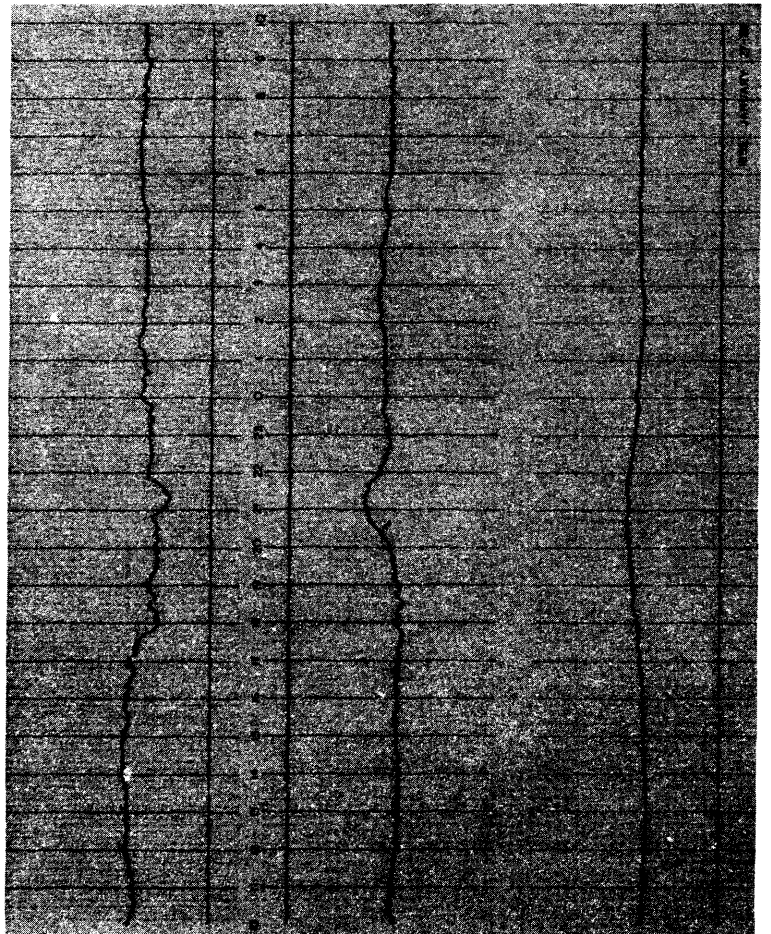
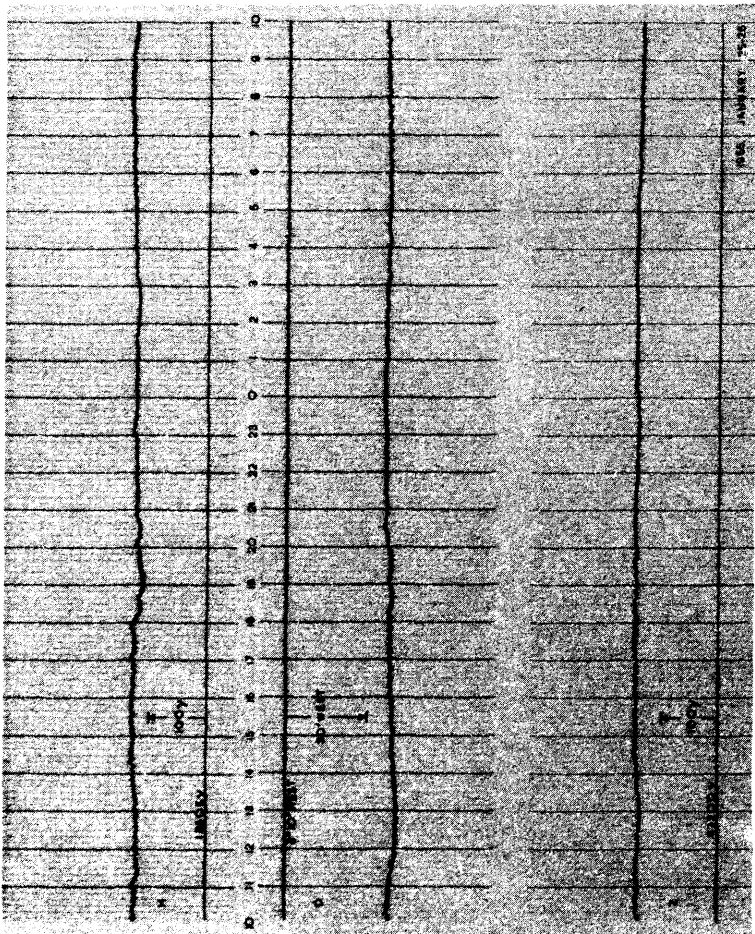
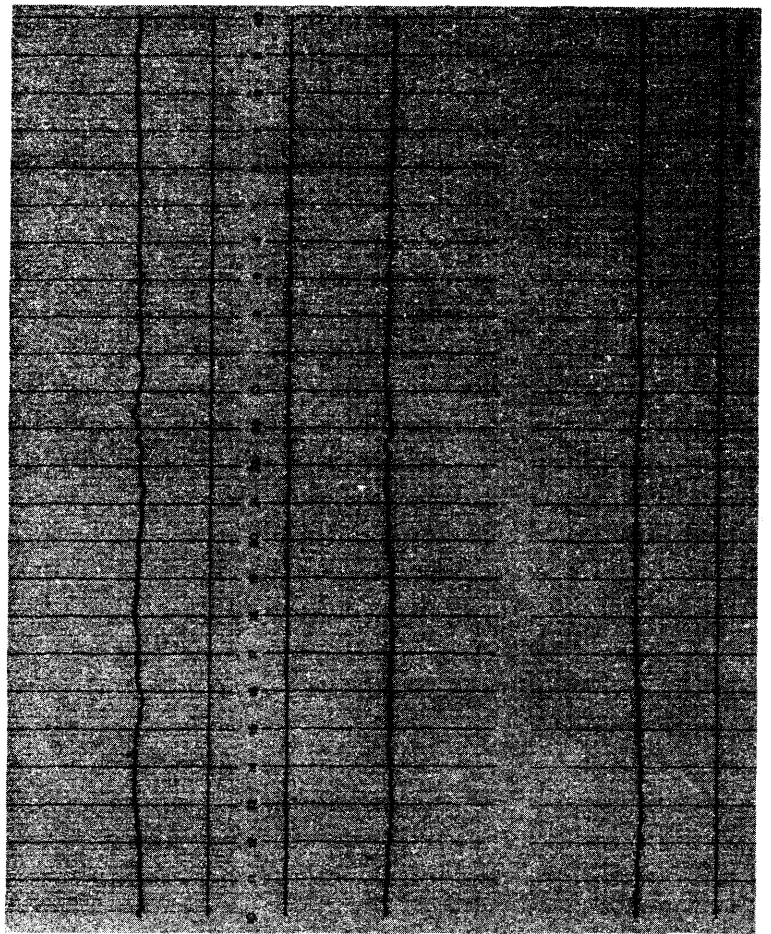
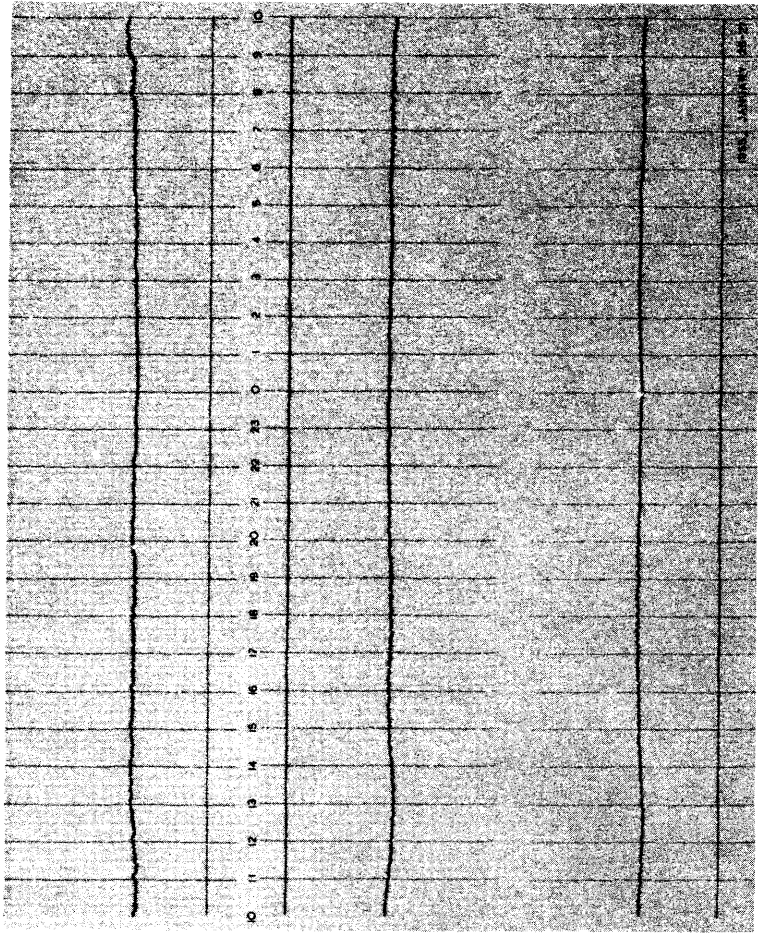




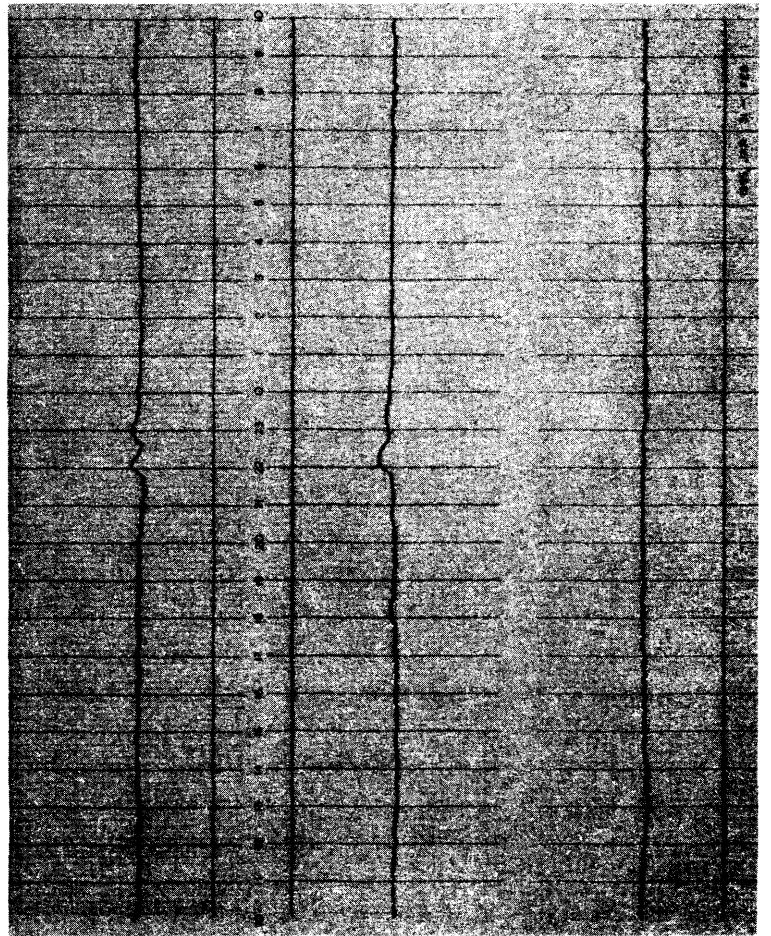
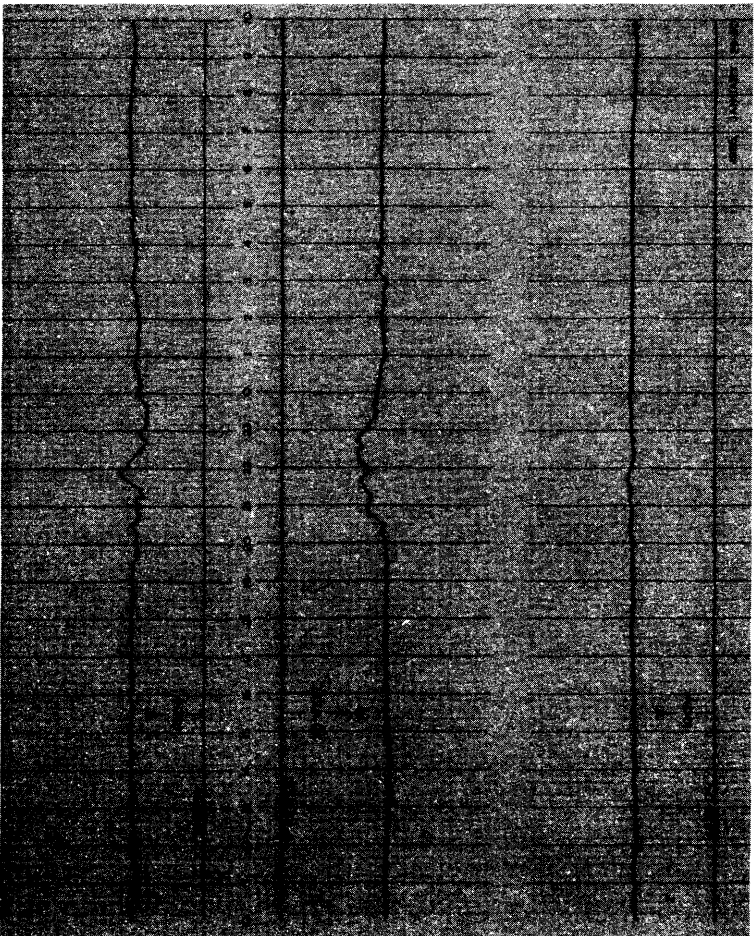
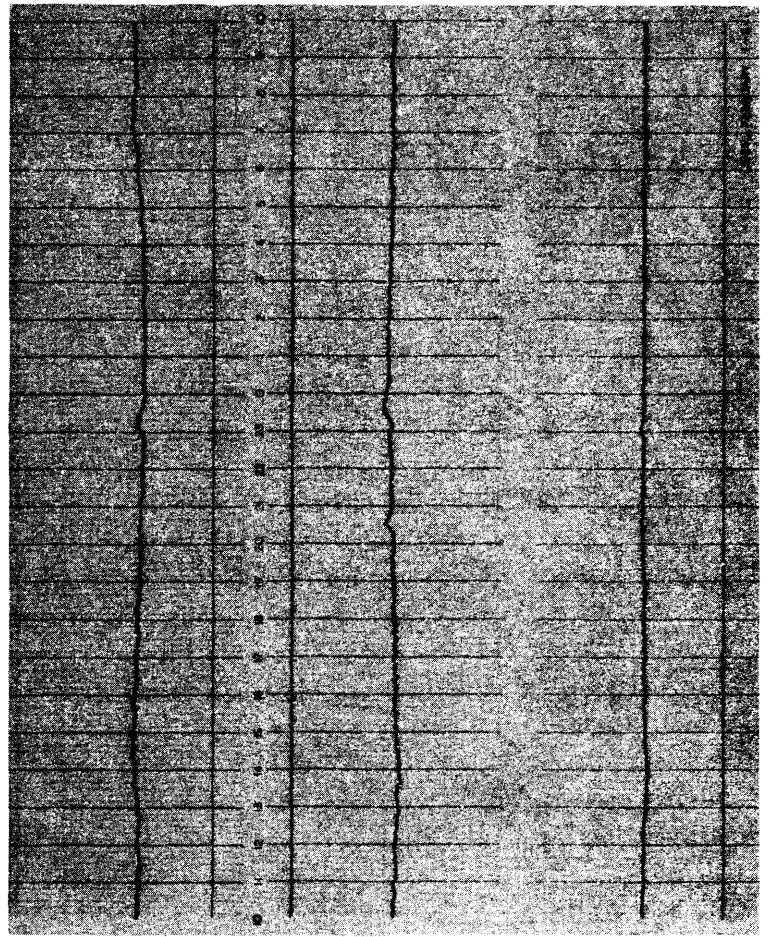
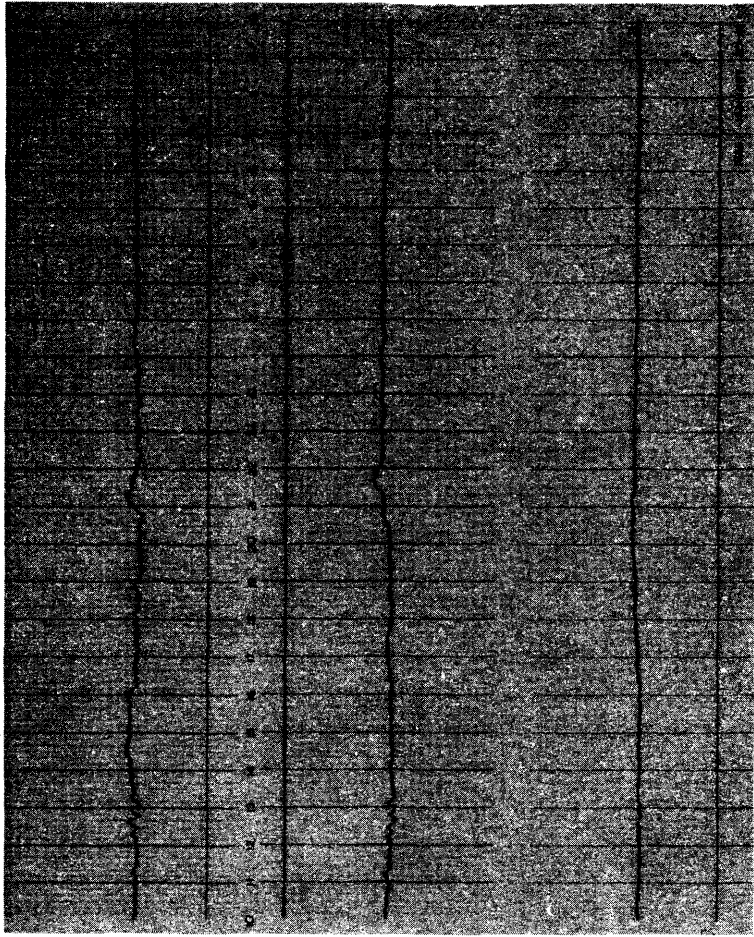




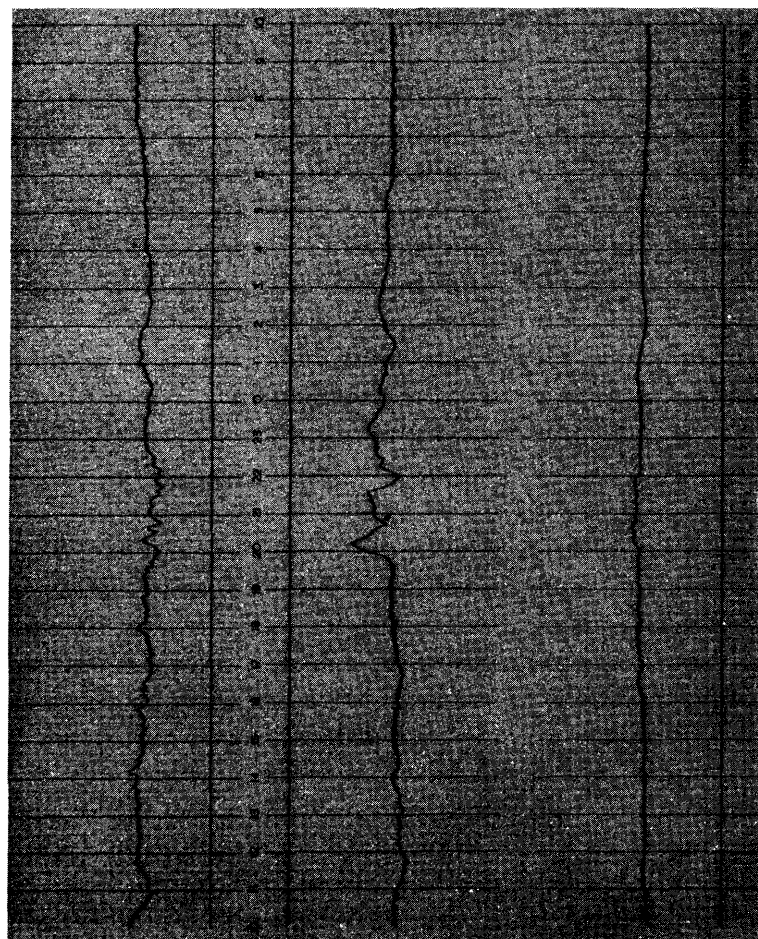
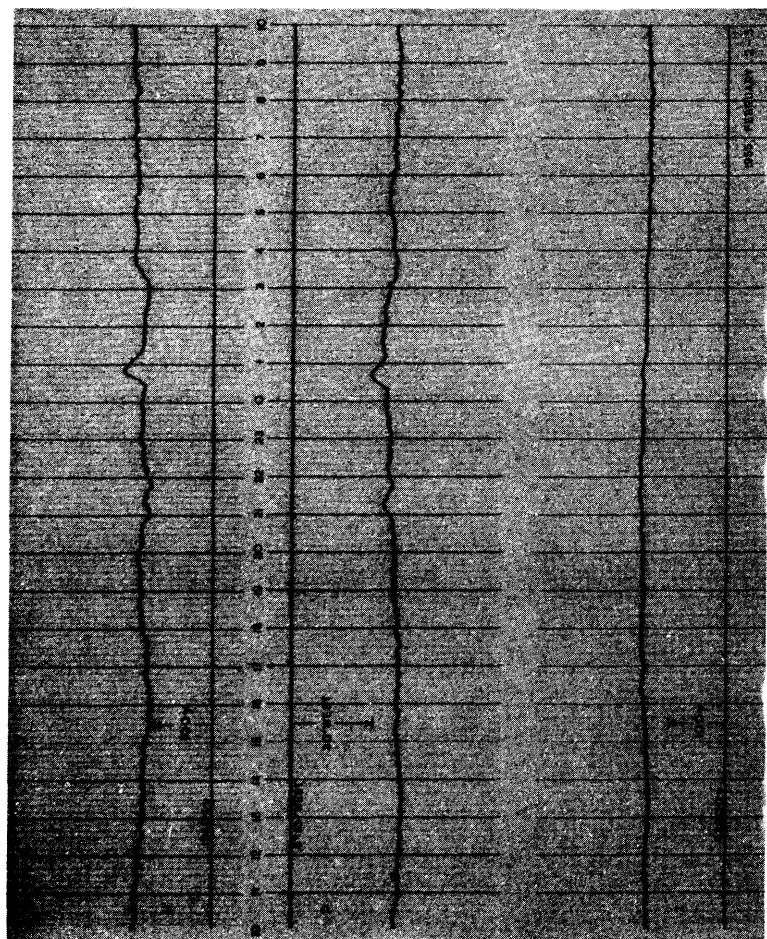
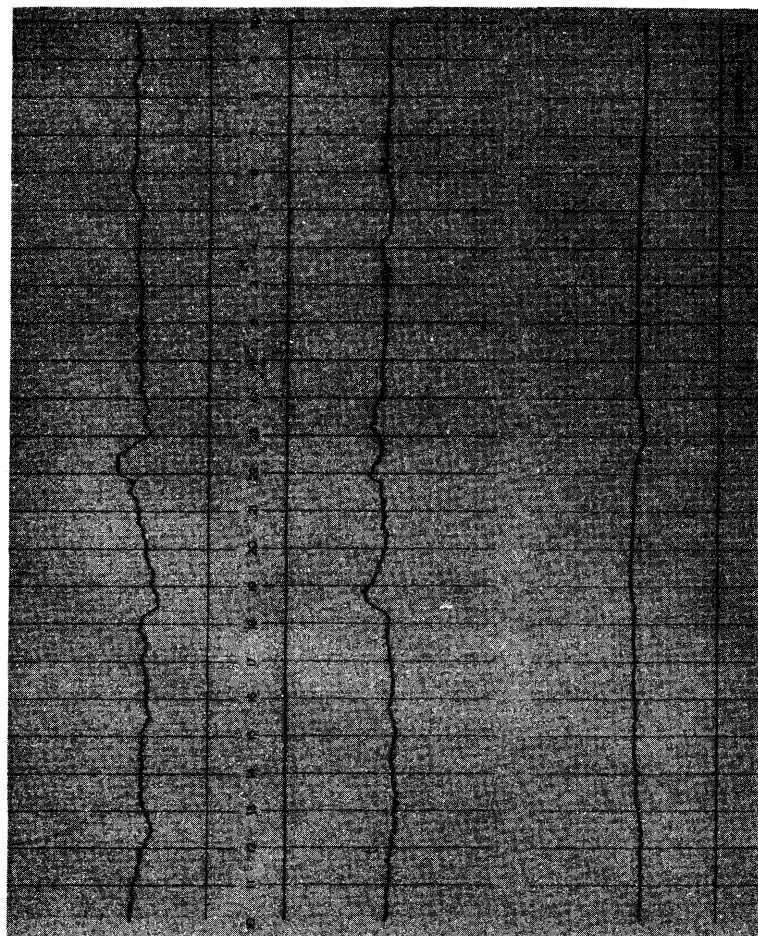
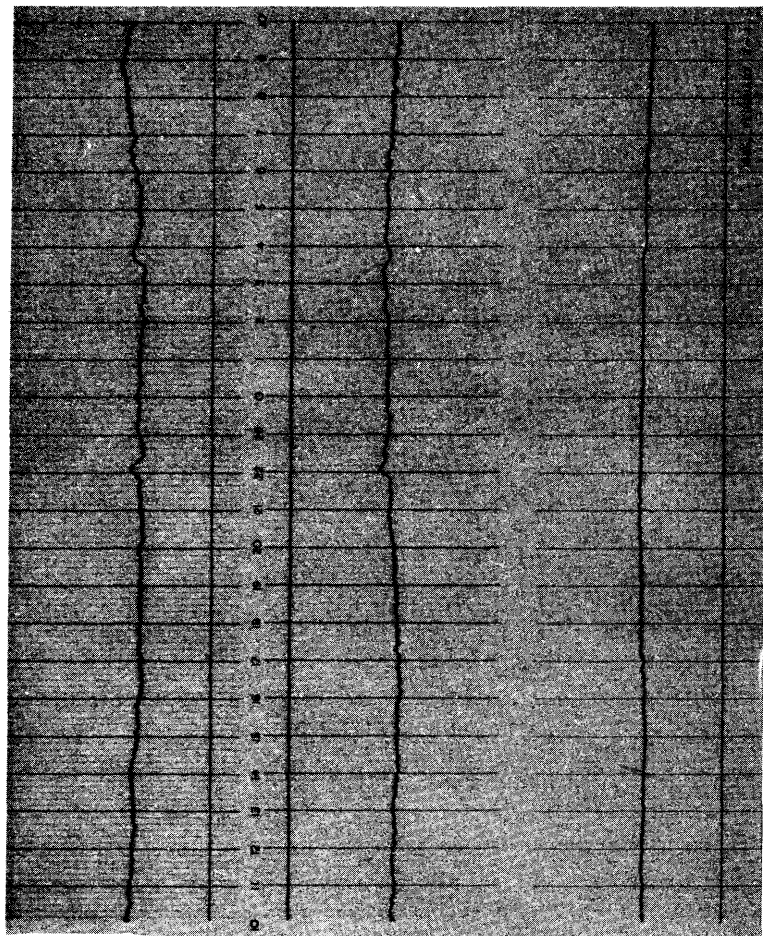




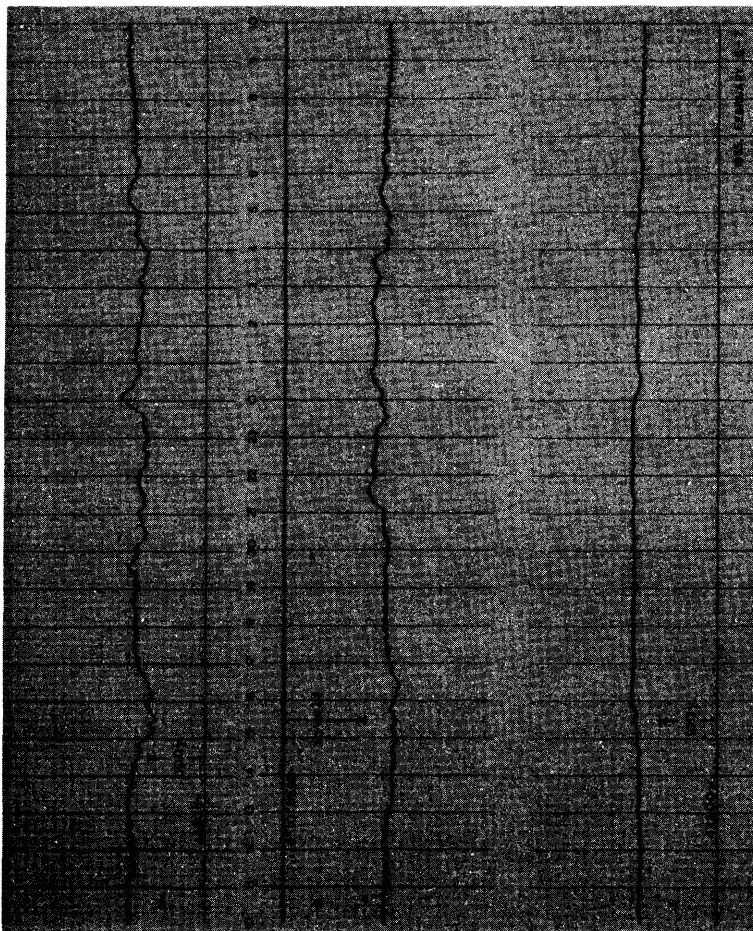
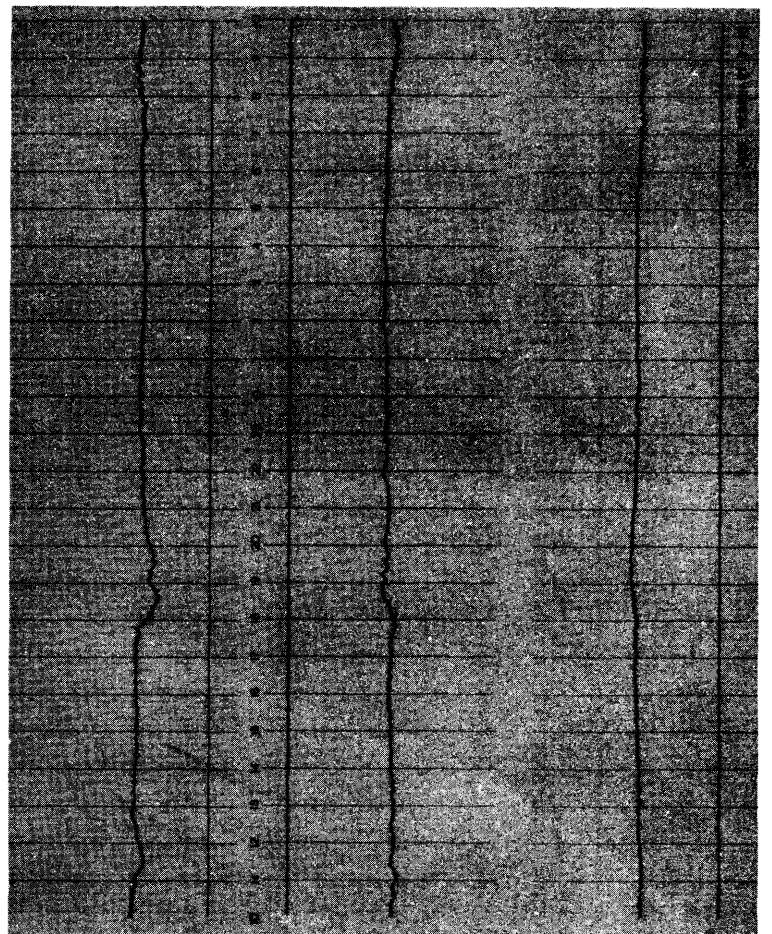
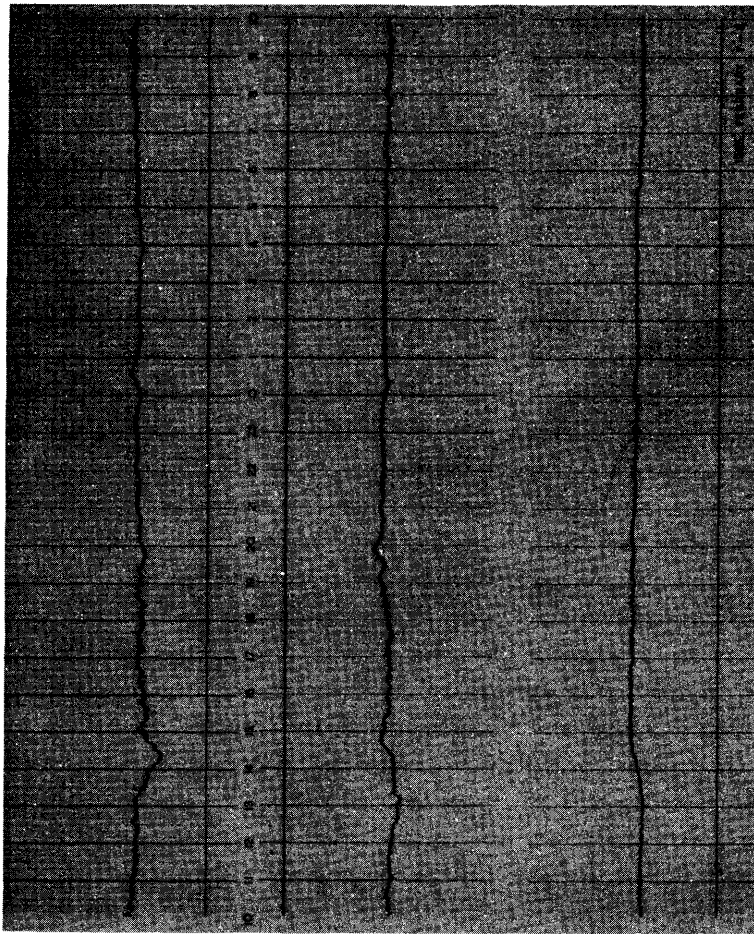




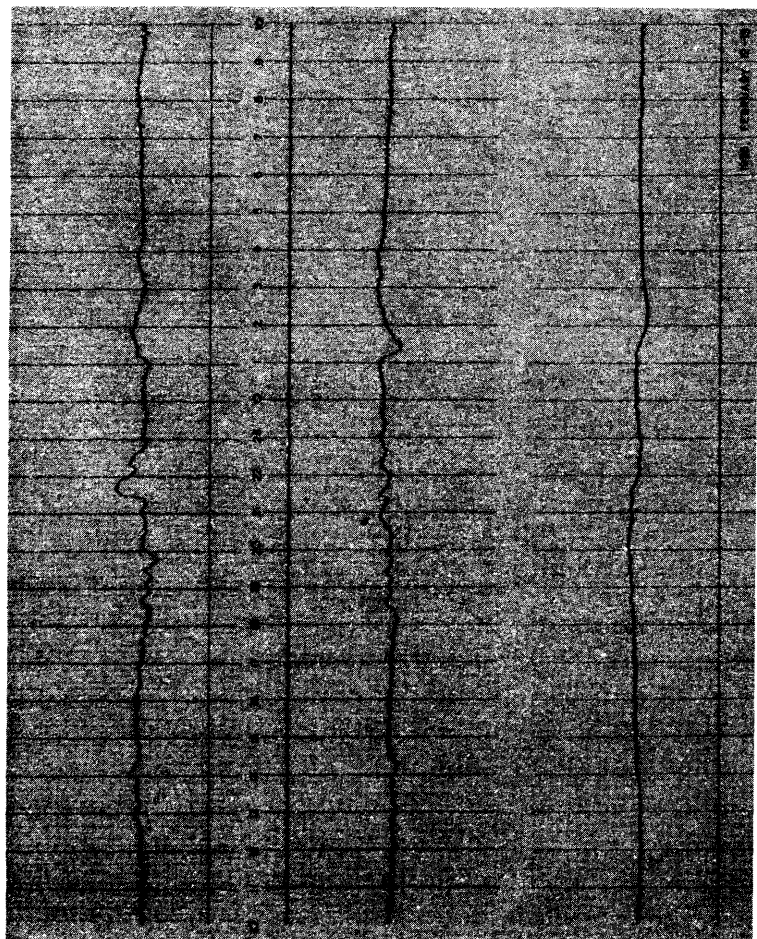
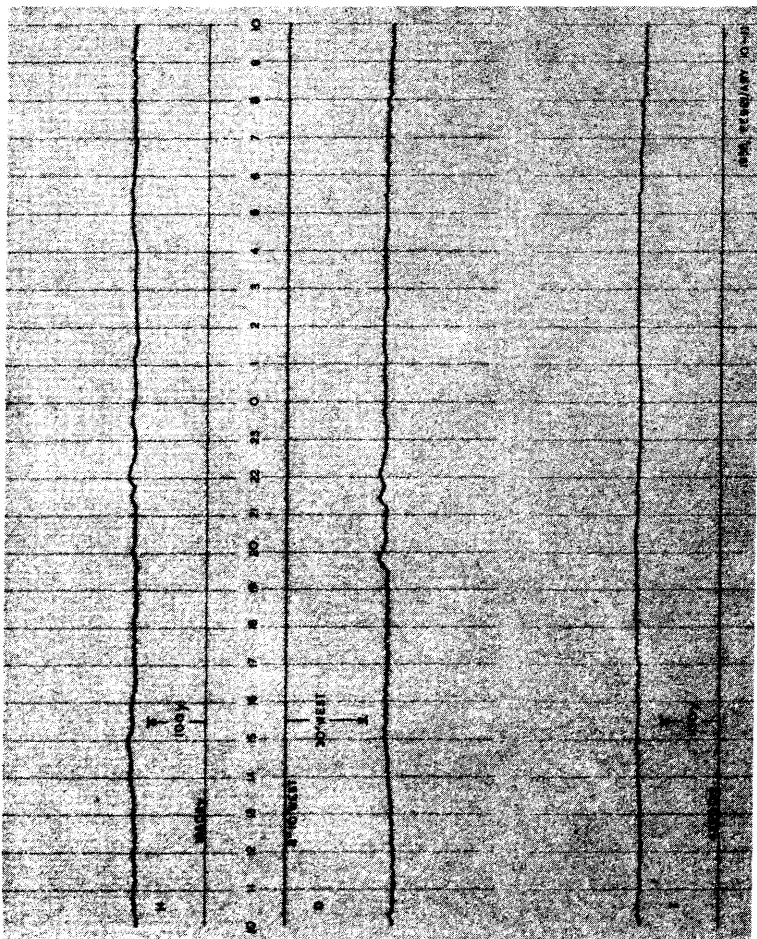
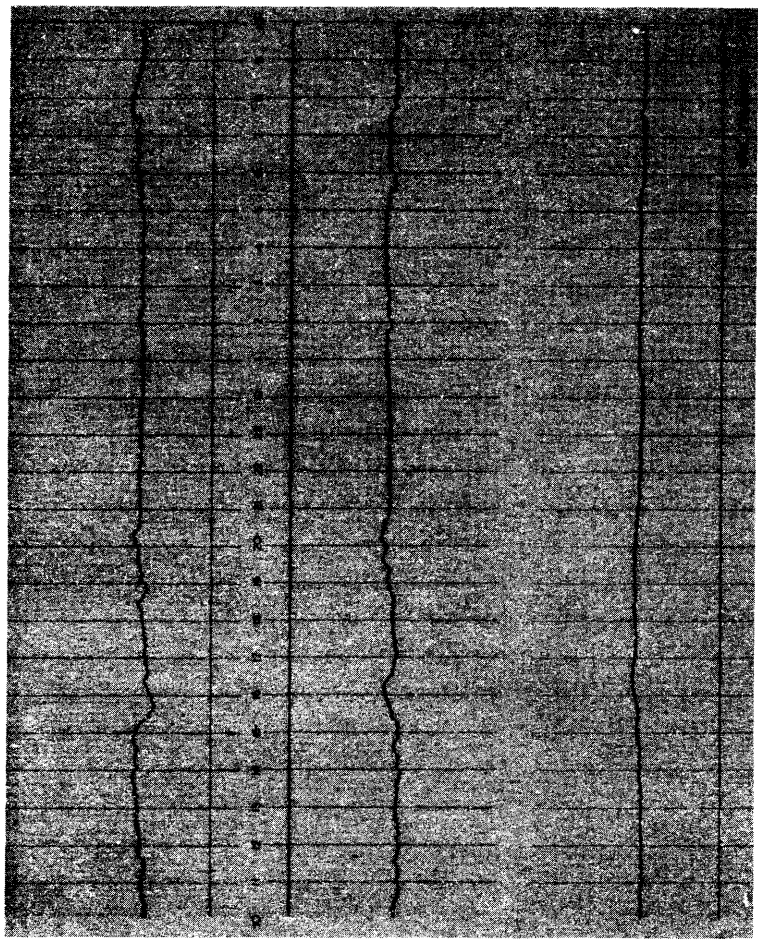
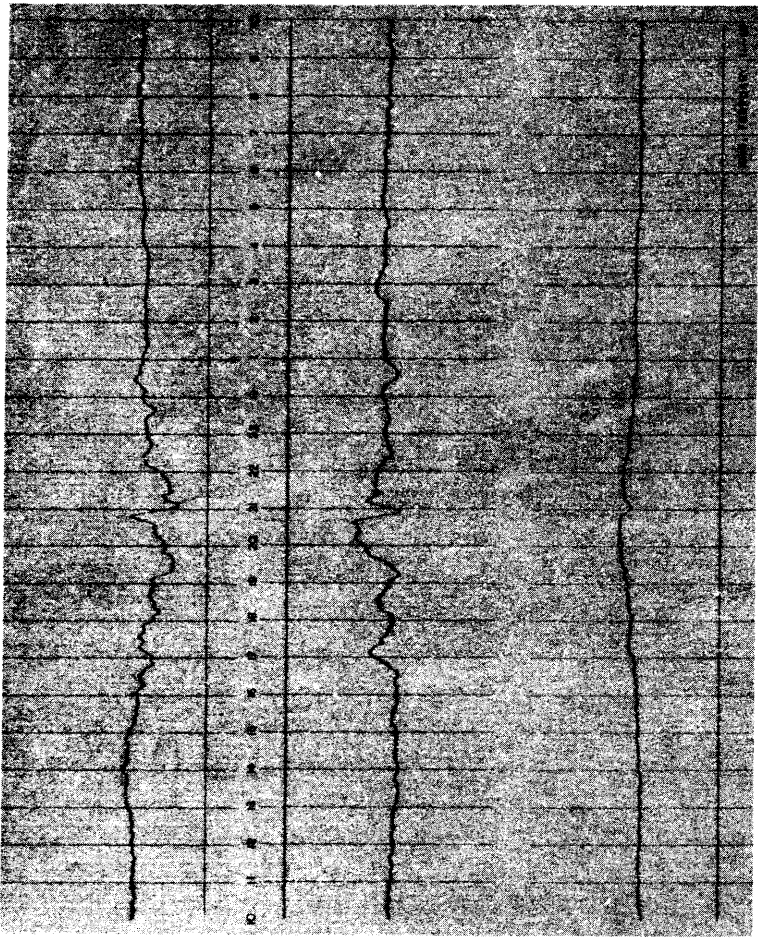




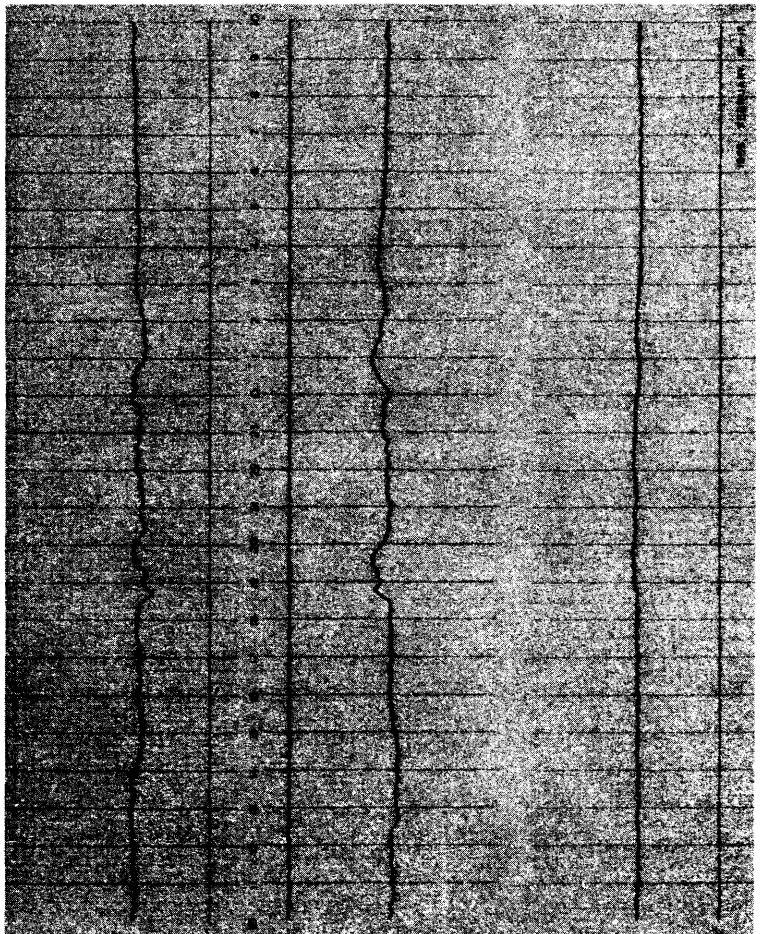
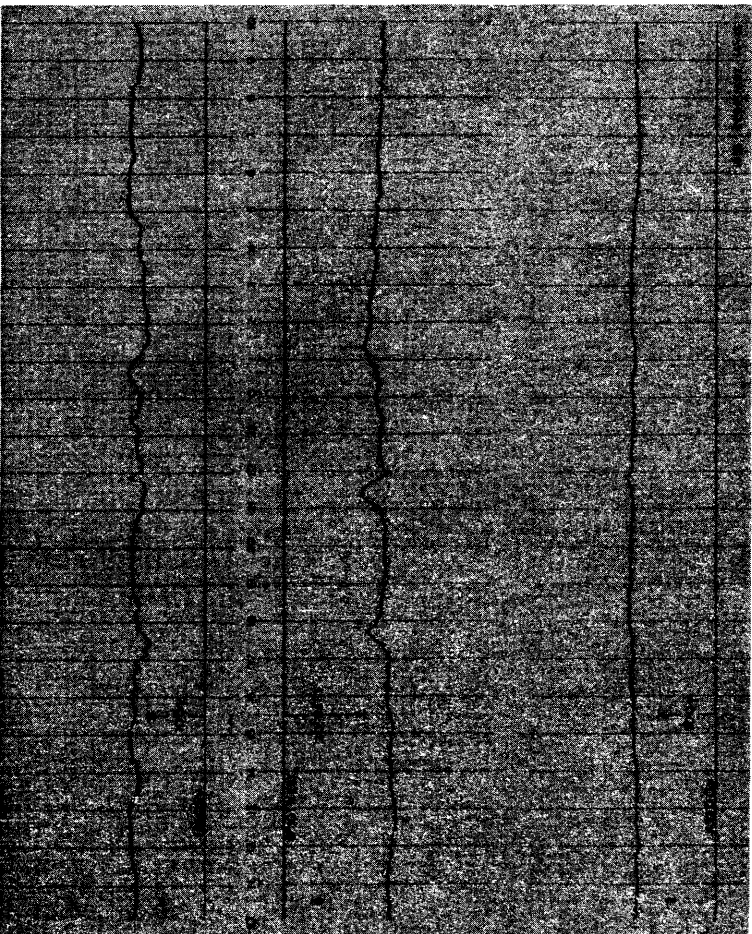
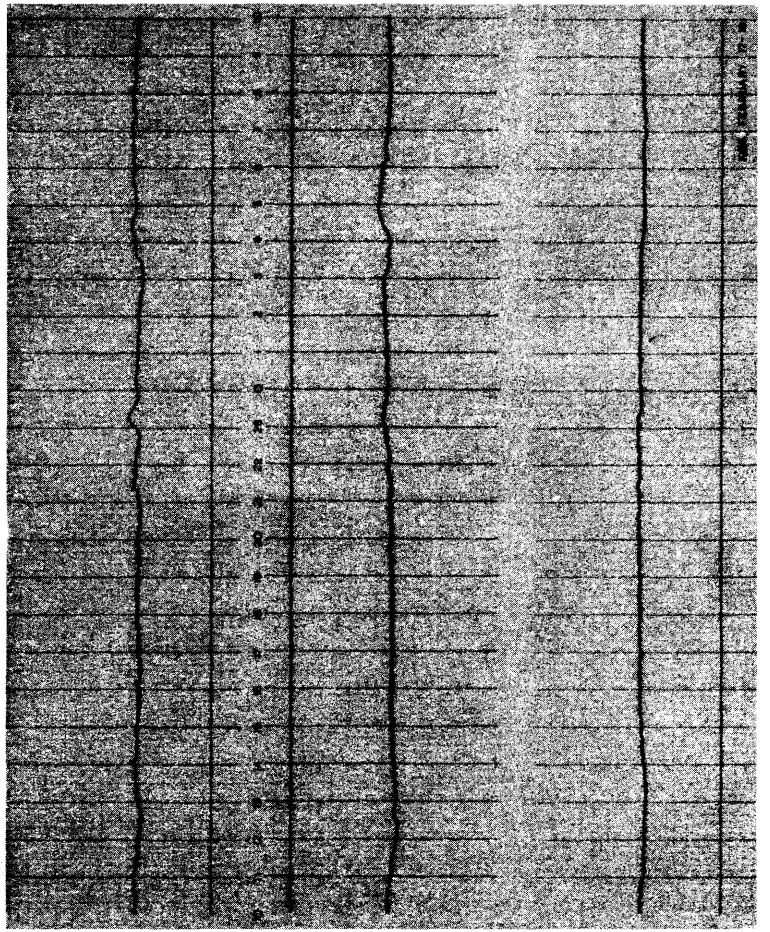
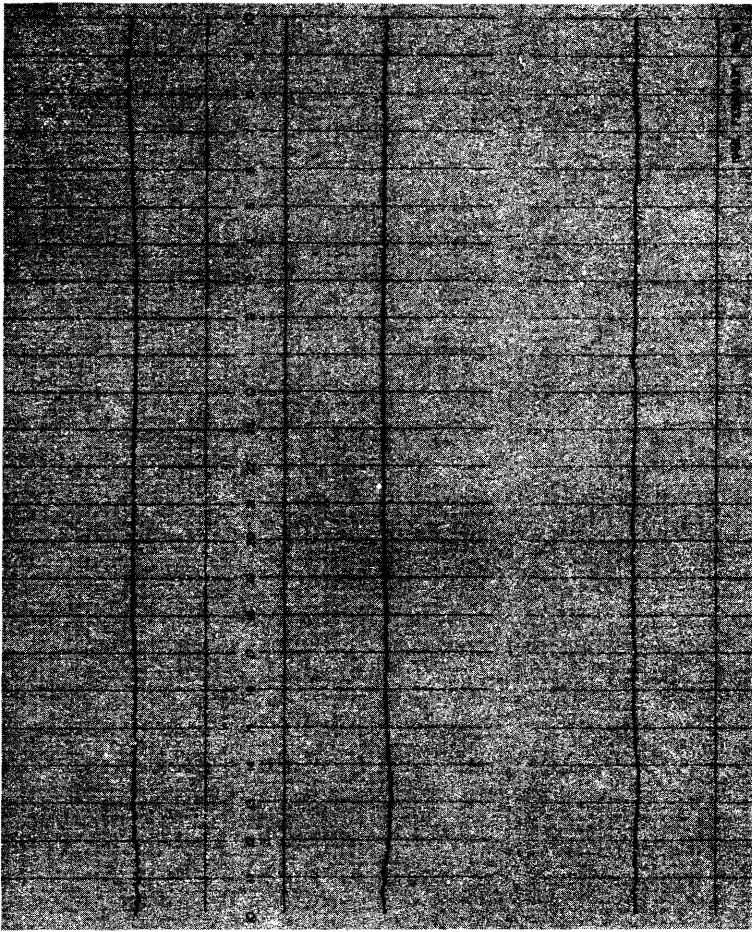




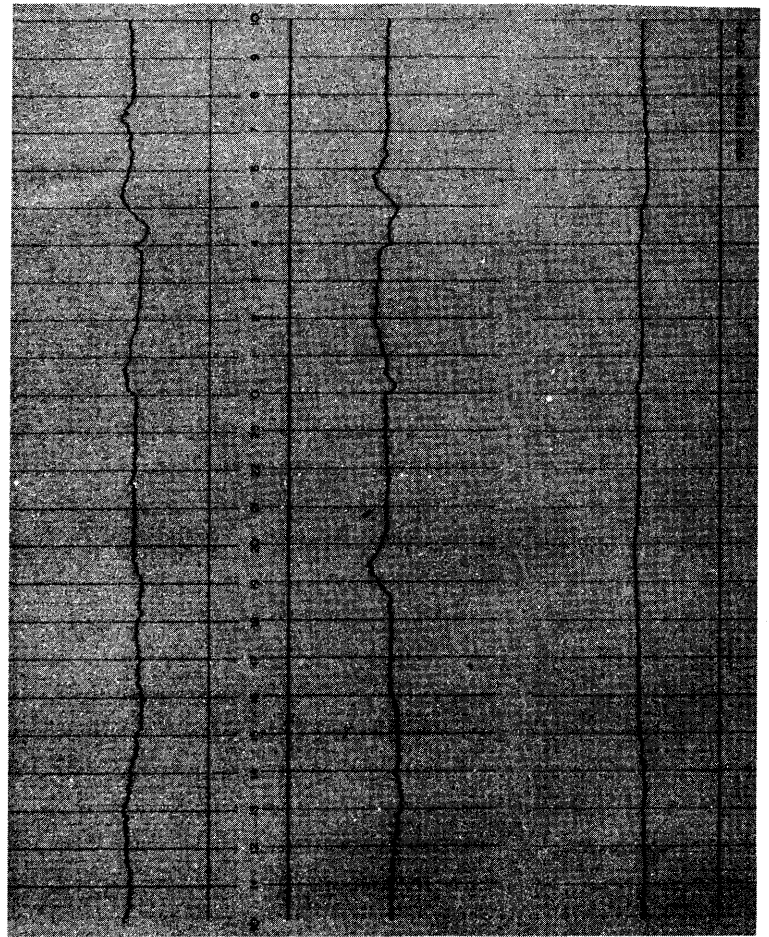
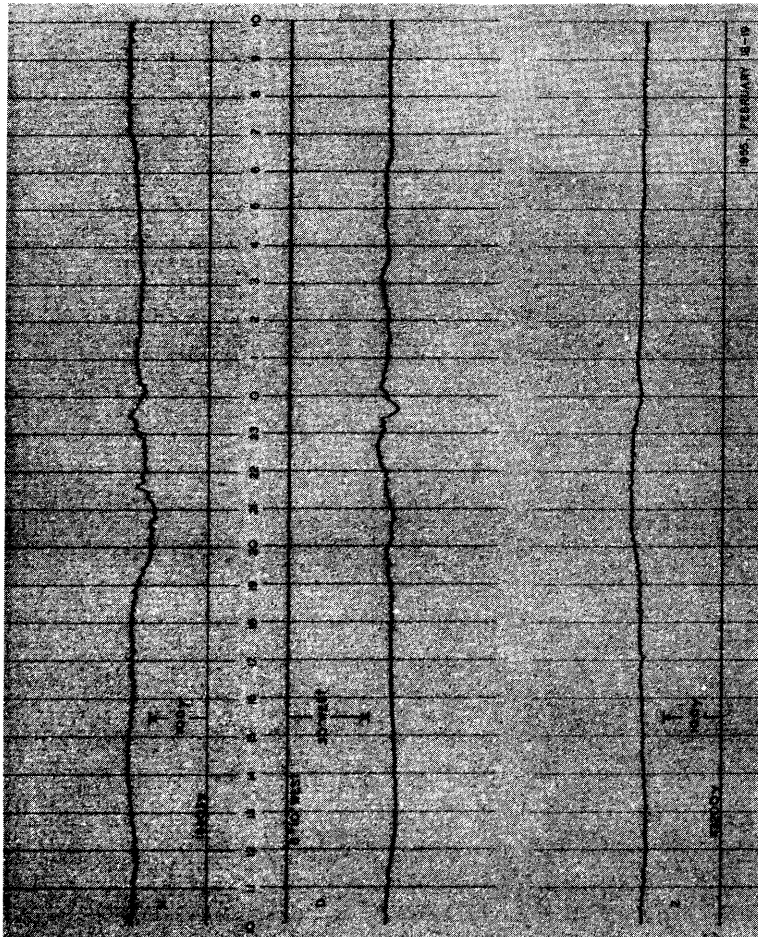
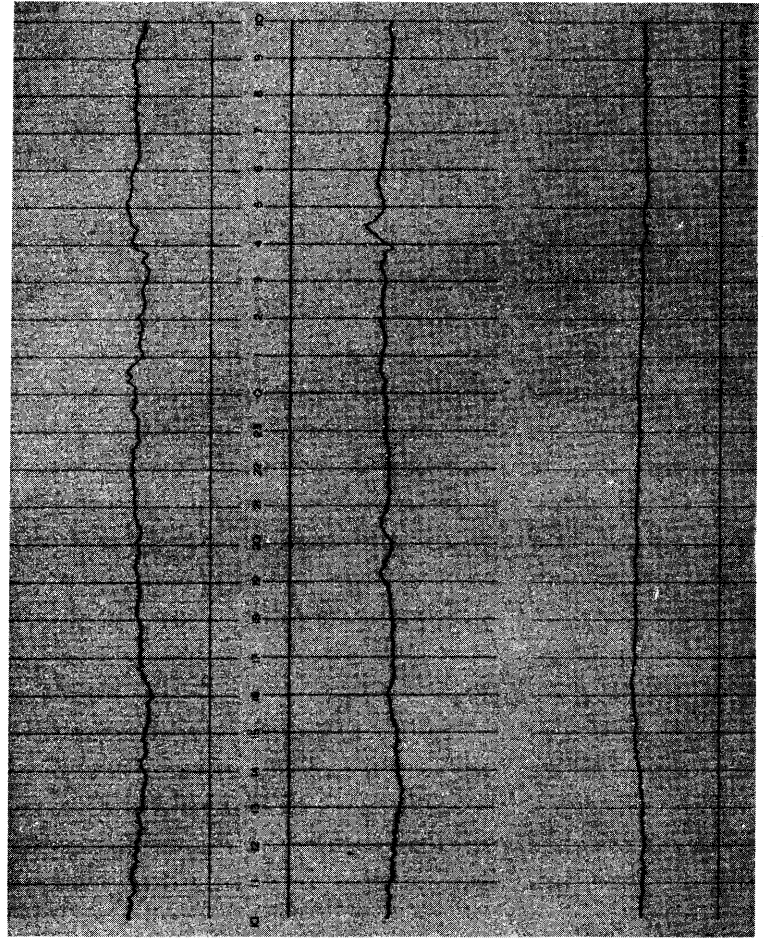
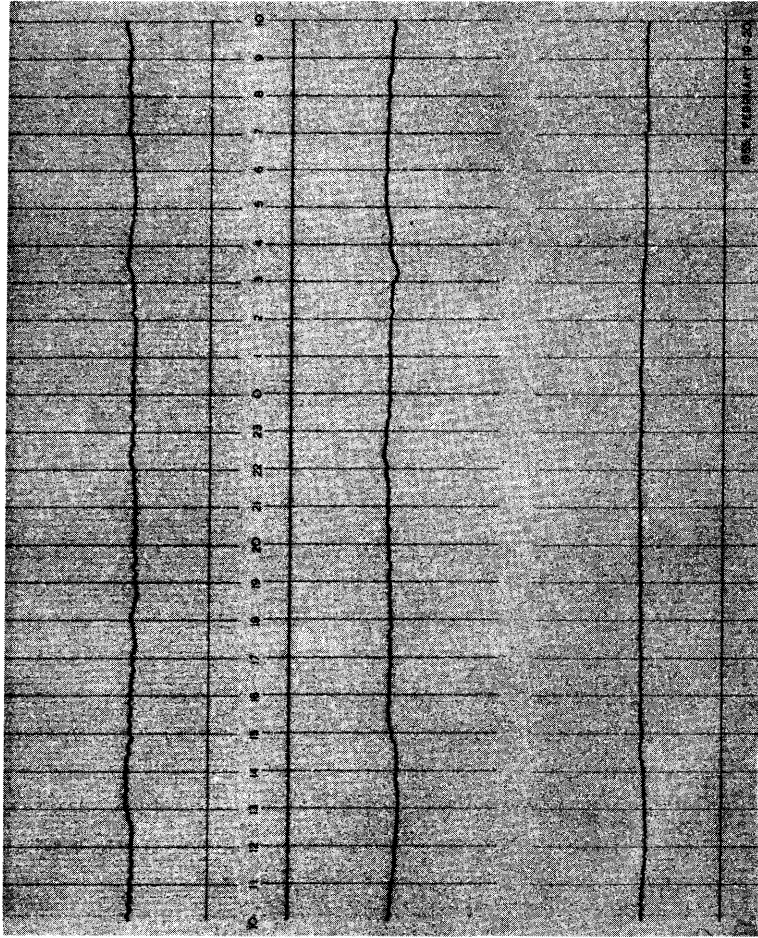




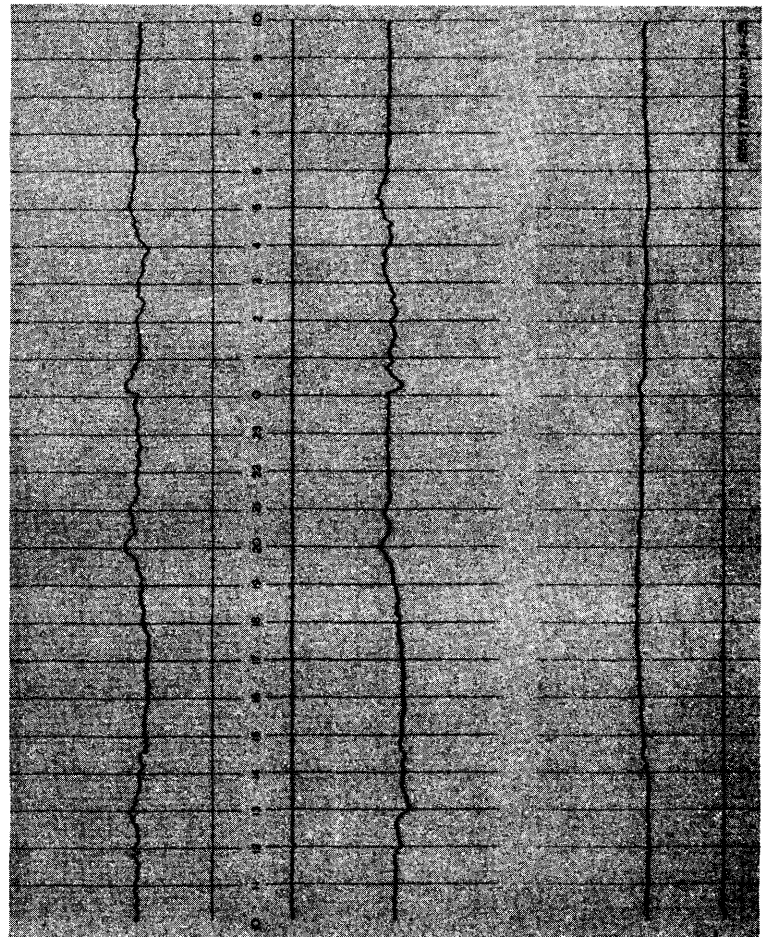
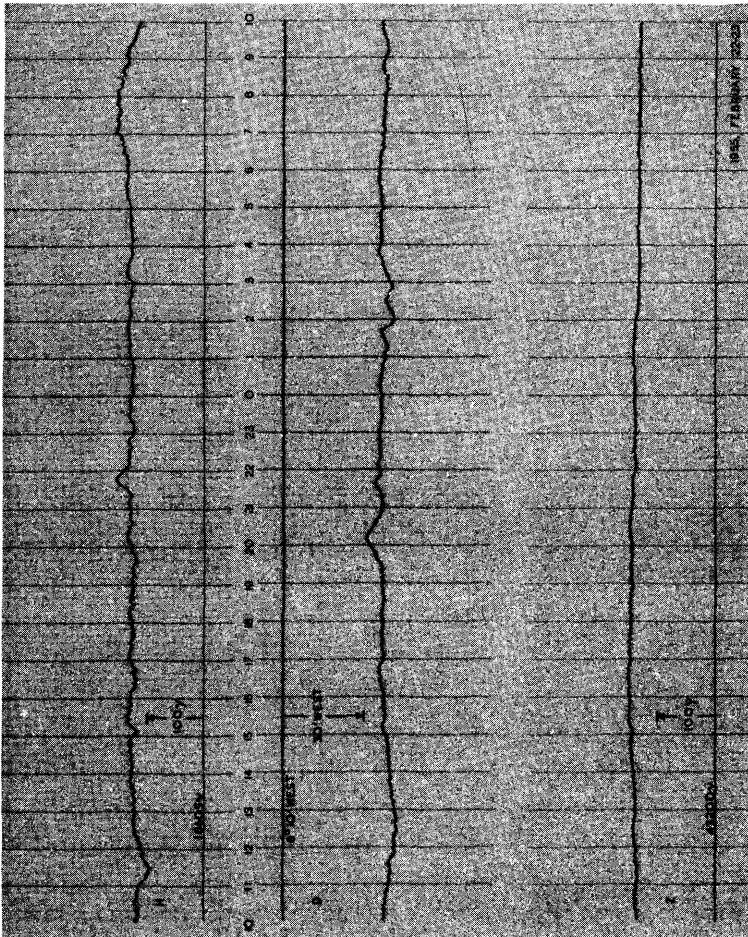
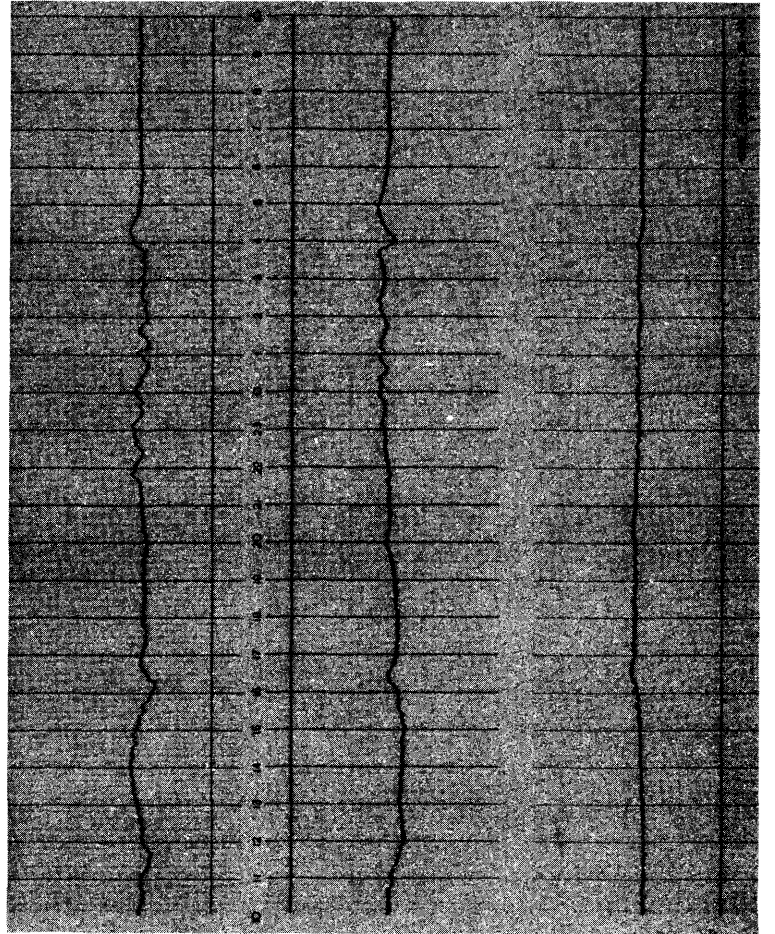
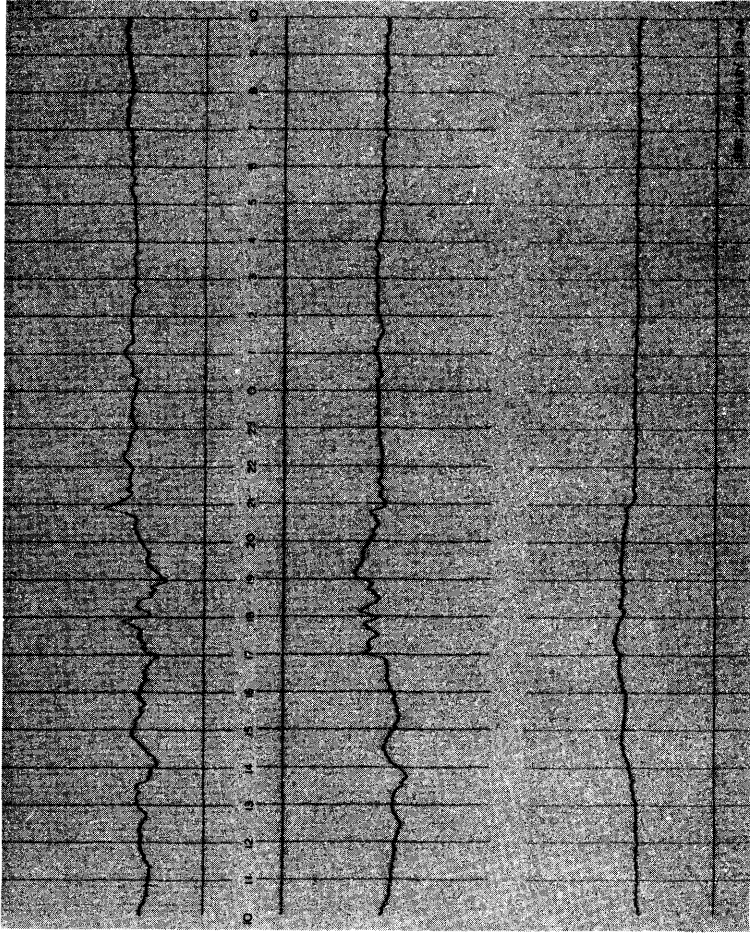




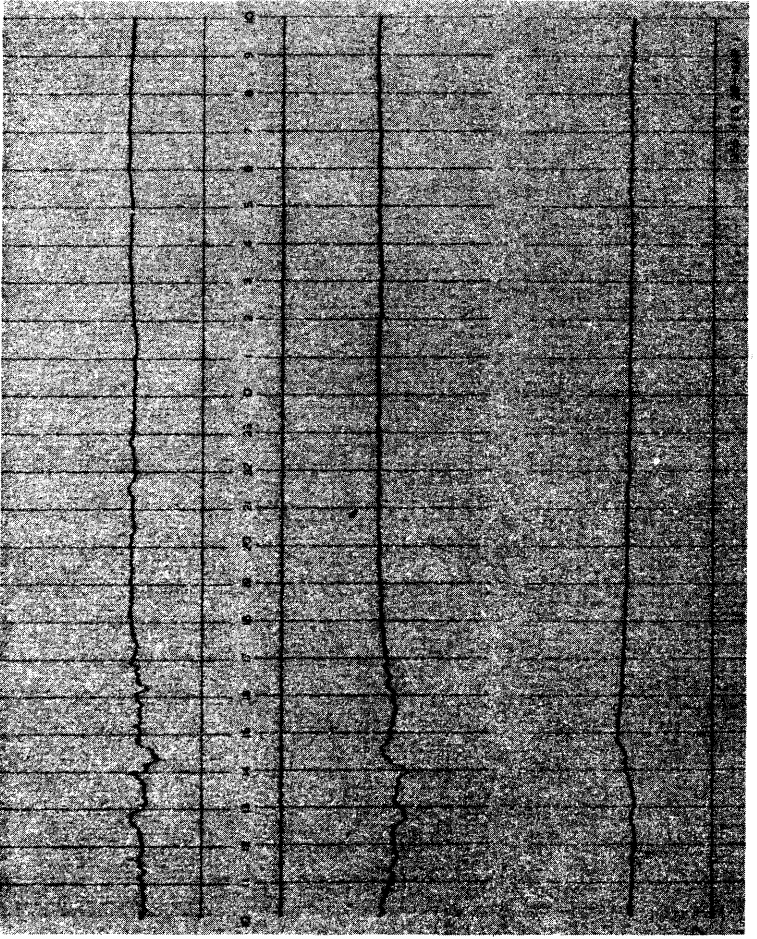
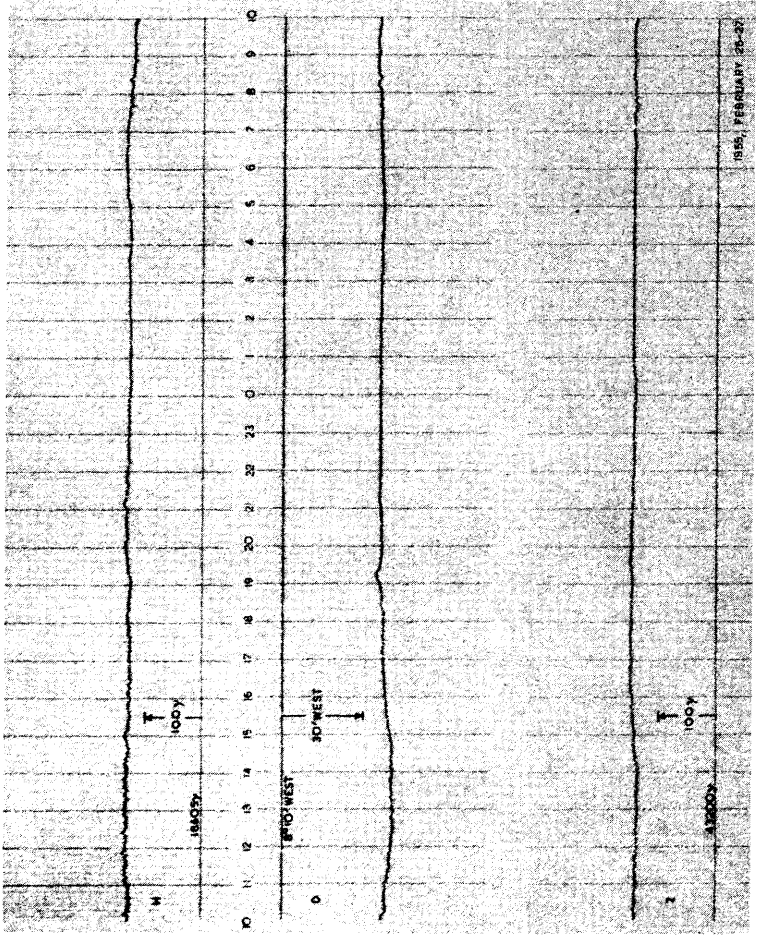
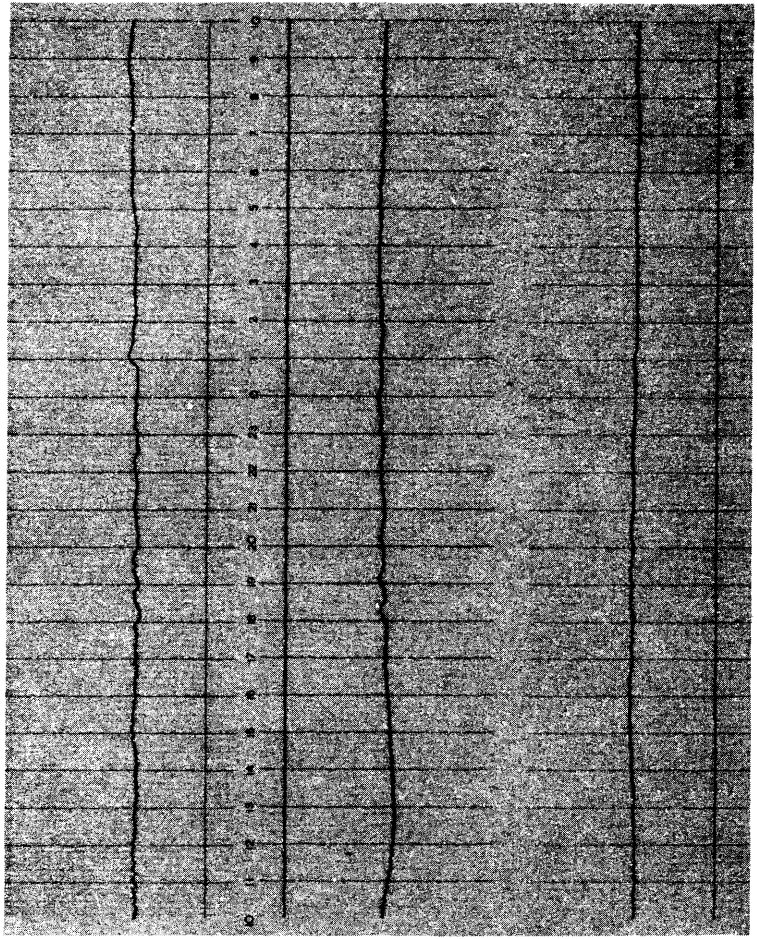
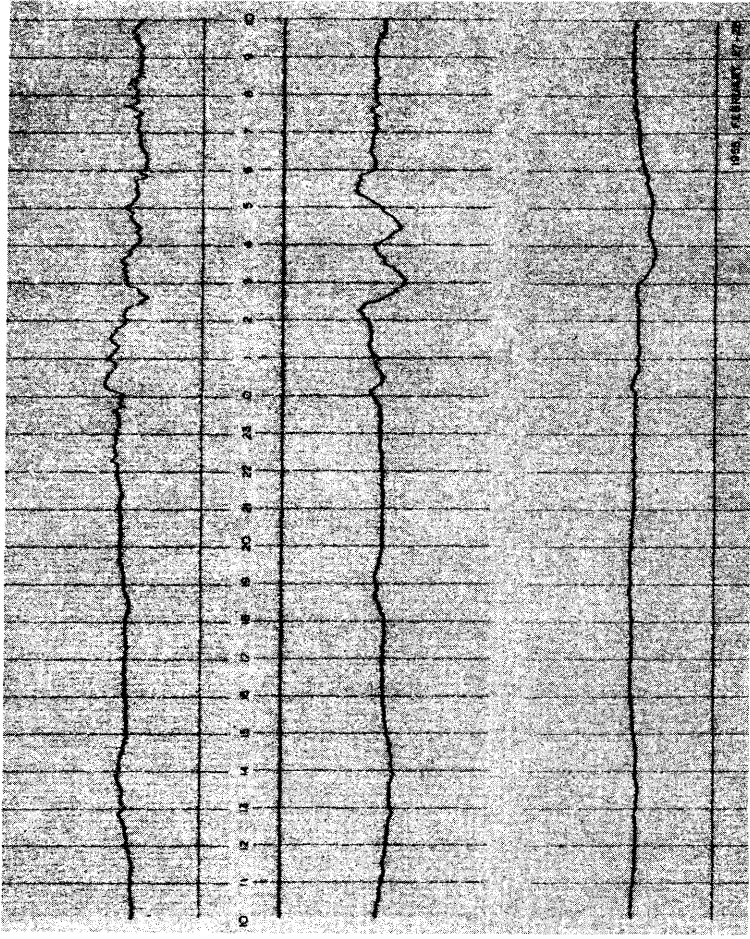




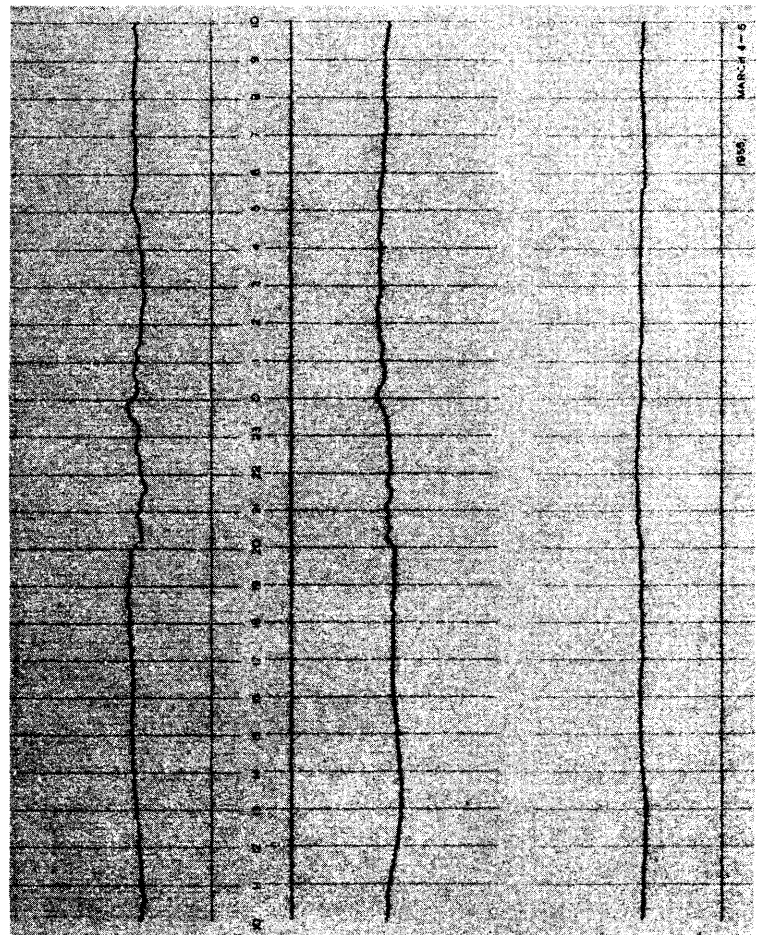
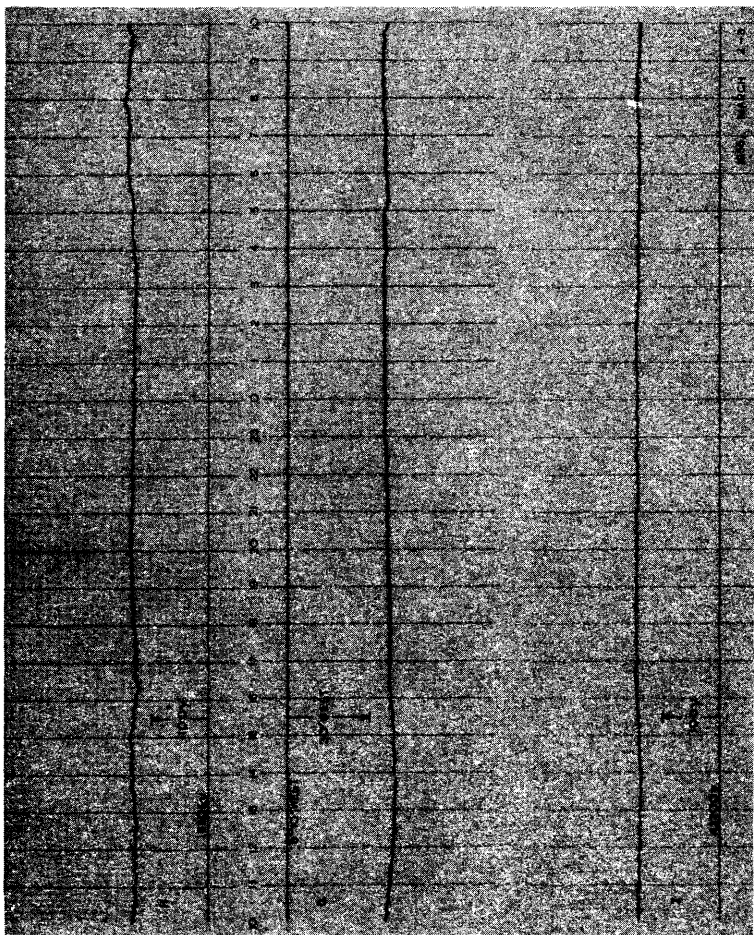
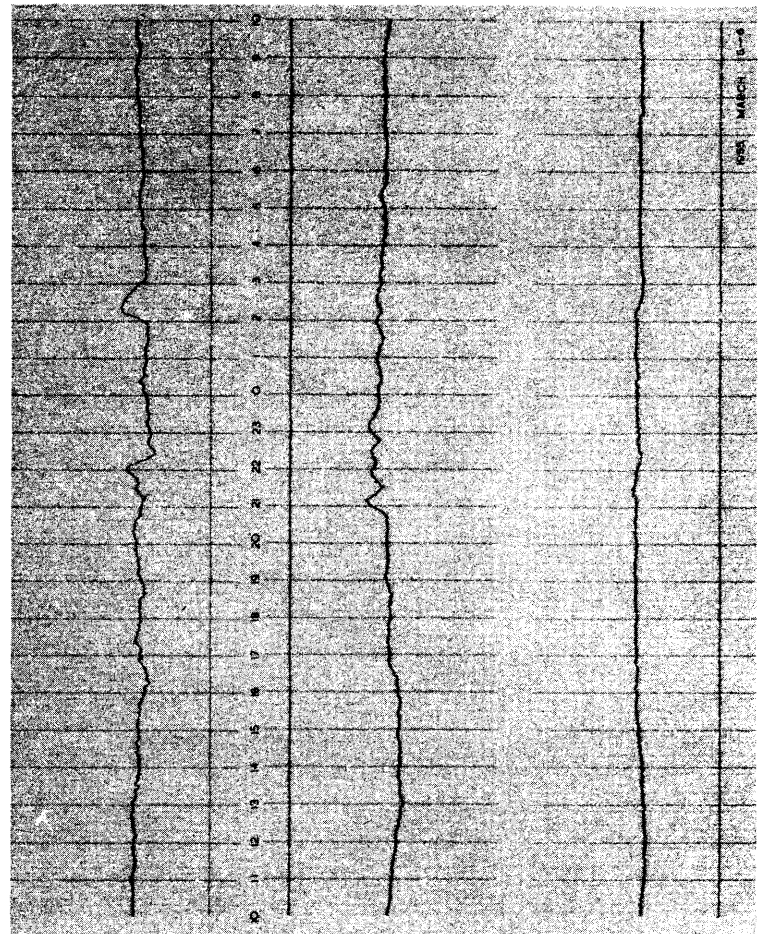
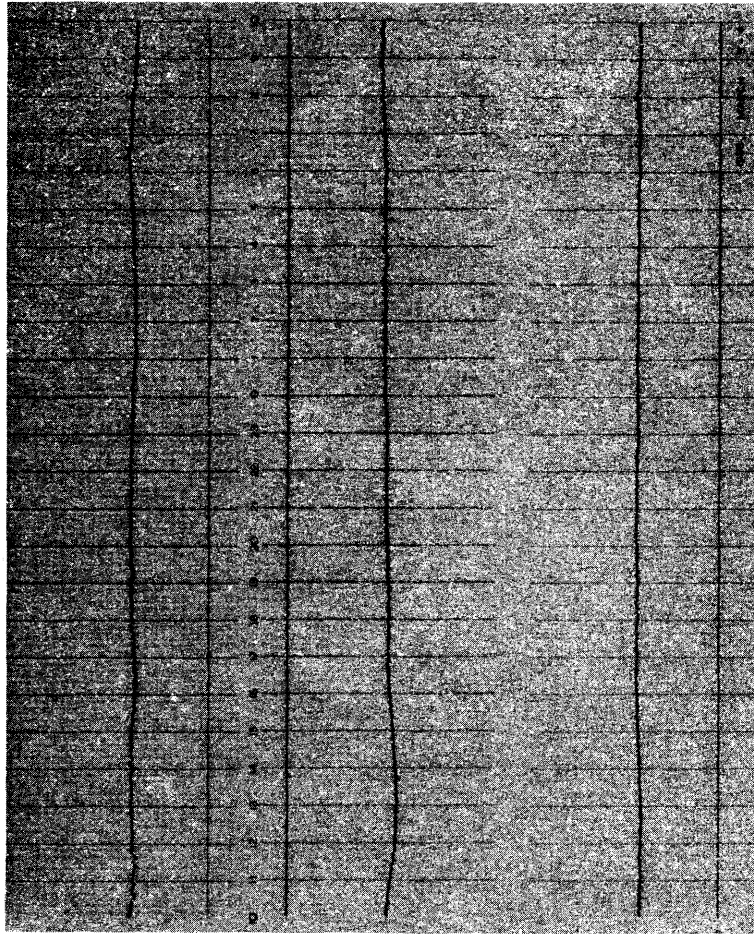




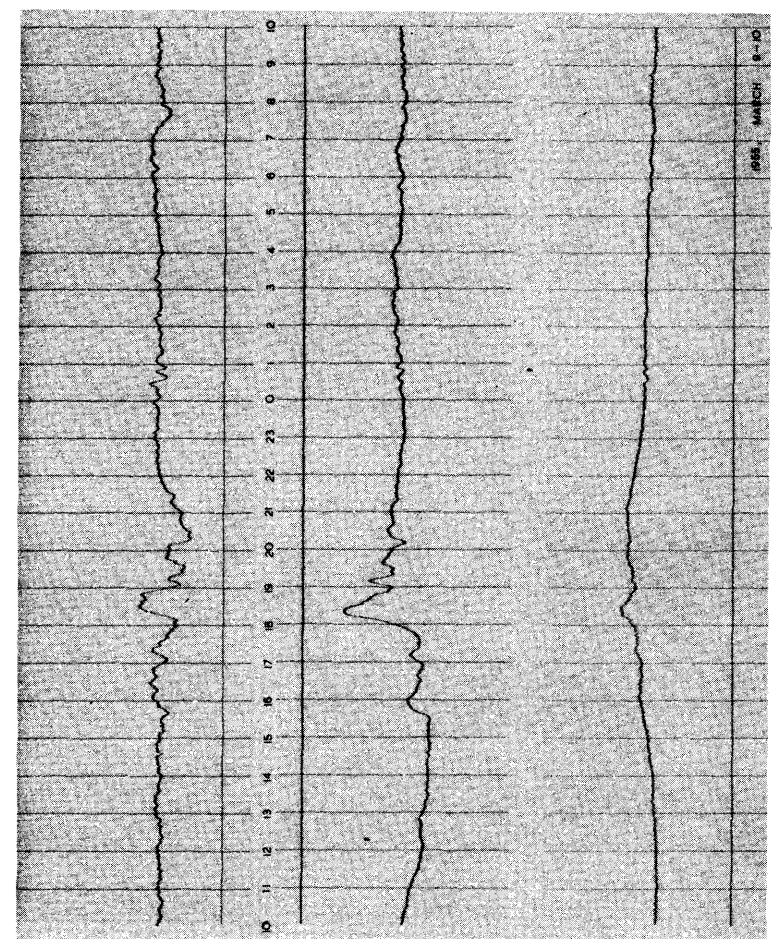
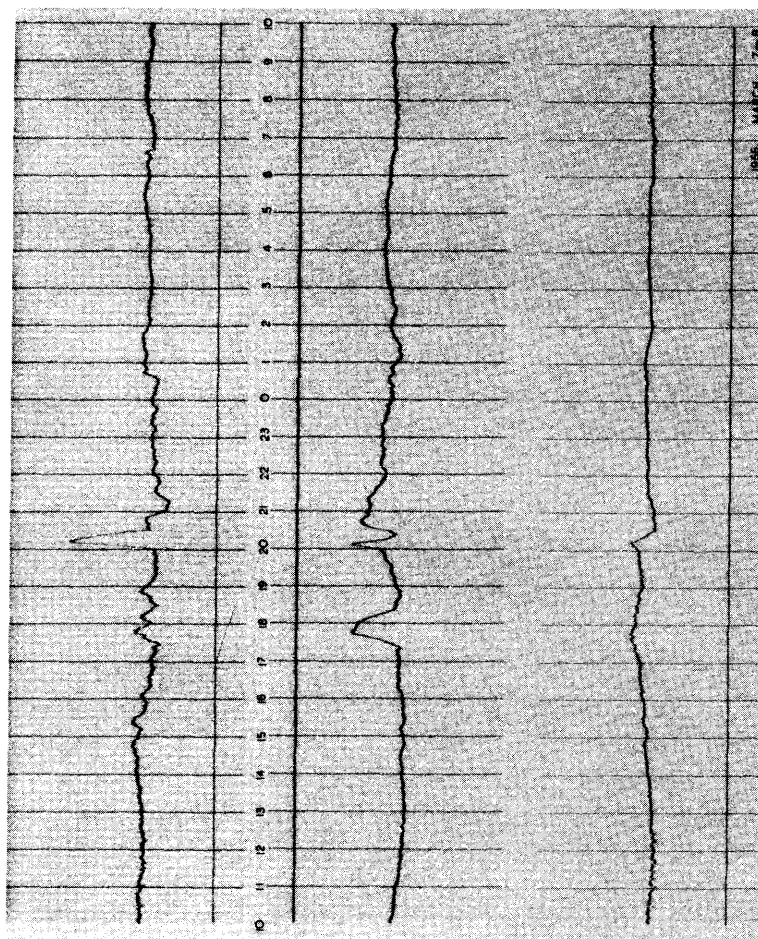
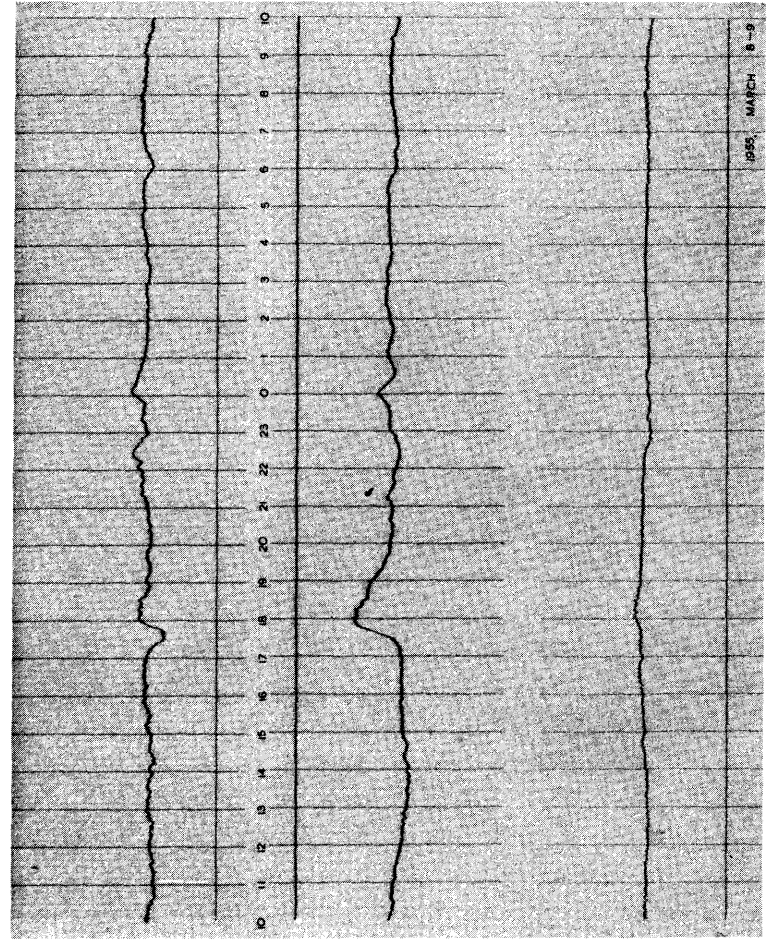
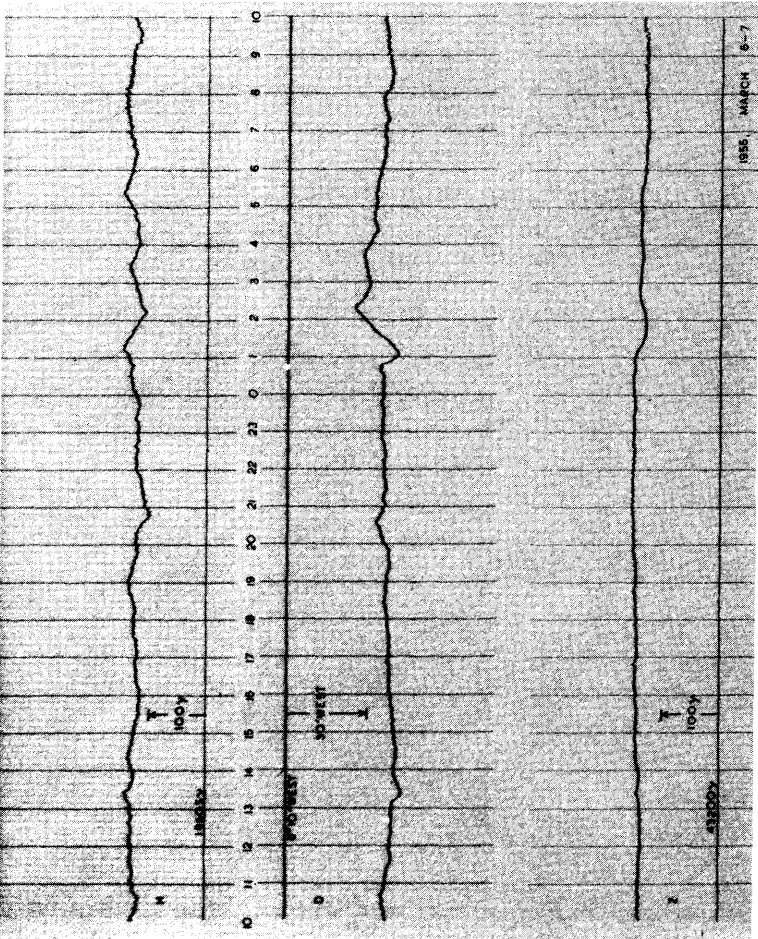








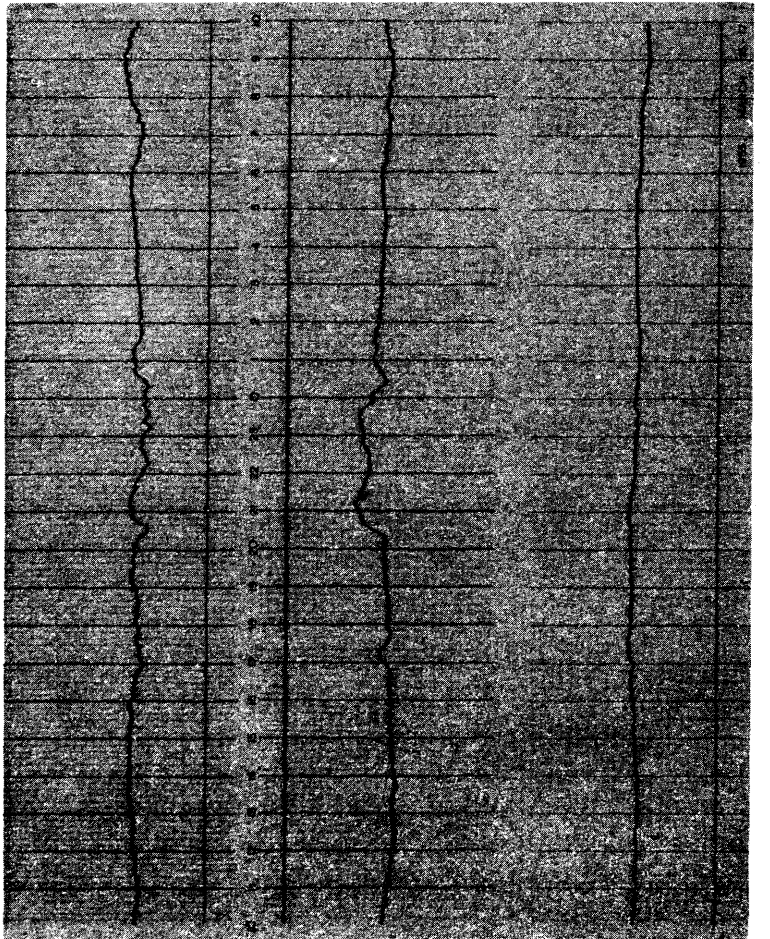
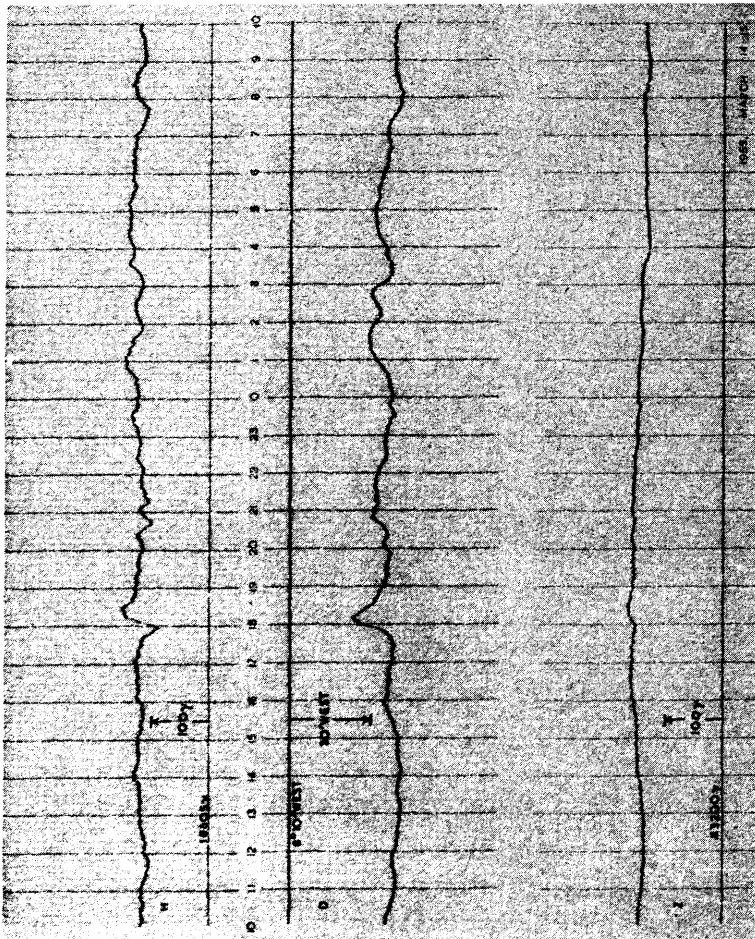
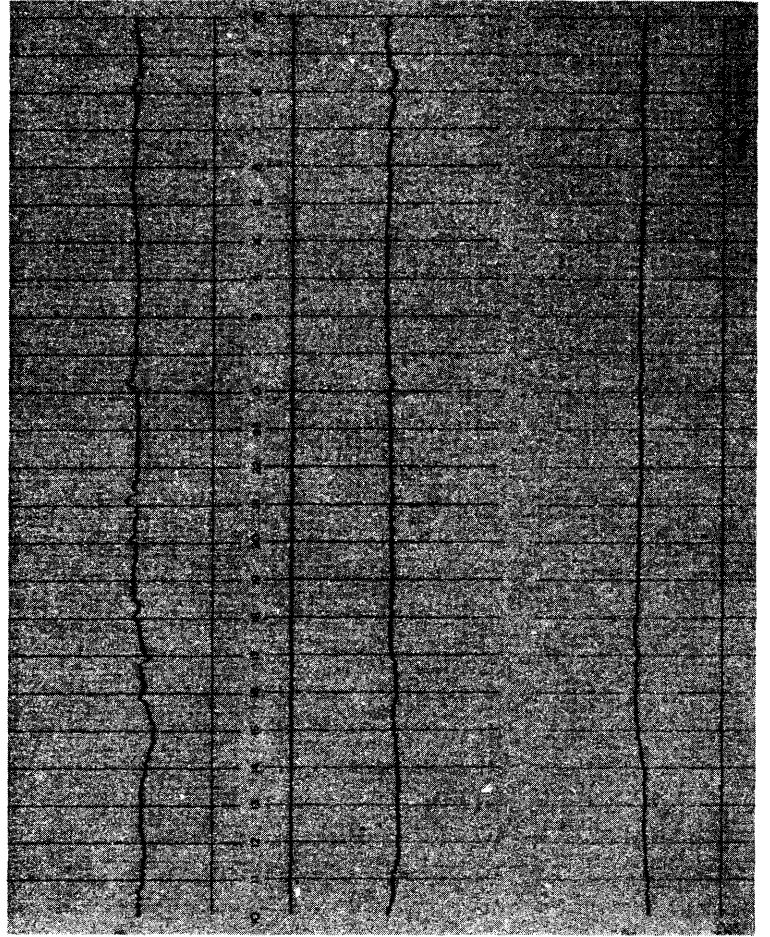
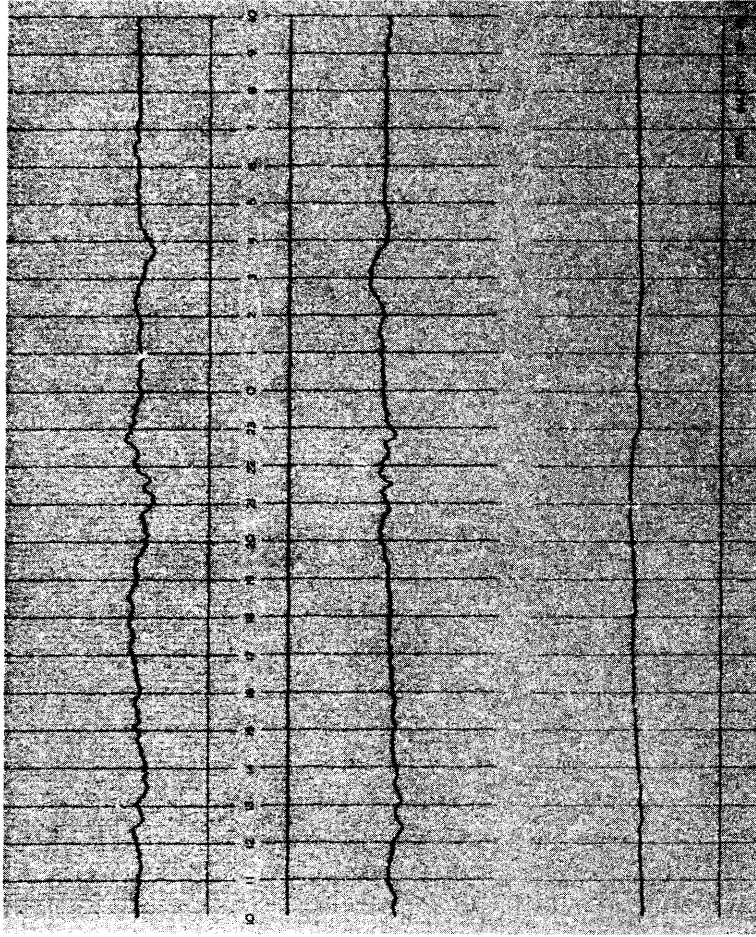




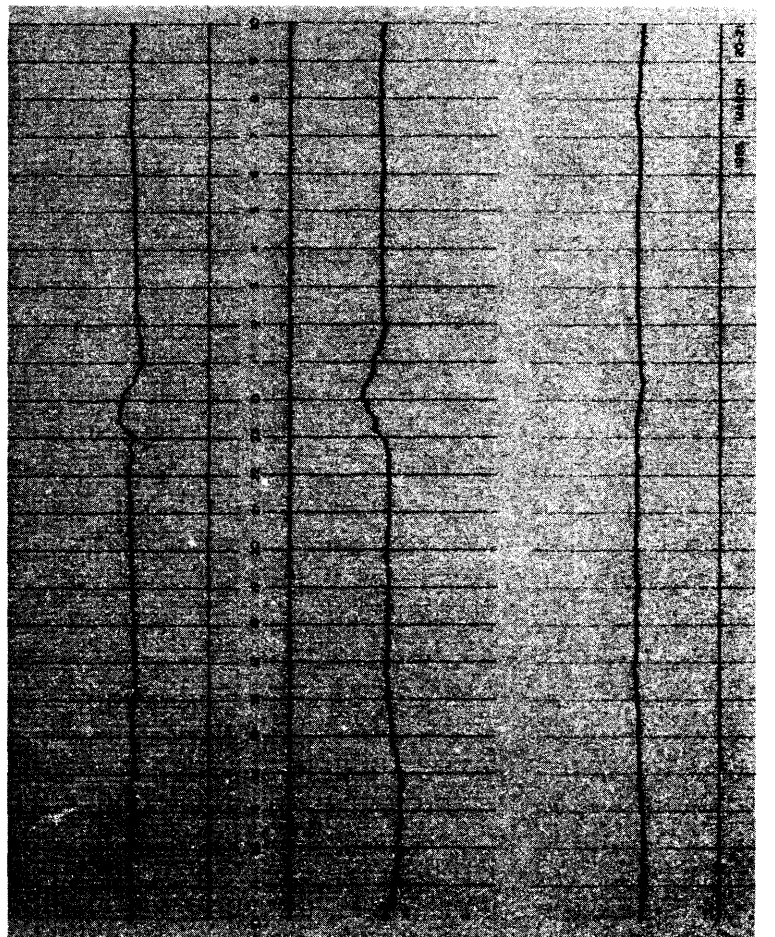
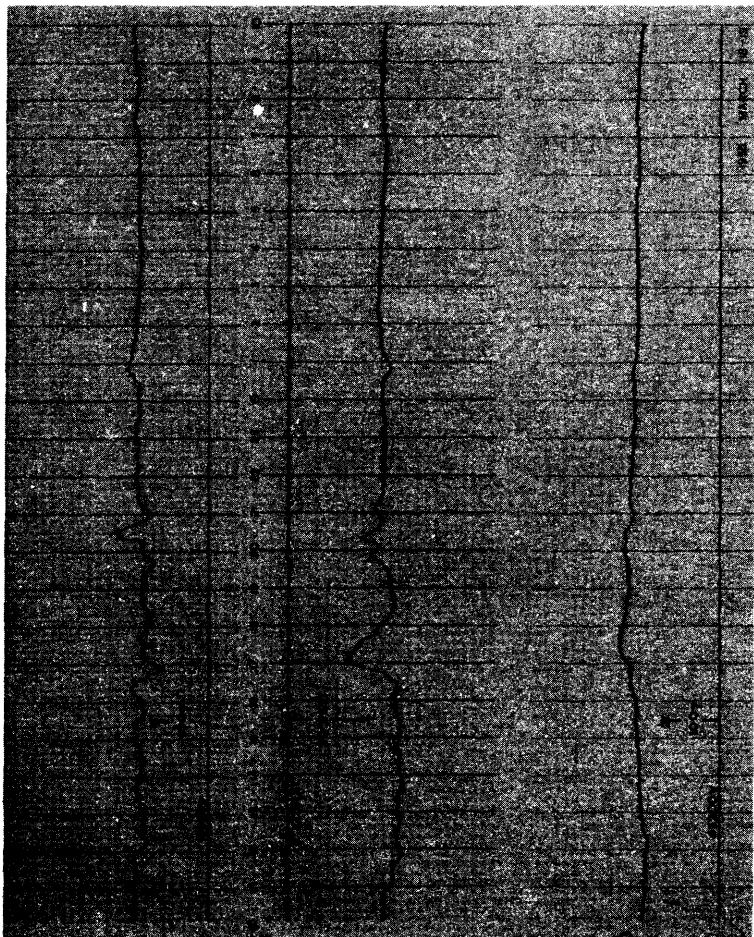
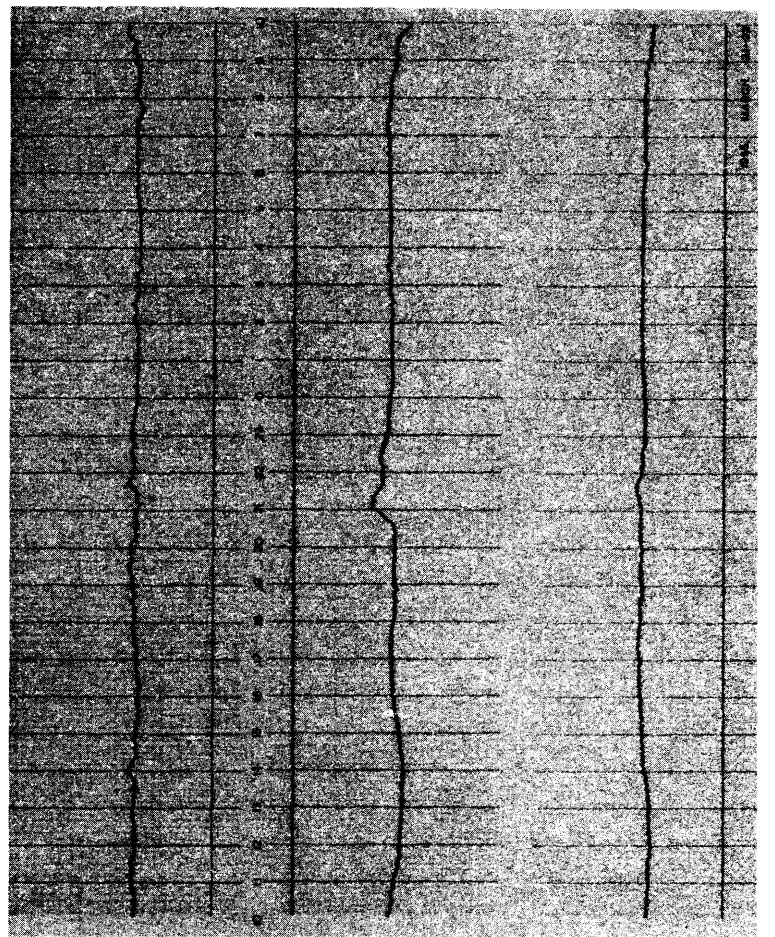
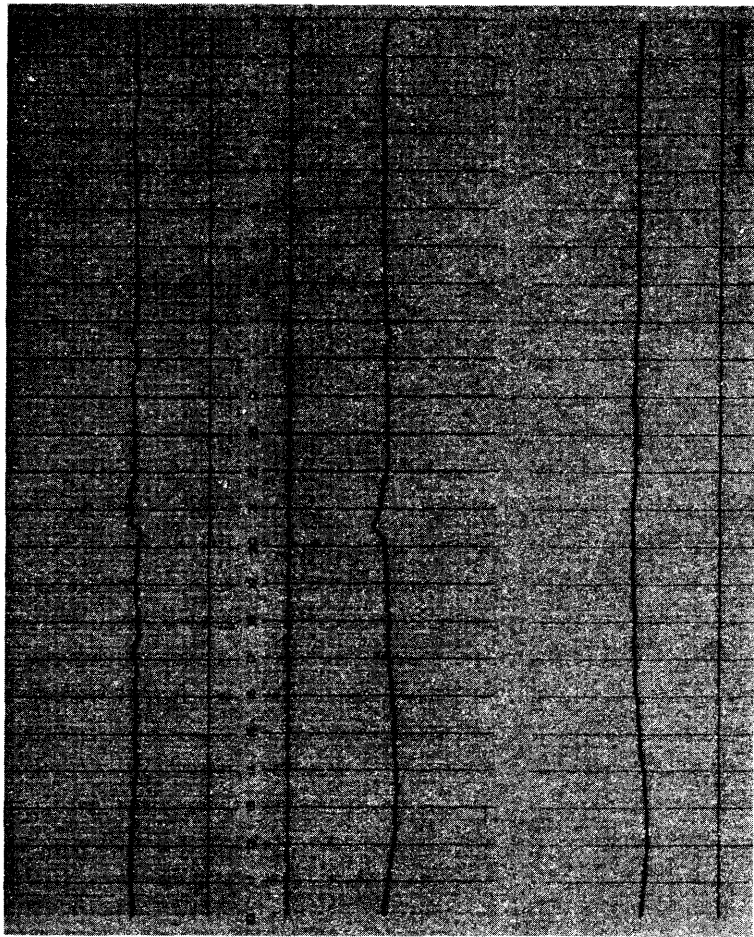




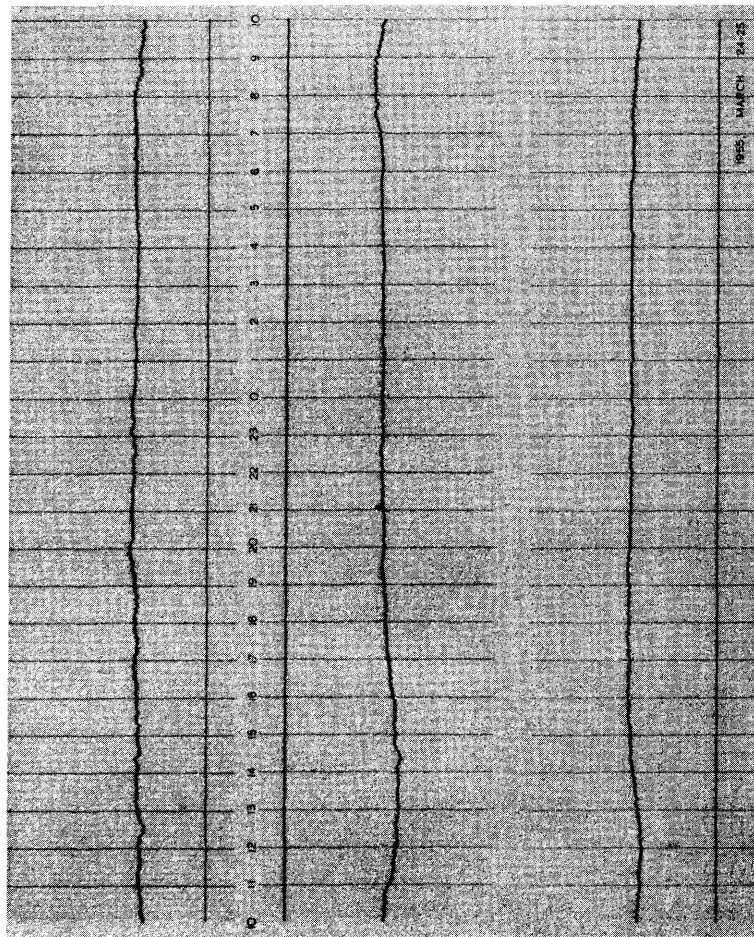
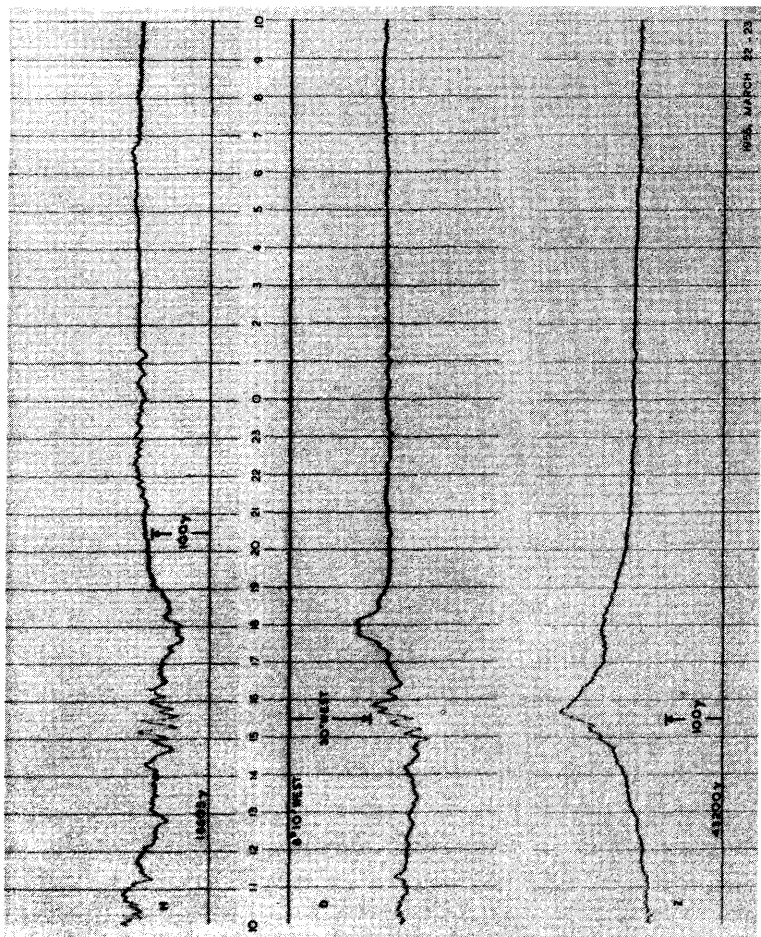
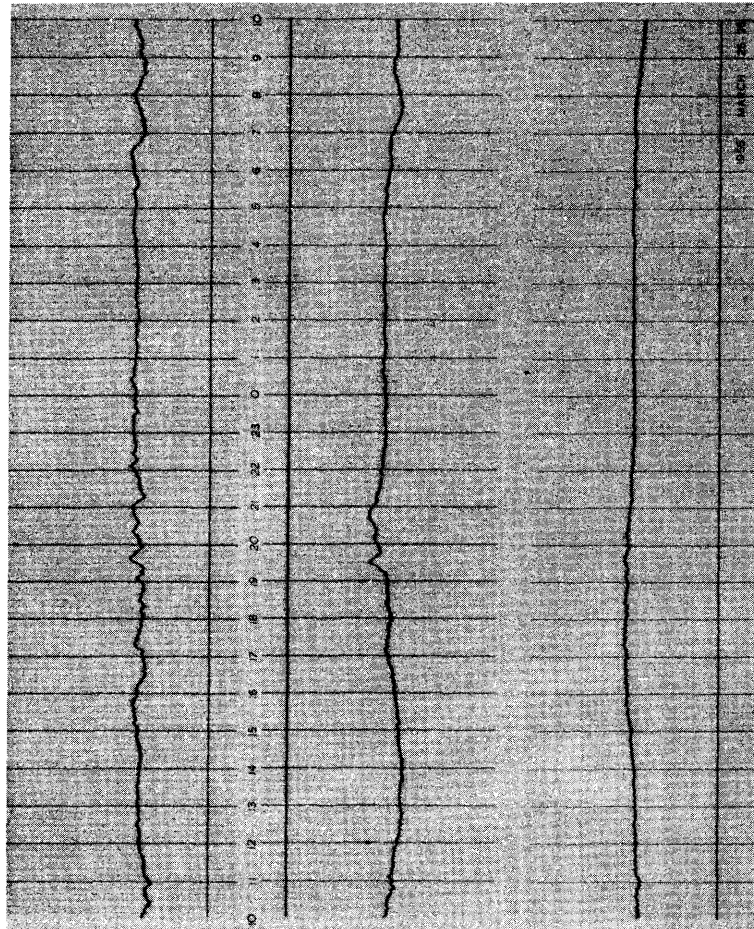
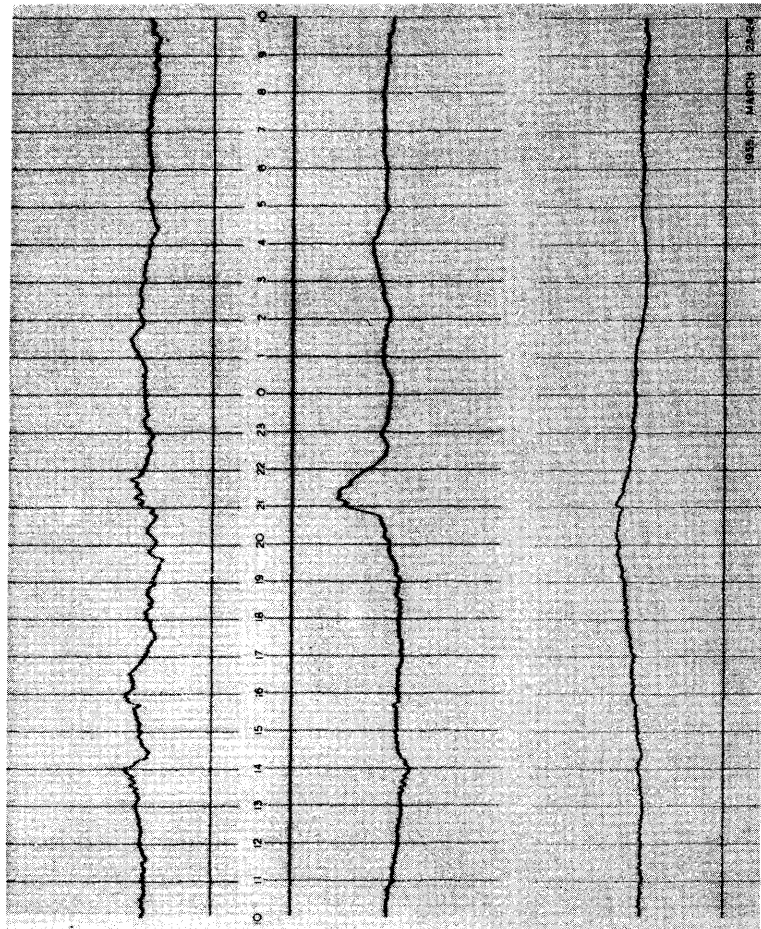




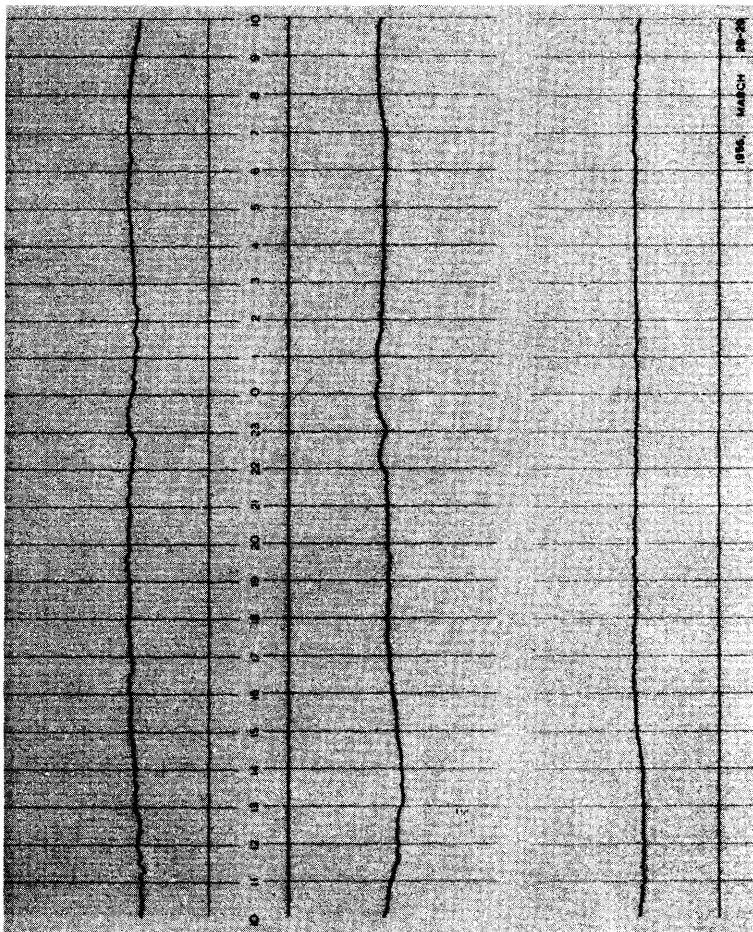
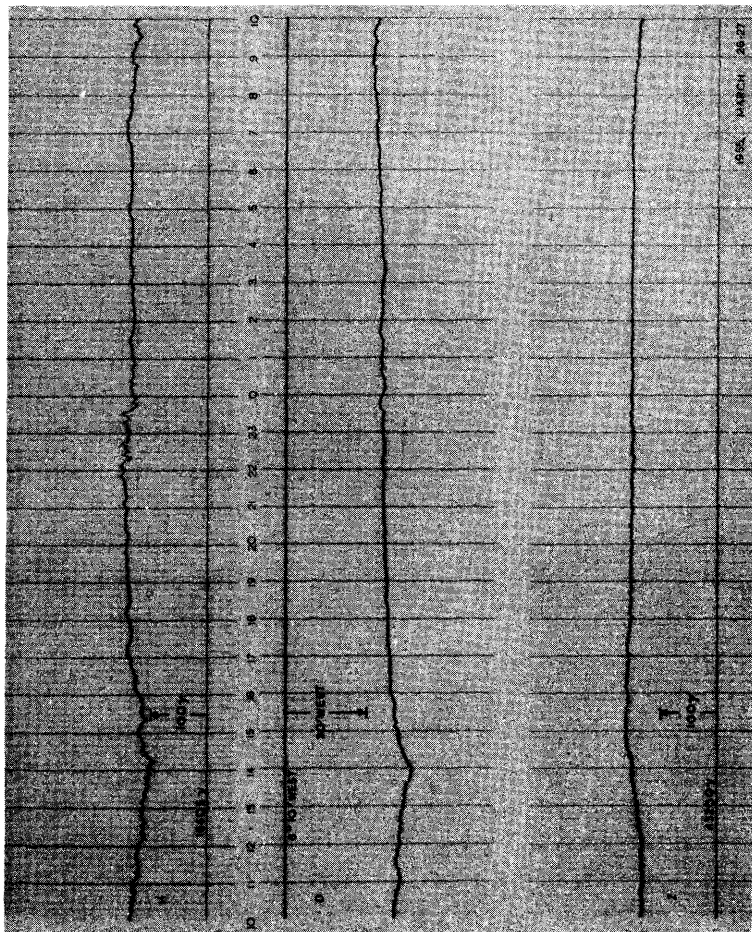
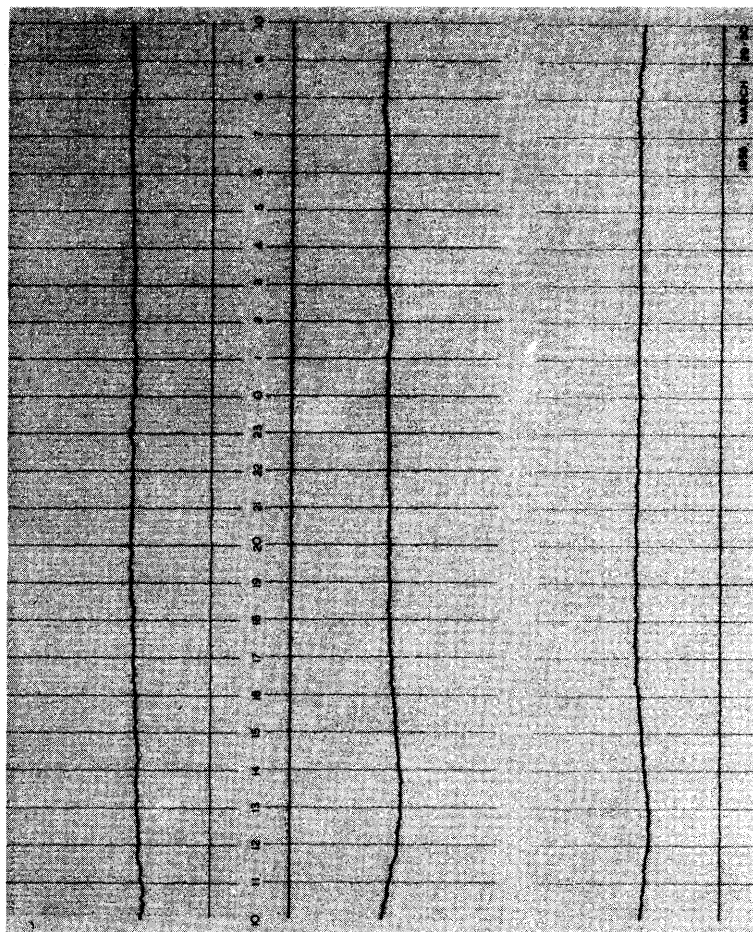
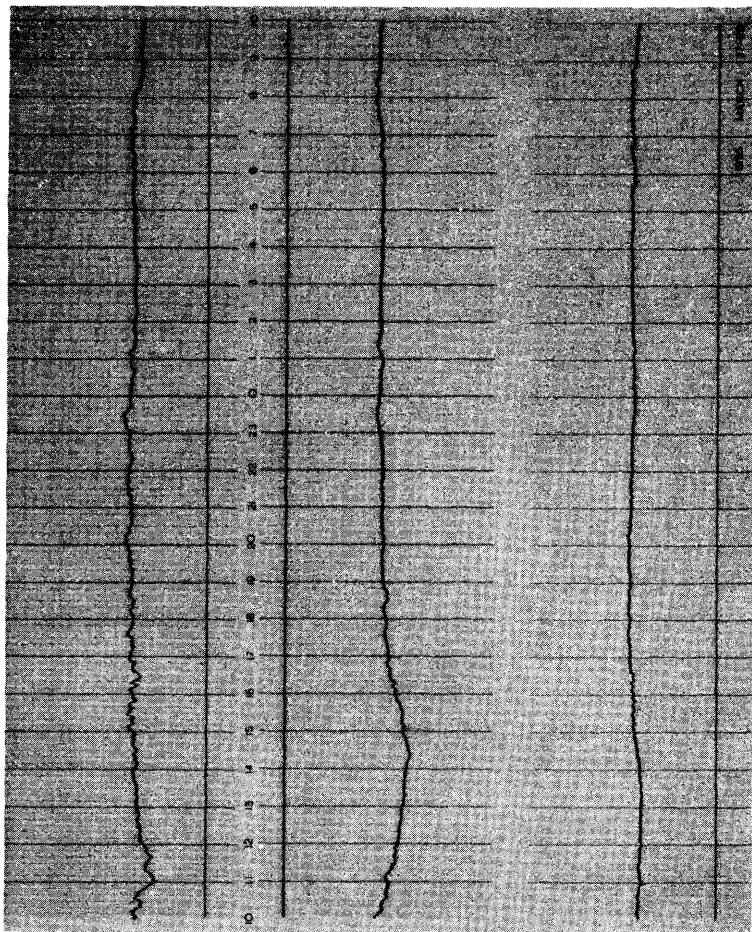




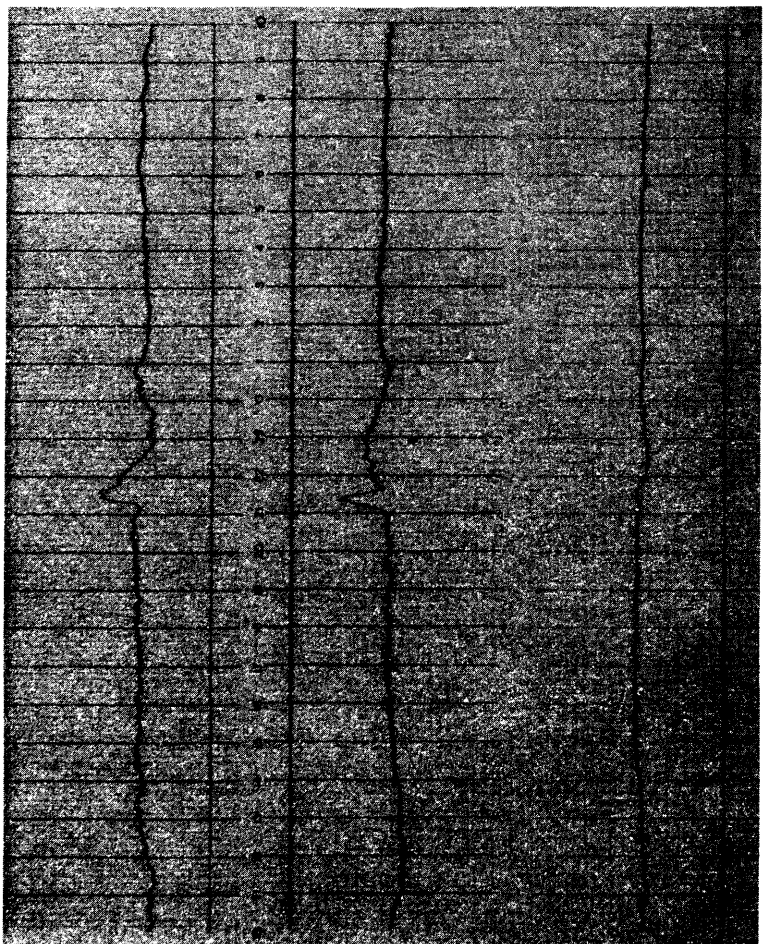
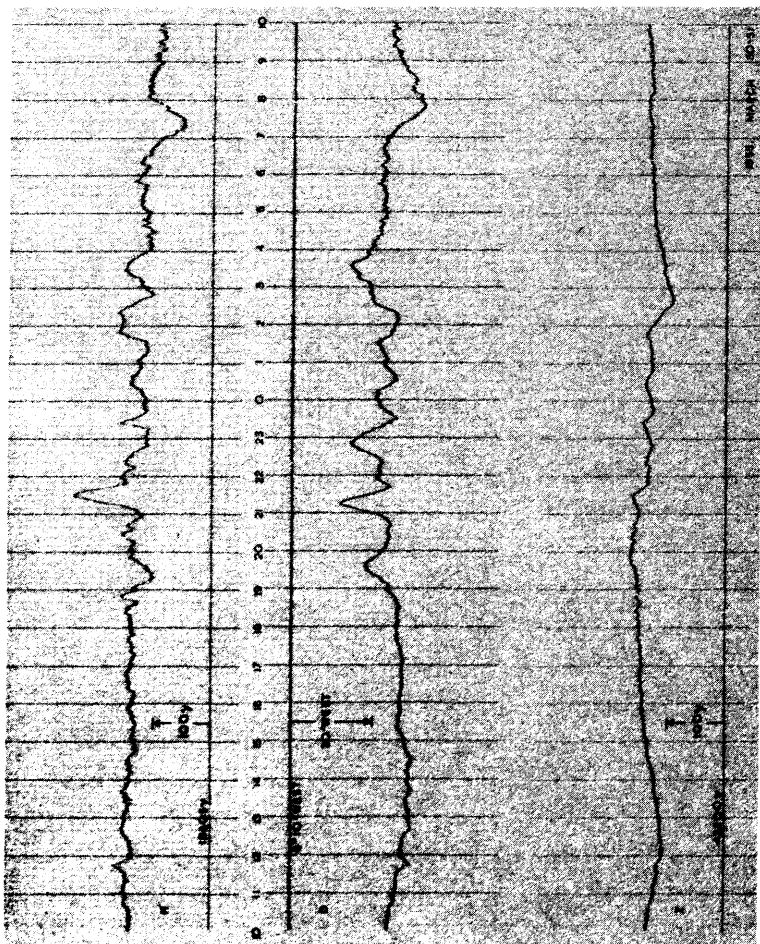
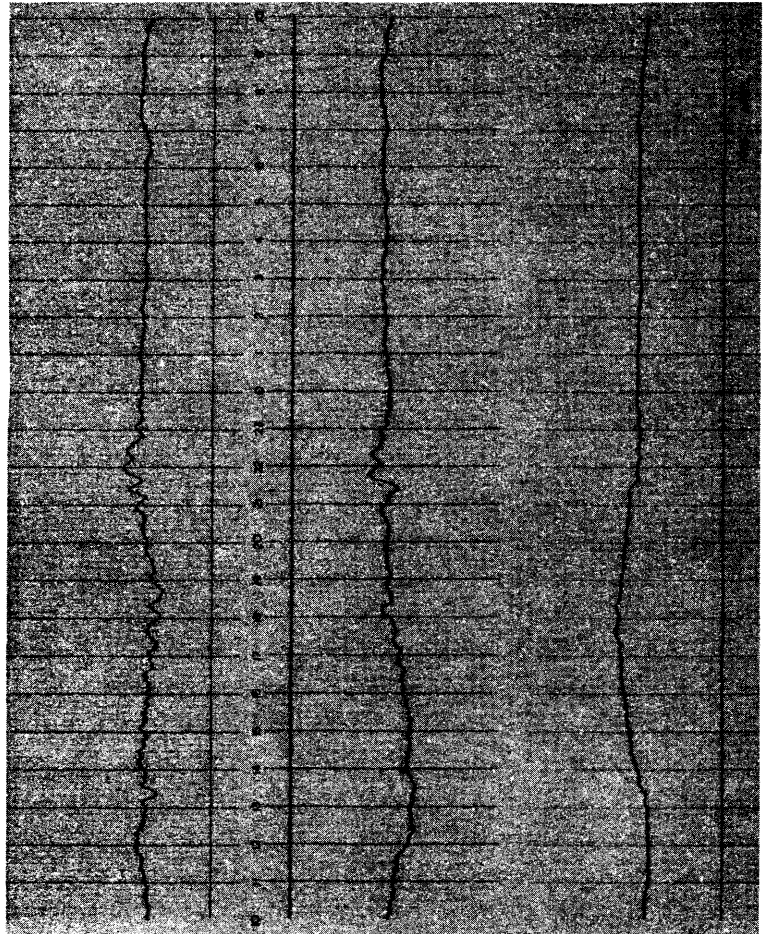
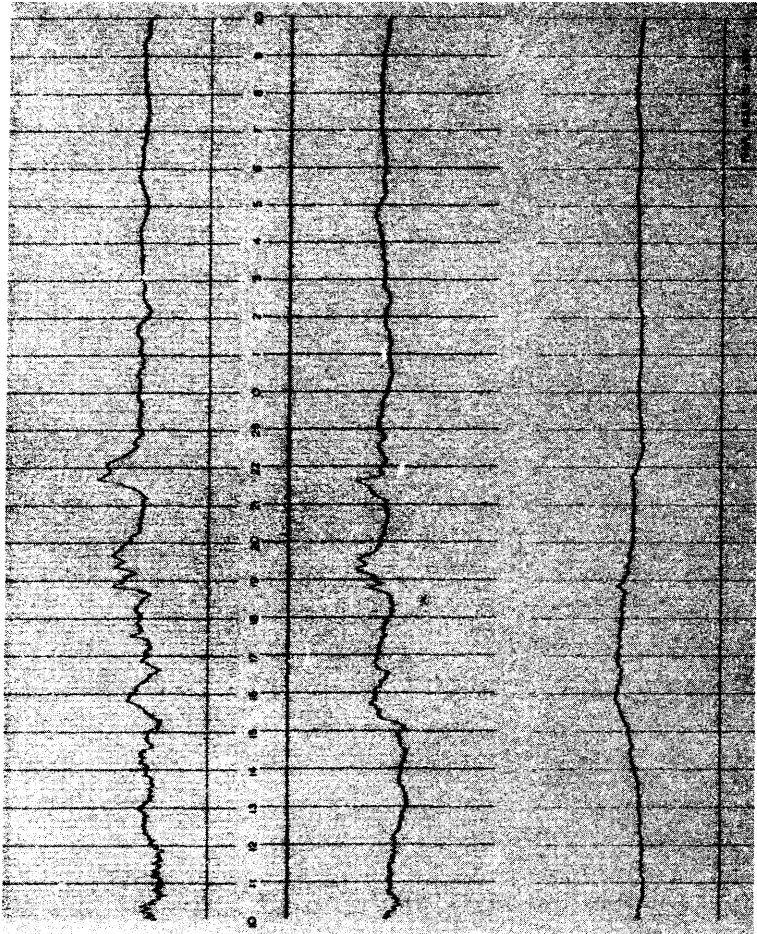




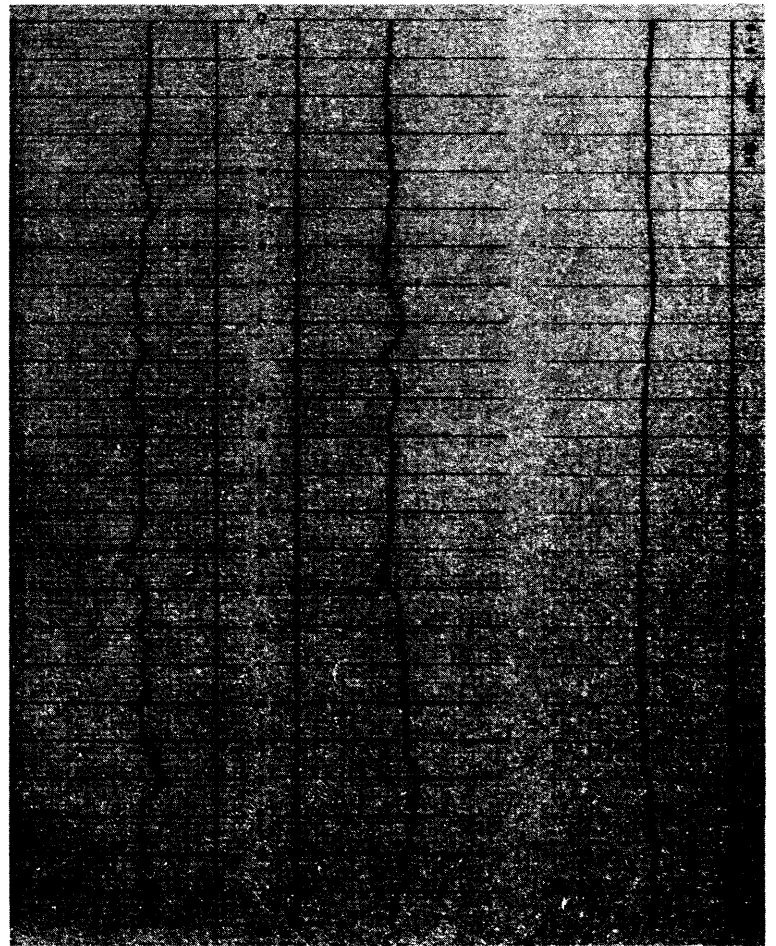
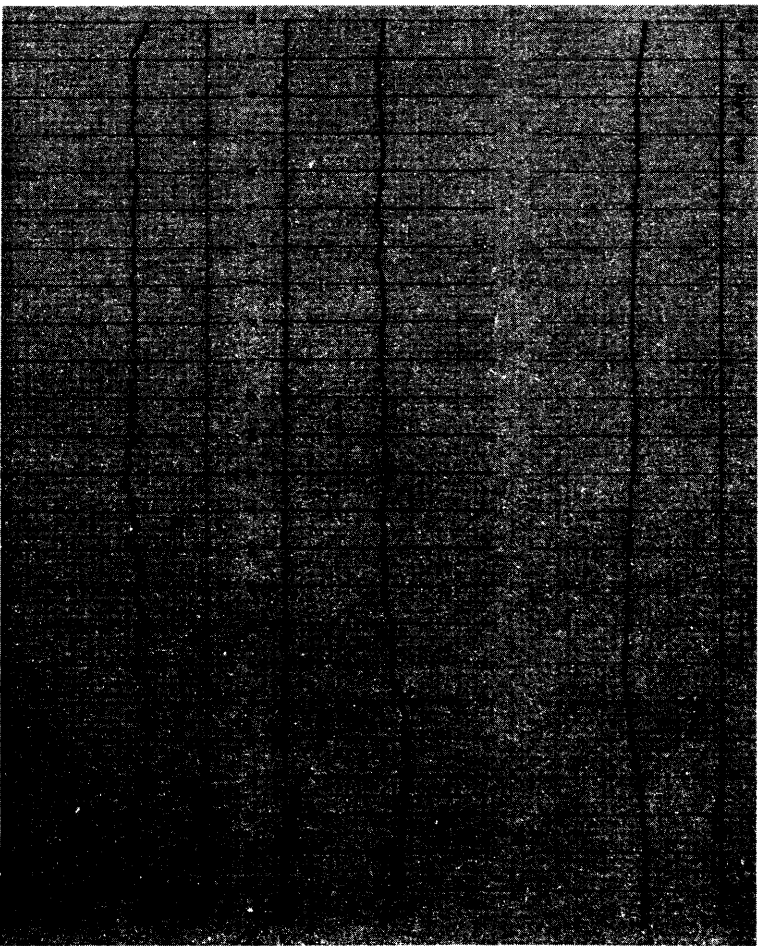
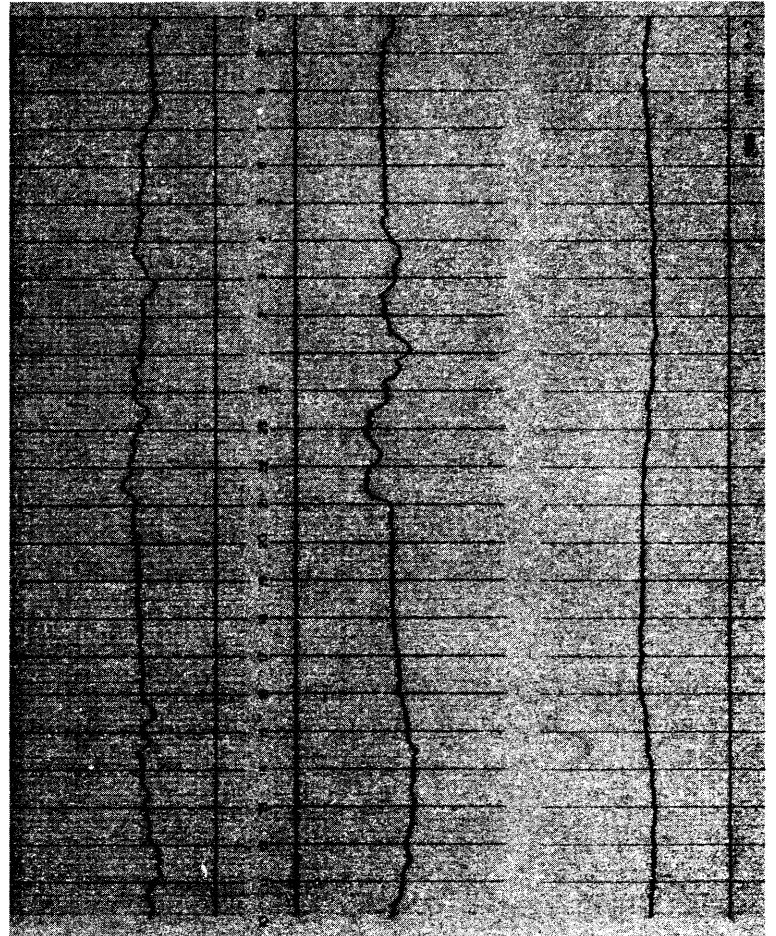
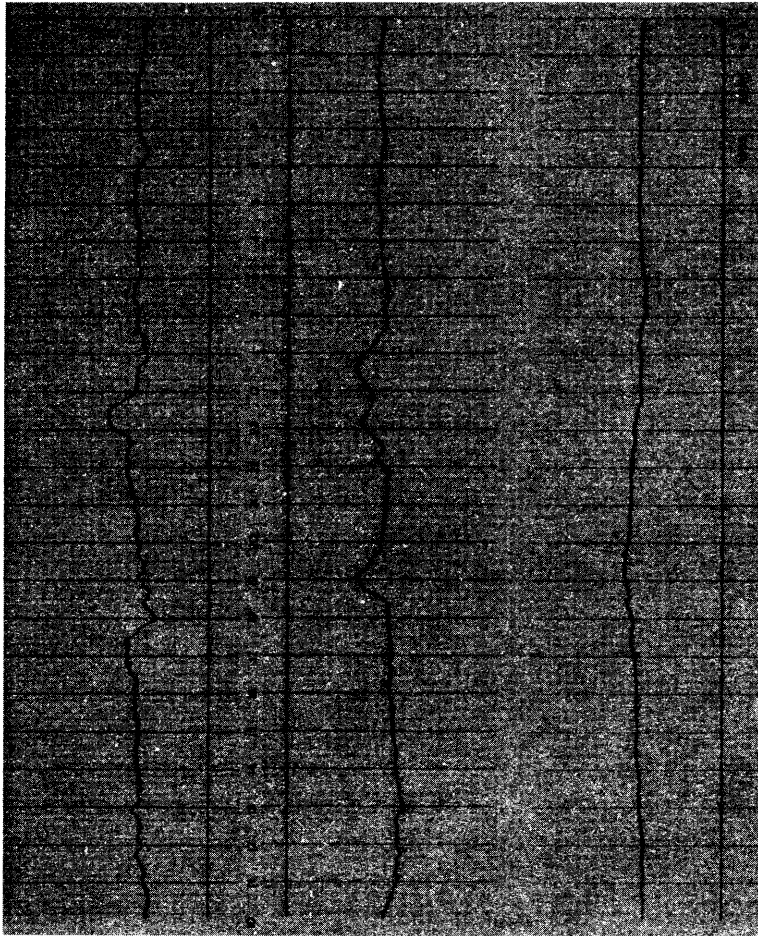




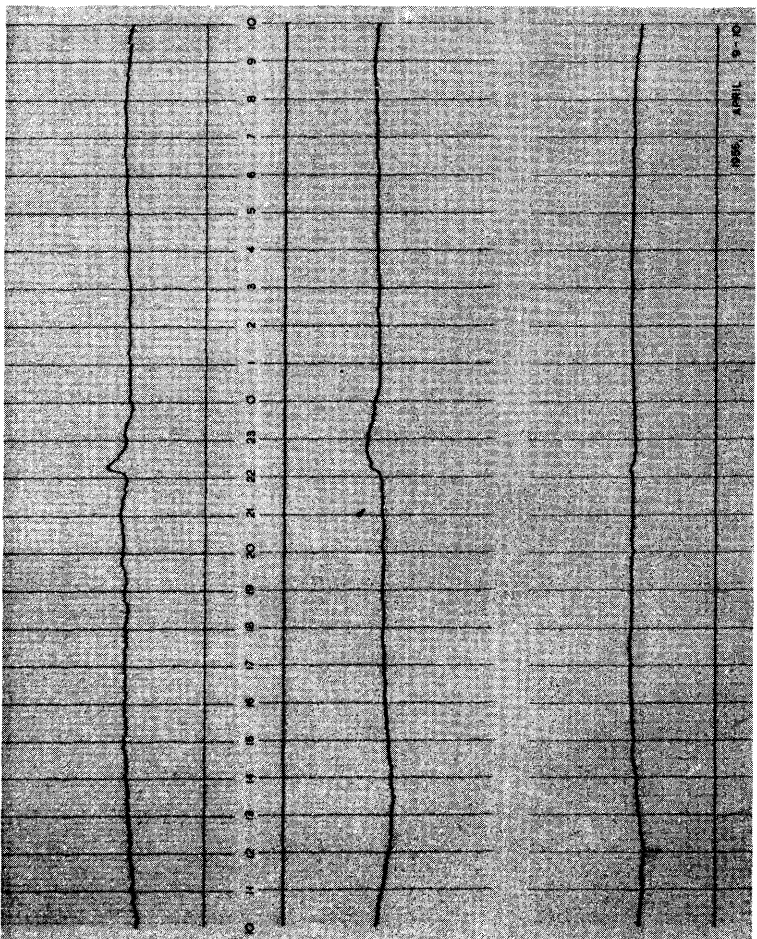
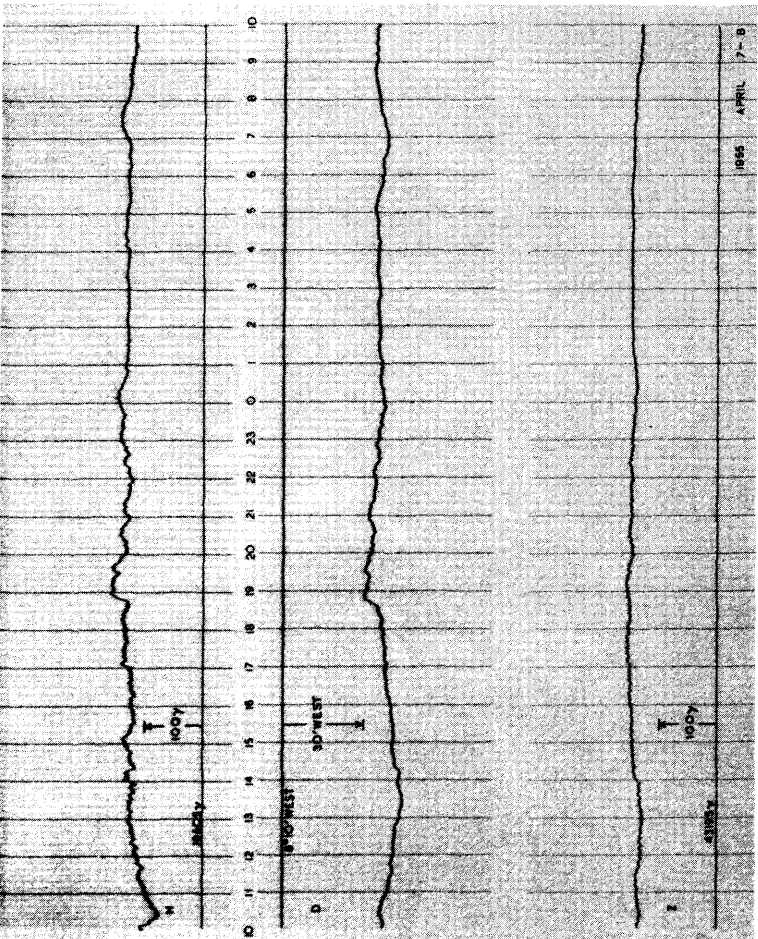
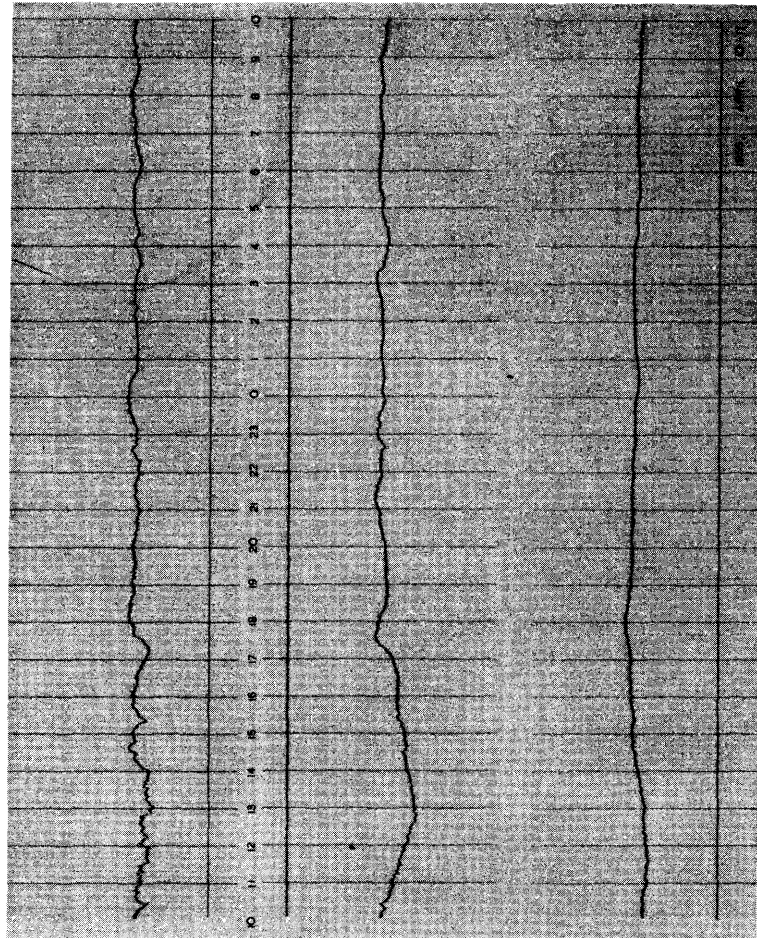
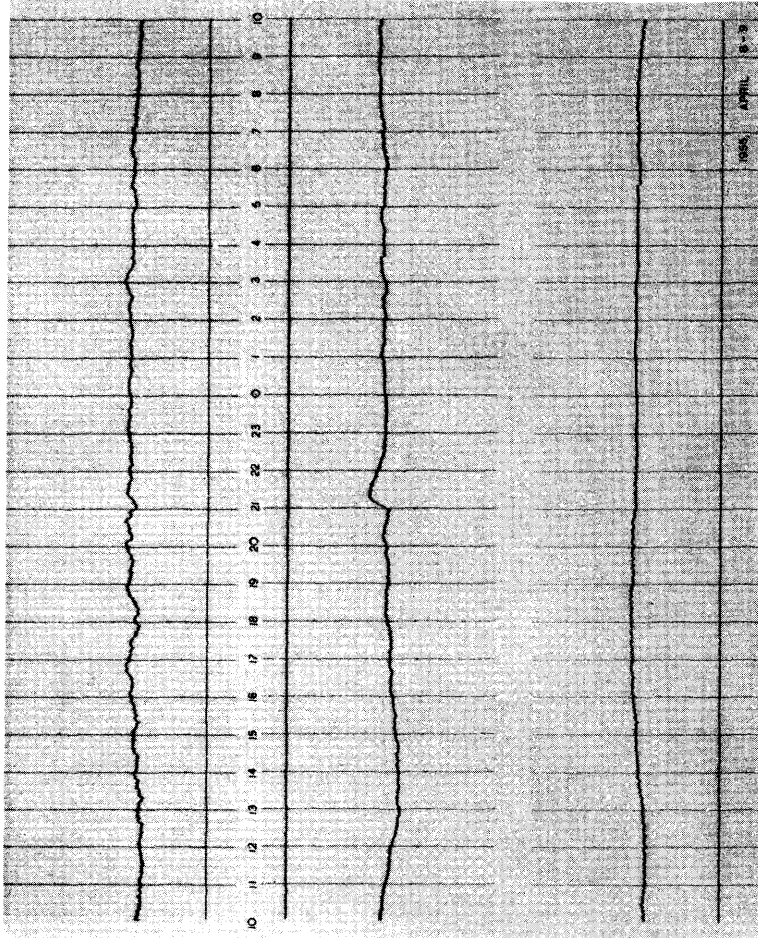




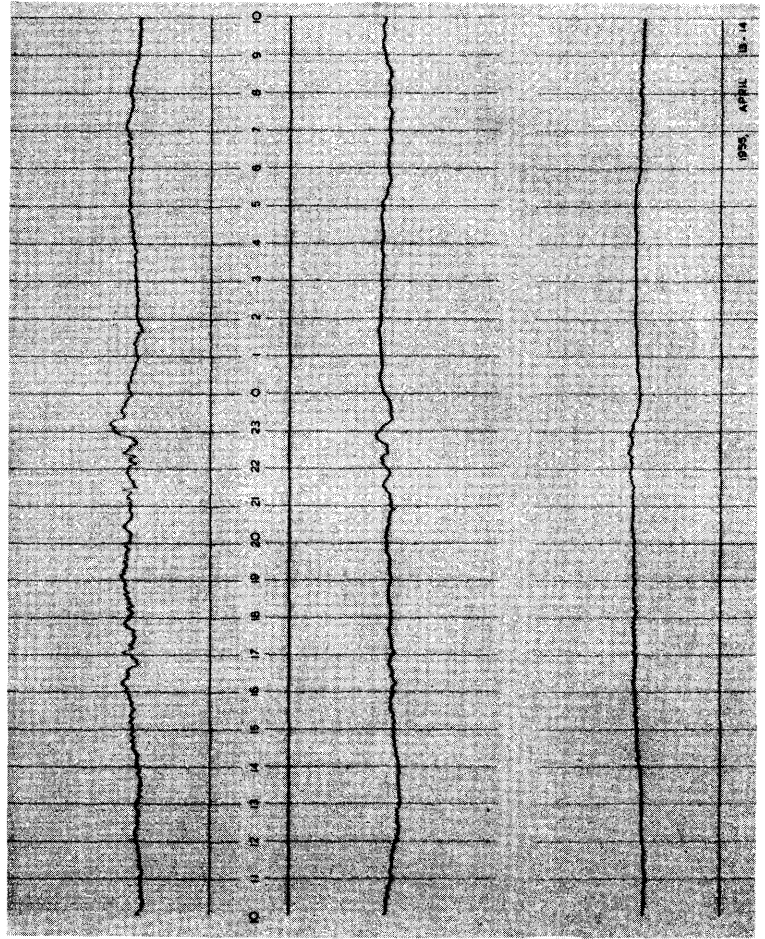
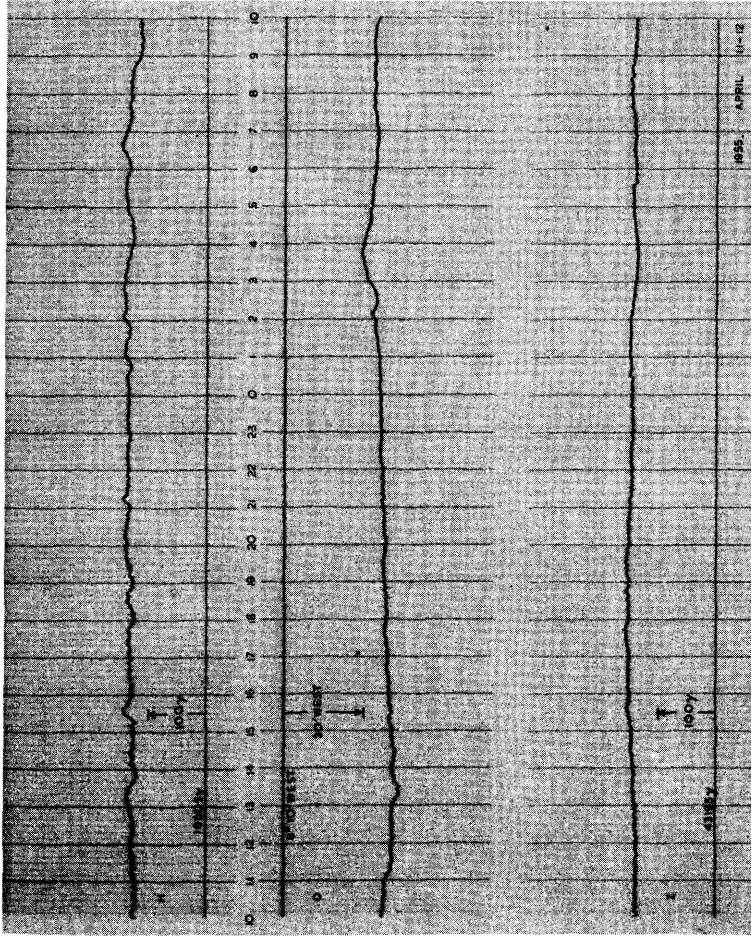
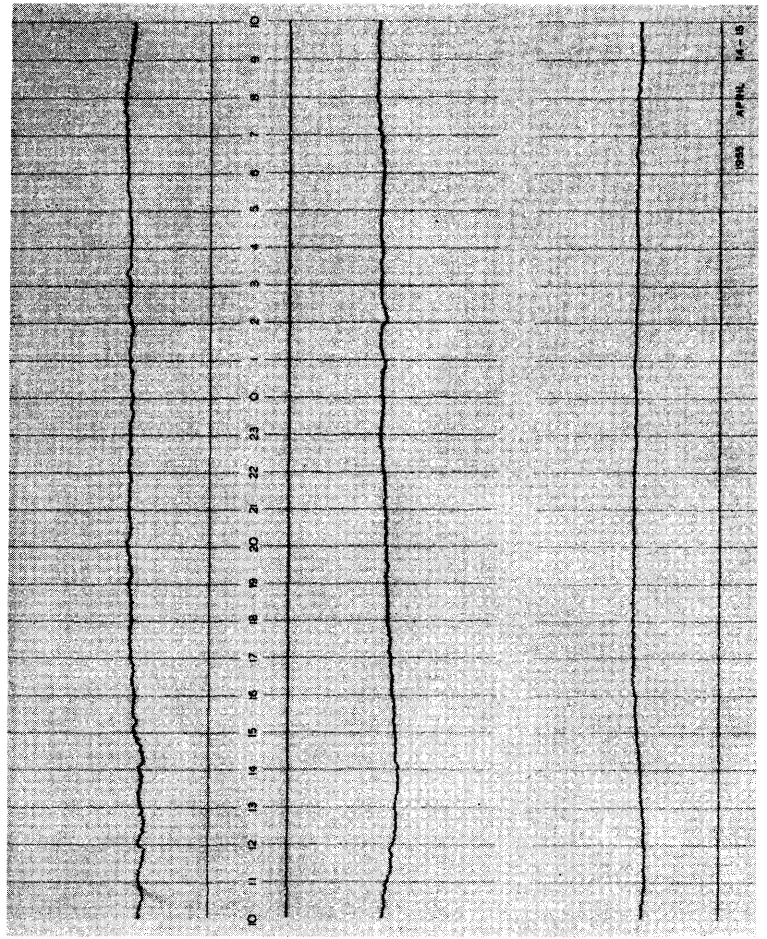
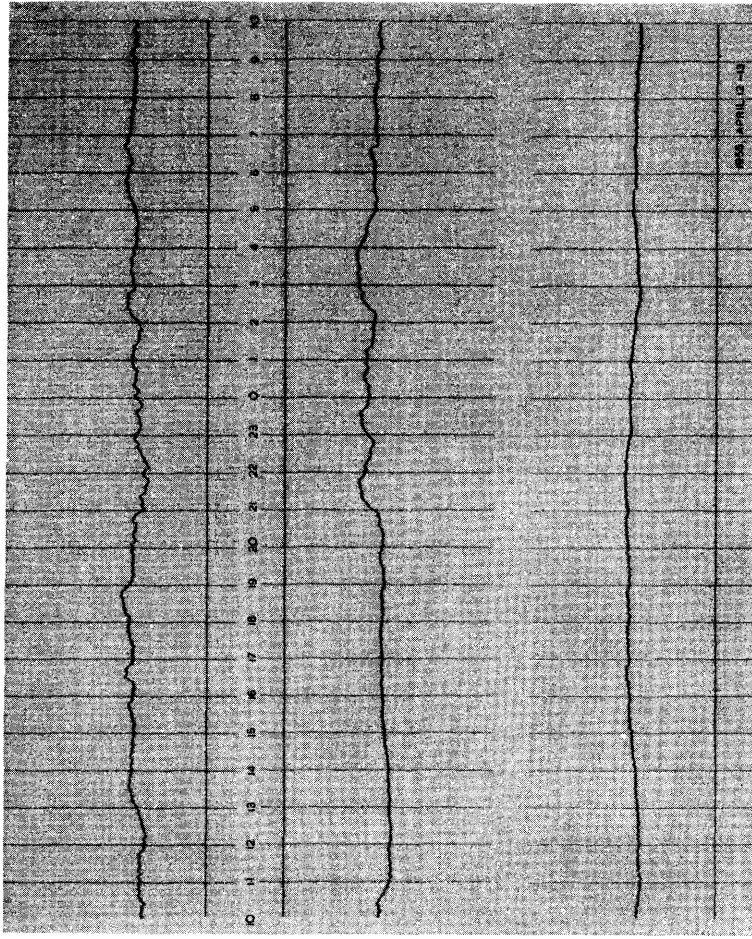




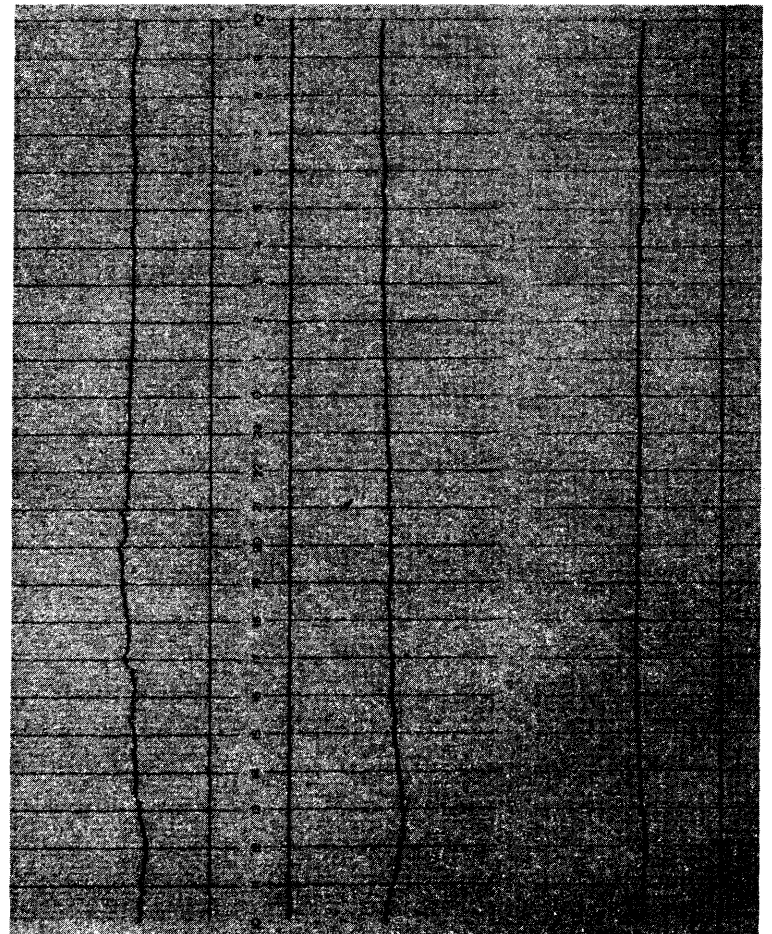
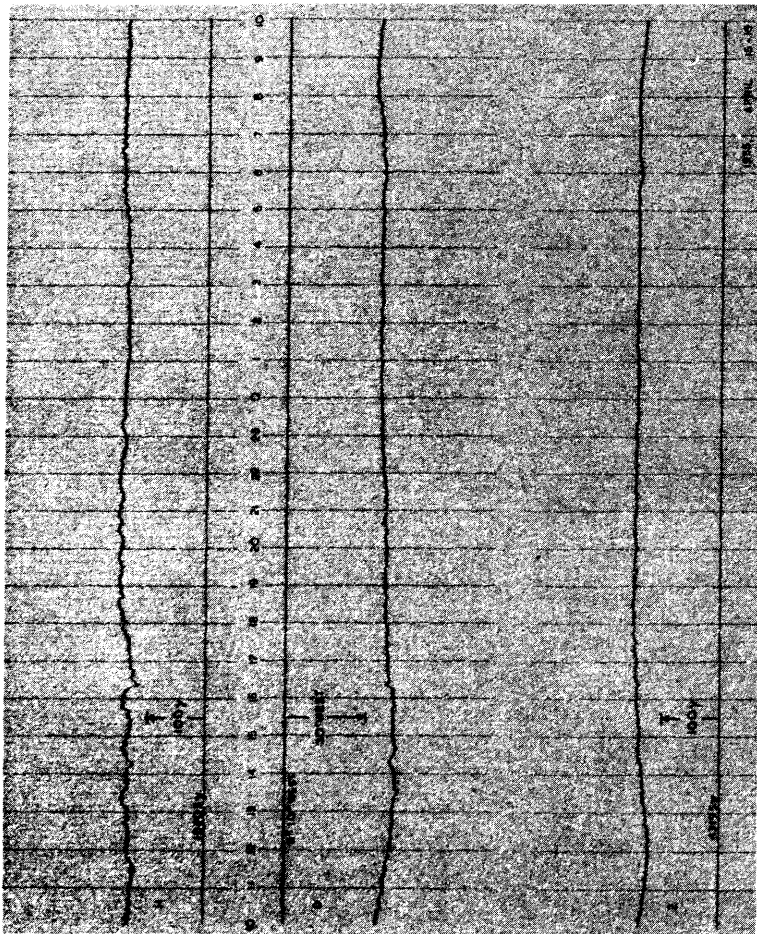
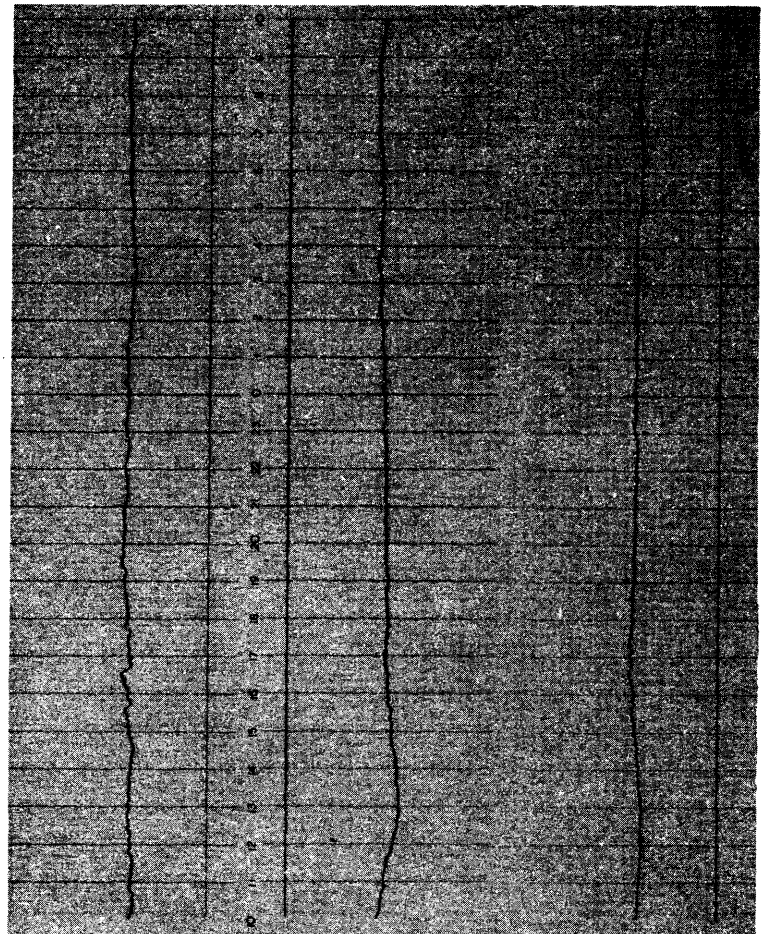
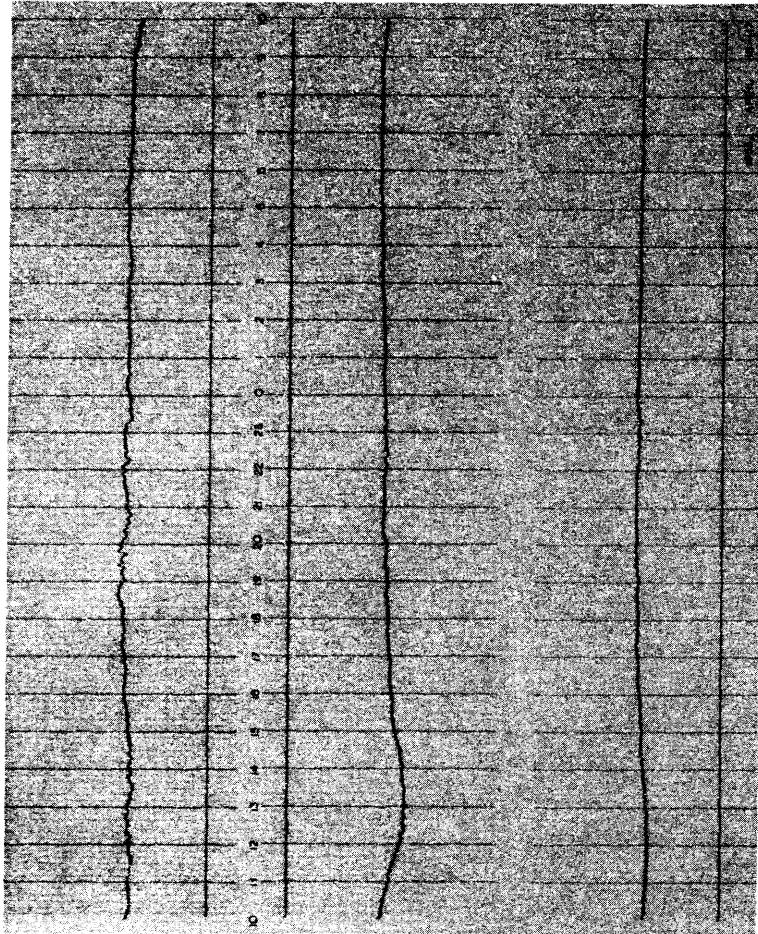




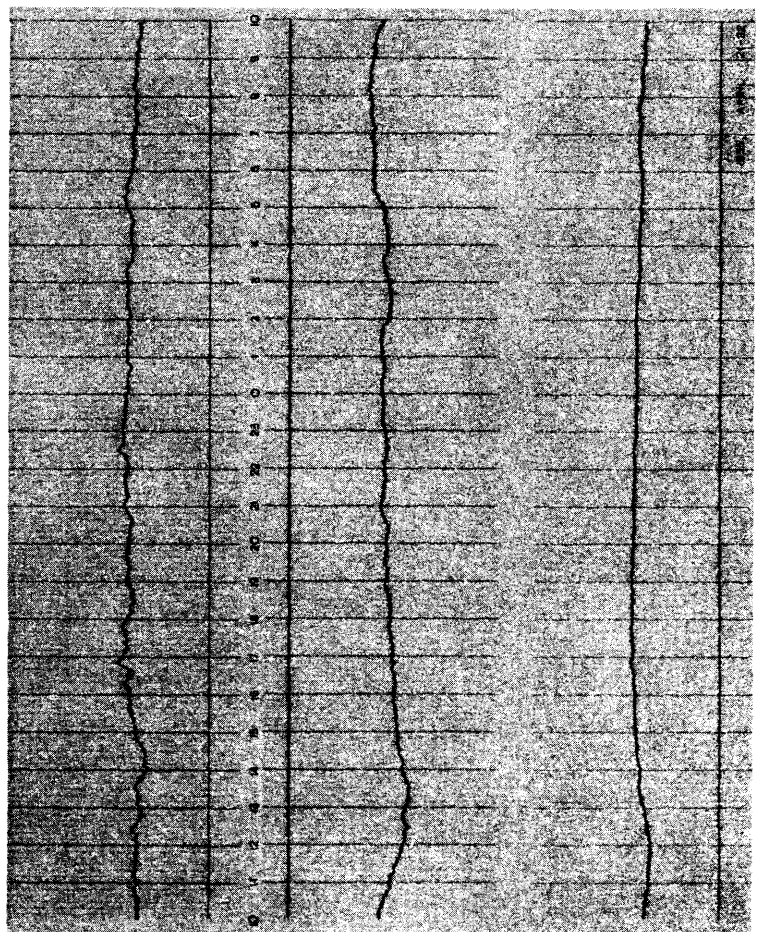
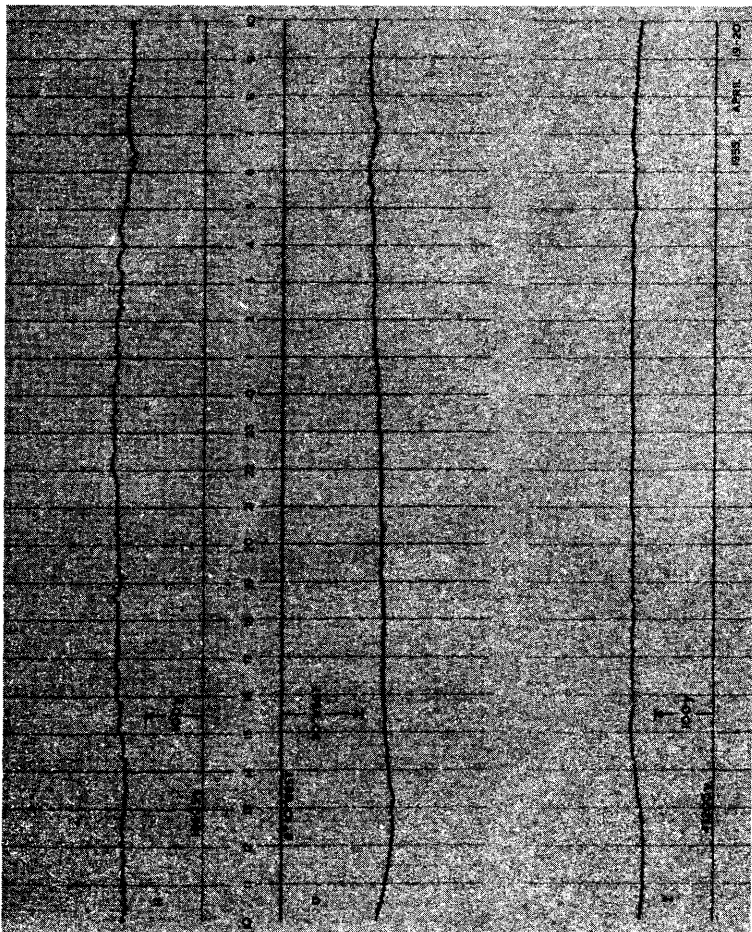
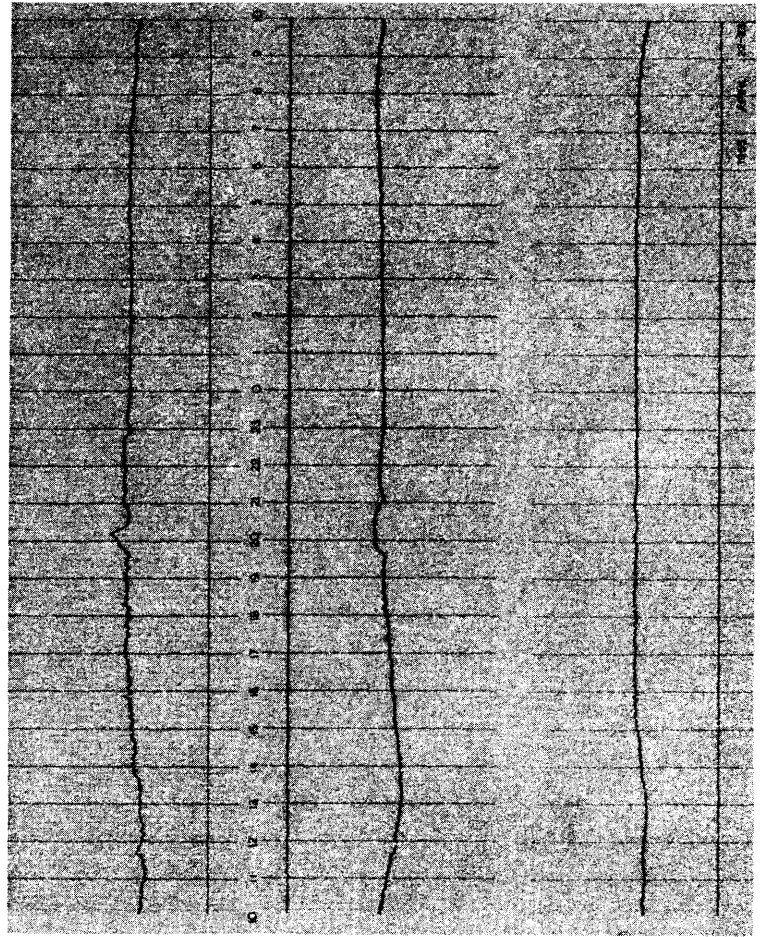
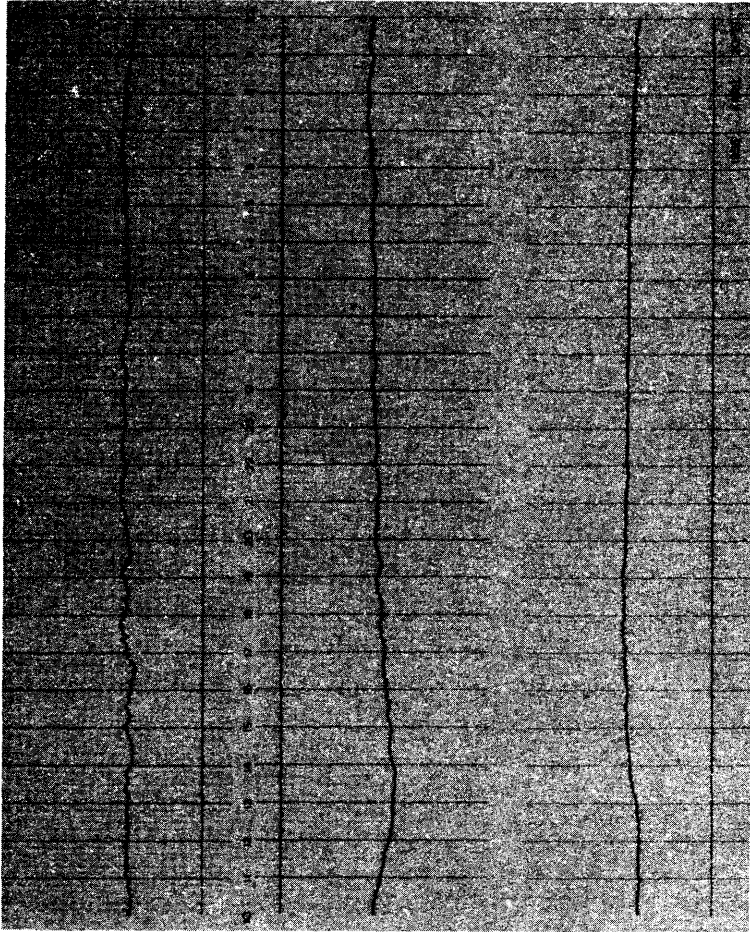




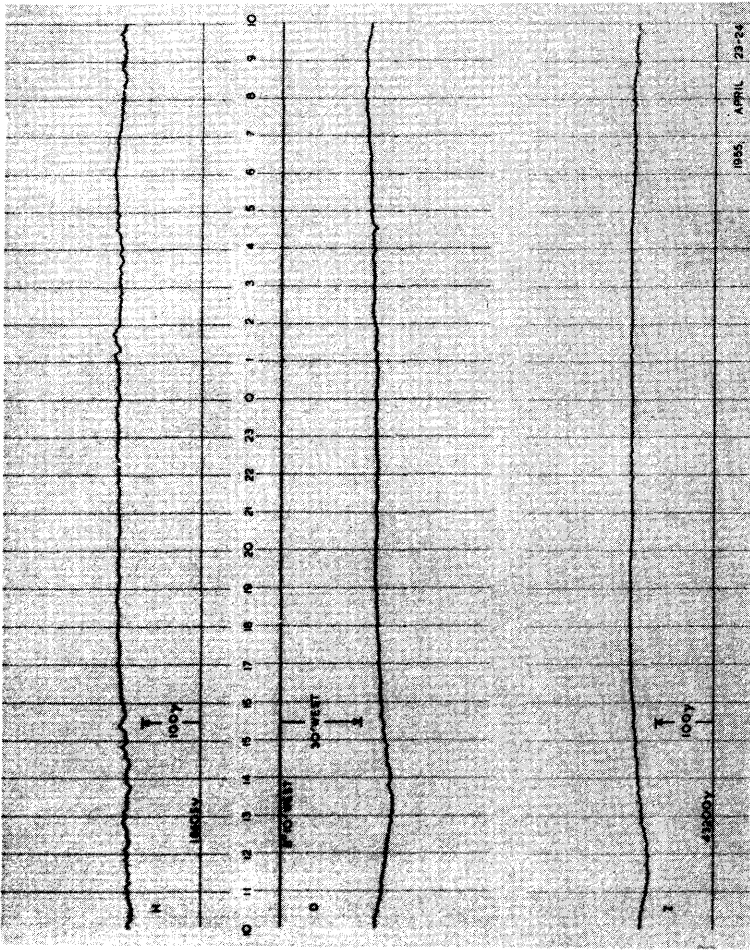




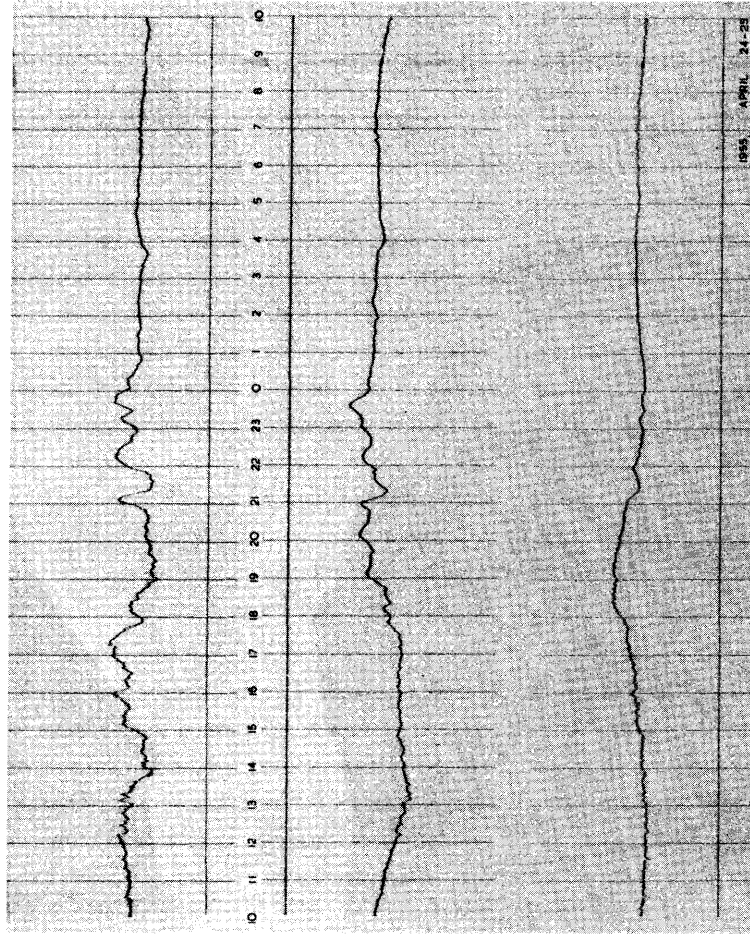




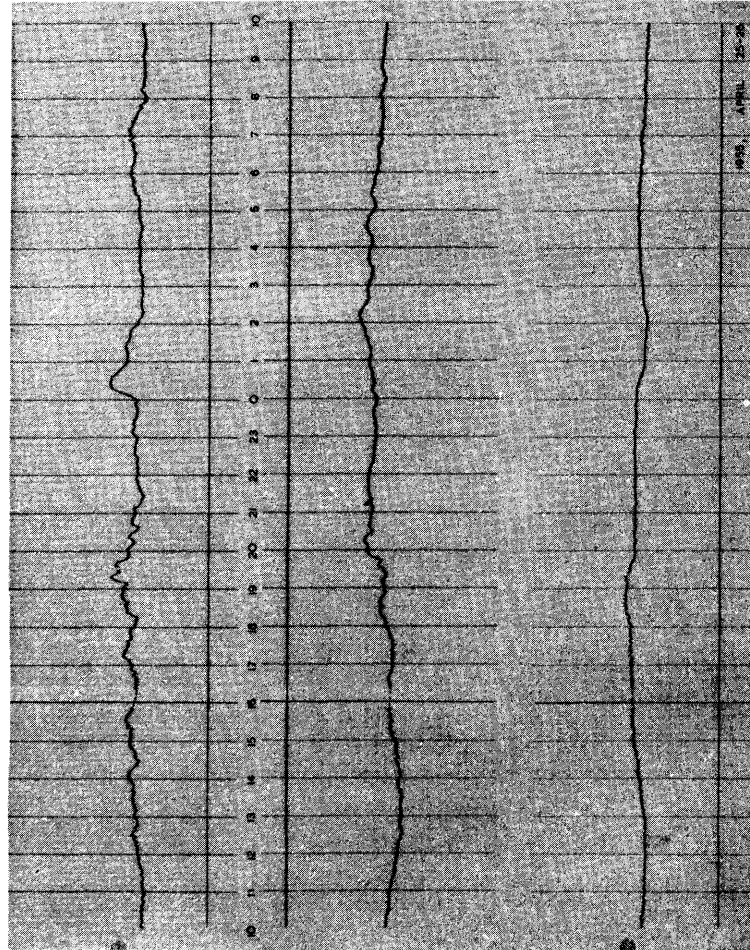




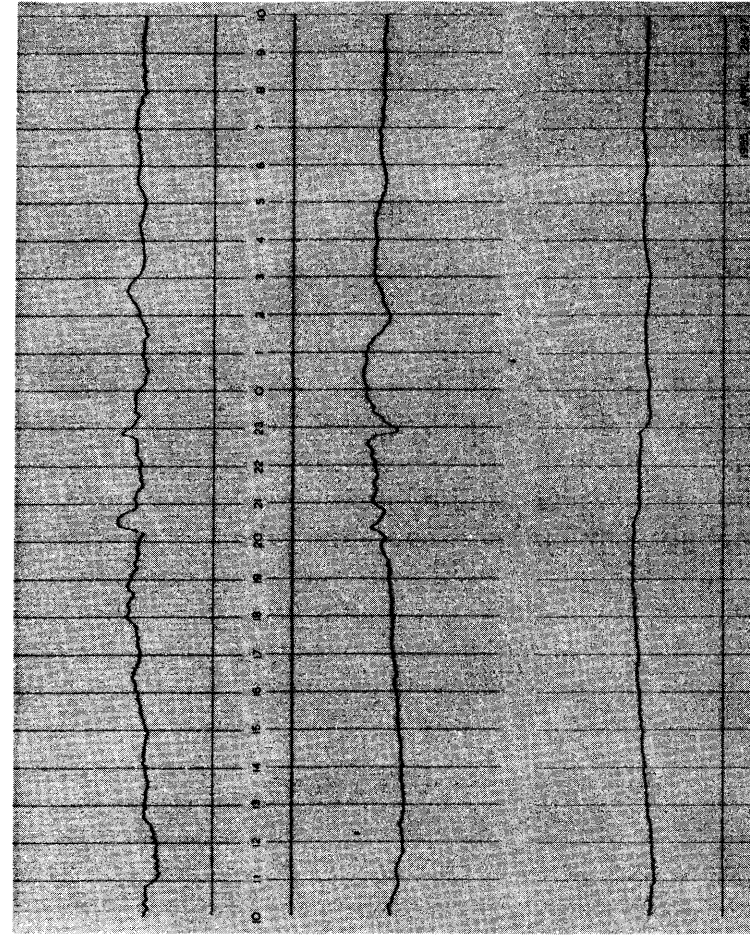
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