RESULTS OF THE MAGNETIC OBSERVATIONS

Made at the

Royal Greenwich Observatory, Abinger

in the year

1954

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

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ABINGER MAGNETOGRAMS

Publication of the Meteorological Observations has been discontinued.

THE ROYAL GREENWICH OBSERVATORY

ABINGER MAGNETIC OBSERVATIONS, 1954

STAFF

Staff engaged in the Magnetic department during the year 1954 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. Christie, R. W. Teague and P. J. Willmoth.

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, 1954.

Check measurements were made in April of the dimensions of the Schuster-Smith Coil. During the period June 8 to October 28 the Dye Coil was out of action having been dismantled and returned to the National Physical Laboratory where it too was subjected to remeasurements. These measurements revealed very slight changes having taken place in the dimensions of the coils during the preceding thirty years. It was decided to postpone the revision of the coil constants until January 1, 1955, when their adoption would introduce discontinuities of -0.4γ in H and -1.2γ in Z.

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 -1.7γ and -3.9γ, respectively, while the corresponding changes occurring between 1952 and 1953 were -0.6γ and -1.3γ.

Magnetograms.

These are reproduced on a scale approximately one third that of the originals. Base-line values to the nearest 5γ 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

1954

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
January	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	53.1	53.2	51.7	53.1	54.4	54.1	54.1	54.1	54.1	53.9	54.8	55.9	57.1	56.3	55.3	55.1	55.0	54.7	54.7	54.5	54.1	53.1	53.3	53.1	
2 **	52.3	48.1	48.1	52.3	53.1	53.9	54.1	53.8	53.1	54.8	55.1	57.1	59.1	57.7	57.7	56.4	54.6	56.5	55.1	54.9	53.3	52.9	52.0	52.1	
3	52.7	53.1	53.8	54.1	54.4	54.2	54.1	54.1	54.1	53.9	55.9	57.0	57.5	56.5	55.1	54.3	54.0	54.1	53.9	53.5	53.5	53.3	53.1	53.8	
4 *	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.6	55.6	56.4	57.6	57.1	55.6	55.4	55.0	55.0	54.4	53.8	53.5	53.5	53.8	53.8	
5	53.5	54.1	54.5	54.1	54.4	54.4	54.8	54.2	54.4	54.9	55.3	56.5	58.1	57.7	57.0	57.1	57.0	56.8	58.1	58.4	56.6	45.8	47.0	50.9	
6	53.5	53.6	54.6	54.1	55.0	55.1	56.0	55.1	54.7	54.1	54.5	54.6	56.1	56.5	55.8	55.4	54.1	55.7	55.1	54.1	53.9	53.5	52.8	53.2	
7	53.1	53.9	54.1	54.6	54.6	54.1	54.5	54.1	54.4	54.5	54.5	55.5	56.6	56.2	55.5	55.5	56.5	57.5	55.2	53.1	50.3	53.1	53.1	53.1	
8	54.0	54.0	53.4	53.7	54.1	55.0	55.0	55.0	54.2	53.0	54.0	56.0	57.0	57.0	56.7	56.0	55.1	55.2	55.0	53.4	52.5	53.6	53.3	51.1	
9	50.8	53.0	53.6	54.0	53.8	54.4	54.9	54.8	54.2	55.0	56.0	56.6	57.0	56.9	56.3	56.1	55.4	54.7	54.2	54.0	53.0	53.0	53.2	53.7	
10 *	54.0	54.0	54.1	54.3	54.5	54.3	54.0	54.0	54.0	54.2	55.1	56.4	57.0	56.6	56.0	56.3	57.0	56.0	55.4	54.8	53.0	53.2	53.6	54.0	
11	54.0	54.0	54.3	54.5	54.2	54.6	56.0	56.3	55.3	55.5	55.0	55.7	57.0	56.7	55.5	55.0	55.2	55.3	54.5	55.0	54.2	49.8	51.9	52.5	
12	53.0	53.8	53.6	54.0	54.0	54.8	55.0	54.7	54.8	55.2	55.3	56.0	57.9	57.0	56.5	56.2	58.0	56.0	56.0	54.2	53.2	52.5	52.0	53.0	
13	53.0	50.3	48.5	53.0	53.0	52.4	54.2	54.4	54.0	54.7	55.8	56.9	58.3	58.5	56.6	55.0	54.9	54.8	54.6	53.9	53.5	50.0	50.6	52.6	
14	53.1	54.0	54.5	54.0	54.0	53.9	54.2	54.4	54.5	55.1	56.0	56.1	56.5	57.0	56.0	55.4	55.4	55.3	53.0	53.0	53.0	52.4	51.2	51.9	
15	53.0	52.9	54.2	53.6	53.8	53.6	54.1	54.5	55.2	55.0	56.0	57.0	57.7	57.4	56.2	55.9	55.0	55.6	55.0	54.5	53.0	53.0	52.9	48.5	
16	52.5	52.5	54.0	53.3	53.7	53.0	53.7	54.0	54.0	54.4	55.5	55.9	57.0	56.0	55.5	55.0	55.0	55.0	53.7	51.0	54.0	53.2	53.1	53.5	
17	54.0	54.2	54.6	54.8	54.0	53.9	53.6	53.6	54.0	54.4	55.0	56.0	57.0	57.0	55.5	54.6	55.0	53.3	53.8	55.2	53.0	52.3	52.9	53.2	
18	53.2	53.9	54.3	53.9	53.8	53.6	53.9	54.1	54.3	54.9	55.7	55.4	57.7	56.9	54.6	56.9	55.9	54.9	54.2	53.4	53.9	53.2	41.6	49.1	
19 **	49.6	47.6	49.4	50.8	51.8	51.6	52.8	53.4	54.4	56.4	57.1	55.8	55.8	55.6	54.6	54.2	56.8	57.1	47.0	52.6	50.4	47.0	52.5	49.8	
20 **	50.5	49.8	54.0	51.4	52.2	52.8	53.6	53.7	55.8	55.0	55.5	54.3	55.4	56.6	56.8	55.8	53.2	54.4	52.6	49.3	50.5	51.8	52.8	52.3	
21 **	54.9	51.6	48.9	50.9	51.8	53.8	53.2	53.4	53.8	53.4	54.1	55.4	56.9	56.3	55.9	54.7	54.5	53.3	49.9	54.3	52.9	52.4	52.5	50.9	
22	52.5	51.9	50.9	52.0	52.7	52.6	53.4	52.9	53.3	53.0	53.7	54.3	56.9	57.2	56.4	55.9	55.7	54.3	54.9	50.9	52.0	52.9	52.4	52.8	
23 **	52.8	53.0	53.1	54.9	52.1	52.9	53.1	53.8	53.6	54.5	55.4	55.0	56.0	56.2	54.4	54.2	52.3	52.8	54.2	52.8	52.2	53.0	53.0	52.0	
24	52.9	53.1	52.4	53.0	53.2	52.9	53.0	52.9	52.5	52.4	54.0	54.8	55.4	56.0	55.5	55.0	54.5	54.0	53.0	53.2	53.3	53.0	53.0	53.0	
25	53.0	53.3	52.9	53.2	53.0	53.4	53.4	53.7	53.2	53.3	54.5	55.0	56.0	56.4	56.4	55.6	55.0	51.8	55.3	54.3	53.3	53.0	52.9	53.0	
26 *	52.4	52.4	51.6	51.2	52.0	53.0	54.0	53.7	53.2	53.7	54.0	55.0	55.4	55.4	55.0	54.8	54.7	55.3	56.0	55.0	54.0	54.0	53.3	53.0	
27	53.0	53.4	53.2	53.4	53.8	54.0	53.9	53.4	53.0	53.0	54.4	55.6	57.1	57.9	58.0	58.0	57.8	56.4	55.0	53.8	53.9	53.3	53.0	53.0	
28 *	52.5	52.9	53.4	53.0	52.9	53.6	53.9	53.8	53.5	54.1	54.4	55.0	55.0	56.3	56.1	55.2	55.0	55.0	54.5	54.2	54.0	53.8	53.7	53.6	
29 *	52.9	53.0	53.3	52.8	52.9	53.4	53.2	53.1	53.5	53.8	54.9	55.7	56.0	56.0	55.2	54.9	54.6	54.3	54.8	54.2	54.0	53.9	53.7	53.2	
30	52.9	53.3	53.5	53.5	53.2	53.1	53.9	53.9	53.9	53.9	54.7	54.9	55.1	56.5	55.9	54.3	54.4	55.5	55.5	54.9	53.9	50.8	49.7	51.0	
31	51.9	52.3	53.7	52.9	54.8	53.1	52.4	52.9	52.9	52.9	54.8	56.5	56.8	57.7	56.4	56.3	53.3	55.8	54.8	54.3	53.4	51.9	50.9	50.9	
Mean	52.9	52.7	52.9	53.3	53.5	53.7	54.0	54.0	54.0	54.2	55.1	55.8	56.8	56.7	55.9	55.5	55.2	55.0	54.3	53.8	53.2	52.3	52.1	52.3	
Mean *	53.1	53.3	53.3	53.1	53.3	53.7	53.8	53.7	53.7	54.1	54.8	55.7	56.2	56.3	55.6	55.3	55.3	55.1	55.0	54.4	53.7	53.7	53.6	53.5	
Mean **	52.0	50.0	50.7	52.1	52.2	53.0	53.4	53.6	54.1	54.8	55.4	55.5	56.6	56.5	55.9	55.1	54.3	54.8	51.8	52.8	51.9	51.4	52.6	51.4	
February	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	50.9	51.2	51.2	49.8	47.9	51.7	52.9	52.9	53.6	52.2	53.3	55.6	57.1	59.9	60.7	58.7	56.3	54.5	56.9	54.5	52.6	47.1	48.9	50.4	
2	47.5	46.0	50.9	52.3	50.3	51.9	53.0	52.9	52.7	52.6	54.9	56.4	56.5	57.9	57.9	54.8	56.1	54.9	53.3	52.9	52.5	50.9	49.9	48.8	
3	47.4	46.5	50.6	51.0	52.0	52.3	53.0	54.1	54.4	56.7	54.9	56.5	58.1	56.5	56.1	55.9	54.0	53.5	54.1	53.0	50.7	52.2	50.3	50.1	
4	51.8	52.4	50.0	54.0	53.0	52.0	52.9	53.8	53.0	52.5	53.3	54.0	55.0	55.7	55.5	55.0	53.9	54.3	52.9	51.5	53.0	52.5	52.3	51.4	
5 *	52.0	52.8	53.0	53.4	53.6	53.3	53.4	53.6	53.2	53.3	54.0	55.1	56.4	57.0	56.1	54.4	54.0	53.6	51.5	53.8	53.2	51.7	50.1	52.0	
6 *	51.8	52.5	53.0	52.8	53.6	52.9	52.9	52.9	53.1	53.1	54.3	55.5	56.3	56.0	55.0	54.8	54.0	53.8	54.0	53.8	53.5	53.5	53.0	52.5	
7 *	52.0	52.5	52.5	53.0	53.5	53.2	53.3	53.1	53.3	53.3	54.3	55.5	56.5	57.0	56.0	55.0	55.0	55.1	55.6	54.6	52.4	52.8	51.9	50.4	
8 *	49.0	50.7	51.0	53.1	53.0	53.9	53.9	53.8	53.9	53.9	55.2	56.1	57.2	57.2	56.3	56.3	56.0	55.9	56.0	53.0	51.0	53.7	52.8	52.0	
9	52.0	52.1	53.3	53.8	54.0	53.8	53.8	54.0	54.2	54.0	54.8	55.5	56.2	56.8	56.3	55.7	55.4	58.0	56.4	55.0	54.0	53.2	53.0	53.0	
10	52.8	52.6	52.0	53.0	52.3	52.0	53.0	54.1	54.3	54.8	55.0	56.7	57.7	56.8	56.8	56.9	57.6	58.0	56.6	53.9	52.4	53.6	52.2	49.8	
11	49.0	51.0	45.2	50.7	53.0	53.0	53.8	54.0	54.3	54.6	55.4	56.0	57.4	58.0	57.3	57.0	57.0	57.1	57.3	56.7	52.8	43.0	48.7	52.5	
12 *	54.6	54.0	53.4	53.3	53.1	53.0	53.0	53.2	53.3	54.0	54.6	56.0	57.1	56.6	55.5	54.9	54.4	54.0	54.0	53.6	52.4	51.9	50.5	50.9	
13	52.0	52.6	53.3	53.0	53.1	53.0	53.5	54.1	53.6	53.5	53.5	55.6	56.8	57.1	56.2	55.7	55.1	54.6	54.1	53.7	52.5	50.3	51.8	53.0	
14	53.0	53.1	53.2	53.0	53.1	53.1	53.0	52.8	52.6	53.2	54.1	55.1	55.8	57.5	58.1	58.3	58.9	55.1	53.9	54.1	50.4	49.4	52.1	51.1	
15 **	52.1	52.7	53.1	52.9	53.1	56.1	51.5	52.6	52.8	52.5	56.1	57.7	59.6	58.1	59.7	58.4	56.1	56.1	54.9	50.1	47.1	48.4	48.3	51.7	
16	53.5	53.4	50.9	49.1	52.0	54.7	52.1	52.4	52.7	53.1	54.1	56.4	57.6	59.0	58.1	58.5	55.9	56.1	52.3	47.4	44.5	50.3	50.8	50.1	
17	45.1	47.1	51.1	53.1	54.1	52.5	53.1	53.1	52.9	53.5	55.6	58.1	57.2	59.1	56.9	58.8	55.2	51.4	49.7	41.1	47.2	54.7	50.2	49.5	
18	51.2	51.4	52.2	53.0	52.0	51.7	52.9	53.1	53.0	52.5	54.8	56.2	57.2	57.1	59.0	56.6	54.2	53.2	50.5	46.8	52.4	52.2	52.6	52.6	
19	52.7	53.3	52.9	53.0	52.9	52.9	54.3	56.3	54.3	52.7	53.5	54.6	57.3	56.7	57.1	55.5	54.3	54.7	53.8	51.5	48.3	49.6	51.3	52.5	
20	53.3	53.5	52.7	53.3	53.3	53.3	53.4	53.3	53.2	53.1	53.9	55.9	57.3	57.6	56.8	55.3	54.3	53.1	53.7	53.3	51.3	52.3	51.7	52.0	
21	52.1	52.7	52.9	53.3	52.4	52.2	52.2	52.7	53.5	53.7	53.8	55.3	56.5	58.5	59.3	61.1	60.3	56.1	49.4	45.0	49.3	45.0	43.3	44.3	
22 **	51.3	50.8	50.7	48.7	53.7	53.3	53.2	53.8	53.4	51.9	52.8	55.8	57.6	58.6	55.8	56.3	53.7	54.3	51.9	50.4	39.8	47.2	47.9	44.2	
23 **	48.8	47.6	54.2	53.2	50.5	52.3	52.3	53.3	54.8	55.7	55.4	54.8	55.3	57.6	59.1	58.3	51.8	53.3	50.2	53.5	52.7	52.8	43.3	47.3	
24	48.9	52.3	53.1	52.4	52.3	52.2	52.6	52.8	52.7	53.2	55.2	57.8	58.9	59.5	55.2	55.3	54.8	51.9	50.4	52.1	52.1	50.4	52.7	50.8	
25	51.6	52.8	53.3	53.4	53.3	53.3	53.2	52.4	52.3	52.3	53.6	55.3	56.9	57.8	57.0	57.2	55.7	55.3	53.3	53.2	52.7	51.6	51.0	53.1	
26 **	52.1	52.0	53.0	54.3	53.3	51.8	52.3	53.5	54.2	53.3	55.2	60.3	55.3	56.9	58.3	59.1	59.2	55.4	53.2	47.3	37.5	44.7	50.3	49.8	
27 **	49.3	49.6	51.5	51.4	50.9	50.5	52.5	53.0	52.3	53.0	54.4	57.2	56.2	56.3	57.3	47.3	48.8	54.3	54.3	54.2	53.4	49.8	49.3	48.2	
28	43.3	47.3	49.9	51.7	52.2	51.9	52.3	52.7	52.8	53.5	54.9	56.3	57.2	56.9	57.0	54.4	51.1	53.4	53.3	52.8	50.2	51.9	49.9	50.1	
Mean	50.8	51.3	51.9	52.5	52.6	52.8	53.0	53.4	53.4	53.4	54.5	56.1	56.9	57.5	57.2	56.3	55.1	54.7	53.5	51.9	50.4	50.6	50.4	50.5	
Mean *	51.9	52.5	52.6	53.1	53.4	53.3	53.3	53.3	53.4	53.5	54.5	55.6	56.7	56.8	55.8	55.1	54.7	54.5	54.2	53.8	52.5	52.7	51.7	51.6	
Mean **	50.7	50.5	52.5	52.1	52.3	52.8	52.4	53.2	53.5	53.3	54.8	57.2	56.8	57.5	58.0	55.9	53.9	54.7	52.9	51.1	46.1	48.6	47.8	48.2	

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
March													8° + Tabular Quantities												
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
1 *	51.4	50.9	51.3	52.2	51.5	51.7	52.3	52.4	52.9	52.5	53.8	55.6	57.4	57.4	56.8	56.3	54.7	54.2	54.1	53.7	53.8	49.4	43.1	45.3	
2	49.6	55.9	51.4	48.7	51.9	52.4	51.7	51.4	51.4	51.8	53.4	54.7	57.2	58.0	58.1	56.2	54.4	53.8	48.9	49.9	53.0	53.4	50.4	51.3	
3 *	51.3	52.3	54.5	52.6	51.0	52.5	52.5	51.7	51.1	51.3	52.8	55.6	57.8	58.7	58.9	57.2	55.7	55.2	54.4	53.6	52.3	50.4	51.8	52.3	
4	52.4	52.7	52.3	52.9	52.8	53.3	52.3	51.3	50.4	51.2	53.3	55.1	57.6	58.7	57.3	56.5	56.0	55.3	54.2	53.5	52.6	46.3	48.0	48.3	
5	49.3	50.7	53.4	53.2	53.0	51.3	52.7	51.6	51.4	51.7	53.5	55.6	57.3	60.2	59.3	58.7	56.3	54.3	53.7	53.3	52.4	52.6	50.7	46.6	
6	51.7	50.3	49.7	51.7	52.3	51.3	52.3	52.5	52.1	52.3	53.8	56.3	57.3	56.9	56.2	55.3	55.3	55.9	55.3	54.3	52.7	48.2	49.3	49.3	
7	51.3	52.4	51.7	53.5	49.9	51.4	53.3	52.3	51.3	51.2	53.3	54.3	55.3	58.6	57.9	54.8	55.3	53.8	52.6	53.1	48.2	48.6	48.0	46.8	
8	51.3	52.4	53.1	53.6	54.0	51.9	52.2	51.3	50.3	50.4	51.3	53.9	56.3	58.1	58.0	57.0	56.3	55.9	55.3	55.1	53.4	50.9	51.1	48.1	
9	49.5	51.4	51.5	51.3	51.9	52.5	53.6	52.9	51.4	51.9	52.5	53.9	56.5	58.6	57.2	56.4	56.1	49.3	44.4	47.9	51.4	52.6	52.7	52.2	
10	52.0	52.3	53.0	52.4	52.5	52.5	52.3	51.9	51.4	51.8	52.4	54.3	57.9	58.8	58.4	55.9	55.4	54.4	52.7	49.8	51.4	51.9	50.4	47.9	
11	51.7	54.9	52.3	51.9	49.1	51.9	51.4	51.8	52.5	53.2	54.4	55.6	57.4	59.4	58.5	56.6	55.1	54.4	53.3	47.4	51.0	46.2	45.7	47.6	
12	50.3	51.8	52.4	51.4	50.8	51.8	53.2	52.4	52.1	51.9	53.4	56.7	58.4	58.4	57.4	56.9	55.2	54.8	54.5	51.9	47.3	47.4	46.5	49.7	
13	49.8	51.4	50.6	50.2	50.3	51.4	51.8	51.1	50.9	51.5	52.8	55.6	58.3	59.3	60.4	59.3	54.6	56.3	54.4	43.0	42.4	52.4	51.7	48.0	
14 **	48.3	45.8	47.8	50.8	53.3	51.5	51.5	49.8	50.4	50.8	53.0	55.3	56.0	57.4	56.8	56.2	54.3	49.4	51.0	49.2	48.4	47.9	48.3	51.8	
15 **	58.6	51.9	50.2	49.4	55.9	51.3	52.1	51.3	52.3	53.9	54.4	56.9	58.5	57.0	57.9	56.3	54.8	53.5	49.0	48.2	48.1	51.4	54.9	52.0	
16	52.5	54.0	53.5	52.4	52.6	53.5	52.4	51.4	51.5	53.1	54.6	56.1	59.0	57.1	55.1	54.9	54.4	51.0	52.9	46.0	45.4	51.8	51.5	51.0	
17	51.1	53.5	51.3	51.8	52.5	52.4	51.9	51.4	51.4	52.4	55.3	56.4	57.3	56.7	56.0	55.3	50.8	54.4	53.4	50.3	46.1	49.4	46.8	49.4	
18	50.4	54.0	47.4	46.6	49.4	51.2	50.6	50.4	51.6	53.4	55.5	57.9	59.9	59.4	57.2	56.4	54.6	53.4	53.9	47.3	49.9	52.4	52.7	53.1	
19	54.2	52.2	51.7	50.9	51.2	51.2	51.1	50.3	50.0	51.4	53.4	56.4	58.9	61.0	59.0	56.2	56.4	54.8	52.2	50.4	50.0	50.5	51.2	53.1	
20 **	50.3	51.4	54.4	53.0	52.3	50.9	50.4	49.3	49.4	51.5	54.5	58.4	59.2	59.0	57.4	56.0	53.9	50.4	50.2	48.8	51.4	52.3	53.4	54.4	
21	50.4	49.0	51.9	52.0	52.5	51.7	51.1	49.5	48.7	50.8	54.9	57.5	59.0	59.4	57.8	56.4	54.7	53.5	53.1	50.3	45.5	49.0	51.3	51.9	
22	51.5	56.2	53.0	51.4	51.5	51.5	51.5	50.3	49.9	50.4	53.5	57.9	60.0	59.5	58.4	55.8	53.9	54.0	56.2	52.0	36.8	37.4	47.6	50.7	
23 **	54.2	52.5	46.4	48.0	50.0	49.0	49.6	53.4	50.3	50.3	54.0	57.3	61.2	59.2	57.1	58.3	56.1	54.9	52.5	45.3	40.5	47.3	46.4	48.3	
24 **	41.7	46.7	50.3	49.4	52.5	52.1	51.5	50.4	51.7	54.1	56.0	56.9	56.5	56.0	55.1	55.6	55.3	52.2	44.0	48.4	53.7	53.2	51.5	49.4	
25	46.7	49.9	51.9	51.3	53.3	50.8	51.5	50.8	50.3	51.7	53.0	54.0	54.8	54.8	55.3	54.8	52.2	53.8	53.0	47.9	47.3	52.2	52.6	52.3	
26	52.2	52.2	53.4	51.7	50.2	51.2	52.8	51.7	51.2	51.0	52.8	55.3	56.4	56.8	56.9	56.6	49.7	52.0	53.7	51.1	48.7	47.9	50.6	50.9	
27 *	51.6	49.7	51.9	49.4	49.8	50.1	50.8	49.8	49.3	50.9	52.4	53.9	56.8	57.4	57.2	55.8	54.4	53.8	52.9	51.8	49.9	51.4	51.6	51.6	
28 *	50.3	53.7	51.9	51.6	50.8	51.0	51.5	50.8	49.8	50.4	53.9	56.9	57.8	57.4	56.6	55.2	53.8	52.8	53.4	53.0	52.3	51.2	51.4	50.7	
29 *	52.8	51.8	51.8	51.8	51.8	51.8	50.8	49.2	48.7	49.9	53.4	56.2	57.9	58.3	56.7	55.6	53.8	53.2	52.9	50.8	52.2	50.8	48.7	45.4	
30	46.8	50.9	49.3	48.9	49.9	49.9	49.6	48.4	48.7	49.8	51.8	55.8	58.9	62.8	63.8	58.6	56.1	54.8	53.8	53.2	51.4	51.5	47.3	46.8	
31	49.1	49.8	49.0	48.0	49.0	49.2	49.1	50.0	50.2	51.2	54.7	57.5	58.8	59.2	58.0	57.0	55.7	53.8	53.4	53.3	50.8	47.4	49.8	51.8	*
Mean	50.8	51.8	51.4	51.1	51.6	51.5	51.7	51.1	50.8	51.6	53.6	55.9	57.8	58.4	57.6	56.4	54.7	53.7	52.6	50.4	49.4	49.8	49.9	49.9	
Mean *	51.5	51.7	52.3	51.5	51.0	51.4	51.6	50.8	50.4	51.0	53.3	55.6	57.5	57.8	57.2	56.0	54.5	53.8	53.5	52.6	52.1	50.6	49.3	49.1	
Mean **	50.6	49.7	49.8	50.1	52.8	51.0	51.0	50.8	50.8	52.1	54.4	57.0	58.3	57.7	56.9	56.5	54.9	52.1	49.3	48.0	48.4	50.4	50.9	51.2	
April													8° + Tabular Quantities												
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
1 *	51.8	51.0	50.9	50.8	50.2	49.6	49.5	49.4	49.7	51.1	53.3	55.4	57.1	57.9	57.6	55.8	53.8	52.2	53.4	53.8	53.4	52.1	48.2	49.8	
2	52.3	52.0	51.9	52.0	51.3	50.9	50.0	49.3	49.1	50.8	54.3	57.9	61.8	63.9	64.9	59.3	56.8	54.5	53.9	53.0	50.9	42.6	41.3	44.6	
3	50.7	52.2	52.0	50.6	51.8	51.9	50.4	48.4	49.0	51.8	54.0	56.0	60.0	61.0	59.4	56.5	54.3	53.4	53.2	52.0	48.4	49.0	49.0	47.0	
4	47.0	50.0	47.8	48.7	46.5	50.5	52.8	49.5	49.0	50.1	53.1	55.3	57.0	58.0	57.0	56.0	54.6	53.0	52.3	52.0	50.1	45.0	49.0	48.1	
5	48.0	49.0	50.1	50.2	53.3	52.0	51.0	49.7	49.4	51.0	52.2	56.2	59.0	60.0	58.6	57.0	55.2	54.0	53.0	52.4	52.3	52.2	52.2	52.0	
6	51.0	50.9	50.4	51.0	52.3	52.0	51.2	50.0	48.6	48.3	51.0	54.2	58.0	59.3	57.7	56.4	54.7	53.5	53.0	52.7	51.2	52.0	52.2	52.8	
7 *	52.8	53.3	52.3	53.0	52.0	51.7	51.9	52.0	51.2	51.4	53.4	56.4	59.0	60.0	59.8	58.0	56.4	55.0	52.5	49.8	52.0	51.9	51.0	52.9	
8	52.0	52.0	52.1	51.5	51.6	51.0	50.0	48.7	48.5	49.7	53.2	56.0	58.6	59.1	57.8	56.3	55.3	54.4	53.8	49.8	44.4	44.4	47.3	52.0	
9	49.0	53.2	51.4	50.0	50.0	49.2	48.6	47.6	48.8	50.0	52.0	54.0	56.4	59.0	59.4	58.9	57.3	54.0	52.0	52.9	53.0	53.0	50.3	50.2	
10	51.6	51.2	50.9	53.0	51.5	50.6	49.7	48.7	48.5	49.8	52.3	55.1	56.4	56.6	56.8	56.4	56.0	53.5	52.5	52.7	52.4	51.7	49.1	49.8	
11 **	55.4	51.5	50.5	51.2	51.5	50.6	50.0	49.6	49.7	51.0	53.9	55.1	57.0	58.3	58.1	57.0	56.2	55.0	51.0	40.6	46.0	45.6	44.0	45.1	
12 **	37.0	26.1	24.2	33.6	44.3	44.6	44.0	47.3	47.3	51.0	52.4	55.7	59.0	57.0	57.0	57.0	55.4	55.6	54.4	53.9	52.9	49.8	50.0	47.7	
13	48.2	49.6	49.7	50.4	50.8	50.7	50.0	49.0	49.0	50.2	52.0	54.2	56.7	58.3	54.0	54.0	54.8	52.8	52.6	52.0	50.4	46.4	49.0	51.7	
14	52.0	53.4	53.0	52.3	53.3	51.4	51.0	49.3	49.4	50.0	52.2	55.0	56.5	57.0	55.3	55.3	54.9	53.8	52.5	52.4	52.6	52.3	52.7	52.0	
15 **	53.9	53.2	51.1	50.7	50.1	50.7	50.0	49.3	49.2	51.1	53.1	56.3	58.0	58.6	58.7	57.1	55.6	54.6	53.3	50.8	48.7	50.6	50.1	51.1	
16	50.4	51.3	50.2	51.0	50.1	50.4	50.1	49.5	50.0	50.9	53.5	56.1	57.0	57.8	56.1	54.9	54.4	54.1	53.6	51.5	47.1	49.1	49.1	50.0	
17	50.7	51.1	52.1	52.1	51.5	50.7	49.5	47.8	47.8	49.6	53.0	56.1	57.6	58.8	58.1	56.9	55.2	54.0	51.1	52.5	52.2	52.0	51.7	48.4	
18	48.5	52.9	51.7	50.1	51.1	49.3	48.8	48.1	48.1	50.1	54.1	56.4	59.9	60.7	60.5	58.1	55.3	53.2	53.1	50.5	50.3	46.4	49.5	50.7	
19	52.0	52.1	53.1	52.6	52.1	51.8	51.0	48.7	47.7	48.7	51.8	55.9	59.6	59.8	59.3	58.3	57.6	56.2	52.4	50.1	52.4	52.5	52.7	51.1	
20 **	51.9	51.1	51.8	54.7	52.3	51.7	48.8	48.1	47.7	48.9	52.1	55.5	59.3	60.7	59.1	58.5	57.3	54.3	46.5	46.1	49.7	51.4	50.5	51.6	
21	53.7	51.5	51.1	50.9	50.3	50.2	50.4	50.1	49.0	49.9	52.1	56.0	57.8	58.6	57.5	57.1	55.4	50.9	51.5	52.2	53.0	52.2	52.1	53.1	
22	51.5	52.3	54.7	50.6	49.9	51.0	50.6	49.9	49.2	50.1	52.1	55.1	58.0	58.1	57.3	55.5	54.2	53.1	52.6	52.9	52.4	52.7	52.7	52.4	
23 **	50.8	51.3	51.1	51.1	48.1	47.8	47.1	46.7	47.7	50.0	53.8	58.2	60.1	61.1	58.5	57.1	56.6	55.1	53.0	49.8	48.1	46.2	46.5	47.7	
24	50.2	51.1	53.0	51.1	49.2	48.7	48.5	48.1	48.1	49.1	52.1	54.0	56.2	57.7	56.9	57.1	55.2	54.1	52.6	46.1	49.7	51.5	51.4	50.0	
25 *	47.6	51.5	50.7	50.5	51.1	50.7	49.3	49.1	49.1	50.4	52.5	55.1	57.7	57.2	57.0	56.1	55.3	55.0	54.1	53.1	50.1	50.4	52.1	50.8	
26	50.4	49.3	52.0	49.6	46.0	48.0	49.4	49.0	50.0	51.8	53.1	55.3	58.0	59.0	57.0	56.0	55.7	54.4	54.0	52.8	49.3	51.7	49.3	46.5	
27	50.3	46.0	49.8	48.7	47.0	48.0	49.3	52.6	53.1	52.5	53.5	55.1	56.4	56.6	55.8	54.0	52.4	53.0	52.8	49.0	50.5	51.6	52.0	51.7	
28 *	53.0	50.7	49.7	49.4	50.2	49.9	48.2	48.6	49.6	51.6	54.0	55.4	56.1	56.0	55.5	54.9	55.0	54.5	52.8	53.8	53.9	53.5	52.0	49.8	
29 *	49.7	48.1	49.2	49.9	49.1	49.9	49.5	49.5	49.9	51.7	54.1	56.9	58.7	58.0	57.4	56.0	55.3	54.0	53.2	53.0	53.0	51.6	53.0	52.3	
30	52.0	51.7	51.0	51.0	49.5	49.0	48.2	47.9	50.0	51.0	53.5	57.4	58.3	57.7	56.0	54.0	53.0	52.4	51.3	50.4	50.0	49.8	51.0	51.5	
Mean	50.5	50.4	50.3	50.4	50.3	50.2	49.6	49.1	49.1	50.5	52.9	55.7	58.0	58.7	57.8	56.5	55.3	53.9	52.6	51.2	50.7	50.0	50.0	50.1	
Mean *	51.0	50.9	50.6	50.7	50.5	50.4	49.7	49.7	49.9	51.2	53.5	55.8	57.7	57.8	57.5	56.2	55.2	54.1	53.2	52.7	52.5	51.9	51.3	51.1	
Mean **	49.8	46.6	45.7	48.3	49.3	49.1	48.0	48.2	48.3	50.4	53.1	56.2	58.7	59.1	58.3	57.3	56.2	54.9	51.6	48.2	49.1	48.7	48.2	48.6	

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
May	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 *	51.7	53.5	51.0	50.0	48.9	48.0	47.0	46.4	46.7	48.4	51.3	54.1	56.0	56.4	55.6	54.4	53.4	52.6	52.0	51.8	52.0	52.0	52.0	52.0	
2	50.9	48.2	48.9	47.0	46.2	49.0	45.6	46.0	46.7	49.0	52.3	55.0	57.0	58.0	57.6	56.6	55.6	54.4	53.6	53.3	53.0	52.8	52.3	50.7	
3	49.0	49.0	49.0	50.0	50.3	50.0	48.0	48.0	48.0	50.0	53.0	56.0	58.3	59.2	59.0	57.2	55.8	55.0	54.4	54.4	54.0	53.2	53.0	51.6	
4 **	51.6	50.3	51.0	50.9	49.8	49.7	50.0	49.2	50.4	53.0	55.0	57.0	59.7	59.3	58.4	57.7	56.0	56.0	53.1	52.0	52.4	49.0	47.2	48.0	
5	49.8	50.0	50.0	49.8	50.4	50.4	50.0	51.0	50.2	51.0	54.0	56.8	58.0	57.9	57.0	55.0	54.4	53.9	53.0	52.6	52.4	52.0	51.0	51.2	
6	52.6	52.5	51.0	49.1	50.7	50.4	50.0	50.0	49.7	49.5	50.9	54.0	56.0	56.9	56.1	54.9	54.0	53.2	52.4	52.4	52.3	52.1	52.0	51.8	
7 *	51.2	51.1	51.0	50.9	50.7	49.5	48.6	48.5	48.4	48.7	50.7	53.0	56.2	58.0	58.0	56.6	55.6	55.3	54.5	53.7	53.0	53.0	52.3	51.3	
8	50.9	50.7	50.1	50.2	49.3	49.0	49.0	48.8	49.5	50.0	52.0	55.4	56.9	57.9	59.0	59.2	57.9	55.8	55.0	53.0	47.0	48.4	48.5	45.9	
9 **	48.0	48.0	46.8	47.0	50.0	49.0	48.0	48.5	49.8	51.0	53.4	55.5	56.1	56.5	55.4	54.5	54.4	53.3	52.9	52.0	50.0	52.6	52.3	52.1	
10	51.9	51.0	51.2	50.6	50.0	48.1	48.0	49.5	50.0	51.6	53.6	56.4	57.6	56.9	56.0	55.0	55.0	55.0	55.0	53.3	51.0	52.2	51.0	50.7	
11 **	50.4	52.1	47.3	46.9	47.6	46.4	47.5	48.9	50.3	53.0	55.7	57.9	57.7	55.7	54.3	53.8	53.0	53.0	52.0	49.3	52.0	52.2	51.9	52.0	
12	49.6	50.2	50.3	50.0	50.0	49.5	49.0	49.1	49.2	50.0	51.8	54.3	56.1	56.9	56.0	55.2	55.4	53.4	53.4	53.4	53.5	53.2	52.6	51.8	
13	51.6	50.0	50.4	49.0	48.0	48.0	47.5	46.3	46.1	48.0	50.7	53.1	55.9	57.3	56.4	55.2	54.4	53.9	52.6	53.0	52.3	52.5	52.4	51.9	
14	54.0	52.8	50.6	48.9	47.3	47.4	49.0	49.1	49.0	50.6	52.5	54.4	55.9	56.0	55.9	54.9	54.3	54.1	53.6	53.0	51.8	51.1	52.1	52.0	
15	51.7	51.4	49.3	48.3	48.1	49.0	48.4	49.0	50.0	51.9	53.9	55.5	56.1	55.9	58.1	56.7	56.0	55.0	54.8	53.6	52.6	52.4	51.0	49.6	
16	50.9	50.7	52.4	49.9	49.3	49.9	48.8	48.0	49.3	50.9	53.3	56.3	57.9	58.9	58.6	56.7	55.3	54.0	52.0	52.0	52.9	52.9	52.7	51.9	
17 *	51.4	51.3	50.9	50.5	49.9	49.3	48.9	49.2	48.5	49.8	53.0	56.6	58.8	58.6	57.3	55.9	54.2	53.0	52.8	53.2	53.1	52.7	52.4	52.0	
18 **	51.3	50.2	52.4	53.6	49.9	48.7	48.0	46.9	46.9	48.3	50.9	55.9	56.9	58.4	57.6	55.9	54.9	53.4	51.5	46.4	47.4	46.7	47.9	44.5	
19	45.3	48.5	50.5	50.0	49.8	49.9	48.8	47.9	48.5	51.0	54.0	56.3	58.4	58.9	59.0	56.8	55.9	54.9	53.8	53.5	50.3	50.4	48.0	45.8	
20	45.2	45.8	46.7	47.8	49.4	48.8	48.0	48.7	49.8	51.5	52.8	54.1	56.7	57.8	58.2	56.4	55.7	54.8	54.2	52.6	51.2	49.0	49.0	49.8	
21 **	51.2	50.8	46.8	46.8	46.8	47.8	47.8	47.1	47.2	49.8	52.8	54.6	56.3	58.7	58.3	57.5	55.2	54.8	52.5	51.4	52.4	51.6	50.8	49.8	
22	51.0	49.8	49.3	48.6	47.8	47.4	46.8	47.7	49.2	51.5	52.8	55.3	56.5	55.8	54.9	54.1	53.3	53.2	53.2	53.2	52.4	52.0	51.3	48.4	
23	48.8	49.9	49.8	49.8	49.6	47.9	47.0	48.5	48.7	48.8	51.2	54.5	56.8	56.8	56.8	55.8	54.8	53.8	53.3	53.2	52.5	52.8	52.2	51.8	
24	51.9	52.1	50.8	50.5	50.3	49.3	49.8	50.4	50.7	50.8	51.8	53.8	56.1	57.1	57.2	56.4	56.2	55.8	53.8	53.3	53.8	53.1	50.8	50.6	
25 *	50.6	49.8	48.3	48.5	48.9	48.8	48.4	48.8	49.8	50.8	52.5	54.1	55.9	57.3	56.8	55.7	54.8	54.3	53.8	52.2	52.4	52.7	52.3	51.7	
26	51.1	52.0	50.7	49.2	48.5	48.6	49.3	49.8	50.1	51.4	53.2	54.8	55.5	56.8	56.8	54.8	54.8	54.3	53.2	52.4	52.4	52.2	51.3	50.8	
27	50.0	48.1	48.7	47.2	48.2	49.3	47.7	47.5	48.7	50.7	52.7	54.7	56.6	56.7	55.8	54.9	53.9	53.2	52.7	52.6	52.2	52.3	51.8	51.6	
28	51.2	51.2	51.0	50.7	49.5	47.7	47.4	47.6	48.9	50.6	52.1	54.7	56.7	57.1	56.0	55.3	55.1	53.9	52.9	52.3	50.7	50.5	49.7	50.5	
29	50.0	47.6	45.8	44.6	43.9	44.0	43.8	47.0	49.4	50.6	53.7	56.6	57.7	58.1	56.6	54.6	53.6	52.0	51.9	52.6	52.6	52.0	51.6	52.0	
30 *	51.6	50.7	50.9	50.4	48.9	46.6	45.8	47.1	48.8	51.2	55.4	57.6	58.1	57.0	55.6	53.6	52.8	51.8	52.1	52.4	52.4	52.4	52.4	51.8	
31	51.6	50.9	51.6	50.6	50.0	49.1	48.6	48.6	48.6	49.8	52.9	55.7	56.5	56.5	56.6	55.1	54.3	54.1	54.2	50.6	51.5	52.2	52.0	51.8	
Mean	50.6	50.3	49.8	49.3	49.0	48.6	48.1	48.4	48.9	50.4	52.8	55.3	56.9	57.4	56.9	55.7	54.8	54.0	53.2	52.4	51.9	51.7	51.2	50.6	
Mean *	51.3	51.3	50.4	50.1	49.5	48.4	47.7	48.0	48.4	49.8	52.6	55.1	57.0	57.5	56.7	55.2	54.2	53.4	53.0	52.7	52.6	52.6	52.3	51.8	
Mean **	50.5	50.3	48.9	49.0	48.8	48.3	48.3	48.1	48.9	51.0	53.6	56.2	57.3	57.7	56.8	55.9	54.7	54.1	52.4	50.2	50.8	50.4	50.0	49.3	
June	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	51.7	51.1	51.8	50.2	48.7	48.0	47.7	48.3	48.7	49.7	51.5	53.7	56.7	57.7	57.6	55.7	54.2	52.3	51.3	51.6	51.9	52.2	51.1	51.3	
2	51.6	51.5	51.1	52.1	52.7	49.7	48.6	47.9	48.4	50.2	52.8	55.6	57.4	58.1	57.2	55.7	54.7	53.3	51.9	51.7	51.7	51.7	51.7	50.7	
3	50.3	50.7	50.3	50.2	48.6	47.4	46.7	46.7	47.0	48.8	51.7	54.5	56.1	57.6	57.7	56.7	55.7	54.7	53.8	52.7	51.2	50.5	51.0	51.2	
4	51.4	52.3	50.7	50.6	47.7	47.7	47.8	48.1	47.4	50.7	53.1	55.2	57.6	57.4	56.8	55.7	54.7	54.6	54.7	52.1	51.1	51.6	51.8	51.3	
5 *	50.7	50.7	50.4	50.2	49.2	48.0	47.8	47.7	48.0	48.7	50.9	53.7	54.9	55.7	56.3	55.6	54.1	53.7	53.5	53.0	53.3	52.9	52.7	51.1	
6	49.7	49.7	50.0	49.9	49.5	48.7	47.7	46.7	47.1	49.3	51.4	54.1	57.3	58.2	57.6	56.7	54.6	54.0	53.7	53.9	53.7	52.1	51.5	51.5	
7	50.1	51.4	49.9	50.6	50.1	49.5	48.7	47.3	47.7	49.5	51.1	53.7	55.7	57.7	58.6	56.6	55.2	54.1	53.4	53.7	53.3	52.8	50.8	50.7	
8 *	50.7	50.6	50.7	50.7	49.6	48.1	48.1	48.4	48.9	50.6	52.3	54.2	55.2	56.2	56.4	55.7	55.1	54.4	53.7	53.7	53.6	52.7	51.8	51.1	
9	51.2	50.7	50.9	50.7	48.9	47.7	46.5	46.3	48.6	47.7	50.9	54.0	56.0	57.3	56.7	55.1	54.5	53.7	53.5	53.6	53.7	53.1	51.7	50.7	
10 **	50.7	52.4	49.6	47.9	47.5	46.7	51.7	50.7	48.5	49.9	51.9	54.0	55.7	54.7	55.0	55.1	54.0	52.1	49.9	51.1	52.3	52.0	51.4	50.8	
11 *	51.2	51.7	50.7	49.8	48.7	47.3	46.7	47.7	48.4	49.6	51.6	53.1	54.3	54.3	54.7	54.2	53.3	52.7	52.6	52.2	52.1	52.7	52.6	51.7	
12 **	51.3	50.7	50.7	50.1	49.2	48.6	48.3	48.7	48.8	49.3	51.3	54.1	57.2	57.6	57.6	57.6	56.7	55.7	53.7	49.6	47.2	50.7	52.2	51.4	
13 **	50.6	50.4	51.4	50.7	49.6	47.5	46.7	46.7	47.7	50.5	53.3	54.7	56.7	57.6	57.7	57.7	56.2	55.6	52.2	52.3	52.3	52.6	51.7	51.1	
14 **	50.7	50.7	49.7	49.6	48.7	47.1	46.2	46.7	48.9	50.6	52.7	55.1	57.5	55.9	56.1	56.2	54.7	52.8	52.7	51.6	51.7	51.7	51.7	51.7	
15	51.2	50.7	49.9	49.2	48.7	46.8	46.8	47.2	47.7	49.3	51.2	54.2	55.8	56.0	55.5	54.0	52.8	51.8	51.8	51.8	52.0	49.8	51.0	51.0	
16 *	50.8	50.7	50.8	51.2	48.8	47.6	47.1	47.5	47.3	49.7	52.8	54.7	56.3	56.8	56.5	55.8	54.8	54.2	53.4	52.7	52.4	51.9	51.8	51.6	
17	51.7	52.3	51.8	51.2	49.7	48.7	48.0	48.5	48.9	49.8	52.7	55.4	57.4	58.8	58.8	57.2	55.4	53.8	52.8	52.4	52.1	51.9	51.9	50.9	
18	49.1	49.5	49.8	49.5	48.7	47.8	47.0	47.5	47.8	49.2	52.4	55.8	58.2	58.8	57.7	56.5	55.4	55.7	56.0	53.8	48.8	49.0	50.5	50.7	
19	49.9	49.8	49.8	49.7	48.7	48.6	47.8	47.8	48.3	48.8	51.0	54.2	56.8	57.7	57.8	57.4	55.7	54.7	53.2	51.4	51.0	51.0	50.9	49.8	
20	49.8	50.1	50.8	47.8	47.4	45.9	45.8	45.9	46.8	49.2	51.7	54.4	56.8	58.7	58.3	56.8	55.6	54.3	53.3	52.4	51.8	48.8	48.8	48.8	
21	49.2	49.8	49.8	49.6	48.8	47.9	47.6	46.9	47.8	49.5	51.6	54.6	57.3	58.3	58.2	55.9	53.8	53.4	53.2	52.9	53.2	50.7	49.8	47.1	
22	45.7	45.1	46.4	46.8	45.7	47.5	47.8	47.8	47.0	47.2	48.8	51.7	53.8	55.6	56.2	55.8	55.4	54.5	53.4	52.7	51.7	49.8	49.5	49.7	
23	49.7	49.3	50.5	49.3	47.9	47.6	47.7	47.8	47.2	47.5	49.2	51.3	53.2	54.7	54.8	54.7	53.9	53.8	54.6	53.2	51.7	51.7	51.2	50.7	
24 *	50.7	50.6	50.4	50.4	48.9	48.2	46.2	46.1	46.7	48.2	50.7	52.3	54.2	56.2	56.6	55.7	54.2	53.2	52.7	52.2	52.1	51.2	50.7	50.3	
25	50.2	49.5	49.3	48.9	47.8	47.1	46.7	46.6	46.5	47.3	49.3	51.1	54.2	56.0	55.9	55.6	55.6	55.2	53.5	51.6	51.2	51.1	51.2	50.8	
26	50.5	50.1	50.0	49.0	48.6	47.0	47.1	46.4	46.7	47.7	50.6	53.7	55.5	56.6	57.2	56.6	54.6	53.0	53.4	52.7	53.1	52.6	52.2	50.2	
27	49.0	49.1	49.4	49.1	48.7	47.7	46.3	45.7	46.5	47.8	50.2	51.7	53.5	53.6	54.8	54.0	52.7	51.7	51.3	51.7	52.4	52.6	52.7	49.2	
28 **	46.7	50.7	49.7	51.2	48.8	46.5	46.9	49.7	49.8	50.2	51.7	54.2	55.7	55.1	54.7	53.4	52.1	51.0	51.3	51.3	50.7	50.5	50.7	50.7	
29	50.7	50.7	51.0	50.1	48.7	47.7	48.5	46.8	46.9	49.1	50.7	53.1	55.3	56.7	56.9	55.7	54.1	52.8	51.9	51.3	51.2	51.4	51.0	50.0	
30	50.2	50.7	50.7	49.7	48.7	47.3	46.6	45.7	45.6	47.5	49.7	53.2	55.7	57.5	57.1	55.7	53.8	52.6	51.7	51.7	52.1	51.3	49.7	45.2	
Mean	50.2	50.4	50.3	49.9	48.8	47.7	47.4	47.4	47.7	49.1	51.4	53.8	55.9	56.8	56.8	55.8	54.6	53.6	52.9	52.3	51.9	51.5	51.2	50.4	
Mean *	50.8	50.9	50.6	50.5	49.0	47.8	47.2	47.5	47.9	49.4	51.7	53.6	55.0	55.8	56.1	55.4	54.3	53.6	53.2	52.8	52.7	52.3	51.9	51.2	
Mean **	50.0	51.0	50.2	49.9	48.8	47.3	48.0	48.5	48.7	50.1	52.2	54.4	56.6	56.2	56.2	56.0	54.7	53.4	52.0	51.2	50.8	51.5	51.5	51.1	

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
July	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 **	47.8	49.9	51.4	50.7	48.9	51.7	51.0	48.1	46.5	47.8	50.7	53.8	56.5	58.3	57.7	55.4	53.3	51.1	50.7	50.5	50.6	50.6	50.7	50.7	
2 *	50.7	50.7	50.9	50.7	49.4	46.7	45.7	45.3	46.0	48.3	51.1	53.4	55.7	57.1	56.1	54.9	53.6	51.9	50.7	50.8	50.3	49.6	50.7	50.8	
3 *	50.7	50.7	50.3	49.6	48.6	46.8	46.6	45.6	47.0	50.5	53.6	56.7	57.2	56.5	56.7	56.2	53.7	52.5	52.1	51.7	51.7	51.4	50.7	49.7	
4 *	49.6	49.6	49.6	49.6	48.5	46.4	45.7	46.6	47.6	48.6	50.7	53.6	55.4	54.6	54.0	52.9	52.6	52.0	51.2	50.9	51.1	51.0	50.6	50.1	
5	50.0	49.8	49.5	48.7	48.4	48.1	46.1	45.5	45.8	47.6	50.5	51.6	52.5	54.2	55.6	56.0	56.7	56.6	55.6	54.6	53.0	51.9	50.8	50.6	
6	50.6	49.2	49.1	48.6	47.6	47.5	47.0	48.3	49.9	49.6	50.1	52.4	51.4	51.0	53.6	53.6	53.1	52.7	52.6	52.7	50.1	50.6	50.3	50.2	
7	49.6	49.6	48.3	48.6	47.1	46.0	45.5	45.6	46.5	48.0	50.5	52.5	53.6	55.2	54.5	53.1	52.6	53.0	52.5	51.6	51.6	51.2	50.3	50.5	
8	49.7	49.6	49.6	49.5	48.6	47.6	47.5	47.5	46.6	45.6	48.5	51.6	53.7	54.0	54.4	54.6	54.5	54.2	53.3	50.6	51.3	51.5	51.2	50.3	
9 *	50.0	49.5	50.6	50.2	49.2	48.2	47.6	47.9	48.0	48.5	49.7	52.8	55.3	55.3	54.6	54.0	53.2	51.9	51.6	52.0	52.4	51.6	50.7	50.6	
10 *	49.9	49.7	50.0	50.0	49.4	47.4	47.0	47.1	47.5	48.4	50.5	53.9	57.2	57.5	56.4	54.5	52.6	51.5	51.3	51.5	51.5	51.5	51.3	49.5	
11	49.4	49.5	49.4	48.9	47.5	46.1	46.5	46.5	47.4	48.2	50.5	52.8	55.5	55.9	55.5	53.8	52.8	52.4	52.4	52.3	51.8	51.7	51.3	51.0	
12	49.3	47.6	47.9	48.3	48.5	47.5	47.5	47.7	47.5	47.5	50.2	53.2	55.8	58.5	58.8	57.0	55.0	54.2	52.5	51.5	51.3	51.5	51.3	49.5	
13	47.6	49.0	49.0	48.6	48.2	47.5	47.1	46.5	46.9	48.5	49.9	52.7	54.5	55.7	55.5	55.3	54.5	53.5	52.9	52.8	52.5	51.8	51.5	51.4	
14 **	47.9	47.9	48.8	53.7	48.9	50.0	50.3	47.5	47.1	48.5	50.1	53.6	54.4	54.5	56.0	56.4	54.2	53.5	52.5	51.3	51.0	51.1	50.3	49.7	
15	49.4	49.1	49.0	49.5	48.5	48.3	48.1	48.5	48.7	48.7	52.2	54.9	56.5	56.8	56.7	54.6	53.3	51.8	50.7	50.5	50.5	50.6	50.7	50.5	
16	50.1	50.1	50.0	48.6	48.4	47.4	47.2	47.4	47.4	48.0	49.0	52.4	53.5	53.9	54.2	54.5	54.5	53.4	53.2	51.4	48.2	47.4	48.9	49.2	
17	49.4	49.1	48.5	48.4	50.0	47.0	46.2	46.9	45.7	46.4	48.5	52.0	55.0	56.2	56.2	54.5	53.3	51.9	51.0	50.4	50.3	50.5	50.4	50.0	
18	50.5	45.0	46.5	49.2	46.0	45.9	44.9	44.4	44.6	46.2	48.8	51.0	53.7	56.8	57.4	56.0	54.7	52.6	52.0	51.4	51.1	50.4	49.5	48.4	
19	48.6	48.4	47.2	48.7	47.5	46.9	46.5	46.4	46.3	47.4	50.4	53.4	55.7	56.3	56.6	56.9	56.2	54.8	53.8	52.4	51.3	50.4	51.1	50.7	
20	50.5	48.7	48.4	47.7	47.4	46.5	47.4	46.8	46.4	46.3	48.0	50.1	52.0	53.3	53.0	52.0	52.4	51.8	51.2	50.4	50.7	50.7	50.6	49.8	
21	50.2	49.8	49.5	48.7	48.1	48.0	47.5	46.9	46.7	47.9	50.5	53.0	54.4	54.7	54.5	53.6	53.4	52.6	52.5	52.6	52.2	51.3	48.9	49.5	
22	48.1	48.0	48.5	48.5	48.0	46.8	46.2	47.0	47.5	48.1	50.0	52.4	53.5	53.5	53.3	53.2	53.0	52.4	51.5	51.1	51.0	51.0	50.8	50.1	
23	49.5	49.5	49.4	49.5	48.0	46.5	46.4	46.5	46.6	47.4	49.5	52.5	54.6	54.4	54.5	53.4	51.6	51.0	51.4	51.5	51.3	50.6	50.9	51.1	
24	51.5	49.2	46.7	47.4	47.1	49.5	51.1	50.8	49.4	49.5	51.2	53.5	55.6	56.5	56.2	55.2	54.3	53.5	52.5	50.6	50.6	51.4	51.2	50.2	
25 **	49.9	49.9	50.6	48.5	47.1	48.0	48.0	49.6	51.5	49.2	51.6	55.5	57.3	56.7	55.5	52.5	51.3	51.0	50.9	51.5	51.5	51.1	50.9	50.1	
26	47.5	48.1	46.7	47.5	47.5	45.5	45.6	46.6	48.4	50.6	52.1	54.5	56.5	53.9	52.3	52.0	51.5	52.0	52.1	51.5	51.0	50.5	49.5	50.3	
27 **	50.5	50.9	52.4	48.5	46.5	45.6	46.4	46.6	47.2	49.5	52.4	54.6	56.5	56.2	55.5	53.4	51.4	49.5	49.2	50.3	50.5	50.9	50.5	47.8	
28 **	46.5	48.3	48.2	48.5	53.5	48.8	46.3	45.3	45.5	48.5	52.4	57.1	57.5	57.4	57.6	57.0	53.6	48.7	50.5	50.6	50.5	49.5	50.5	49.5	
29	49.5	53.0	52.3	49.0	47.2	46.5	46.9	47.0	47.5	48.9	50.4	51.5	54.7	54.7	52.7	52.0	50.5	49.8	50.3	50.5	50.0	50.5	50.5	50.5	
30	50.5	46.1	46.7	47.5	46.9	46.3	45.9	45.8	46.1	47.5	50.4	53.6	55.9	56.2	54.5	54.3	52.5	51.5	51.0	50.9	51.0	50.5	50.4	48.8	
31	47.9	47.1	47.1	48.6	49.0	46.9	46.6	47.5	49.0	49.5	50.1	52.6	55.1	56.5	56.1	53.9	52.6	52.1	51.1	50.5	49.5	49.1	51.8	50.5	
Mean	49.4	49.1	49.1	49.0	48.2	47.4	47.0	47.0	47.3	48.2	50.5	53.2	55.1	55.6	55.4	54.4	53.3	52.3	51.8	51.4	51.0	50.8	50.6	50.1	
Mean *	50.2	50.0	50.3	50.0	49.0	47.1	46.5	46.5	47.2	48.9	51.1	54.1	56.2	56.2	55.6	54.5	53.1	52.0	51.4	51.4	51.4	51.0	50.8	50.1	
Mean **	48.5	49.4	50.3	50.0	49.0	48.8	48.4	47.4	47.6	48.7	51.4	54.9	56.4	56.6	56.5	54.9	52.8	50.8	50.8	50.8	50.8	50.6	50.6	49.6	
August	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	49.6	49.1	49.5	50.7	49.6	47.5	46.5	46.1	46.1	47.3	49.9	53.1	55.5	56.5	57.4	55.5	53.6	51.5	50.5	48.9	50.2	50.5	50.4	50.1	
2	49.3	49.4	50.2	52.6	51.2	47.5	46.4	46.4	46.0	46.9	50.3	52.5	53.5	54.5	55.0	54.1	53.2	52.5	50.6	49.4	50.1	49.8	49.3	48.6	
3 *	48.2	48.0	48.5	48.6	48.0	46.5	45.6	45.5	45.0	46.4	49.3	52.4	54.6	55.4	55.2	53.6	52.5	51.5	51.5	51.5	51.5	49.0	49.3	49.5	49.4
4 *	48.9	48.9	49.5	48.8	47.9	46.6	45.9	46.2	48.4	49.3	51.1	54.0	56.6	58.3	57.2	55.4	54.1	52.1	51.4	49.6	49.9	51.0	50.8	50.0	
5 *	49.6	49.7	50.8	50.5	48.1	47.0	46.9	47.5	47.9	49.2	50.8	53.1	55.5	55.5	54.8	53.9	53.3	52.9	51.9	49.5	50.5	50.7	46.8	45.4	
6 **	44.8	45.9	45.1	43.8	43.5	45.5	44.8	44.5	45.9	48.0	48.9	51.5	56.5	58.5	56.5	54.5	53.5	52.5	52.5	52.2	46.8	44.4	48.5	48.1	
7	47.8	49.3	49.7	48.5	48.1	47.1	46.5	45.5	46.3	48.5	51.8	54.5	54.5	55.3	56.3	52.5	53.7	53.0	50.5	46.3	47.3	50.5	50.5	49.5	
8 *	51.1	50.5	49.3	48.6	47.8	46.9	47.1	47.9	48.8	49.5	51.5	53.7	55.5	55.3	54.1	53.5	52.3	52.2	51.5	51.1	50.8	50.8	50.4	49.7	
9	49.5	48.9	49.6	48.1	47.1	46.5	45.9	45.7	45.5	47.1	49.8	52.5	55.5	55.5	53.5	51.5	51.6	51.5	51.3	49.5	48.9	49.4	49.2	48.8	
10	49.5	47.7	47.5	47.9	47.5	47.5	46.9	46.8	47.3	47.8	49.5	52.9	55.0	54.8	53.2	51.6	50.5	50.2	50.6	50.9	50.7	49.5	48.5	47.4	
11	46.9	47.7	49.3	47.6	45.7	46.0	46.3	47.4	47.3	48.1	51.2	54.5	55.5	54.7	53.8	52.2	51.1	50.6	50.4	50.4	50.1	49.5	49.7	49.5	
12	50.5	50.3	47.1	46.1	46.9	46.9	47.5	47.3	48.5	49.5	50.5	52.9	54.3	55.1	54.4	52.1	50.8	49.6	49.3	49.4	50.1	50.6	50.3	49.5	
13 *	49.6	49.6	49.1	48.6	48.0	48.1	47.6	46.9	47.3	49.6	51.6	53.6	55.9	55.6	53.4	51.3	49.6	48.9	49.6	50.6	51.2	50.9	50.6	50.6	
14	48.6	47.4	46.6	47.6	46.9	46.8	46.5	46.6	47.8	49.6	52.6	53.8	55.6	55.8	54.8	53.3	51.0	50.0	49.6	48.4	49.6	49.7	48.7	49.7	
15	48.6	47.9	47.6	46.8	47.0	46.6	45.6	45.0	45.6	46.9	49.9	53.4	55.6	56.4	55.6	54.4	52.2	51.0	51.6	46.6	50.0	50.8	49.7	47.6	
16	47.5	47.7	47.6	46.7	46.1	45.0	45.2	46.1	46.7	48.6	51.0	52.4	55.4	56.4	54.8	53.9	51.4	51.7	51.0	50.5	50.4	49.4	48.7	47.1	
17	48.4	48.7	48.1	48.1	47.7	46.7	46.7	46.7	49.1	52.1	52.0	53.9	55.7	54.7	53.7	52.7	51.3	50.4	49.3	50.5	50.9	50.7	49.0	48.5	
18	48.7	49.7	49.7	48.0	48.7	48.6	49.2	49.9	48.7	49.4	50.8	53.7	54.9	55.7	54.4	53.7	53.3	52.7	51.5	51.2	47.7	49.1	48.6	47.7	
19	50.6	52.3	47.8	47.3	47.8	47.0	45.9	45.7	44.7	46.4	50.5	53.2	55.1	55.7	54.7	53.7	51.2	50.7	49.6	48.8	50.5	50.7	50.5	49.9	
20	48.8	49.3	47.7	46.9	47.6	48.6	49.5	47.8	47.0	48.6	50.6	53.5	55.7	56.6	57.0	56.3	52.6	50.5	50.6	50.6	50.7	50.6	50.3	49.6	
21	48.8	48.5	47.6	48.6	49.5	48.6	51.6	52.0	50.4	49.6	52.0	51.6	53.1	54.0	53.9	53.0	52.0	51.6	50.9	50.6	49.8	49.9	49.1	48.8	
22 **	48.9	51.6	48.9	43.6	45.0	53.1	47.7	47.5	47.1	47.6	49.9	52.0	53.6	53.8	53.6	53.6	53.3	52.1	50.9	50.4	50.4	47.6	43.8	47.2	
23	48.8	50.4	47.0	46.9	47.7	47.6	46.7	45.8	45.7	47.0	49.9	53.1	56.8	57.4	54.9	53.2	52.4	51.5	50.9	48.6	44.6	49.0	49.8	50.5	
24 **	50.2	49.6	46.6	46.2	46.3	44.7	47.0	48.8	48.0	48.4	51.6	53.6	55.6	57.8	53.6	51.6	50.9	50.6	50.2	46.6	47.3	50.6	49.6	52.0	
25	50.9	47.6	47.6	47.8	47.6	47.9	47.8	47.6	47.6	49.6	52.1	54.3	55.6	54.6	53.0	51.6	51.0	50.4	49.8	50.4	50.6	50.3	49.5	49.1	
26 **	49.0	49.0	47.8	48.4	48.3	56.5	52.2	47.1	46.9	48.0	51.6	53.8	55.0	53.2	52.4	52.5	51.8	49.5	50.2	49.4	47.2	47.1	48.6	49.5	
27	50.6	47.8	41.5	45.6	46.4	46.8	46.3	46.0	45.8	48.5	51.2	54.0	55.0	55.6	54.8	52.8	51.0	50.2	48.0	45.6	48.6	49.9	49.6	52.2	
28	49.6	45.8	45.9	46.6	45.8	49.8	46.6	45.6	46.0	48.0	51.0	54.6	56.0	56.3	55.6	53.6	51.6	50.5	50.0	49.8	50.1	49.6	48.7	50.3	
29 **	47.6	47.0	47.6	51.4	50.0	47.1	48.5	47.7	47.6	50.6	51.9	54.0	56.9	56.6	53.6	51.6	50.6	50.0	49.0	48.0	50.6	49.6	50.6	48.6	
30	48.6	50.6	48.1	47.8	48.6	48.7	48.5	47.7	48.6	50.3	51.6	55.0	56.0	55.6	54.6	54.0	51.0	51.0	49.6	48.4	49.5	49.5	49.0	49.0	
31	48.3	48.6	48.0	47.8	47.8	47.6	46.9	46.5	47.0	47.8	50.6	53.5	55.6	55.7	55.6	54.6	53.7	52.0	48.5	49.6	50.6	48.6	48.6	47.6	
Mean	49.0	48.9	48.0	47.8	47.6	47.7	47.2	46.9	47.1	48.5	50.9	53.4	55.3	55.7	54.7	53.3	52.0	51.1	50.4	49.5	49.5	49.7	49.3	49.1	
Mean *	49.5	49.3	49.4	49.0	48.0	47.0	46.6	46.8	47.5	48.8	50.9	53.4	55.6	56.0	54.9	53.5	52.4	51.5	51.2	50.5	50.3	50.5	49.6	49.0	
Mean **	48.1	48.6	47.2	46.7	46.6	49.4	48.0	47.1	47.1	48.5	50.8	53.0	55.5	56.0	53.9	52.8	52.0	50.9	50.6	49.3	48.5	47.9	48.2	49.1	

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
September	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 **	47.6	50.2	49.8	48.4	46.9	49.6	47.6	45.6	45.8	47.6	49.6	52.5	56.1	58.2	57.8	56.6	49.7	51.0	50.3	44.7	44.6	41.3	42.8	45.0	
2	42.6	44.6	46.7	51.5	48.6	46.6	46.8	46.2	46.6	48.6	50.6	52.0	54.6	55.0	54.6	52.9	50.2	49.0	49.8	50.4	50.0	45.8	44.6	46.9	
3	46.6	47.8	47.5	47.6	47.6	47.8	48.0	48.6	48.0	49.5	53.1	56.6	55.6	57.5	57.6	53.0	54.3	52.2	50.4	42.6	43.9	47.2	45.5	49.6	
4	47.5	45.7	47.0	47.2	48.4	50.6	47.6	46.5	46.3	47.6	50.7	55.1	56.0	56.9	55.2	54.6	51.1	50.6	50.6	50.1	49.6	49.6	48.1	48.5	
5	47.2	49.0	46.6	49.3	50.3	48.1	47.9	48.0	46.6	48.5	52.6	55.6	57.6	55.6	53.9	51.6	51.4	49.8	48.9	49.3	49.9	50.0	49.4	48.0	
6	49.0	48.6	47.6	48.6	48.0	47.9	48.8	47.6	47.4	49.4	52.4	54.6	55.6	54.8	53.6	53.3	51.9	53.6	50.6	35.1	46.6	43.0	43.6	44.6	
7	46.9	46.3	48.5	50.7	49.1	47.9	45.7	46.0	46.4	46.7	49.9	52.1	54.3	54.6	53.1	51.7	49.3	43.9	45.7	49.7	46.7	46.5	47.2	49.6	
8 *	52.0	49.0	49.9	48.7	47.6	47.3	46.6	45.7	45.9	47.4	50.4	53.7	55.6	54.4	52.8	51.5	49.2	48.0	44.3	49.0	49.9	49.7	49.7	49.7	
9	49.6	49.3	49.1	51.9	51.6	47.8	46.8	48.2	48.7	48.7	51.5	54.5	56.3	56.7	54.4	52.2	51.1	50.4	49.5	48.7	48.7	47.7	49.1	48.3	
10	49.0	48.8	48.0	46.8	48.6	48.9	48.2	47.1	46.2	48.3	51.0	54.0	55.0	54.8	53.8	51.8	50.8	50.2	49.8	49.6	49.3	48.8	48.5	48.8	
11	48.8	47.8	47.3	49.0	49.0	46.8	47.3	46.8	46.8	47.7	50.4	53.8	55.7	54.7	53.9	52.2	51.7	46.8	47.8	47.2	47.7	44.5	46.8	48.0	
12 *	48.8	49.2	48.8	48.6	48.0	47.8	47.8	48.1	48.2	50.7	53.6	55.8	56.8	55.1	54.2	52.4	51.0	50.4	50.1	48.8	47.8	48.0	49.5	50.2	
13 *	48.8	48.0	48.0	47.3	47.7	47.7	47.0	47.0	47.8	49.3	51.8	53.7	55.4	53.9	52.0	50.9	49.8	49.9	49.9	50.1	50.4	50.7	44.1	41.9	
14 **	43.9	43.8	45.2	44.2	52.9	44.4	45.3	45.8	46.0	47.8	51.9	55.6	58.9	58.0	58.0	55.2	52.7	49.9	49.4	47.8	48.4	45.1	43.0	46.6	
15	46.9	47.9	48.3	49.7	49.2	48.0	46.9	46.6	46.8	51.7	57.2	58.7	59.1	58.9	57.8	51.9	52.4	50.2	48.4	48.8	48.8	48.6	48.2	48.6	
16	51.9	50.3	46.0	48.7	51.5	47.9	51.3	50.7	48.8	48.2	51.3	53.3	56.7	57.5	55.8	54.7	52.8	50.3	45.2	47.9	48.5	45.4	45.8	46.4	
17	45.8	48.4	45.7	47.1	47.8	47.9	47.4	46.8	47.0	47.3	49.5	52.1	54.5	55.0	54.4	52.8	51.5	51.1	50.3	49.3	43.4	42.7	46.8	45.2	
18	46.2	45.9	47.7	47.8	48.5	48.7	47.7	46.9	47.6	48.3	50.0	52.9	54.6	55.8	55.3	53.3	51.7	49.7	44.8	43.8	47.8	47.8	47.4	47.3	
19 *	47.7	48.3	48.1	48.7	48.4	49.8	47.4	46.3	46.3	46.9	48.9	51.7	53.9	54.8	53.7	51.7	51.0	49.8	43.7	44.8	43.9	45.3	48.8	49.4	
20 **	49.1	48.5	50.3	52.7	50.3	49.7	47.7	46.7	46.7	48.6	51.6	55.4	57.1	55.2	56.3	54.1	48.2	42.9	39.4	41.7	44.6	46.2	44.7	50.7	
21 **	49.2	49.1	46.7	49.7	48.7	51.1	50.7	48.2	48.4	48.7	51.7	53.8	53.5	52.7	53.1	51.2	45.2	45.1	41.4	41.4	46.3	49.5	48.3	48.7	
22	47.6	49.1	45.7	46.7	47.7	47.7	46.8	46.4	45.8	46.7	49.5	52.1	52.6	52.8	49.0	50.7	50.6	48.7	47.8	46.7	49.0	48.7	48.7	48.2	
23 *	48.6	48.0	47.8	47.6	47.6	48.4	48.4	47.6	48.6	50.3	51.6	52.2	53.6	52.7	51.6	50.6	50.4	49.6	48.6	47.0	48.0	48.2	48.6	48.7	
24	48.5	48.9	49.5	47.8	47.9	49.0	48.2	46.9	46.4	47.3	50.5	52.0	53.6	53.5	53.5	52.9	51.8	51.5	51.3	50.5	49.5	44.2	40.4	43.4	
25	46.4	46.3	48.0	47.4	45.4	46.8	47.8	47.7	47.3	47.6	49.2	52.7	54.1	52.5	54.0	48.3	46.4	49.3	49.9	48.0	40.4	46.9	48.2	48.4	
26	50.4	48.5	48.9	49.4	48.3	48.2	47.0	45.8	46.4	48.2	50.6	54.1	54.8	55.8	52.4	50.4	50.3	49.8	46.0	48.4	48.0	48.0	47.9	47.4	
27	47.8	48.4	47.9	48.2	48.4	47.6	47.0	46.1	45.4	46.6	49.8	52.4	53.5	53.5	53.4	52.5	51.8	50.4	43.1	45.4	45.3	44.8	48.2	48.2	
28	46.6	42.8	50.2	45.4	44.2	47.9	49.3	49.4	49.2	48.8	50.4	52.3	53.4	54.9	53.8	51.0	51.4	50.8	50.2	49.4	48.9	48.2	45.3	46.1	
29 **	45.1	46.3	52.3	47.7	47.7	48.4	48.3	48.6	48.3	47.6	49.7	51.3	53.5	54.3	56.2	54.0	52.3	39.6	48.0	47.4	43.6	30.1	38.3	43.0	
30	46.5	47.2	47.3	47.8	50.4	51.8	54.5	51.8	50.3	49.1	48.3	49.3	51.2	51.6	52.1	52.0	51.2	48.3	48.7	41.5	45.2	47.9	47.7	45.6	
Mean	47.8	47.7	48.0	48.4	48.5	48.3	47.9	47.3	47.2	48.3	51.0	53.5	55.1	55.1	54.2	52.4	50.8	49.1	47.8	46.8	47.2	46.3	46.5	47.4	
Mean *	49.2	48.5	48.5	48.2	47.9	48.2	47.4	46.9	47.4	48.9	51.3	53.4	55.1	54.2	52.9	51.4	50.3	49.5	47.3	47.9	48.0	48.4	48.1	48.0	
Mean **	47.0	47.6	48.9	48.5	49.3	48.6	47.9	47.0	47.0	48.1	50.9	53.7	55.8	55.7	56.3	54.2	49.6	45.7	45.7	44.6	45.5	42.4	43.4	46.8	
October	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 **	42.2	41.5	43.4	51.4	53.7	50.1	47.6	52.9	52.3	51.9	51.3	50.3	52.3	53.3	52.8	51.9	50.7	37.9	45.2	47.8	46.9	49.1	48.3	47.2	
2	47.9	49.8	51.4	48.8	48.1	51.4	47.3	45.9	45.1	45.3	46.8	49.3	51.7	53.0	53.8	52.9	51.1	50.2	49.3	48.4	47.4	46.7	40.7	40.9	
3 **	43.9	50.3	43.4	42.3	47.1	49.7	49.4	51.3	49.7	47.3	47.3	49.3	51.4	53.7	53.9	50.3	50.1	49.1	50.3	48.6	46.4	39.3	37.3	40.6	
4	35.7	45.4	42.2	47.1	47.2	48.2	49.8	49.2	46.7	46.8	48.3	50.4	52.8	53.7	53.2	52.1	48.2	49.4	48.9	47.9	45.3	47.3	47.2	48.5	
5	47.4	47.7	47.4	48.2	49.3	49.3	48.3	47.0	45.3	45.8	46.7	49.5	52.2	53.3	52.8	51.4	50.1	48.3	50.1	49.2	42.4	45.7	46.8	48.2	
6	47.3	48.2	47.8	48.4	50.7	52.4	50.3	48.4	48.1	49.1	51.1	52.0	54.1	52.8	55.2	53.3	51.3	44.2	50.4	49.3	49.0	46.4	47.0	47.8	
7	47.3	47.4	47.8	49.3	48.3	48.3	48.3	47.2	46.8	47.3	49.0	51.8	53.7	53.3	52.7	49.9	51.2	45.1	49.2	48.3	48.3	48.4	47.6	47.2	
8	48.8	49.2	46.2	46.5	47.6	48.7	49.3	48.6	47.6	47.5	48.2	50.2	52.2	52.3	53.1	52.9	51.7	50.8	48.6	46.6	48.2	47.8	49.2	47.8	
9 *	46.2	46.4	46.3	46.5	47.2	48.8	49.3	49.2	47.6	47.2	47.3	49.2	50.6	51.0	50.6	50.1	49.4	49.6	49.2	49.0	48.8	47.6	47.7	48.4	
10 *	47.9	47.1	47.3	49.6	48.1	47.8	47.4	47.1	45.8	45.8	48.6	51.2	52.8	53.1	51.9	50.5	49.2	48.9	48.4	46.5	47.9	48.1	47.9	48.2	
11	49.1	46.8	45.8	46.1	46.7	46.6	48.1	48.0	46.6	46.1	47.7	50.1	51.9	52.1	51.1	50.5	49.9	49.5	49.0	48.1	48.5	48.1	48.1	48.1	
12 *	47.9	47.8	47.9	48.0	48.1	48.0	47.7	46.5	45.2	45.6	48.1	51.2	53.1	53.3	52.2	51.2	50.5	50.1	49.4	49.0	48.3	48.1	48.1	48.1	
13 *	48.2	48.2	48.3	48.3	48.2	48.2	47.8	46.2	45.2	45.9	49.0	52.2	54.1	53.7	52.3	51.2	50.6	50.0	49.2	49.0	48.8	48.3	48.1	47.2	
14	47.0	47.8	47.3	47.8	48.3	48.2	48.2	47.1	45.4	45.7	48.1	51.4	54.2	55.0	54.1	52.2	50.6	49.8	48.0	47.8	42.2	43.2	46.0	46.8	
15 *	47.2	47.4	48.2	48.7	48.0	47.6	47.9	46.4	45.6	46.2	48.9	52.3	54.1	54.0	53.0	51.6	50.8	50.0	49.4	49.2	48.8	48.3	48.1	47.5	
16	48.4	47.2	48.0	48.2	48.2	48.2	48.2	47.2	46.4	46.8	48.3	51.3	52.8	53.4	54.2	54.0	52.7	51.1	46.2	49.2	48.2	46.2	47.0	48.1	
17	48.0	49.3	47.3	48.3	49.1	48.2	47.7	47.2	46.3	47.3	48.8	50.5	52.2	52.4	52.2	51.3	50.5	50.2	49.4	48.6	47.4	43.3	43.4	44.4	
18 **	46.3	45.7	40.5	47.2	45.4	47.1	51.5	51.3	47.7	46.6	50.3	52.7	53.2	57.9	53.2	51.3	37.2	43.3	51.1	49.3	48.7	48.4	48.2	46.6	
19	47.2	47.7	47.3	50.7	49.3	48.7	47.7	47.2	46.7	47.2	49.0	50.6	51.1	53.0	53.5	50.8	50.1	45.1	45.3	48.3	47.8	47.7	46.3	46.0	
20	46.4	47.5	49.4	48.3	47.3	47.8	48.4	51.3	54.2	52.1	51.7	53.3	52.3	51.7	51.2	50.4	49.1	48.1	47.0	46.7	45.4	47.1	48.9	45.3	
21	45.4	45.6	46.8	47.4	47.7	47.7	48.3	48.4	48.3	48.6	50.4	53.1	53.2	52.4	51.6	50.1	49.6	48.8	48.7	47.3	47.2	47.2	47.8	47.8	
22	47.4	47.8	47.4	47.4	47.4	48.3	49.2	49.2	48.8	49.2	50.8	51.7	53.4	53.5	52.0	49.8	49.8	51.3	46.8	45.6	45.8	41.4	40.3	37.5	
23 **	39.4	43.0	44.6	44.3	46.5	47.1	46.7	46.3	47.7	49.3	52.1	55.3	57.0	55.9	54.4	53.9	49.8	49.4	43.5	42.4	40.8	36.9	36.1	33.4	
24 **	30.8	34.4	37.4	44.2	53.2	55.4	58.3	57.4	52.8	49.5	51.8	53.0	57.2	59.1	55.0	57.5	45.2	46.5	50.2	46.5	41.6	46.5	47.1	47.2	
25	48.3	44.1	45.3	44.8	45.1	47.1	48.2	47.8	47.1	48.5	49.5	51.4	54.3	52.3	51.4	49.2	49.1	48.5	46.6	47.4	47.3	47.3	46.3	46.2	
26	45.8	47.5	48.6	48.2	48.1	48.1	47.9	47.6	47.0	47.1	48.7	51.7	53.2	52.8	52.0	51.2	50.1	49.8	44.3	42.2	46.3	46.9	47.2	47.7	
27	48.2	48.6	48.2	48.8	48.8	48.5	47.3	46.0	46.3	47.7	51.7	51.8	53.2	53.1	52.8	50.7	49.1	48.7	48.3	47.6	46.6	46.8	46.6	46.7	
28	48.2	47.1	49.2	48.4	49.2	48.2	47.3	46.2	45.8	46.2	48.6	51.3	52.2	51.5	50.7	49.2	47.5	48.8	48.6	47.4	47.2	46.2	46.8	47.4	
29	47.3	47.6	47.6	48.1	48.1	48.1	48.2	47.1	46.1	45.6	48.3	50.2	52.4	52.5	51.1	49.8	49.6	49.3	49.2	49.2	48.2	48.3	44.2	41.3	
30	41.4	43.6	41.9	48.5	50.2	47.9	48.9	46.8	45.4	45.7	47.9	51.0	53.2	54.3	53.3	52.3	50.3	49.3	48.6	47.4	44.4	40.3	44.3	45.3	
31	45.4	46.8	47.5	48.6	48.3	47.6	48.9	47.3	45.5	46.3	46.9	50.0	52.1	52.3	52.9	52.3	51.4	50.3	49.3	47.2	42.8	38.1	43.3	46.3	
Mean	45.7	46.6	46.4	47.7	48.3	48.6	48.7	48.2	47.3	47.3	49.1	51.3	53.0	53.4	52.7	51.5	49.6	48.4	48.3	47.6	46.5	45.8	45.9	45.8	
Mean *	47.5	47.4	47.6	48.2	47.9	48.1	48.0	47.1	45.9	46.1	48.4	51.2	52.9	53.0	52.0	50.9	50.1	49.7	49.1	48.5	48.5	48.1	48.0	47.9	
Mean **	40.5	43.0	41.9	45.9	49.2	49.9	50.7	51.8	50.0	48.9	50.6	52.1	54.2	56.0	53.9	53.0	46.6	45.2	48.1	46.9	44.9	44.0	43.4	43.0	

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
November	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 **	47.3	47.3	49.4	51.2	48.9	49.3	50.1	47.6	46.6	46.7	48.7	51.4	53.6	55.4	53.8	45.0	52.7	51.7	43.5	43.1	33.7	42.1	45.1	45.5	
2 **	43.2	47.3	44.3	46.3	50.1	53.0	48.9	48.3	47.3	47.3	47.8	50.0	53.2	50.3	50.9	51.3	50.3	49.3	43.3	44.2	45.2	42.5	42.3	41.6	
3 **	44.7	49.2	49.2	49.1	50.2	52.9	51.2	49.2	48.2	47.8	50.2	51.4	52.2	51.3	50.2	46.2	46.3	48.7	49.1	48.2	45.8	47.0	46.8	47.4	
4	47.9	47.7	47.2	47.4	47.8	48.3	48.1	47.2	46.5	46.8	48.3	49.5	51.2	51.3	49.7	48.3	45.7	45.7	48.2	48.2	48.0	48.1	48.2	46.7	
5	44.6	45.8	46.8	46.4	47.0	47.3	47.6	47.2	46.5	47.2	49.0	51.2	51.4	51.3	50.1	48.2	48.2	47.8	47.1	46.6	47.8	47.7	48.1	47.8	
6	48.5	46.5	46.6	46.2	47.1	48.2	50.2	48.8	47.2	47.0	48.8	50.3	51.2	50.7	49.7	49.2	49.2	48.2	40.9	45.8	45.4	44.3	46.0	46.4	
7	47.3	49.3	48.4	47.8	47.8	47.9	47.9	47.3	46.4	46.4	48.3	50.2	51.1	51.3	50.3	49.3	48.9	49.1	48.5	48.1	47.7	47.8	47.8	48.2	
8	48.0	49.2	48.0	48.3	47.9	48.4	48.4	48.0	46.8	46.6	48.4	51.0	52.3	52.3	51.7	50.9	50.6	49.8	49.2	48.4	44.4	46.3	46.8	47.3	
9 *	47.5	47.5	47.2	48.2	48.3	47.9	47.9	47.4	46.5	47.1	48.5	50.4	51.8	51.8	50.5	50.1	49.3	49.3	49.1	47.2	47.5	47.3	47.9	47.3	
10 *	47.3	46.2	47.3	47.8	48.3	48.3	48.4	47.4	46.9	47.3	48.8	50.6	51.9	51.8	50.3	49.4	49.2	49.2	48.8	48.2	47.6	47.3	47.8	47.8	
11	48.1	48.2	48.6	49.3	49.1	48.3	48.2	47.9	47.2	47.0	48.9	51.2	53.3	54.1	51.6	50.9	50.2	49.1	45.7	47.3	47.1	47.3	47.5	48.0	
12	48.3	48.2	48.6	48.0	48.5	47.6	47.2	46.6	45.8	46.1	48.2	51.3	53.3	54.1	52.7	50.2	49.2	49.2	49.6	47.2	47.1	46.1	46.1	47.2	
13	47.7	48.2	49.0	48.5	48.6	48.1	48.2	47.7	46.4	46.6	48.2	49.9	51.0	51.3	50.7	50.0	49.9	49.2	49.1	48.2	47.8	46.7	45.2	45.1	
14	45.4	44.7	46.7	48.2	48.6	48.1	47.3	47.2	46.3	46.2	47.3	49.2	50.5	51.5	51.1	51.3	51.5	50.9	50.3	48.3	47.8	47.0	46.4	46.5	
15 *	45.8	47.2	47.7	47.9	48.3	48.6	48.6	48.1	47.8	47.7	48.5	48.8	49.5	50.0	49.8	49.4	49.6	49.1	49.2	48.8	47.6	47.9	47.7	47.2	
16 *	47.0	47.0	47.4	47.9	48.1	48.3	48.4	48.1	47.2	47.2	48.6	50.1	50.9	50.7	49.6	49.1	49.1	49.1	49.1	49.1	48.2	48.1	48.1	47.9	
17 *	48.0	48.1	47.7	48.1	48.2	48.5	48.6	48.4	48.7	48.4	49.4	49.9	50.1	50.1	49.7	49.1	49.0	48.8	49.1	48.5	48.3	48.1	48.1	47.6	
18	47.2	47.7	47.3	47.3	47.9	48.1	48.2	48.1	48.1	48.6	49.7	50.3	51.0	51.1	50.9	50.8	50.2	50.3	51.0	50.1	49.1	48.7	48.5	47.7	
19	46.4	47.0	46.1	49.4	46.9	45.8	47.9	48.0	48.0	48.4	49.1	50.0	50.6	50.5	49.5	50.0	49.4	50.0	50.0	47.6	46.1	43.9	45.4	46.5	
20 **	46.9	47.0	46.0	45.8	46.4	46.6	47.5	48.0	49.9	49.5	51.0	53.1	53.4	53.0	52.5	51.5	48.1	45.9	46.1	44.8	44.4	46.0	46.5	46.6	
21	46.6	47.3	49.0	47.0	47.0	46.7	46.8	47.0	46.9	48.0	49.0	50.0	50.6	49.4	48.4	49.0	48.3	48.0	47.7	47.6	47.6	47.0	44.4	47.0	
22	48.0	46.9	47.0	47.3	48.0	48.0	48.0	47.6	47.0	47.4	48.5	50.0	50.6	50.4	49.1	48.8	48.5	48.1	48.0	47.1	47.3	46.9	46.1	47.0	
23	47.2	47.5	48.3	48.4	47.4	47.6	48.1	47.1	46.6	46.9	48.1	49.7	51.4	52.1	51.9	52.7	53.0	51.0	45.5	41.4	43.4	43.2	45.8	46.4	
24	47.2	47.9	47.7	48.7	48.2	47.3	47.7	47.4	47.0	47.6	48.5	50.0	50.8	50.0	49.9	49.0	48.4	48.4	48.1	44.0	47.0	47.2	47.7	47.9	
25	48.0	47.9	48.0	48.9	48.9	47.9	47.7	47.6	47.5	47.9	49.0	50.0	51.3	51.0	50.2	50.0	49.5	49.0	48.9	48.1	47.5	46.8	45.8	43.0	
26	47.0	47.8	48.2	48.0	48.1	48.1	48.2	47.9	47.1	47.0	49.0	50.8	51.2	52.0	51.1	49.7	48.8	48.0	47.9	47.7	46.9	46.3	45.9	44.8	
27	45.4	47.3	47.3	47.2	48.0	48.0	47.6	48.0	48.0	48.0	49.4	50.0	50.5	50.5	49.9	50.0	48.4	48.3	48.4	42.9	47.8	47.9	47.4	47.6	
28	47.5	47.8	47.9	48.6	48.2	48.0	47.8	47.8	47.5	47.4	48.6	49.7	50.9	51.9	50.4	49.0	49.0	48.6	48.1	47.2	46.5	45.5	44.5	47.9	
29	47.2	47.4	47.2	47.5	47.5	48.1	48.1	48.2	48.1	48.6	49.1	49.9	49.6	49.4	48.6	45.0	50.1	48.7	48.4	47.0	46.2	46.4	46.0	46.0	
30 **	44.5	46.0	47.0	46.5	51.9	51.7	49.0	47.9	47.0	47.8	49.2	50.8	50.6	50.5	50.0	49.1	49.2	46.0	43.9	45.2	46.9	46.9	46.4	46.4	
Mean	46.9	47.4	47.6	47.9	48.2	48.4	48.3	47.8	47.2	47.4	48.8	50.4	51.4	51.4	50.5	49.4	49.3	48.8	47.7	46.9	46.5	46.5	46.5	46.7	
Mean *	47.1	47.2	47.5	48.0	48.2	48.3	48.4	47.9	47.4	47.5	48.8	50.0	50.8	50.9	50.0	49.4	49.2	49.1	49.1	48.4	47.8	47.7	47.9	47.6	
Mean **	45.3	47.4	47.2	47.8	49.5	50.7	49.3	48.2	47.8	47.8	49.4	51.3	52.6	52.1	51.5	48.6	49.3	48.3	45.2	45.1	43.2	44.9	45.4	45.5	
December	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	46.4	46.9	47.0	47.2	48.1	47.6	48.0	47.6	47.1	47.5	48.9	49.4	50.0	49.1	48.6	48.0	48.4	48.0	48.1	48.1	47.3	46.6	46.6	47.4	
2	47.8	47.9	47.5	47.4	48.0	48.0	48.0	48.0	47.5	48.2	49.3	49.8	50.6	50.0	49.0	48.7	48.3	47.0	47.9	47.6	46.9	46.7	46.3	47.7	
3	47.9	46.6	47.2	47.5	47.7	47.7	48.1	48.2	48.3	48.8	49.1	50.1	50.1	50.1	49.1	49.1	48.6	48.5	48.2	47.7	47.0	47.8	46.1	46.7	
4	47.6	47.3	47.7	47.9	48.1	48.2	48.7	48.6	48.2	48.6	48.6	50.1	50.6	51.2	50.7	49.7	49.1	48.8	49.1	48.6	47.9	47.1	47.1	47.1	
5	47.0	46.1	47.1	47.0	47.5	48.1	48.0	48.1	48.0	48.2	48.8	49.2	49.6	49.1	49.1	48.1	47.9	47.0	47.7	47.8	47.3	47.0	46.2	47.0	
6	47.1	47.2	46.9	47.2	47.9	47.8	48.2	48.1	48.0	48.2	49.5	50.6	50.8	50.7	49.9	49.2	49.1	48.3	48.5	48.2	47.0	47.5	46.4	46.7	
7 **	48.8	47.9	47.5	48.0	48.3	48.0	49.0	49.0	48.4	47.6	48.0	49.0	49.9	49.6	49.3	49.5	49.0	49.0	48.5	45.4	46.2	44.5	46.0	46.9	
8	47.4	47.4	48.0	48.1	48.9	48.6	48.0	47.5	47.4	47.8	48.9	50.0	51.1	51.0	50.8	49.6	49.0	48.9	48.3	48.0	47.5	46.8	46.5	46.9	
9	47.3	47.2	48.5	48.1	48.0	48.5	48.8	48.2	48.8	49.0	49.2	49.9	50.9	50.3	49.5	49.0	48.8	48.5	48.0	47.5	47.0	47.3	46.9	47.0	
10 *	47.2	47.5	47.6	48.0	48.0	47.6	47.4	47.2	47.5	47.4	48.5	48.4	49.9	50.0	49.5	48.9	48.4	48.9	48.1	47.4	46.6	47.3	47.0	47.0	
11 *	47.5	47.5	47.4	47.8	47.9	48.0	48.1	47.9	47.9	48.3	49.3	49.9	50.0	49.8	48.9	48.9	48.9	48.5	48.2	47.9	47.6	47.9	47.9	47.3	
12	47.2	47.8	47.9	48.0	48.8	47.9	47.8	47.6	48.0	48.2	48.8	49.4	50.0	51.3	50.7	50.0	50.3	51.9	51.3	47.1	46.6	45.8	44.8	42.3	
13	45.3	45.8	46.4	47.3	47.7	48.4	48.2	47.8	47.8	48.0	48.9	48.8	49.0	49.0	48.8	49.4	48.5	48.8	48.3	46.6	46.5	43.8	44.7	43.8	
14 *	45.3	45.8	46.3	46.7	47.1	47.8	47.8	47.8	47.9	48.3	48.8	48.8	48.9	48.9	48.9	48.8	48.5	48.2	47.6	47.3	46.9	46.7	46.7	46.2	
15 *	46.6	46.6	46.4	46.7	46.9	47.3	47.7	47.7	47.8	48.3	49.3	49.9	49.8	48.8	48.3	48.2	48.1	48.1	47.7	47.6	47.2	46.8	47.2	47.0	
16 *	46.8	46.8	47.4	47.6	47.8	47.8	48.2	47.9	47.8	48.5	49.4	48.8	48.8	48.8	48.8	48.8	48.7	48.7	48.3	47.8	47.7	47.4	47.3	47.2	
17 **	46.7	46.8	48.2	47.6	48.4	47.8	48.9	52.9	53.3	54.8	52.1	52.7	52.8	51.7	50.5	50.9	50.8	48.6	48.4	47.8	47.4	47.1	45.0	43.8	
18 **	44.9	42.0	42.4	45.3	48.8	46.5	47.8	48.2	47.9	48.5	48.2	48.8	49.6	50.0	48.7	48.2	48.7	46.8	47.4	47.3	46.3	45.5	42.4	43.6	
19	45.8	45.9	46.8	47.4	47.7	47.7	47.7	47.3	47.0	47.8	48.6	48.5	48.9	49.4	49.2	47.9	47.8	47.8	47.1	45.6	44.8	44.8	44.7	45.8	
20 **	46.4	47.3	47.8	47.8	48.0	48.9	49.4	48.8	48.3	48.4	48.9	49.5	51.1	51.1	50.2	49.9	49.3	49.0	48.4	47.3	46.9	44.9	44.9	45.9	
21	46.0	46.9	47.6	47.9	48.3	48.8	48.9	48.5	48.3	49.0	49.8	49.4	49.9	49.8	48.9	48.7	48.4	47.9	47.2	47.7	47.1	46.9	45.9	45.9	
22	47.4	47.1	46.1	47.3	48.0	48.3	48.9	48.6	48.6	47.9	48.4	49.4	49.9	48.9	48.0	48.5	48.0	47.9	47.3	46.8	46.8	46.9	47.3	47.2	
23	47.4	47.0	47.0	47.6	47.4	47.8	48.0	48.0	47.9	47.9	48.6	49.8	50.2	49.3	48.8	48.7	49.3	49.4	49.5	48.0	47.4	47.5	47.1	47.3	
24	46.9	46.1	46.7	46.8	46.7	47.7	47.6	47.9	48.5	48.9	49.4	49.7	49.5	48.0	47.6	48.0	48.0	47.9	48.0	47.8	46.8	47.2	47.0	47.4	
25	47.6	47.9	48.0	48.4	48.3	47.9	47.4	47.2	47.7	47.9	48.3	49.1	48.9	48.0	47.9	47.9	48.5	48.0	46.0	47.5	46.3	45.9	46.8	47.0	
26	47.7	46.9	47.4	47.8	47.8	47.8	47.5	47.0	47.4	47.8	47.9	47.9	47.6	46.9	47.5	48.0	48.6	48.1	48.0	48.0	47.5	47.0	47.1	46.9	
27 **	46.2	41.8	40.4	45.8	47.7	48.0	47.8	47.0	46.8	46.7	47.0	48.8	50.0	50.8	49.3	49.6	48.8	47.2	46.6	46.3	45.3	43.3	45.2	44.0	
28	44.2	45.2	44.6	46.9	49.5	47.8	47.8	47.4	47.3	47.8	48.8	49.8	50.3	49.5	48.7	49.0	47.2	47.9	47.6	46.8	46.6	46.7	46.8	46.8	
29	46.8	46.6	47.1	47.7	47.5	47.8	48.0	47.6	47.7	47.8	47.8	48.2	48.4	47.9	47.3	47.1	48.4	47.8	46.9	45.4	45.8	45.9	46.3	46.7	
30	46.5	46.6	46.8	47.2	47.4	47.4	47.8	47.8	48.2	48.9	50.5	50.9	50.7	47.9	46.7	47.6	47.5	47.7	47.3	46.6	46.7	46.0	45.8	45.0	
31	45.3	46.1	47.1	46.2	46.8	47.2	47.3	47.0	47.4	48.1	49.6	50.7	50.5	48.2	46.4	46.8	47.7	48.6	47.9	46.9	46.3	46.7	46.5	46.4	
Mean	46.7	46.5	46.8	47.4	47.9	47.9	48.1	48.0	48.0	48.4	48.9	49.5	49.9	49.5	48.9	48.7	48.6	48.3	48.0	47.3	46.8	46.4	46.2	46.3	
Mean *	46.7	46.8	47.0	47.4	47.5	47.7	47.8	47.7	47.8	48.2	49.1	49.2	49.5	49.3	48.9	48.7	48.5	48.5	48.0	47.6	47.2	47.2	47.2	46.9	
Mean **	46.6	45.2	45.3	46.9	48.2	47.8	48.6	49.2	48.9	49.2	48.8	49.8	50.7	50.6	49.6	49.6	49.3	48.1	47.9	46.8	46.4	45.1	44.7	44.8	

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
January	18000 γ + Tabular Quantities (in γ)																								
1	706	715	712	712	711	716	718	726	720	710	708	710	719	720	719	720	720	720	722	719	715	716	712	708	
2 **	710	703	714	717	715	715	714	721	723	721	707	702	703	707	677	685	704	695	691	691	705	707	697	704	
3	711	702	703	703	701	707	711	711	707	702	707	705	708	711	709	707	707	709	709	709	709	710	707	713	
4 *	709	709	710	709	710	711	712	713	713	709	709	709	713	716	717	717	718	717	715	714	716	715	713	711	
5	711	711	712	713	715	717	718	717	716	716	717	720	725	727	725	722	717	719	716	707	700	721	703	697	
6	705	701	703	703	709	720	721	716	714	715	713	711	711	715	718	713	711	713	712	709	710	707	704	706	
7	708	709	709	711	713	719	721	716	715	715	713	717	724	724	720	711	693	693	693	697	704	707	710	709	
8	714	726	713	715	718	719	721	722	710	699	704	707	707	710	715	717	717	717	713	707	707	712	707	717	
9	715	705	707	713	717	718	721	721	717	717	720	723	722	717	717	718	717	717	717	714	715	718	714	720	
10 *	711	712	713	716	713	713	714	716	713	708	714	717	714	714	721	720	719	718	716	717	717	719	714	715	
11	713	713	717	717	721	721	723	728	723	721	717	723	721	719	723	720	717	711	711	714	710	711	717	714	
12	708	714	711	714	721	727	729	729	731	733	716	712	721	719	720	691	697	697	681	682	699	708	707	706	
13	701	703	704	702	707	714	709	722	719	717	709	707	717	717	716	713	714	717	717	713	708	705	713	720	
14	713	713	713	713	715	721	724	727	723	723	723	722	722	721	721	724	727	722	707	711	711	717	711	707	
15	706	712	714	713	715	722	724	721	721	723	717	711	708	711	720	717	717	717	716	712	707	708	707	726	
16	714	707	712	713	717	718	719	721	718	716	718	717	717	717	720	720	718	717	694	701	709	709	711	713	
17	711	712	714	717	717	715	717	718	721	721	721	714	712	717	720	713	711	697	697	710	707	715	714	714	
18	710	711	717	714	717	720	717	721	724	723	723	721	721	710	707	707	715	721	714	720	715	707	744	706	
19 **	688	702	701	699	701	711	712	713	705	703	705	711	710	711	713	710	703	674	683	671	667	687	691	689	
20 **	686	687	704	701	699	702	703	701	717	707	710	699	709	707	710	698	697	687	697	707	712	701	706	711	
21 **	719	697	699	700	704	719	719	721	712	707	701	697	692	697	704	705	710	704	703	707	701	710	717	721	
22	711	706	705	727	717	711	726	711	709	702	707	711	716	717	706	711	707	711	712	707	707	706	709	712	
23 **	707	707	712	711	711	711	713	705	692	706	702	693	703	708	709	709	700	704	704	705	707	707	713	707	
24	710	707	708	707	710	713	712	709	712	709	708	706	707	713	713	711	709	712	715	717	714	713	713	714	
25	711	712	711	713	715	717	718	718	717	714	712	712	713	713	717	718	711	709	707	713	713	713	715	712	
26 *	711	718	709	711	717	717	721	722	717	711	705	707	711	717	719	717	714	713	712	713	712	714	714	710	
27	714	721	718	718	719	724	723	723	722	718	718	714	712	712	718	715	711	712	718	716	722	720	716	714	
28 *	712	713	721	718	722	722	724	728	734	733	722	721	722	721	718	716	721	724	722	720	718	718	718	717	
29 *	715	715	717	717	717	723	728	729	723	721	716	716	720	723	723	720	713	716	720	720	723	725	725	720	
30	718	719	719	718	719	719	719	719	723	725	724	719	715	713	715	714	719	716	715	714	713	709	709	709	
31	711	709	709	709	713	721	724	726	723	719	716	713	713	715	715	714	699	713	714	714	709	706	709	705	
Mean	709	709	711	712	713	717	719	719	717	715	713	712	714	715	715	713	711	710	708	709	709	711	712	711	
Mean *	712	713	714	714	716	717	720	722	720	716	713	714	716	718	720	718	717	718	717	717	717	718	717	715	
Mean **	702	699	706	706	706	712	712	712	710	709	705	700	703	706	703	701	703	693	696	696	698	702	705	706	
February	18000 γ + Tabular Quantities (in γ)																								
1	706	703	705	709	718	706	711	702	704	703	701	699	695	695	694	670	669	666	671	695	693	694	712	719	
2	717	693	696	701	699	699	703	704	711	709	704	694	695	709	689	699	709	706	709	709	709	704	713	720	
3	725	703	695	699	699	705	715	730	719	712	717	713	699	695	704	703	705	713	711	704	699	705	721	729	
4	712	709	713	714	713	718	711	719	722	719	715	717	716	718	715	714	712	715	714	713	712	711	713	712	
5 *	714	709	710	710	713	715	718	719	719	715	709	708	713	717	714	715	714	709	699	694	698	716	710	710	
6 *	710	710	710	709	710	716	719	724	721	722	717	714	714	719	721	720	718	718	718	719	717	715	712	709	
7 *	709	712	711	715	718	723	725	727	728	729	723	719	723	729	731	729	727	726	719	708	707	713	715	703	
8 *	699	706	706	710	711	717	720	724	725	725	723	717	715	712	719	723	723	724	722	723	713	713	712	716	
9	713	713	717	723	725	726	723	725	727	732	730	732	727	723	714	706	715	713	708	713	715	715	717	716	
10	714	714	712	717	716	718	721	715	722	724	724	725	722	711	718	714	711	708	710	716	715	714	712	714	
11	703	725	708	698	708	712	714	716	719	721	723	723	724	724	724	723	725	721	701	704	696	714	699	708	
12 *	711	707	705	707	708	710	711	711	713	713	711	712	713	713	713	717	717	719	717	719	713	708	710	702	
13	711	707	707	709	711	718	721	718	714	712	703	710	711	709	707	712	716	719	717	719	713	716	721	716	
14	713	713	714	713	713	714	718	723	723	722	717	707	717	716	711	696	693	709	717	708	688	702	701	721	
15 **	711	708	711	715	721	723	737	725	726	718	721	685	673	707	698	632	687	707	701	684	687	699	701	707	
16	707	723	722	693	697	696	707	705	705	706	707	709	707	707	694	677	680	693	695	707	720	702	699	727	
17	740	697	695	697	703	706	711	707	701	687	669	671	679	700	676	670	699	700	707	701	687	720	717	703	
18	702	702	704	701	710	711	712	714	716	714	708	683	702	713	710	696	698	686	684	733	706	715	717	715	
19	712	712	714	715	716	712	712	722	723	713	703	698	703	698	710	700	712	712	713	711	733	716	704	714	
20	724	713	708	708	710	716	721	722	720	718	712	710	711	714	712	711	706	708	715	715	718	718	718	715	
21	708	711	712	714	716	722	722	724	728	722	705	710	718	722	721	708	678	684	662	670	672	678	666	687	
22 **	669	683	704	684	697	721	697	705	707	697	685	687	690	687	684	693	697	711	704	698	711	713	691	739	
23 **	703	690	697	698	707	697	708	710	702	702	704	697	698	698	697	684	653	687	701	701	715	729	707	706	
24	697	698	703	702	707	711	711	713	704	703	699	683	683	693	697	707	706	701	707	703	724	714	726	713	
25	709	707	709	709	712	711	717	717	709	701	687	687	693	697	701	707	698	699	705	704	701	703	707	719	
26 **	714	707	710	713	717	716	721	713	726	717	675	640	687	703	701	702	677	681	703	705	730	674	705	722	
27 **	704	694	693	696	701	701	701	707	692	672	669	685	693	707	707	661	687	693	693	699	705	717	711	702	
28	691	696	697	697	698	702	702	705	710	707	705	709	709	711	703	701	704	708	710	707	711	713	724	720	
Mean	709	706	707	706	710	712	715	716	716	712	706	702	705	709	707	700	701	705	705	707	707	709	709	714	
Mean *	709	709	708	710	712	716	719	721	721	721	717	714	716	718	720	721	720	719	715	713	710	713	712	708	
Mean **	700	696	703	701	709	712	713	712	711	701	691	679	688	700	697	674	680	696	700	697	710	706	703	715	

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
March	18000 γ + Tabular Quantities (in γ)																								
1 *	711	707	703	707	708	710	710	715	715	711	707	707	711	710	708	710	711	713	716	719	720	711	722	694	
2	698	719	710	711	701	718	718	715	711	705	694	699	707	707	707	708	708	713	711	723	715	717	721	723	
3 *	710	711	719	717	707	711	715	718	715	712	708	708	709	711	707	697	701	711	713	717	716	719	715	717	
4	717	715	714	712	714	718	720	725	710	699	697	695	701	707	715	717	710	713	718	722	721	699	703	704	
5	706	708	707	707	711	716	720	722	723	717	712	703	697	703	704	705	711	713	717	715	709	711	720	712	
6	709	710	703	707	711	718	717	719	717	713	711	717	721	725	726	724	725	717	713	719	717	707	707	707	
7	713	716	715	721	711	706	713	712	713	698	690	697	705	705	697	710	708	703	715	713	717	716	701	702	
8	708	711	708	708	718	721	722	722	717	711	708	705	712	722	720	725	725	724	728	719	712	704	718	717	
9	712	708	708	710	714	718	718	718	716	699	691	699	711	708	698	712	718	688	698	673	694	711	716	715	
10	712	708	710	712	711	715	717	721	718	718	718	714	708	704	705	711	715	713	712	722	700	711	715	714	
11	715	718	711	708	699	708	713	711	717	721	712	703	693	690	688	688	698	717	708	716	708	733	733	706	
12	708	708	708	711	709	706	704	716	722	718	716	716	708	698	711	712	702	704	715	707	710	698	698	708	
13	709	711	708	704	708	708	712	712	712	712	707	708	704	707	709	698	698	707	702	727	705	702	716	739	
14 **	734	716	708	693	702	708	702	694	697	698	699	698	698	699	702	688	677	668	698	700	708	697	704	709	
15 **	712	714	702	707	712	712	721	686	697	707	690	708	702	710	704	702	705	702	720	707	706	706	733	713	
16	709	704	708	709	703	705	715	710	702	697	698	709	711	692	703	712	708	716	707	704	718	711	712	716	
17	717	713	703	706	711	714	714	715	711	707	708	716	723	722	729	710	682	687	704	722	738	708	701	704	
18	712	716	717	702	699	702	704	694	695	687	693	708	710	714	708	707	702	708	704	694	707	713	713	718	
19	728	711	714	711	711	716	717	712	705	706	705	709	720	721	705	711	699	702	707	718	708	713	737	723	
20 **	718	711	713	712	710	717	714	712	694	687	695	691	697	717	717	717	711	701	701	711	712	718	733	741	
21	727	701	702	706	708	709	707	703	693	682	676	687	698	706	710	719	720	716	718	711	714	701	715	714	
22	716	727	712	711	712	717	716	714	705	691	685	695	706	710	717	712	715	720	707	727	731	672	689	706	
23 **	726	714	709	706	703	712	716	706	710	693	690	679	677	687	692	694	707	712	717	716	719	693	709	733	
24 **	706	707	699	694	693	697	709	684	685	673	680	691	703	705	710	706	712	715	731	698	709	715	717	759	
25	716	690	713	705	715	724	714	705	680	685	692	696	699	696	704	703	709	715	716	714	725	709	716	716	
26	720	719	717	719	722	716	714	720	711	692	688	691	685	698	719	719	711	715	710	725	742	723	711	712	
27 *	714	711	720	721	722	720	726	719	710	706	694	696	702	707	712	715	716	718	720	721	720	720	719	719	
28 *	719	721	719	716	718	717	719	721	717	704	702	703	708	717	725	725	720	721	725	729	730	735	728	723	
29 *	725	722	719	721	722	725	725	721	711	702	698	695	703	705	708	711	713	721	723	721	719	720	717	719	
30	708	724	728	719	721	725	727	725	725	713	703	707	703	692	685	695	720	721	725	721	700	699	730	729	
31	708	708	708	707	714	719	709	699	700	699	697	694	696	703	704	707	706	720	720	721	717	729	718	720	
Mean	714	712	711	710	710	714	715	712	708	702	699	701	704	706	708	709	708	710	714	715	715	710	716	717	
Mean *	716	714	716	716	715	717	719	719	714	707	702	702	707	710	712	712	712	717	719	721	721	721	720	714	
Mean **	719	712	706	702	704	709	712	696	697	692	691	693	695	704	705	701	702	700	713	706	711	706	719	731	
April	18000 γ + Tabular Quantities (in γ)																								
1 *	719	714	714	714	717	720	718	720	707	703	695	700	706	713	718	719	712	710	720	724	726	723	738	714	
2	720	714	714	716	718	718	717	711	709	701	690	700	710	718	725	714	724	724	727	722	721	697	693	704	
3	709	707	707	708	708	714	710	710	699	689	689	694	703	704	700	708	714	721	724	710	711	704	748	727	
4	714	714	718	724	724	705	723	717	713	703	694	701	707	707	709	714	718	716	720	724	714	724	714	717	
5	720	718	717	718	724	729	721	715	692	704	698	698	701	708	711	718	720	723	724	724	724	724	723	724	
6	738	723	720	719	724	728	730	725	715	708	694	696	706	709	722	728	725	729	731	725	725	725	725	732	
7 *	729	723	719	723	726	729	727	729	719	712	707	702	703	709	721	728	729	727	721	735	723	725	728	733	
8	729	726	727	725	726	727	728	727	720	715	705	695	689	699	711	723	729	731	735	727	731	717	701	715	
9	717	717	719	715	719	726	730	729	717	717	713	711	709	701	695	699	704	710	729	728	725	725	732	724	
10	721	720	714	716	724	724	727	724	716	711	705	695	701	714	720	721	719	696	710	720	724	719	726	717	
11 **	725	720	717	715	720	723	726	726	725	716	710	707	715	722	724	724	720	724	703	721	693	710	712	704	
12 **	741	678	663	650	676	697	679	674	685	693	674	673	662	690	701	708	706	704	708	714	715	711	708	700	
13	692	699	697	697	698	701	702	700	694	690	692	694	694	694	683	706	704	700	703	714	718	728	720	706	
14	706	714	713	710	714	701	706	705	705	685	691	688	690	695	703	710	713	716	722	722	725	724	724	726	
15 **	722	728	712	710	704	708	708	701	698	702	704	710	700	695	708	703	704	725	720	704	713	733	712	715	
16	712	713	708	712	714	714	714	708	699	701	704	711	721	720	714	714	714	720	725	712	711	714	714	714	
17	714	712	713	713	716	712	718	717	711	708	704	703	704	709	714	718	720	726	712	711	724	723	728	728	
18	734	724	718	715	715	716	708	714	710	704	701	694	714	728	723	719	720	734	725	717	724	721	716	718	
19	719	720	717	719	720	716	719	720	714	698	692	700	709	707	715	716	724	712	719	730	727	729	732	726	
20 **	731	730	715	718	712	719	714	707	704	692	684	687	694	688	701	722	723	718	724	714	706	717	724	717	
21	725	723	714	713	708	710	701	708	715	710	704	696	674	698	705	714	717	727	723	722	723	721	723	728	
22	722	719	721	720	714	710	714	720	717	705	696	695	696	711	724	725	728	727	726	727	725	727	727	729	
23	738	733	719	720	724	730	737	725	714	711	695	683	698	706	709	713	716	730	717	723	717	744	723	717	
24	712	714	714	720	718	721	720	718	715	697	690	695	696	700	709	724	709	721	728	740	724	718	725	746	
25 *	721	713	713	712	713	718	715	709	707	708	706	707	708	714	717	718	718	720	730	732	735	724	734	732	
26	730	722	724	718	718	720	717	717	710	705	699	700	704	713	701	715	718	730	737	729	728	726	724	710	
27	705	712	698	714	714	704	692	691	700	701	695	694	700	704	708	713	717	727	725	726	729	725	721	723	
28 *	723	720	716	717	718	718	720	718	718	717	712	706	708	714	720	719	728	730	732	742	738	738	734	730	
29 *	741	720	717	716	715	719	720	718	710	708	714	720	723	721	728	724	729	730	735	738	729	732	730	728	
30	726	726	721	720	724	728	728	716	712	715	704	694	692	704	705	714	717	727	724	724	720	717	720	723	
Mean	722	717	713	714	716	717	716	714	709	704	699	698	701	707	711	716	718	721	723	723	722	722	723	721	
Mean *	727	718	716	716	718	721	720	719	712	710	707	707	710	714	721	722	723	725	728	734	730	728	733	727	
Mean **	731	718	705	703	707	715	713	707	705	703	693	692	694	700	709	714	714	720	714	715	709	723	716	711	

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
May	18000 γ + Tabular Quantities (in γ)																								
1 *	718	726	720	715	715	715	714	714	714	713	714	714	714	714	714	718	721	724	726	727	727	728	727	732	
2	735	728	728	724	704	720	733	728	720	710	706	714	714	715	721	726	728	732	734	734	733	734	733	728	
3	733	728	724	721	718	723	717	713	710	709	712	716	719	724	726	727	729	728	733	733	736	742	747	744	
4 **	742	737	734	733	732	724	728	721	723	719	713	710	718	724	725	724	722	751	721	719	729	729	729	718	
5	717	719	723	718	719	717	714	707	715	715	714	707	705	716	719	724	730	732	733	733	730	728	728	728	
6	732	734	734	723	718	720	720	713	714	710	704	704	707	711	714	720	730	736	737	734	732	731	730	730	
7 *	729	730	730	730	733	733	731	727	723	718	712	713	716	718	724	732	736	748	748	734	741	739	738	734	
8	734	736	731	730	728	725	728	724	720	724	718	718	707	713	728	729	714	728	748	738	732	724	718	709	
9 **	713	722	713	714	717	714	713	698	700	699	688	690	703	703	706	715	723	734	735	730	724	736	724	724	
10	724	725	724	723	725	728	716	720	713	710	713	710	710	716	722	731	738	743	753	744	729	736	730	730	
11 **	738	747	734	730	730	727	713	722	716	694	698	710	712	714	721	722	734	734	732	728	734	734	733	734	
12	727	717	721	723	728	731	729	726	719	714	705	708	714	719	720	731	732	738	744	733	733	738	734	730	
13	734	734	726	724	723	721	724	722	721	714	710	704	704	698	699	720	725	738	734	738	729	731	738	733	
14	748	733	735	731	728	728	719	714	713	705	698	709	718	718	720	722	720	731	737	738	734	734	735	734	
15	735	740	732	733	728	730	723	720	720	718	721	728	730	735	757	731	726	733	738	739	742	736	734	732	
16	734	730	726	728	719	717	721	723	722	716	712	718	724	728	734	732	735	735	734	740	740	744	744	743	
17 *	739	738	738	738	737	737	732	730	728	722	715	718	723	724	732	737	741	742	739	744	746	748	753	754	
18 **	750	750	738	734	748	744	734	731	726	714	705	700	698	707	713	726	734	740	734	725	732	728	734	732	
19	719	723	724	727	719	719	720	719	717	703	713	715	719	723	730	720	733	735	737	739	737	751	761	747	
20	733	735	732	730	732	733	720	714	706	704	708	714	720	720	732	735	744	746	745	743	749	746	728	724	
21 **	730	742	722	722	728	728	724	722	712	702	696	698	711	722	715	720	731	742	741	744	733	731	735	738	
22	727	724	722	721	723	728	722	717	714	715	709	708	716	721	722	731	734	736	739	738	736	741	743	740	
23	728	733	734	733	732	728	716	707	705	709	713	714	715	716	719	727	736	738	740	742	736	743	734	732	
24	736	736	735	732	736	734	722	720	708	710	716	722	722	732	733	732	735	743	740	736	739	742	740	738	
25 *	735	734	731	729	734	738	732	731	728	718	718	716	712	716	727	735	738	740	742	750	742	738	736	734	
26	730	732	732	732	735	731	730	726	732	728	732	732	730	728	728	727	741	736	734	739	742	742	742	736	
27	732	722	722	728	727	727	722	720	716	716	719	718	718	720	725	725	732	741	740	742	739	737	736	734	
28	731	729	730	729	730	727	722	713	712	704	710	716	722	722	722	732	733	736	738	742	738	736	740	740	
29	738	736	732	732	736	732	726	724	722	726	725	726	726	728	722	722	727	735	745	739	738	742	749	743	
30 *	740	736	734	732	731	726	722	720	714	714	714	715	722	728	732	738	738	736	739	742	742	744	742	742	
31	742	738	738	735	735	734	736	736	732	733	736	742	740	733	746	729	739	752	755	744	738	740	736	742	
Mean	732	732	729	728	727	727	723	720	717	713	712	714	716	720	724	727	732	738	739	737	736	737	736	734	
Mean *	732	733	731	729	730	730	726	724	721	717	715	715	717	720	726	732	735	738	739	739	740	739	739	739	
Mean **	735	740	728	727	731	727	722	719	715	706	700	702	708	714	716	721	729	740	733	729	730	732	731	729	
June	18000 γ + Tabular Quantities (in γ)																								
1	739	738	749	742	739	730	726	720	712	704	702	706	715	720	722	727	738	738	741	742	742	744	745	742	
2	738	738	736	732	741	740	739	735	735	729	715	716	715	718	719	725	735	736	738	739	738	736	744	737	
3	732	732	730	733	735	736	726	724	723	724	717	718	722	728	733	732	736	743	748	748	748	745	743	738	
4	735	745	742	748	742	742	726	711	700	711	718	718	717	717	726	731	733	742	745	741	740	735	732	731	
5 *	729	731	732	734	736	734	729	722	721	724	728	727	728	730	735	742	747	749	748	745	743	742	745	742	
6	738	738	733	733	731	732	732	728	725	725	722	718	717	718	727	732	739	746	748	753	752	749	747	743	
7	741	741	736	732	736	738	737	733	730	722	723	722	722	730	726	726	738	743	747	748	746	746	738	739	
8 *	738	736	735	733	736	735	736	734	728	725	722	725	727	732	737	738	743	748	751	752	751	746	744	742	
9	743	736	733	731	733	734	735	731	726	721	719	719	727	735	738	744	742	743	744	749	751	754	762	753	
10 **	751	754	746	739	741	740	726	742	731	725	721	714	717	717	721	726	728	737	741	735	735	735	728	727	
11 *	725	724	724	725	727	727	721	715	713	713	708	709	715	720	725	726	731	731	733	735	737	738	737	736	
12 **	733	732	731	733	733	731	730	726	724	720	725	736	731	727	736	739	739	725	748	736	730	734	735	732	
13 **	731	731	730	728	727	725	720	716	708	707	715	717	723	725	733	744	741	755	741	744	745	752	744	744	
14 **	745	741	736	734	737	735	728	719	714	713	721	717	707	721	739	738	737	738	739	731	733	739	738	737	
15	735	735	733	733	733	731	721	711	711	715	721	723	725	725	727	731	733	738	743	746	745	741	737	731	
16 *	731	735	735	743	739	734	728	724	717	707	711	718	725	731	731	732	735	737	741	744	745	741	741	739	
17	737	737	739	743	745	742	737	731	725	713	702	707	722	733	743	745	750	749	753	751	751	749	749	752	
18	747	745	745	745	744	737	728	724	721	714	708	708	715	720	729	738	741	754	769	757	743	741	738	738	
19	735	735	732	735	738	733	730	723	721	711	701	692	707	725	735	744	747	746	747	752	746	743	739	743	
20	741	747	746	740	741	741	736	726	719	711	703	702	711	715	719	727	729	739	745	747	745	748	747	737	
21	738	735	735	737	738	737	735	729	721	716	712	707	706	712	727	730	731	738	745	750	755	747	738	742	
22	742	735	727	728	731	732	724	721	720	714	707	710	707	707	716	720	735	741	746	746	747	741	741	733	
23	733	731	731	735	737	741	737	733	727	718	715	716	713	715	725	731	738	750	757	756	746	739	737	738	
24 *	737	734	734	738	736	739	740	735	731	723	708	706	711	716	723	731	737	745	747	743	743	747	746	738	
25	738	738	738	740	742	741	741	739	736	731	726	721	715	697	705	722	741	747	746	747	744	743	745	741	
26	738	739	738	737	741	740	737	731	731	730	730	725	735	737	737	745	737	740	745	744	761	758	756	755	
27	747	740	734	733	736	738	732	732	735	734	732	727	728	723	741	748	749	734	735	742	751	752	762	749	
28 **	741	741	731	727	735	729	717	725	723	721	725	723	721	721	727	728	725	729	734	739	729	731	731	731	
29	727	727	729	731	733	731	723	724	724	718	715	715	716	715	721	729	733	736	738	737	742	745	746	751	
30	740	741	740	738	740	737	731	721	711	711	717	719	721	725	731	741	732	737	736	741	749	747	754	774	
Mean	738	737	735	735	737	735	730	726	722	718	716	716	719	722	728	734	737	741	745	745	744	744	743	741	
Mean *	732	732	732	735	735	734	731	726	722	718	715	717	721	726	730	734	739	742	744	744	744	743	743	739	
Mean **	740	740	735	732	735	732	724	726	720	717	721	721	720	722	731	735	734	737	741	737	734	738	735	734	

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
July	18000 γ + Tabular Quantities (in γ)																								
1 **	741	739	741	737	740	722	728	723	714	701	695	701	705	716	728	730	731	732	737	737	738	735	734	733	
2 *	729	729	731	731	731	729	722	715	711	708	710	709	716	717	725	733	737	741	739	739	731	736	734	735	
3 *	733	732	735	740	738	735	728	725	722	721	721	723	725	721	727	736	738	746	750	746	745	745	742	737	
4 *	732	731	735	735	737	735	730	726	725	722	715	712	713	711	728	737	742	746	745	741	737	737	735	734	
5	735	736	735	735	735	735	735	735	731	727	715	711	714	718	727	735	755	753	755	747	751	745	745	744	
6	747	745	743	744	747	755	749	731	731	729	728	728	721	721	728	731	731	745	751	741	731	735	736	740	
7	745	740	731	728	731	731	724	717	715	705	688	695	713	721	725	724	728	740	746	743	741	737	734	730	
8	731	733	734	733	733	731	727	725	723	717	707	705	711	725	732	732	738	747	744	734	735	738	736	735	
9 *	731	728	726	737	738	737	731	726	721	725	721	721	719	717	723	731	737	741	745	750	751	749	745	741	
10 *	739	738	739	741	741	741	736	731	716	708	711	718	722	723	735	741	737	741	747	746	745	744	743	742	
11	744	741	737	739	741	730	722	726	726	726	727	725	723	723	729	737	738	743	747	751	755	755	752	752	
12	747	737	731	731	741	745	749	748	741	731	723	721	727	738	753	743	719	729	741	749	747	748	743	767	
13	733	731	731	733	737	734	725	721	721	719	714	713	716	721	725	725	737	741	741	747	745	741	745	749	
14 **	741	737	731	745	742	735	745	738	733	723	717	716	715	721	731	725	727	728	745	746	742	745	741	742	
15	735	736	732	737	736	733	729	715	717	717	709	693	714	729	717	725	731	733	740	741	741	740	738	740	
16	734	733	732	730	732	734	730	724	716	716	724	726	716	721	721	730	730	732	742	754	727	729	730	730	
17	726	724	730	732	744	738	723	720	720	714	714	714	720	721	725	730	735	740	740	740	736	740	742	747	
18	789	756	722	734	734	730	724	717	714	714	712	708	712	724	734	740	742	733	734	740	740	740	740	744	
19	734	739	730	732	737	736	733	727	718	712	710	704	704	723	737	750	750	756	764	742	743	736	741	741	
20	742	740	727	728	730	727	734	727	720	708	707	711	714	714	718	720	736	734	737	740	738	736	736	734	
21	734	731	734	731	734	744	736	723	716	706	705	710	710	716	720	726	724	750	741	751	749	744	741	738	
22	730	729	732	736	736	736	727	718	711	712	715	714	719	724	720	720	727	731	744	744	744	737	736	735	
23	734	733	732	734	740	740	739	728	720	716	719	704	714	719	729	730	731	732	739	743	742	742	744	744	
24	741	746	728	735	735	737	740	740	725	716	716	717	724	724	724	726	726	734	740	737	739	741	739	738	
25 **	733	741	742	744	736	746	732	719	719	711	710	694	701	711	725	722	729	737	739	742	741	736	736	744	
26	733	734	727	724	725	726	720	717	717	714	717	719	704	720	725	739	739	744	734	735	740	744	745	742	
27 **	741	746	742	734	726	728	724	724	720	716	719	724	722	719	715	722	730	734	740	746	742	745	751	750	
28 **	730	735	736	738	740	742	730	719	716	721	707	700	704	726	746	727	710	724	722	732	734	745	751	740	
29	734	730	722	721	728	719	710	710	710	706	708	700	721	718	732	738	734	729	742	740	735	738	738	739	
30	747	744	736	732	732	732	725	721	715	713	719	731	728	732	740	743	742	740	738	739	741	741	743	747	
31	745	737	732	730	728	732	731	714	704	710	715	725	725	714	727	723	724	732	734	735	740	737	740	745	
Mean	738	736	733	734	736	735	730	724	720	716	713	713	716	721	728	731	733	738	742	743	741	741	741	741	
Mean *	733	732	733	737	737	735	729	725	719	717	716	717	719	718	728	736	738	743	745	744	742	742	740	738	
Mean **	737	740	738	740	737	735	732	725	720	714	710	707	709	719	729	725	725	731	737	741	739	741	743	742	
August	18000 γ + Tabular Quantities (in γ)																								
1	736	733	731	731	734	732	733	736	726	706	707	714	700	698	716	723	730	740	736	733	740	740	740	737	
2	733	730	734	738	741	729	716	714	706	704	703	706	708	714	716	718	727	740	737	732	736	738	738	740	
3 *	734	733	732	733	736	730	727	723	718	717	706	707	722	720	728	734	738	740	740	746	740	736	739	745	
4 *	746	748	747	744	744	743	740	719	716	718	720	717	716	716	722	723	725	736	744	740	744	740	740	736	
5 *	734	734	736	740	739	737	732	720	714	712	712	716	720	721	729	730	745	743	740	736	736	740	736	730	
6 **	727	728	736	748	753	740	733	731	706	706	707	704	708	693	708	725	733	730	734	747	732	760	730	734	
7	734	722	722	726	730	729	723	718	714	701	690	700	708	718	710	726	730	740	740	750	746	734	734	734	
8 *	731	730	732	732	732	730	730	724	720	724	714	711	720	724	722	725	730	740	744	744	741	742	739	738	
9	741	738	737	736	733	734	727	726	726	718	716	720	728	730	706	710	733	736	745	746	740	742	741	750	
10	747	731	730	734	734	733	724	710	708	706	706	709	714	720	720	728	730	731	740	744	746	745	747	740	
11	734	731	740	740	738	734	730	718	714	710	707	710	717	727	730	732	734	725	731	739	737	738	736	736	
12	740	746	735	728	729	729	732	720	714	714	722	734	729	732	731	726	730	727	734	737	740	737	736	733	
13 *	732	730	732	733	732	730	726	720	710	711	724	736	740	740	732	736	727	728	743	750	749	746	746	747	
14	758	746	730	728	728	724	722	714	718	726	733	730	730	729	734	735	730	735	737	736	740	742	741	750	
15	745	733	730	733	734	734	727	714	706	706	711	722	727	736	737	738	732	736	750	734	746	746	750	756	
16	744	742	742	742	741	736	725	716	703	700	707	709	729	716	705	702	712	726	728	736	738	733	737	737	
17	733	731	729	729	729	732	723	707	695	696	702	715	720	725	729	725	727	733	731	739	739	737	734	737	
18	732	735	731	729	726	731	726	722	714	707	714	715	724	718	714	722	727	731	736	745	743	744	737	733	
19	729	739	730	724	726	733	727	717	703	704	705	709	717	729	733	734	727	739	733	739	743	745	746	753	
20	744	742	733	731	731	726	726	727	723	720	716	712	712	710	713	719	716	733	743	746	746	741	737	738	
21	735	737	736	744	749	744	735	729	720	708	700	709	727	725	720	723	726	729	735	743	739	739	736	732	
22 **	737	762	745	729	723	725	723	726	715	710	706	707	713	712	716	715	725	728	735	739	739	733	729	721	
23	725	742	733	724	724	725	721	718	714	715	715	715	717	718	722	729	728	731	723	731	739	738	733	744	
24 **	751	751	739	729	731	733	729	719	735	724	715	715	722	719	689	709	729	734	735	725	736	732	731	746	
25	743	725	724	727	725	723	718	711	705	709	719	726	726	725	724	723	725	731	731	733	736	736	743	737	
26 **	732	732	731	735	739	725	733	724	716	709	713	716	717	709	713	718	719	729	735	733	738	736	735	742	
27	748	759	726	726	729	727	722	719	711	709	705	713	719	725	723	725	733	729	729	716	725	730	735	747	
28	745	745	741	745	743	720	719	709	701	702	699	699	715	735	741	745	741	737	732	738	739	739	735	743	
29 **	753	732	726	716	733	732	713	703	688	687	699	715	725	721	722	726	724	726	719	727	733	733	747	737	
30	733	738	730	728	728	725	718	708	696	708	705	712	718	728	726	715	710	718	723	735	734	732	731	738	
31	732	734	723	728	730	728	724	714	711	712	714	718	730	731	729	722	723	714	710	738	738	748	756	738	
Mean	738	737	733	733	734	731	726	719	712	710	710	714	720	721	721	725	728	732	735	738	739	739	739	740	
Mean *	735	735	736	736	737	734	731	721	716	716	715	717	724	724	727	730	733	737	742	743	742	741	740	739	
Mean **	740	741	735	731	736	731	726	721	712	707	708	711	717	711	710	719	726	729	732	734	736	739	734	736	

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
September	18000 γ + Tabular Quantities (in γ)																								
1 **	735	734	737	734	726	725	730	713	708	702	698	711	719	718	695	708	708	718	720	724	738	732	710	732	
2	725	718	731	714	728	731	708	705	705	702	684	701	711	717	722	718	709	718	719	730	734	728	734	728	
3	718	721	724	728	728	728	722	714	712	694	694	683	708	729	717	704	702	712	722	715	727	718	725	744	
4	729	718	723	722	721	728	725	717	709	708	711	698	688	702	706	730	697	728	732	733	732	729	740	730	
5	741	744	719	719	714	723	708	704	699	702	691	698	704	710	710	718	722	726	724	734	734	732	728	732	
6	738	725	720	718	723	716	714	714	711	708	711	711	720	730	733	718	703	714	712	759	726	706	728	725	
7	724	718	721	723	708	714	713	701	694	697	706	704	704	718	723	733	728	725	724	730	734	733	724	728	
8 *	738	728	723	724	724	724	722	718	715	712	712	720	728	728	726	722	718	716	711	724	732	730	728	725	
9	726	728	729	723	724	734	718	706	709	707	708	712	714	720	700	692	714	718	718	714	725	738	733	728	
10	727	724	726	725	727	723	721	716	714	707	704	724	729	727	717	708	719	717	719	727	730	728	733	743	
11	729	727	725	727	735	728	727	711	709	713	715	707	691	703	711	707	710	707	717	713	716	735	733	724	
12 *	723	723	723	721	721	721	720	721	716	716	710	713	723	727	734	733	729	729	731	733	732	732	734	741	
13 *	735	733	730	728	730	729	727	719	717	713	713	717	727	729	727	728	726	731	739	741	743	751	761	718	
14 **	709	709	718	708	719	767	724	722	699	706	707	696	672	676	709	697	710	719	719	724	725	724	752	726	
15	721	720	724	726	728	730	728	719	703	671	675	686	700	721	712	722	716	719	726	728	728	728	729	726	
16	742	759	728	713	736	737	726	720	709	692	708	698	710	704	699	721	718	721	718	725	726	736	728	724	
17	731	746	731	731	736	730	722	718	713	702	711	712	716	722	729	730	730	731	734	728	719	712	723	728	
18	739	736	729	730	730	731	736	721	708	703	685	687	707	710	712	711	717	712	710	726	720	731	756	729	
19 *	720	722	725	725	726	727	727	720	706	700	697	700	710	711	712	719	723	718	720	724	724	724	717	726	731
20 **	732	731	730	746	736	742	733	715	708	701	688	691	696	700	710	708	668	705	682	696	728	685	692	690	
21 **	697	707	712	699	706	703	706	712	706	686	688	687	692	695	711	695	718	707	743	701	713	714	721	737	
22	717	717	717	714	717	716	718	716	711	708	708	698	704	699	700	705	706	709	718	727	729	726	731	730.	
23 *	728	723	718	718	719	718	719	722	710	706	711	704	709	709	706	708	712	715	717	720	723	724	724	725	
24	721	722	724	723	723	723	724	721	720	716	709	708	718	723	730	727	715	731	735	738	738	732	734	728	
25	724	730	724	732	737	736	726	715	704	708	712	713	705	712	717	701	714	715	719	723	729	713	726	728	
26	734	727	726	733	728	720	716	713	702	708	708	712	717	724	718	724	726	727	731	730	728	729	734	734	
27	731	725	727	722	728	725	728	727	722	717	712	712	719	724	723	725	719	698	712	727	716	704	727	737	
28	748	718	720	728	723	724	718	716	704	702	708	703	704	714	703	719	726	728	729	730	728	729	727	730	
29 **	724	717	734	730	717	732	734	732	731	718	701	695	698	696	700	709	709	739	727	717	727	678	690	705	
30	708	713	718	724	732	732	732	729	720	709	703	709	702	700	708	717	719	719	727	731	732	727	730	749	
Mean	727	725	725	724	725	727	722	717	710	704	703	704	708	713	714	715	714	719	722	726	728	723	729	729	
Mean *	729	726	724	723	724	724	723	720	713	709	709	711	719	721	721	722	722	722	724	728	731	731	735	728	
Mean **	719	720	726	723	721	734	725	719	710	703	696	696	695	697	705	703	703	718	718	712	726	707	713	718	
October	18000 γ + Tabular Quantities (in γ)																								
1 **	730	728	719	712	714	729	720	702	688	677	688	702	701	705	715	710	709	722	690	699	715	732	717	712	
2	713	717	715	728	722	723	722	718	711	699	694	695	698	707	716	722	722	722	723	725	728	745	744	716	
3 **	716	742	732	729	738	734	715	712	712	703	703	696	697	700	697	692	710	704	701	719	714	754	696	698	
4	713	732	735	703	717	702	720	722	716	712	702	694	709	718	719	712	699	717	719	718	713	718	726	731	
5	722	720	720	721	719	724	728	731	720	714	709	709	710	715	720	724	716	722	727	731	751	723	721	742	
6	728	725	727	723	726	726	743	732	716	693	689	696	704	677	704	688	690	723	714	718	721	719	725	721	
7	718	718	718	718	724	722	718	718	718	709	706	701	692	698	702	713	704	704	715	712	719	726	727	724	
8	724	724	724	724	717	720	723	718	718	718	714	718	705	687	701	698	716	717	717	723	721	727	744	742	
9 *	729	720	722	723	724	721	729	733	722	718	712	711	713	717	718	718	722	725	728	730	730	728	728	728	
10 *	728	728	728	733	734	731	728	727	722	714	714	716	724	725	724	722	720	722	723	722	727	728	729	730	
11	733	731	728	728	730	734	729	732	725	718	716	712	709	719	718	719	720	722	728	728	729	731	731	731	
12 *	729	729	730	730	731	732	733	729	722	717	712	712	717	722	726	728	729	732	734	733	734	737	736	736	
13 *	734	732	731	732	732	733	732	729	721	709	704	710	717	722	725	728	728	733	734	732	737	737	735	742	
14	742	735	736	735	738	738	738	732	725	710	696	700	705	710	713	718	720	720	713	716	723	713	719	724	
15 *	728	726	728	730	737	739	734	737	724	703	701	705	709	719	729	732	732	734	733	735	734	734	732	729	
16	738	736	734	735	737	737	738	735	727	722	717	718	717	723	726	700	708	717	718	723	725	722	728	730	
17	729	733	732	731	739	738	734	732	727	717	707	701	706	720	729	731	730	735	736	733	719	710	710	734	
18 **	720	738	738	745	747	743	732	734	718	717	712	671	687	702	654	689	700	706	714	720	723	724	728	732	
19	728	718	720	722	724	724	724	727	715	705	702	678	690	707	711	695	701	708	724	718	722	729	737	733	
20	730	730	718	726	732	728	729	709	704	701	690	686	684	697	705	707	704	705	702	703	707	720	734	731	
21	726	725	721	719	724	728	727	725	722	719	707	708	712	719	719	715	715	718	719	729	727	725	725	726	
22	725	724	725	725	728	729	730	734	729	718	713	715	714	716	722	717	718	698	688	686	689	685	695	695	
23 **	704	708	715	713	713	718	720	727	734	707	698	718	716	718	720	697	691	711	698	658	664	665	666	684	
24 **	698	704	708	715	758	744	709	695	707	694	682	670	677	671	687	700	691	687	665	671	691	702	714	713	
25	742	720	740	720	714	717	713	714	699	699	680	673	676	691	689	704	714	709	714	719	722	720	719	718	
26	719	714	717	722	726	734	730	727	713	709	708	713	712	709	717	712	698	709	692	707	712	730	723	720	
27	718	718	718	720	723	723	728	728	733	686	680	699	718	712	704	678	714	723	723	719	721	722	723	719	
28	724	720	719	726	723	721	723	718	713	702	694	701	711	717	719	718	721	728	728	728	728	729	728	728	
29	727	726	728	731	734	736	738	738	732	714	709	695	713	725	729	729	734	737	738	738	735	732	719	724	
30	715	720	718	714	746	722	721	722	717	714	709	708	714	714	701	712	718	722	719	716	714	716	718	724	
31	720	718	721	724	729	736	728	734	727	718	702	708	705	694	695	690	690	685	688	694	694	719	712	718	
Mean	724	724	725	724	729	729	727	725	719	708	702	701	705	709	711	710	712	717	715	716	719	723	722	724	
Mean *	730	727	728	730	732	731	731	731	722	712	709	711	716	721	724	726	726	729	730	730	732	733	732	733	
Mean **	714	724	722	723	734	734	719	714	712	700	697	691	696	699	695	698	700	706	694	693	701	715	704	708	

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
November	18000 γ + Tabular Quantities (in γ)																								
1 **	721	716	718	728	728	721	719	728	728	714	703	705	706	707	697	683	699	708	682	668	698	692	711	742	
2 **	709	716	731	727	715	720	720	723	720	714	702	707	700	677	687	708	716	710	712	719	726	721	728	717	
3 **	721	711	714	725	718	717	723	721	707	714	711	703	703	700	707	697	705	711	713	722	734	723	721	718	
4	721	720	717	720	723	722	727	728	727	717	701	698	711	717	721	720	717	722	723	727	729	731	730	727	
5	742	728	724	728	729	727	727	730	713	706	707	707	701	716	717	715	721	722	714	721	727	728	727	727	
6	739	730	727	728	728	734	732	737	727	718	716	711	712	711	716	722	715	715	729	713	718	717	724	731	
7	731	731	724	728	729	733	737	732	733	727	727	726	724	724	726	728	731	731	732	732	731	731	730	728	
8	728	732	735	733	733	737	739	736	728	723	723	722	723	722	720	720	716	719	709	716	735	729	728	729	
9 *	729	728	727	729	734	734	739	739	735	732	728	728	729	731	729	722	726	730	730	720	729	732	732	730	
10 *	732	732	730	730	734	732	732	732	729	724	719	720	725	729	729	729	729	729	733	733	730	732	735	736	
11	736	734	734	735	741	739	740	740	734	723	719	723	728	725	728	727	722	722	720	728	732	737	740	739	
12	741	740	740	735	729	746	746	742	744	729	723	720	718	719	725	729	729	733	729	716	716	719	727	731	
13	733	730	730	732	733	734	739	739	733	729	721	721	723	728	731	733	731	738	740	736	732	731	742	738	
14	733	725	725	729	738	738	739	739	734	724	723	720	722	726	727	722	718	717	713	717	723	729	728	741	
15 *	730	729	729	731	732	736	736	735	731	729	728	726	725	730	733	736	737	739	739	738	733	733	732	732	
16 *	730	731	730	731	734	736	737	737	735	732	731	730	732	738	739	739	740	740	741	741	741	740	739	737	
17 *	736	736	737	737	738	741	742	747	750	744	739	738	736	738	740	739	739	741	742	741	740	739	738	735	
18	733	736	739	739	739	740	739	741	739	737	739	745	749	746	737	738	739	750	754	753	748	745	738	731	
19	729	727	730	733	748	745	740	741	734	733	723	720	720	723	720	725	712	713	714	699	699	718	713	720	
20 **	722	719	725	723	727	729	736	729	718	719	718	723	724	697	700	699	699	708	703	698	707	719	723	723	
21	722	720	729	728	724	725	728	728	726	722	729	726	725	712	717	722	729	735	735	737	734	727	723	723	
22	730	727	728	729	730	740	737	737	719	729	731	731	729	728	729	730	731	731	727	729	727	730	737	733	
23	731	733	733	736	738	733	739	739	737	731	725	728	733	738	735	705	662	701	699	709	706	707	715	718	
24	721	721	720	721	728	732	728	725	727	723	721	722	720	716	716	717	718	726	726	729	729	730	730	732	
25	730	729	732	733	735	743	745	737	735	734	730	724	727	736	735	738	739	739	737	735	730	731	729	741	
26	730	728	732	737	738	739	738	738	729	729	734	733	725	730	732	737	737	738	739	735	730	721	720	730	
27	727	728	729	729	738	746	747	746	747	750	752	741	742	742	739	738	729	734	733	735	739	740	739	739	
28	733	734	733	735	739	739	739	739	739	739	740	733	719	713	725	734	732	732	729	724	719	719	719	729	
29	727	729	731	734	733	738	741	741	740	743	741	735	730	733	718	705	725	731	733	719	726	729	728	738	
30 **	744	727	730	730	728	749	743	733	734	733	732	729	723	728	730	730	729	718	719	729	732	730	730	747	
Mean	730	728	729	730	732	735	736	735	731	727	725	723	723	723	724	723	722	726	725	724	727	727	729	731	
Mean *	731	731	731	732	734	736	737	738	736	732	729	728	729	733	734	733	734	736	737	735	735	735	735	734	
Mean **	723	718	724	727	723	727	728	727	721	719	713	713	711	702	704	703	710	711	706	707	719	717	723	729	
December	18000 γ + Tabular Quantities (in γ)																								
1	745	723	728	725	728	735	734	739	737	732	733	731	732	737	738	735	734	735	738	738	733	733	734	732	
2	731	731	734	735	739	741	742	741	740	740	736	732	729	729	734	735	733	729	734	733	735	733	730	739	
3	742	728	725	728	732	736	738	744	749	742	739	742	742	742	743	743	741	741	739	735	736	735	738	734	
4	734	733	735	739	743	748	749	748	749	746	735	732	738	743	738	739	739	743	737	731	733	732	730	730	
5	729	729	731	734	735	737	739	743	745	743	741	739	738	739	736	728	713	710	720	733	732	731	738	731	
6	729	733	733	734	738	743	746	743	740	739	739	738	740	739	738	735	736	739	739	737	738	738	736	728	
7 **	736	738	737	740	742	746	754	758	748	742	741	740	740	742	742	744	742	740	733	722	716	721	734	727	
8	730	726	726	727	728	736	739	740	738	738	738	735	736	738	738	740	742	740	740	737	735	734	730	731	
9	732	735	739	741	747	754	757	754	755	754	747	747	749	749	747	741	742	743	742	737	739	738	735	735	
10 *	736	734	737	736	736	739	739	740	741	742	743	741	741	740	741	740	740	740	740	734	736	737	739	734	
11 *	736	740	739	739	741	742	743	740	740	743	746	748	751	752	750	746	746	743	743	743	740	740	740	740	
12	737	736	740	740	744	744	740	736	735	736	738	735	733	735	737	738	739	726	720	712	730	725	728	707	
13	715	724	721	731	736	742	739	735	736	739	742	741	742	743	740	739	740	741	730	720	710	724	719	721	
14 *	720	720	726	734	734	738	736	734	735	737	734	734	736	736	734	732	736	740	738	736	739	737	733	733	
15 *	731	730	732	733	735	740	737	736	738	739	741	742	744	745	744	742	740	742	740	740	740	739	736	734	
16 *	733	735	737	738	743	748	749	748	744	743	743	740	746	749	748	745	749	750	750	750	750	748	745	744	
17 **	744	741	745	744	746	750	734	724	732	741	740	733	711	704	711	714	722	730	725	733	731	731	730	725	
18 **	736	720	728	724	732	737	738	740	734	730	728	739	739	734	725	724	723	725	719	724	723	718	747	725	
19	725	725	724	726	729	734	737	740	745	745	743	736	735	735	719	720	730	729	726	727	721	720	721	728	
20 **	728	731	730	731	735	739	742	746	750	748	743	736	723	732	740	737	737	733	722	721	727	729	768	736	
21	733	735	738	738	739	742	749	750	750	749	749	750	739	744	740	737	736	736	735	738	739	739	737	729	
22	739	746	735	736	739	746	746	748	747	745	739	743	745	743	738	732	732	730	732	733	734	733	733	734	
23	736	735	736	740	741	743	744	744	742	743	738	739	744	741	743	740	738	732	729	729	729	733	733	733	
24	731	732	735	736	736	736	738	739	742	744	748	753	756	752	745	739	738	740	739	741	740	740	740	738	
25	740	736	735	736	739	741	742	741	740	741	743	749	750	746	737	735	739	733	732	732	729	729	731	729	
26	731	729	733	739	742	743	742	741	744	741	741	747	750	748	740	734	738	742	749	746	744	742	747	740	
27 **	749	748	727	729	734	740	743	741	740	735	727	729	726	679	703	713	722	724	729	728	727	720	744	725	
28	720	729	727	733	736	739	735	737	733	732	725	725	735	733	729	725	728	733	739	738	737	736	736	735	
29	732	733	733	736	739	740	740	741	745	747	740	750	753	746	737	735	730	729	729	724	728	726	729	729	
30	730	730	733	735	738	743	745	744	748	747	748	756	759	751	746	741	738	739	737	737	736	731	738	736	
31	724	729	732	735	735	738	738	737	736	736	739	745	755	755	751	744	742	739	739	738	741	739	737	735	
Mean	733	732	733	735	737	741	742	742	742	741	740	740	741	739	737	735	736	735	734	733	733	733	736	732	
Mean *	731	732	734	736	738	741	741	740	740	741	741	741	744	744	743	741	742	743	742	741	741	740	739	737	
Mean **	739	736	733	734	738	742	742	742	741	739	736	735	728	718	724	726	729	730	726	726	725	724	745	728	

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
January	43000 γ + Tabular Quantities (in γ)																								
1	328	326	323	322	322	324	321	323	324	325	326	326	325	325	324	325	324	324	323	324	324	324	326	326	
2 **	327	328	328	326	324	324	320	322	322	321	320	322	319	326	334	341	336	334	337	340	338	334	332	334	
3	329	328	328	327	326	326	325	324	324	325	324	322	325	330	330	329	330	328	328	328	328	326	326	326	
4 *	326	328	330	330	329	328	325	324	324	325	328	327	325	328	327	326	328	327	327	328	326	324	324	324	
5	324	328	327	326	326	326	324	322	322	323	324	320	319	323	325	324	324	324	325	326	333	337	333	332	
6	331	328	329	328	327	326	323	320	320	321	320	320	320	324	326	326	329	328	328	328	328	326	326	326	
7	326	328	328	327	327	327	325	324	324	323	320	318	320	321	325	327	329	332	334	334	334	329	328	324	
8	325	321	323	325	325	325	325	325	325	323	323	321	321	325	328	327	329	325	327	329	331	329	327	325	
9	321	322	325	325	325	325	325	325	325	323	322	320	322	323	326	325	329	329	330	329	330	329	325	322	
10 *	323	323	325	325	325	325	325	327	325	325	324	321	323	325	327	325	327	327	329	329	329	327	325	325	
11	325	326	326	325	325	325	325	324	325	325	326	323	320	322	326	325	325	326	328	331	331	331	329	325	
12	326	324	322	324	325	325	325	325	323	321	320	319	317	319	326	327	335	335	339	345	345	339	336	333	
13	333	329	328	326	326	328	325	325	326	325	324	325	321	319	325	329	329	329	329	329	330	331	331	325	
14	324	325	325	326	326	327	325	325	325	325	325	325	326	326	329	328	327	327	329	330	331	331	329	329	
15	329	327	325	325	327	325	325	323	325	325	326	325	322	325	326	325	326	325	327	328	330	331	331	330	
16	326	325	325	326	326	326	325	324	324	325	325	325	325	329	328	325	325	326	327	335	331	329	329	329	
17	330	329	328	327	326	325	324	322	322	323	324	322	319	319	325	326	329	327	332	330	331	331	328	327	
18	329	329	328	326	325	325	321	321	319	319	322	325	323	327	332	333	332	329	328	329	327	329	333	319	
19 **	324	319	320	325	326	329	325	325	321	321	323	329	328	329	331	331	333	336	345	345	349	348	343	332	
20 **	338	339	335	331	332	333	330	329	327	324	325	325	325	327	333	335	341	339	341	339	333	333	332	330	
21 **	329	319	325	329	329	329	323	325	323	325	326	326	326	329	331	335	337	335	335	335	334	333	328	325	
22	325	325	329	327	323	327	325	324	325	325	324	325	323	325	328	332	335	335	332	333	335	329	330	331	
23 **	330	329	325	323	325	326	326	325	326	326	327	325	327	325	329	333	334	335	334	333	332	330	329	328	
24	329	325	325	325	328	328	327	325	327	325	326	323	321	323	327	329	329	329	331	329	329	328	325	325	
25	326	327	327	328	328	328	326	327	328	326	325	325	325	325	329	329	331	333	334	332	333	332	329	328	
26 *	329	328	328	329	328	327	326	328	329	327	328	327	325	325	331	331	331	331	332	332	333	332	331	329	
27	330	329	327	328	329	328	327	327	329	327	325	325	323	325	328	329	329	330	331	332	332	329	328	328	
28 *	329	329	328	327	325	325	323	324	324	323	324	324	321	321	324	325	327	326	327	326	326	326	326	326	
29 *	328	326	326	326	326	326	323	323	323	320	320	321	322	320	322	322	323	327	326	327	327	326	325	326	
30	326	327	326	326	326	326	324	324	323	320	319	317	316	316	321	326	328	326	326	329	331	332	332	332	
31	330	330	329	327	326	324	324	326	322	320	318	318	320	322	325	328	332	332	330	330	332	332	331	329	
Mean	328	327	327	326	326	326	325	324	324	324	324	323	322	324	327	328	330	330	331	331	332	331	329	327	
Mean *	327	327	327	327	327	326	324	325	325	324	325	324	323	324	326	326	327	328	328	328	328	327	326	326	
Mean **	330	327	327	327	327	328	325	325	324	323	324	325	325	327	332	335	336	336	338	338	337	336	333	330	
February	43000 γ + Tabular Quantities (in γ)																								
1	330	331	332	328	322	321	316	319	322	324	327	326	326	326	330	341	350	360	357	350	344	342	338	332	
2	321	323	324	319	320	322	323	324	323	322	318	320	326	328	331	339	336	336	333	332	331	331	332	322	
3	316	316	320	323	327	329	326	323	322	319	315	317	318	322	329	332	334	334	333	333	334	334	330	324	
4	326	328	326	324	320	321	322	321	322	320	320	320	320	321	326	330	332	331	331	331	330	330	330	328	
5 *	328	330	332	331	330	329	326	326	326	326	322	320	318	321	327	329	332	333	336	336	336	334	330	328	
6 *	330	330	331	331	331	330	328	326	323	317	316	318	320	323	326	326	328	328	328	328	327	327	327	326	
7 *	328	328	328	328	328	327	326	324	322	319	317	316	316	316	318	321	325	324	329	331	333	334	331	331	
8 *	332	334	332	332	331	330	328	326	325	319	313	316	318	319	323	326	329	330	330	332	332	332	330	328	
9	328	328	329	328	326	326	324	323	322	321	318	314	316	319	324	328	332	332	334	334	333	331	330	328	
10	329	330	330	329	326	326	326	324	323	322	321	322	320	320	324	324	327	328	332	334	335	333	332	332	
11	332	330	319	324	326	328	329	327	326	324	322	320	320	317	321	322	326	328	332	336	340	340	336	332	
12 *	330	327	329	329	328	329	328	327	326	326	322	321	322	326	329	328	328	330	330	330	331	332	332	332	
13	330	329	328	328	330	329	326	326	326	326	324	325	326	330	332	331	330	329	330	330	331	332	327	327	
14	328	327	326	326	326	326	325	326	326	324	322	324	327	326	326	333	335	334	333	333	339	342	339	336	
15 **	335	334	332	331	328	325	311	316	317	318	316	316	323	330	333	350	354	342	339	343	346	341	339	336	
16	336	321	311	316	321	325	322	323	326	324	321	321	323	329	336	346	350	348	347	344	339	332	333	321	
17	317	317	320	321	323	326	326	326	326	326	326	328	332	336	346	352	350	349	344	343	342	334	328	328	
18	332	332	332	332	332	332	329	328	328	328	319	320	326	330	334	339	346	346	350	346	336	335	332	332	
19	332	331	331	330	330	330	326	322	319	320	320	324	327	330	334	336	340	338	336	335	334	327	330	330	
20	326	323	326	328	330	330	329	327	327	324	322	318	322	322	328	333	335	336	335	332	332	330	330	330	
21	330	330	330	328	326	326	326	323	326	322	320	317	316	316	322	335	356	365	383	376	361	356	346	336	
22 **	314	314	320	318	320	320	316	323	326	327	330	327	328	328	340	344	346	343	342	342	344	337	334	328	
23 **	320	320	316	312	318	321	321	322	323	322	320	321	323	326	332	343	360	360	356	349	344	330	322	323	
24	326	328	330	332	332	335	330	328	326	330	326	326	330	331	339	341	340	339	341	339	336	329	326	326	
25	330	329	329	330	329	331	329	330	329	328	326	324	326	326	326	333	339	340	342	340	340	341	339	336	
26 **	330	330	332	330	328	330	327	325	323	320	317	321	327	327	329	337	343	350	348	347	341	337	330	320	
27 **	317	323	327	332	331	331	331	331	331	334	333	329	327	329	333	352	364	347	343	345	344	338	332	327	
28	322	328	330	331	332	332	332	332	331	327	324	322	327	328	331	337	341	339	337	336	337	335	333	329	
Mean	327	327	327	327	327	327	325	325	325	324	321	321	323	325	330	335	340	339	340	339	338	335	332	329	
Mean *	330	330	330	330	330	329	327	326	324	321	318	318	319	321	325	326	328	329	331	331	332	332	330	329	
Mean **	323	324	325	325	325	325	321	323	324	324	323	323	326	328	333	345	353	348	346	345	344	337	331	327	

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
March	43000 γ + Tabular Quantities (in γ)																								
1 *	328	330	332	333	332	333	330	329	329	327	325	324	324	327	330	333	335	335	334	332	334	334	336	334	
2	337	331	328	329	327	326	325	327	327	327	323	321	318	320	325	329	333	337	338	335	332	332	331	337	
3 *	327	333	331	327	327	328	327	329	329	327	324	324	326	330	333	337	341	339	337	337	335	335	334	333	
4	333	334	333	333	331	331	327	330	330	328	323	322	321	323	328	331	334	333	333	332	332	337	340	336	
5	333	331	325	327	329	331	327	327	327	321	317	318	323	329	337	340	340	338	337	335	336	335	335	331	
6	333	327	330	331	329	331	329	327	327	321	318	316	317	323	327	332	337	336	335	333	333	337	338	336	
7	332	331	329	324	325	328	327	330	329	324	324	323	327	329	331	337	343	342	342	339	339	335	334	337	
8	334	334	334	333	332	331	329	330	329	325	322	321	322	325	327	333	337	334	335	334	337	341	341	330	
9	331	332	333	333	333	334	331	331	329	325	323	322	321	322	327	333	341	347	356	356	355	347	341	337	
10	336	333	334	333	334	336	333	333	329	325	322	317	315	323	329	337	340	339	341	340	341	341	340	337	
11	333	327	325	324	327	333	332	332	331	326	321	321	323	332	337	344	347	344	341	343	341	339	326	324	
12	326	327	329	330	331	333	333	335	332	329	324	319	321	323	327	333	341	340	340	343	345	341	341	341	
13	339	337	334	333	334	337	337	337	335	329	327	323	322	327	333	340	351	348	347	351	342	340	337	328	
14 **	319	309	315	318	322	323	323	323	326	327	326	326	327	327	337	358	375	381	367	357	348	344	338	337	
15 **	318	315	327	331	326	327	327	326	328	321	320	321	321	330	338	344	347	347	346	341	343	341	328	327	
16	332	332	331	331	330	330	328	329	332	328	327	327	327	333	343	343	345	346	344	347	343	337	333	333	
17	333	329	331	333	333	331	327	328	327	325	321	320	324	327	333	343	357	353	348	347	341	335	336	333	
18	333	315	306	315	323	325	327	329	331	327	325	324	327	332	343	347	349	349	347	349	349	342	340	339	
19	337	332	332	333	336	337	336	336	333	327	322	322	323	331	343	348	348	347	347	346	343	341	334	331	
20 **	330	328	327	327	331	337	337	337	333	328	320	317	325	330	334	342	348	353	351	347	342	338	331	317	
21	311	317	326	331	333	333	337	337	334	331	327	327	329	331	334	341	340	337	339	340	342	339	337	331	
22	333	327	323	331	334	336	333	335	332	329	323	320	322	330	337	341	343	344	343	343	337	329	337	336	
23 **	325	309	311	317	322	331	329	329	327	328	317	316	317	331	342	341	342	345	347	353	343	347	341	309	
24 **	312	315	314	323	328	333	333	333	334	333	331	327	329	331	336	338	339	348	351	345	340	337	337	327	
25	321	322	321	321	324	326	330	333	333	332	329	323	324	327	331	336	338	338	338	338	338	335	335	335	
26	335	332	330	328	329	332	330	332	329	323	319	317	318	324	329	335	344	345	340	339	332	328	329	330	
27 *	334	330	325	322	322	325	326	329	328	324	319	320	317	315	322	328	332	334	335	336	338	336	334	334	
28 *	331	331	328	330	330	329	330	330	329	323	319	319	324	326	329	332	336	337	336	335	335	333	333	332	
29 *	329	329	332	333	333	334	334	334	332	326	323	319	323	326	333	336	337	336	337	339	339	339	338	333	
30	331	325	319	323	327	331	333	333	330	323	319	315	316	323	329	334	335	335	335	337	342	349	348	322	
31	329	330	331	331	334	335	335	335	331	324	316	313	319	324	333	339	342	343	342	343	343	342	338	336	
Mean	330	327	327	328	329	331	330	331	330	326	322	321	322	327	333	338	342	343	342	342	340	338	336	332	
Mean *	330	331	330	329	329	330	329	330	329	325	322	321	323	325	329	333	336	336	336	336	336	335	335	333	
Mean **	321	315	319	323	326	330	330	330	330	327	323	321	324	330	337	345	350	355	352	349	343	341	335	323	
April	43000 γ + Tabular Quantities (in γ)																								
1 *	334	335	335	335	334	335	335	333	331	325	317	312	311	318	328	337	339	343	338	338	339	338	334	331	
2	329	329	331	332	332	334	333	332	329	321	315	316	315	318	326	327	332	338	336	334	335	338	332	335	
3	336	333	336	335	338	333	330	329	323	317	316	312	313	318	329	332	336	337	337	339	341	339	331	320	
4	325	328	328	323	318	320	324	325	321	317	318	316	318	322	328	334	338	338	336	335	335	334	332	330	
5	329	330	331	331	331	328	328	331	329	324	318	314	315	320	325	331	334	335	334	334	332	331	332	332	
6	328	327	328	330	331	332	332	332	332	324	316	311	310	315	326	334	336	338	334	332	332	331	330	330	
7 *	325	324	326	328	330	331	330	331	329	329	324	319	315	316	326	332	335	339	341	343	338	338	334	331	
8	329	328	328	330	331	333	333	332	328	322	318	313	313	318	325	331	333	332	333	334	336	330	330	323	
9	325	324	320	325	330	331	329	328	322	319	314	312	310	312	322	330	336	339	343	338	337	335	333	329	
10	330	329	330	330	329	329	329	328	325	318	316	310	314	316	323	328	335	344	345	341	338	338	336	334	
11 **	329	324	328	329	329	329	333	333	328	320	316	316	315	318	324	330	334	341	352	357	348	339	327	286	
12 **	275	250	239	242	262	290	309	324	328	323	322	320	321	330	336	339	339	344	342	343	342	341	334	336	
13	334	336	335	334	337	337	338	340	337	331	327	327	329	335	347	347	346	347	347	345	341	338	335	332	
14	336	336	329	325	317	317	326	332	333	328	323	321	323	329	342	343	338	337	337	337	337	336	336	335	
15 **	328	321	321	326	329	331	331	331	328	318	316	318	317	323	337	341	343	341	345	347	343	336	332	333	
16	335	333	333	336	335	334	334	332	331	330	325	317	319	324	331	334	334	336	337	337	341	337	337	337	
17	335	336	335	335	332	333	333	333	331	324	319	317	318	323	330	335	336	340	347	343	338	337	334	335	
18	330	325	327	329	331	330	331	333	332	327	316	317	320	323	327	332	335	340	338	341	340	337	336	334	
19	333	333	333	333	334	331	335	335	331	322	320	317	315	320	327	333	342	345	347	347	341	337	332	335	
20 **	331	329	329	326	322	324	325	329	330	323	317	312	316	326	331	331	337	347	363	351	346	341	337	335	
21	331	327	331	334	336	335	333	329	329	321	311	308	311	322	328	334	338	347	345	340	337	336	334	333	
22	328	329	326	322	327	327	327	331	327	322	317	313	308	311	319	327	332	333	334	333	332	331	331	330	
23 **	327	322	321	323	327	327	328	326	327	316	311	307	308	317	327	333	337	343	351	353	346	336	332	328	
24	329	332	328	324	328	333	332	329	326	322	320	313	313	322	329	336	336	338	340	343	338	336	335	323	
25 *	318	323	327	328	331	330	332	334	332	329	322	315	314	320	328	332	334	338	338	338	337	334	332	328	
26	326	328	322	318	322	322	328	330	331	324	316	314	310	315	328	338	336	338	338	340	341	337	334	326	
27	318	318	313	322	328	330	330	328	324	321	318	318	317	324	332	337	338	342	344	344	338	337	337	337	
28 *	331	329	330	333	334	332	330	331	329	326	321	318	318	326	331	332	334	337	337	334	332	333	332	334	
29 *	328	326	328	331	332	331	329	330	329	322	316	308	307	316	322	324	328	329	334	336	334	334	332	332	
30	332	333	332	333	330	328	327	327	327	322	318	318	320	328	332	338	337	338	338	338	338	338	338	337	
Mean	327	326	325	326	328	329	330	331	329	323	318	315	315	321	329	334	336	339	341	341	338	336	333	330	
Mean *	327	327	329	331	332	332	331	332	330	326	320	314	313	319	327	331	334	337	338	338	336	335	333	331	
Mean **	318	309	308	309	314	320	325	329	328	320	316	315	315	323	331	335	338	343	351	350	345	339	332	324	

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
May	43000 γ + Tabular Quantities (in γ)																								
1 *	334	330	329	330	334	334	334	329	326	322	320	318	319	325	330	332	333	334	334	332	331	330	332	333	
2	332	329	329	328	328	329	328	329	324	319	317	312	313	319	324	329	330	332	331	331	329	329	330	332	
3	334	332	332	333	334	331	330	329	324	315	309	309	314	324	329	331	335	335	335	334	332	329	328	328	
4 **	328	328	330	331	331	330	330	328	324	314	307	305	310	323	332	338	337	341	347	348	341	337	328	328	
5	330	330	331	334	335	336	335	330	326	320	315	307	313	322	328	332	336	337	338	338	336	332	332	332	
6	331	325	325	327	329	328	327	328	327	322	315	309	308	318	325	333	338	340	338	336	333	332	330	330	
7 *	329	331	332	333	333	333	331	329	325	319	314	311	310	314	319	324	329	332	333	332	331	329	329	330	
8	329	329	325	326	329	330	331	332	329	325	319	309	308	313	320	329	333	335	339	340	341	339	338	334	
9 **	330	321	319	324	325	329	329	329	323	311	308	310	316	322	328	332	333	340	341	344	342	335	331	334	
10	335	335	335	333	334	330	330	329	323	315	309	306	310	320	329	331	332	330	330	333	339	339	337	338	
11 **	330	322	313	318	319	320	321	320	318	314	315	311	315	323	328	333	337	339	342	345	339	337	336	334	
12	329	331	333	335	339	335	331	329	325	319	319	316	319	327	333	336	339	343	343	339	337	336	335	335	
13	335	329	329	332	336	336	337	331	325	324	321	315	318	323	327	333	334	335	339	343	343	340	338	337	
14	332	325	323	323	329	328	328	328	328	323	318	317	319	325	329	329	334	336	338	338	335	335	333	333	
15	332	330	330	331	335	332	329	328	323	322	314	309	309	319	329	330	333	335	331	331	331	331	333	334	
16	329	329	325	328	329	329	326	326	323	320	313	313	313	319	323	328	329	332	332	332	330	329	329	329	
17 *	332	333	332	330	331	329	326	323	322	319	314	309	314	319	325	330	334	336	334	332	329	331	329	329	
18 **	326	327	326	321	319	317	319	322	319	314	310	303	309	323	329	333	339	340	342	345	339	336	334	331	
19	328	329	329	331	335	332	331	335	335	327	319	315	315	319	326	335	337	337	339	337	337	334	329	320	
20	319	319	321	326	329	326	327	329	323	315	308	301	302	312	322	330	332	335	335	336	335	326	328	330	
21 **	327	319	319	324	329	328	325	324	318	315	313	309	309	316	321	331	339	343	345	340	335	333	332	329	
22	327	325	328	329	332	328	326	324	323	319	311	307	309	313	320	328	329	331	335	335	333	329	330	327	
23	327	328	329	330	333	334	335	333	328	323	316	309	310	323	329	331	337	341	339	336	334	331	329	329	
24	329	329	329	331	333	329	328	328	324	319	319	313	305	305	315	322	329	333	337	341	339	335	333	332	
25 *	329	329	329	331	333	329	325	323	321	317	313	309	305	312	317	323	329	334	335	336	333	332	332	332	
26	330	329	329	331	335	334	330	330	327	319	315	313	311	314	323	329	333	335	336	337	335	333	333	332	
27	328	326	328	327	330	329	325	327	323	317	313	309	309	316	325	329	332	335	335	336	334	332	332	333	
28	332	332	330	331	336	334	328	326	323	318	314	309	310	315	320	328	332	334	334	338	338	338	334	334	
29	332	328	324	325	328	328	323	318	310	306	302	298	305	313	322	329	334	338	339	338	336	336	334	332	
30 *	332	331	331	330	331	331	328	322	314	308	302	299	302	312	320	326	328	332	333	330	328	328	328	330	
31	329	331	330	328	329	326	322	318	314	309	301	298	302	312	321	325	330	333	334	335	332	330	330	332	
Mean	330	328	328	329	331	330	328	327	323	318	313	309	311	318	325	330	333	336	337	337	335	333	332	331	
Mean *	331	331	331	331	332	331	329	325	322	317	313	309	310	316	322	327	331	334	334	332	330	330	330	331	
Mean **	328	323	321	324	325	325	325	325	320	314	311	308	312	321	328	333	337	341	343	344	339	336	332	331	
June	43000 γ + Tabular Quantities (in γ)																								
1	329	330	327	324	327	325	324	323	321	314	307	297	296	307	316	324	330	336	332	328	326	326	328	328	
2	328	327	328	330	331	328	325	323	320	318	310	306	306	314	318	326	329	334	338	336	332	330	329	328	
3	327	328	328	330	332	331	328	324	320	318	318	312	311	314	318	322	328	332	332	331	329	328	327	327	
4	326	326	324	324	324	325	322	318	315	314	307	300	302	307	313	323	327	328	336	335	332	330	330	329	
5 *	328	328	329	332	334	333	331	328	322	315	306	298	304	314	322	324	328	332	334	336	332	328	328	327	
6	326	326	328	328	329	330	328	328	328	324	315	311	314	318	322	328	332	333	334	332	328	328	328	327	
7	324	325	325	328	329	328	327	328	325	319	315	308	308	314	319	327	328	331	334	330	329	329	329	329	
8 *	329	329	329	328	331	329	326	326	322	319	319	313	312	314	318	320	326	327	328	329	328	327	328	329	
9	328	327	323	325	327	325	325	324	320	317	310	305	309	314	320	324	325	325	328	327	326	326	326	325	
10 **	324	318	314	318	324	322	321	314	318	312	304	308	314	324	330	333	334	338	342	339	334	331	331	333	
11 *	330	328	328	332	334	332	329	328	328	325	317	310	315	320	323	327	328	328	330	331	330	329	329	332	
12 **	328	328	328	330	331	328	325	322	322	318	312	304	308	308	313	319	322	328	337	340	342	337	333	332	
13 **	332	331	330	329	328	328	326	327	323	318	308	307	312	316	319	322	325	334	338	340	338	332	331	332	
14 **	332	330	330	331	331	328	324	324	318	308	304	304	312	318	323	324	330	332	332	332	331	330	330	328	
15	330	330	330	331	334	332	326	326	325	317	314	318	320	324	330	331	334	337	334	334	332	330	329	331	
16 *	330	329	330	328	330	328	328	324	320	318	315	308	312	322	331	334	334	332	333	334	330	328	328	328	
17	328	329	328	329	331	332	328	328	328	321	314	308	309	318	322	323	325	330	330	329	328	327	328	324	
18	326	328	328	329	329	328	328	328	323	320	314	309	313	318	322	328	330	333	331	333	335	337	330	330	
19	329	330	329	332	334	333	331	330	329	325	318	318	318	319	321	328	329	334	338	337	332	329	329	330	
20	329	328	324	324	327	328	329	332	332	328	320	318	318	320	324	329	334	337	338	338	334	330	327	327	
21	327	328	329	330	333	333	334	336	329	327	318	314	315	318	322	328	332	332	330	331	328	328	329	330	
22	322	321	319	318	324	322	328	329	326	327	322	320	318	318	326	328	329	332	334	337	333	333	331	329	
23	329	329	329	329	330	330	330	331	330	326	323	315	316	319	320	323	328	333	338	339	338	335	333	331	
24 *	329	329	329	328	328	327	327	328	322	323	319	318	316	319	322	324	325	331	334	333	329	329	329	329	
25	328	328	328	329	330	330	329	329	325	323	320	314	313	312	316	322	326	332	333	335	333	331	330	330	
26	329	329	328	329	330	329	327	323	321	317	316	312	310	309	314	320	323	329	331	332	332	330	329	328	
27	325	324	326	329	331	329	325	321	321	319	315	315	317	323	323	324	329	336	336	332	330	329	329	328	
28 **	327	327	321	325	327	329	329	327	329	329	323	325	325	323	329	335	342	343	342	339	337	337	335	335	
29	335	334	333	335	337	337	333	330	330	325	315	313	315	319	323	327	333	339	339	337	333	333	331	330	
30	329	329	329	333	335	335	333	332	329	321	313	309	315	323	325	329	335	339	337	335	333	333	331	329	
Mean	328	328	327	328	330	329	328	326	324	320	314	311	312	317	321	326	329	333	334	334	332	330	330	329	
Mean *	329	329	329	330	331	330	328	327	323	320	315	309	312	318	323	326	328	330	332	333	330	328	328	329	
Mean **	329	327	325	327	328	327	325	323	322	317	310	310	314	318	323	327	331	335	338	338	336	333	332	332	

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
July	43000 γ + Tabular Quantities (in γ)																								
1 **	319	322	322	327	332	333	329	329	327	323	319	317	318	325	332	339	343	347	343	339	334	333	333	334	
2 *	333	333	333	335	337	339	338	335	329	324	318	311	315	323	329	335	340	344	340	339	334	332	329	332	
3 *	330	332	332	333	335	334	329	325	322	318	314	309	309	313	320	332	335	335	333	333	331	330	328	328	
4 *	327	329	329	333	335	334	329	329	328	322	315	311	313	319	322	327	329	333	335	333	330	329	328	329	
5	329	329	329	331	332	329	328	329	328	318	309	297	300	312	323	327	331	333	337	335	333	331	331	329	
6	329	325	326	329	329	322	323	325	322	319	315	315	316	319	329	335	339	339	341	344	341	339	332	333	
7	329	323	323	326	333	335	333	331	327	322	323	322	323	325	331	335	336	336	339	338	337	335	333	333	
8	331	331	330	332	335	333	329	329	324	321	319	319	318	319	324	329	335	337	338	340	341	337	333	334	
9 *	329	330	330	331	333	333	331	333	329	324	314	313	318	319	328	333	332	331	329	330	331	329	329	329	
10 *	329	330	329	331	331	329	329	325	325	325	322	319	314	319	329	330	331	334	335	333	330	330	329	330	
11	329	327	328	329	330	330	326	326	323	319	315	313	312	315	325	329	331	332	331	331	331	330	329	330	
12	328	326	327	329	329	326	324	325	324	324	315	305	301	309	323	331	334	338	339	338	335	333	331	327	
13	321	327	329	332	333	332	331	327	323	321	319	308	312	322	329	333	333	335	335	334	331	332	333	332	
14 **	330	329	329	327	321	322	322	324	327	319	316	317	318	323	329	333	339	343	339	338	334	333	332	330	
15	329	329	329	332	332	327	327	327	325	318	313	307	314	323	329	335	337	336	338	335	333	331	332	331	
16	331	331	331	331	335	333	333	333	329	323	319	312	310	319	325	333	333	333	335	340	339	340	338	336	
17	334	335	335	335	331	326	328	326	323	323	329	323	325	326	333	339	339	339	339	339	336	333	329	329	
18	319	313	319	320	321	326	329	330	326	318	316	319	316	316	321	329	335	338	339	337	335	333	329	329	
19	328	325	327	331	333	333	333	333	331	329	323	319	319	325	329	331	333	335	336	335	337	335	333	332	
20	330	326	328	330	336	335	330	327	323	322	321	316	315	319	324	329	333	336	337	339	336	331	330	331	
21	329	329	330	329	335	335	335	331	328	325	320	317	317	324	333	338	339	341	339	339	335	334	333	331	
22	330	330	330	331	335	335	334	331	329	324	319	317	316	319	323	329	330	334	336	339	335	332	329	329	
23	329	329	329	331	333	331	331	332	330	324	317	312	314	320	329	330	331	330	330	333	333	333	330	333	
24	329	320	321	328	330	329	326	328	324	324	319	318	319	320	323	325	328	333	336	342	340	337	334	334	
25 **	333	332	330	328	332	330	330	330	331	329	323	323	329	336	339	340	343	340	336	338	335	333	334	332	
26	332	331	330	332	335	335	331	329	326	323	319	319	324	329	334	339	334	336	334	334	335	334	334	334	
27 **	333	332	329	322	328	329	326	328	328	323	319	319	321	329	335	339	343	339	338	333	331	332	329	325	
28 **	324	328	329	330	329	319	321	325	323	321	318	322	328	336	344	347	348	354	346	340	336	335	331	330	
29	329	327	323	328	335	334	332	333	334	334	333	332	328	328	336	342	340	339	341	339	337	334	334	334	
30	332	329	327	331	335	334	331	330	329	330	330	328	325	329	339	341	343	341	335	334	333	333	334	334	
31	330	329	330	331	334	334	332	329	329	327	329	325	321	323	331	338	340	339	337	337	337	336	334	329	
Mean	329	328	328	330	332	331	329	329	327	323	319	316	317	322	329	334	336	337	337	337	335	333	332	331	
Mean *	330	331	331	333	334	334	331	329	327	323	317	313	314	319	326	331	333	335	334	334	331	330	329	330	
Mean **	328	329	328	327	328	327	326	327	327	323	319	320	323	330	336	340	343	345	340	338	334	333	332	330	
August	43000 γ + Tabular Quantities (in γ)																								
1	328	329	331	333	333	332	334	332	330	329	327	322	319	326	333	339	343	348	346	343	339	337	334	333	
2	331	333	334	329	323	325	329	333	333	331	329	320	314	322	329	335	343	349	349	349	343	339	337	335	
3 *	333	335	335	337	339	337	339	339	333	329	323	317	316	319	329	335	337	339	335	335	335	335	335	336	
4 *	333	333	331	330	335	333	329	333	334	331	324	319	319	323	329	338	340	343	343	345	341	337	334	334	
5 *	333	334	333	332	333	335	333	335	333	331	330	329	325	327	330	333	333	337	344	349	345	343	340	336	
6 **	333	332	329	327	325	325	330	331	329	327	323	320	323	326	332	337	345	347	345	345	345	345	335	337	
7	329	328	330	335	339	335	339	339	334	331	323	315	322	329	334	342	342	345	346	347	342	338	339	336	
8 *	335	332	331	332	333	334	334	333	333	331	323	321	321	323	329	335	337	341	340	339	339	336	335	335	
9	335	335	335	333	335	335	336	336	332	329	327	325	323	327	329	337	339	339	342	339	339	337	333	333	
10	322	325	329	332	334	335	339	342	335	332	333	329	325	330	337	344	345	342	336	335	335	335	333	333	
11	331	329	325	324	326	327	329	333	329	326	325	325	322	321	325	333	339	335	336	339	336	335	334	335	
12	334	328	325	327	332	332	335	335	331	327	325	324	325	325	332	339	341	341	339	338	335	335	334	335	
13 *	335	334	335	335	339	336	335	339	337	332	326	321	321	323	329	335	339	335	333	334	331	330	329	330	
14	332	322	325	329	333	330	331	329	325	322	323	323	323	327	331	339	339	338	337	339	337	333	332	332	
15	324	326	329	332	333	331	332	329	326	322	314	314	316	321	323	332	336	339	342	343	339	333	334	327	
16	329	332	334	334	335	335	335	333	327	323	318	321	323	327	335	339	346	349	347	344	339	336	335	335	
17	334	335	336	339	339	339	339	333	328	322	319	320	322	329	330	335	340	346	345	343	339	334	333	336	
18	333	333	332	333	335	336	334	335	330	324	320	319	323	329	335	335	339	338	338	337	337	334	330	329	
19	329	322	325	330	333	332	333	332	326	321	313	316	321	326	332	339	339	342	340	340	335	335	333	329	
20	321	323	325	329	332	330	330	329	327	324	319	315	315	319	325	333	339	343	342	339	337	335	333	332	
21	330	331	332	331	329	329	329	324	319	318	317	325	326	327	333	335	335	335	338	339	339	338	336	335	
22 **	334	325	306	309	319	316	313	319	323	324	316	319	322	323	329	333	334	335	337	338	335	333	332	332	
23	334	330	325	327	330	330	335	337	334	328	326	322	323	327	334	338	340	343	340	342	342	336	334	336	
24 **	334	327	324	326	327	327	332	334	334	330	324	317	320	330	340	346	344	340	336	340	338	336	334	335	
25	322	325	330	333	334	332	333	334	334	333	328	327	325	329	330	336	337	336	336	338	337	337	334	333	
26 **	334	335	335	336	335	330	324	328	325	326	325	326	333	336	336	342	343	343	339	338	337	334	335	335	
27	333	310	313	324	328	328	330	330	330	324	318	318	322	327	330	333	338	337	337	340	340	337	336	331	
28	325	321	320	320	318	320	326	330	330	319	310	314	323	328	330	334	332	332	331	331	331	330	334	334	
29 **	323	322	326	329	330	330	330	332	331	329	324	324	324	330	335	338	336	336	337	340	336	332	330	328	
30	331	330	329	333	334	332	334	336	338	337	330	326	326	330	336	343	350	350	348	344	337	336	336	336	
31	332	330	333	336	337	337	336	334	332	328	324	320	320	331	336	340	344	344	347	344	339	336	330	330	
Mean	331	329	328	330	332	331	332	333	330	327	323	321	322	326	332	337	340	341	340	341	338	336	334	333	
Mean *	334	334	333	333	336	335	334	336	334	331	325	321	320	323	329	335	337	339	339	340	338	336	335	334	
Mean **	332	328	324	325	327	326	326	329	328	327	322	321	324	329	334	339	340	340	339	340	338	336	333	333	

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
September	43000 γ + Tabular Quantities (in γ)																								
1 **	332	334	333	334	334	334	334	337	334	330	324	324	326	330	338	352	366	360	358	359	344	330	325	315	
2	290	313	324	320	324	326	330	332	332	329	325	329	325	330	337	342	346	351	350	344	340	338	334	329	
3	330	332	335	337	336	336	336	335	333	330	326	324	336	339	342	357	361	356	355	356	353	345	339	333	
4	316	326	332	336	338	334	336	340	336	332	327	324	327	339	341	350	355	354	344	342	340	340	336	337	
5	333	327	325	329	329	331	332	334	335	332	323	329	333	335	339	343	343	345	344	345	342	339	337	339	
6	335	332	334	336	336	333	336	337	339	333	329	325	325	328	334	343	353	362	365	366	336	334	335	332	
7	331	332	334	331	330	335	338	340	336	334	331	327	325	332	339	341	343	350	351	345	344	339	336	334	
8 *	328	328	328	330	335	335	338	338	333	326	323	316	320	326	332	335	338	342	347	343	339	338	336	336	
9	338	338	336	334	328	328	329	333	330	332	330	324	327	338	344	352	352	348	347	347	344	338	333	336	
10	336	336	334	334	334	332	333	340	340	338	331	328	326	329	339	344	347	345	342	344	342	339	336	332	
11	329	333	333	335	334	331	336	337	333	331	327	328	333	339	341	343	344	347	347	347	346	342	338	337	
12 *	336	337	337	337	337	336	337	339	337	330	323	324	324	326	331	335	332	333	334	337	338	337	336	332	
13 *	333	335	336	337	337	335	337	337	333	329	327	321	323	328	333	337	337	337	333	334	334	334	331	323	
14 **	319	327	329	331	328	308	317	327	327	327	324	322	323	337	347	354	351	351	347	345	343	341	331	324	
15	327	331	335	335	337	336	337	334	329	324	321	320	327	334	339	347	348	347	345	343	341	340	335	334	
16	327	313	317	323	321	321	323	324	323	318	314	310	317	329	340	345	345	347	348	344	340	336	331	329	
17	322	318	315	320	321	320	326	331	332	329	323	321	322	328	331	336	336	336	336	338	340	340	337	331	
18	324	315	321	324	327	327	332	333	331	326	320	321	318	321	331	336	340	343	348	349	342	341	331	327	
19 *	329	331	332	334	333	333	334	335	330	326	318	315	315	317	326	332	336	337	342	343	339	336	334	331	
20 **	332	333	331	322	317	318	321	327	327	325	322	324	331	345	348	376	403	396	388	372	342	333	338	335	
21 **	331	335	335	332	332	330	333	339	337	337	335	335	337	346	346	351	366	361	359	352	352	348	344	341	
22	333	335	335	337	338	338	340	342	341	338	331	329	331	338	345	346	346	345	346	344	342	340	339	338	
23 *	337	337	337	337	337	335	337	337	336	335	336	335	335	334	334	338	338	340	341	342	341	339	338	338	
24	339	339	338	337	336	333	334	336	333	330	327	326	327	329	331	333	335	337	336	337	336	337	334	333	
25	334	335	334	332	329	324	323	325	326	326	324	323	326	329	335	343	350	347	342	343	343	338	339	341	
26	336	333	334	335	332	333	333	333	328	327	322	321	324	329	333	340	340	340	341	338	337	333	333	331	
27	333	336	336	337	337	332	334	337	337	331	327	326	329	333	337	339	344	346	351	347	342	343	339	339	
28	327	322	326	325	331	327	329	331	330	327	327	327	329	333	335	341	342	337	336	336	336	337	337	337	
29 **	332	335	331	325	327	327	327	326	327	327	327	328	328	335	341	342	348	358	348	347	337	321	327	333	
30	337	338	341	340	337	327	325	326	326	327	331	332	327	332	337	341	343	344	343	342	338	336	337	336	
Mean	330	331	332	332	332	330	332	334	332	330	326	325	327	332	338	344	348	348	347	346	341	338	335	333	
Mean *	333	334	334	335	336	335	337	337	334	329	325	322	323	326	331	335	336	338	339	340	338	337	335	332	
Mean **	329	333	332	329	328	323	326	331	330	329	326	327	329	339	344	355	367	365	360	355	344	335	333	330	
October	43000 γ + Tabular Quantities (in γ)																								
1 **	326	326	321	313	306	307	311	324	322	330	334	336	337	337	340	347	359	371	363	358	354	343	334	337	
2	339	337	335	334	333	334	338	343	343	341	339	337	333	333	336	338	342	341	341	343	341	338	327	327	
3 **	323	314	307	313	317	317	321	326	327	328	328	325	327	331	339	353	358	358	359	352	352	340	327	320	
4	302	291	291	311	323	329	330	333	336	337	337	336	337	337	343	355	357	352	347	346	347	344	340	337	
5	337	336	337	337	337	337	338	339	341	338	333	331	330	330	333	337	341	344	341	340	339	333	336	332	
6	334	334	337	336	335	334	332	334	337	337	337	338	342	345	354	359	368	371	354	351	349	348	343	339	
7	340	340	340	338	339	338	338	341	342	338	337	338	338	338	341	349	348	352	350	348	348	345	342	338	
8	337	336	337	338	338	338	338	339	340	340	338	338	339	344	349	346	345	345	344	346	345	345	339	328	
9 *	328	332	337	336	336	336	333	334	332	333	332	330	330	334	336	338	338	338	339	339	339	339	339	343	
10 *	341	338	338	336	330	330	329	332	332	328	324	323	327	328	329	334	338	338	338	338	338	338	338	338	
11	335	337	337	337	335	334	331	332	334	332	329	330	330	334	340	342	344	342	340	339	338	338	338	338	
12 *	339	339	339	338	338	338	333	335	336	335	331	330	329	329	333	337	338	338	337	337	337	337	335	336	
13 *	337	338	338	338	338	338	337	338	338	336	327	322	324	329	337	338	339	340	340	339	338	337	336	335	
14	330	335	334	336	336	337	332	338	338	333	328	330	332	338	340	342	343	344	346	345	343	342	341	338	
15 *	338	338	338	338	339	338	337	337	337	332	330	331	331	332	337	338	338	339	339	338	338	337	334	335	
16	333	334	337	338	337	338	335	339	338	335	328	320	320	325	334	344	346	347	350	348	347	344	340	339	
17	339	338	335	337	334	334	336	337	336	332	334	332	334	335	336	339	340	339	340	339	341	344	345	337	
18 **	336	328	323	323	320	323	325	327	332	333	326	323	328	338	351	360	373	367	354	347	345	342	342	337	
19	333	335	338	335	332	334	336	337	337	335	335	337	347	348	351	357	357	356	354	349	348	346	345	340	
20	339	336	332	333	337	338	338	339	339	336	335	338	342	348	349	350	350	351	352	352	351	350	341	338	
21	337	338	338	339	340	340	339	340	339	334	328	331	337	338	342	345	347	348	348	347	345	344	343	343	
22	343	342	341	340	341	340	339	339	339	338	335	335	337	339	338	339	343	347	359	363	362	362	358	350	
23 **	351	350	347	344	344	343	343	342	339	332	334	339	342	346	349	353	362	359	360	363	364	362	358	349	
24 **	331	315	315	320	309	302	301	313	320	327	330	336	343	347	356	360	378	379	375	379	372	357	350	348	
25	345	334	326	313	324	328	332	340	345	349	346	350	353	357	360	365	359	356	353	351	350	349	349	346	
26	348	346	348	346	346	345	342	343	343	342	341	341	341	345	350	353	357	357	359	362	357	351	345	345	
27	349	347	347	347	347	348	345	345	341	335	341	344	345	346	354	361	362	357	353	351	351	348	348	346	
28	347	344	347	344	345	345	345	348	350	345	343	345	348	350	352	352	353	351	349	347	347	346	345	345	
29	346	345	346	344	345	344	340	343	344	341	339	335	337	341	346	345	344	345	343	340	341	340	340	340	
30	340	338	335	330	325	330	334	342	345	341	340	339	340	340	346	350	350	350	350	350	354	346	346	346	
31	344	342	343	344	346	343	342	344	343	340	340	339	337	345	354	360	366	370	371	370	369	358	348	347	
Mean	337	335	334	334	334	334	334	337	338	336	334	334	336	339	344	348	351	351	350	349	348	345	342	339	
Mean *	337	337	338	337	336	336	334	335	335	333	329	327	328	330	334	337	338	339	339	338	338	338	336	337	
Mean **	333	327	323	323	319	318	320	326	328	330	330	332	335	340	347	355	366	367	362	360	357	349	342	338	

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
November	43000 γ + Tabular Quantities (in γ)																								
1 **	345	346	346	343	340	341	340	342	343	341	340	339	336	341	349	372	364	362	369	376	370	363	356	344	
2 **	334	320	320	330	332	331	335	341	345	341	336	337	340	349	361	355	354	354	354	353	350	346	344	336	
3 **	337	329	332	337	336	339	338	339	342	343	338	335	338	341	349	354	359	355	353	350	350	345	343	342	
4	343	342	342	343	344	345	342	344	345	339	338	339	341	344	348	348	349	349	349	348	348	345	343	344	
5	342	337	337	336	338	339	340	343	344	342	342	343	344	348	351	352	352	349	349	350	349	347	345	344	
6	343	339	339	339	341	343	339	341	343	339	339	339	341	343	349	349	348	350	354	351	351	349	347	345	
7	343	340	339	339	339	339	339	342	342	337	335	338	339	341	343	344	345	342	343	343	343	342	342	341	
8	341	341	340	340	340	339	335	337	341	338	333	332	334	339	344	344	346	346	349	350	349	345	344	341	
9 *	341	342	342	341	339	338	335	336	337	334	333	333	333	336	339	341	343	341	340	342	343	342	341	340	
10 *	340	340	340	340	339	338	335	337	340	336	336	337	336	339	343	342	343	342	340	340	339	339	339	339	
11	339	339	339	338	337	334	330	331	332	330	330	330	331	335	340	342	343	343	345	345	341	339	337	337	
12	338	337	338	336	337	336	334	335	335	330	328	329	332	335	341	340	343	343	341	342	347	345	342	342	
13	341	339	338	338	339	338	335	335	337	333	328	328	329	334	339	340	342	342	340	339	339	338	338	334	
14	334	336	337	338	338	337	337	335	334	334	333	331	333	338	341	344	346	347	350	351	351	348	345	338	
15 *	335	339	340	340	341	339	336	336	335	331	329	332	334	338	342	342	344	344	344	342	341	340	339	339	
16 *	339	339	338	339	339	339	337	337	336	332	330	330	331	332	336	337	340	340	339	338	339	338	336	336	
17 *	336	337	338	337	338	337	334	334	332	330	331	331	332	336	337	338	338	339	338	338	338	338	337	337	
18	337	337	337	338	338	337	335	334	334	332	332	332	332	334	334	333	337	339	336	336	336	337	337	338	
19	338	339	336	333	329	331	330	332	334	336	336	338	338	341	343	344	344	347	348	353	358	354	349	348	
20 **	348	343	340	338	339	339	337	334	337	340	343	344	344	347	351	353	354	360	356	357	358	354	350	350	
21	348	344	341	338	339	340	339	338	338	336	338	337	339	341	347	345	344	342	342	340	341	339	344	343	
22	337	339	339	340	338	339	337	336	338	338	337	338	339	343	345	345	345	345	344	345	345	345	342	341	
23	345	341	340	339	339	341	339	339	340	338	334	336	334	338	341	344	359	363	360	360	357	354	351	349	
24	349	344	344	342	343	341	339	338	338	335	334	335	338	342	347	345	348	348	345	345	343	341	342	341	
25	342	343	344	342	342	340	336	335	334	334	334	335	338	340	342	343	342	342	340	340	343	344	343	339	
26	339	340	341	341	341	340	338	337	336	333	332	337	340	342	342	343	344	345	344	342	342	344	342	344	
27	343	343	342	342	341	337	333	332	331	330	327	326	329	334	338	340	341	345	341	344	343	340	340	339	
28	340	340	340	340	340	340	336	335	334	333	331	331	337	342	343	344	345	344	344	344	345	345	345	343	
29	340	342	343	342	341	340	339	339	338	335	335	335	338	340	344	351	349	347	346	345	349	348	344	343	
30 **	335	334	337	336	338	329	331	334	335	334	333	335	338	341	345	344	345	346	350	349	347	345	343	340	
Mean	340	339	339	339	339	338	336	337	338	335	334	335	336	340	344	345	347	347	346	347	347	345	343	341	
Mean *	338	339	340	339	339	338	335	336	336	333	332	333	333	336	339	340	342	341	340	340	340	339	338	338	
Mean **	340	334	335	337	337	336	336	338	340	340	338	338	339	344	351	356	355	355	356	357	355	351	347	342	
December	43000 γ + Tabular Quantities (in γ)																								
1	331	332	335	339	339	342	340	342	340	338	339	339	340	340	344	343	345	347	345	344	343	342	342	340	
2	338	337	338	338	339	341	340	339	339	335	333	337	337	339	341	341	343	344	345	342	342	342	340	338	
3	331	333	336	337	338	339	337	337	335	332	332	333	334	334	337	338	339	339	339	339	341	339	338	336	
4	339	337	338	337	338	338	333	334	334	332	331	332	332	334	333	335	337	339	339	341	343	342	341	339	
5	338	338	338	337	337	337	337	337	335	334	336	337	338	339	339	339	342	346	348	346	343	342	341	339	
6	338	338	339	338	337	337	333	335	336	335	335	333	335	336	336	337	337	338	336	338	340	340	339	340	
7 **	339	336	336	335	335	332	329	328	330	331	330	330	333	335	335	334	336	336	336	340	344	346	340	338	
8	339	338	339	337	336	332	332	335	334	332	332	332	332	332	334	337	338	338	337	337	338	338	338	340	
9	338	337	334	333	332	329	328	328	328	325	324	325	326	328	331	334	338	338	337	336	337	335	337	338	
10 *	338	338	338	337	335	333	332	334	331	329	328	330	332	334	338	338	338	337	337	336	337	334	333	334	
11 *	340	339	338	338	338	337	333	332	332	328	330	330	333	334	334	336	337	338	335	334	334	334	332	334	
12	338	338	337	336	337	335	333	332	330	330	332	331	330	333	337	339	342	342	347	352	351	345	343	342	
13	342	344	343	342	342	340	337	337	335	332	332	333	332	334	336	337	342	339	339	344	346	348	345	345	
14 *	344	343	343	342	342	342	339	338	338	334	334	337	337	338	339	338	341	342	342	340	340	339	338	339	
15 *	339	338	338	338	339	340	337	338	338	334	336	337	333	336	337	337	339	338	338	338	339	338	337	337	
16 *	336	338	338	338	338	337	336	335	335	336	337	337	336	334	335	338	337	337	337	336	336	335	334	334	
17 **	334	332	332	332	333	333	333	336	337	337	337	337	337	343	347	348	348	347	347	346	344	344	343	338	
18 **	338	326	330	333	331	329	333	334	334	334	337	338	337	337	337	340	342	344	343	344	344	344	342	338	
19	341	339	338	338	338	338	338	338	338	334	337	336	336	338	339	342	341	340	341	344	344	342	341	340	
20 **	340	340	339	339	339	338	335	336	335	335	336	334	336	337	337	336	337	339	340	343	344	345	334	330	
21	333	336	336	336	336	334	333	331	332	333	334	337	337	339	338	338	338	336	337	338	339	338	338	338	
22	338	333	334	335	336	336	332	333	333	335	334	334	337	338	338	337	338	337	336	337	337	337	336	336	
23	337	338	337	335	335	335	332	330	330	331	332	333	338	338	338	338	338	339	339	340	340	339	338	337	
24	337	339	339	338	335	333	333	333	333	334	336	337	338	338	336	338	339	338	337	338	338	337	336	337	
25	336	332	330	329	329	328	328	330	333	333	333	332	335	337	336	337	338	338	340	338	338	338	338	338	
26	335	337	336	335	334	333	332	334	334	335	336	335	338	338	337	337	338	338	338	336	336	336	335	335	
27 **	334	321	324	329	330	331	331	332	332	333	336	335	338	347	351	350	349	346	345	342	341	342	339	334	
28	337	337	337	334	334	332	334	334	332	332	334	336	338	339	342	340	343	342	340	338	338	335	335	335	
29	336	337	338	338	338	338	335	336	332	331	330	330	330	332	337	339	339	340	342	344	342	339	338	338	
30	338	337	338	337	338	338	338	334	333	329	330	328	330	331	335	335	337	337	338	339	340	338	338	334	
31	337	337	337	336	337	337	336	336	336	336	334	332	335	338	338	334	337	337	339	338	338	338	338	338	
Mean	337	336	337	336	336	336	334	334	334	333	333	334	335	336	338	338	340	340	340	340	341	340	338	337	
Mean *	339	339	339	339	338	338	335	335	335	332	333	334	334	335	337	337	338	338	338	337	337	336	335	336	
Mean **	337	331	332	334	334	333	332	333	334	334	335	335	336	340	341	342	342	342	342	343	343	344	340	336	

* International Quiet Day. ** International Disturbed Day.

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. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1	54.3	12 8	58.2	51.6	2 1	6.6	716	18 14	728	702	0 38	26	324	0 55	332	319	17 0	13
2 **	54.1	12 12	61.1†	46.0	1 39	15.1	705	9 6	730	639†	14 48	91	329	15 17	348	312†	11 55	36
3	54.3	12 24	58.7	52.0	1 8	6.7	707	0 3	721	696	9 41	25	327	0 0	334	321	11 50	13
4 *	54.7	12 58	58.4	53.4	21 36	5.0	713	16 47	724	702	10 34	22	327	18 35	335	319	7 15	16
5	54.8	19 19	60.4	41.7	22 10	18.7	715	22 9	741	687	22 47	54	326	21 23	344	316	11 57	28
6	54.6	13 15	57.7	51.8	0 0	5.9	711	6 26	726	696	0 1	30	325	16 29	335	317	12 22	18
7	54.5	17 32	59.7	48.7	20 5	11.0	710	5 47	727	676	17 56	51	326	18 35	341	314	11 48	27
8	54.5	1 1	58.5	48.6	24 0	9.9	713	1 0	743	691	9 26	52	325	20 37	335	316	1 16	19
9	54.5	13 7	58.1	48.2	0 3	9.9	717	0 2	733	699	1 23	34	325	20 38	333	318	10 56	15
10 *	54.8	12 31	57.9	52.0	20 46	5.9	715	17 45	724	702	9 15	22	325	18 31	332	319	12 2	13
11	54.7	12 47	58.6	48.2	21 29	10.4	718	7 39	733	694	17 21	39	326	21 51	334	317	12 2	17
12	54.9	12 42	59.5	51.5	22 0	8.0	711	9 12	738	666	15 49	72	328	19 26	349	315	13 15	34
13	53.9	13 31	59.8	45.9	21 48	13.9	712	7 28	726	691	3 0	35	327	16 22	334	317	13 16	17
14	54.3	13 43	57.9	49.1	22 35	8.8	718	16 44	732	694	18 31	38	327	20 20	336	319	7 16	17
15	54.5	13 4	58.9	45.5	23 26	13.4	715	23 32	740	696	0 27	44	326	23 10	337	319	12 6	18
16	54.1	12 24	58.4	48.9	19 19	9.5	714	7 46	724	676	18 58	48	327	19 35	339	319	7 16	20
17	54.4	12 55	58.1	51.2	17 54	6.9	714	10 7	724	687	17 58	37	326	18 44	334	316	12 25	18
18	53.9	12 47	59.3	34.2†	22 23	25.1	717	22 36	784†	683	22 8	101	326	22 30	341	315	23 20	26
19 **	52.7	17 8	59.8	40.3	18 12	19.5	698	18 21	726	651	20 30	75	331	20 43	359†	314	1 31	45
20 **	53.3	12 57	59.8	45.9	19 9	13.9	702	20 11	723	672	17 58	51	332	18 6	349	320	9 3	29
21 **	53.3	0 43	58.4	47.4	2 3	11.0	707	0 29	732	680	12 41	52	329	18 31	343	317	1 16	26
22	53.6	12 48	59.0	47.4	19 51	11.6	711	3 30	734	696	9 49	38	328	17 20	340	319	7 3	21
23 **	53.6	3 7	58.9	50.5	19 40	8.4	706	6 10	718	685	11 40	33	328	17 25	339	321	3 40	18
24	53.6	13 20	56.6	51.4	0 0	5.2	711	18 54	722	700	11 29	22	327	18 36	335	319	12 32	16
25	54.0	14 14	57.6	49.1	17 20	8.5	714	8 9	723	696	17 1	27	328	17 25	339	322	12 56	17
26 *	53.8	18 29	57.1	50.8	2 6	6.3	714	7 22	726	699	10 42	27	329	18 25	339	322	12 48	17
27	54.6	14 4	59.0	52.7	0 37	6.3	717	1 5	729	705	16 28	24	328	19 38	337	320	12 18	17
28 *	54.1	13 43	57.5	52.2	2 44	5.3	721	8 32	737	709	0 40	28	325	18 28	332	319	13 22	13
29 *	54.1	13 7	58.0	52.6	1 28	5.4	720	6 3	729	705	16 33	24	324	17 35	333	316	11 1	17
30	53.8	13 28	58.0	48.8	21 19	9.2	717	9 28	730	700	21 16	30	325	22 40	335	313	13 27	22
31	53.9	13 19	58.8	49.0	21 54	9.8	713	7 41	729	685	16 4	44	327	16 44	339	316	9 58	23
Mean	54.1	-	58.6	48.6	-	10.0	713	-	731	689	-	41.8	327	-	338	318	-	20.8
Mean *	54.3	-	57.8	52.2	-	5.6	717	-	728	703	-	24.6	326	-	334	319	-	15.2
Mean **	53.4	-	59.6	46.0	-	13.6	704	-	726	665	-	60.4	330	-	348	317	-	30.8
February	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1	53.4	14 52	62.2	45.1	21 30	17.1	698	23 39	748	648	17 6	100	333	17 29	365	311	6 59	54
2	52.8	14 32	59.8	44.7	1 8	15.1	704	22 45	751	674	14 57	77	327	15 20	342	314	10 57	28
3	53.1	12 6	60.8	45.8	1 20	15.0	705	23 11	754	688	12 24	66	325	20 52	337	313	10 33	24
4	53.2	13 41	56.7	49.2	2 51	7.5	714	8 52	727	699	3 4	28	325	16 44	336	315	11 59	21
5 *	53.5	14 3	57.9	49.3	21 33	8.6	711	21 40	741	687	19 24	54	329	18 28	341	317	13 12	24
6 *	53.7	12 43	57.4	51.5	0 17	5.9	716	7 10	725	705	23 52	20	326	2 28	333	313	10 22	20
7 *	53.8	13 20	58.2	49.0	24 0	9.2	720	13 57	733	695	23 35	38	325	21 7	339	313	12 1	26
8 *	54.0	12 29	58.7	48.7	0 35	10.0	717	19 41	733	696	0 45	37	327	20 26	337	307	10 56	30
9	54.5	18 7	58.9	51.8	0 46	7.1	720	9 18	736	693	15 34	43	326	18 28	340	310	12 2	30
10	54.4	12 40	58.9	47.7	23 56	11.2	716	10 8	729	699	13 14	30	327	20 36	340	315	12 57	25
11	53.5	18 5	59.3	39.9	21 25	19.4	714	1 44	760	686	21 11	74	327	21 33	348	313	13 22	35
12 *	53.8	12 21	58.2	48.8	22 3	9.4	712	17 52	725	691	23 45	34	328	17 19	338	317	11 59	21
13	53.8	13 42	58.9	49.6	21 18	9.3	713	21 52	738	692	10 19	46	328	14 29	336	321	11 4	15
14	53.9	16 19	60.4	46.9	20 59	13.5	711	23 23	733	685	16 10	48	330	21 5	348	318	9 58	30
15 **	53.8	15 3	64.4	44.5	22 17	19.9	704	6 48	740	610	15 31	130	331	15 58	361	309	6 52	52
16	53.1	15 44	61.3	38.9	19 49	22.4	704	20 1	748	648	15 55	100	330	16 38	357	310	2 53	47
17	52.5	13 55	63.0	38.3	19 23	24.7	698	0 18	760	653	14 10	107	332	14 44	357	311	0 53	46
18	53.3	14 12	60.1	36.7	19 5	23.4	706	19 14	764†	658	18 44	106	333	19 9	359	313	11 4	46
19	53.6	12 39	58.9	46.9	20 39	12.0	712	20 47	745	687	15 39	58	330	16 28	346	316	10 58	30
20	53.8	12 56	59.6	49.7	20 20	9.9	714	0 10	727	698	16 36	29	328	17 45	339	313	11 59	26
21	52.7	15 53	64.6†	32.7†	19 1	31.9	703	14 27	736	633	18 56	103	336	18 35	389	313	12 20	76
22 **	52.0	13 39	60.9	37.6	23 3	23.3	698	23 10	756	635	0 19	121	330	16 41	352	308	0 18	44
23 **	52.8	15 31	62.0	39.6	22 29	22.4	696	21 13	745	631	16 18	114	329	16 39	372	306†	2 50	66
24	53.3	13 44	61.8	46.6	0 8	15.2	704	22 13	744	670	11 46	74	332	16 28	344	318	22 48	26
25	53.8	13 31	59.4	49.1	18 44	10.3	705	23 12	726	679	10 23	47	332	18 30	347	322	11 54	25
26 **	53.0	11 44	64.3	34.2	20 12	30.1	702	20 21	754	605†	11 21	149	331	17 43	355	314	9 57	41
27 **	52.3	14 41	60.0	38.7	16 0	21.3	695	21 23	726	641	15 30	85	335	16 11	377†	314	0 11	63
28	52.4	12 58	58.7	41.5	0 36	17.2	706	23 6	735	673	0 32	62	331	16 37	347	317	0 30	30
Mean	53.4	-	60.2	44.4	-	15.8	708	-	741	670	-	70.7	329	-	349	314	-	35.8
Mean *	53.8	-	58.1	49.5	-	8.6	715	-	731	695	-	36.6	327	-	338	313	-	24.2
Mean **	52.8	-	62.3	38.9	-	23.4	699	-	744	624	-	119.8	331	-	363	310	-	53.2

* 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
March	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ+	U.T. h m	18000 γ+	18000 γ+	U.T. h m	γ	43000 γ+	U.T. h m	43000 γ+	43000 γ+	U.T. h m	γ
1 *	52.7	12 53	59.7	40.9	22 56	18.8	711	22 21	743	686	23 16	57	331	22 17	344	319	11 6	25
2	52.9	1 18	59.3	45.5	18 40	13.8	711	23 43	740	683	10 49	57	329	18 43	345	314	12 54	31
3 *	53.6	13 43	60.9	49.8	21 20	11.1	712	21 24	724	685	15 18	39	331	16 26	345	321	11 59	24
4	53.1	13 31	59.9	44.3	21 19	15.6	711	7 49	730	686	22 17	44	331	21 38	345	317	11 59	28
5	53.5	13 21	61.8	45.3	23 3	16.5	711	22 51	739	685	12 17	54	330	16 9	345	314	10 59	31
6	53.0	12 38	60.2	47.1	0 0	13.1	715	16 17	731	692	21 59	39	329	22 20	344	311	12 1	33
7	52.5	14 2	59.8	44.2	20 26	15.6	708	21 2	731	680	10 29	51	331	17 49	348	320	11 42	28
8	53.4	13 20	59.1	46.9	23 58	12.2	716	23 1	739	698	21 47	41	331	22 30	349	317	12 3	32
9	52.5	13 21	60.1	38.4	18 3	21.7	706	6 32	723	663	19 39	60	335	18 22	362	318	11 59	44
10	53.1	14 25	60.2	46.2	23 48	14.0	713	19 12	740	688	14 41	52	333	18 31	346	311	12 29	35
11	52.6	13 9	60.8	43.4	21 22	17.4	709	21 59	754	675	15 10	79	332	16 30	352	315	10 58	37
12	52.8	13 4	60.1	44.8	22 2	15.3	709	7 58	726	687	21 31	39	333	20 11	351	314	12 14	37
13	52.4	14 40	61.5	38.2	20 27	23.3	709	23 51	747	669	16 17	78	336	16 29	358	318	12 45	40
14 **	51.5	13 58	59.5	40.6	17 44	18.9	700	0 38	739	640†	17 41	99	336	17 46	389†	308	1 22	81
15 **	53.3	0 38	62.1	45.4	19 50	16.7	707	18 49	754	670	12 48	84	331	17 26	351	309	1 1	42
16	52.8	12 4	60.1	40.9	19 55	19.2	707	20 7	743	678	19 10	65	335	19 23	354	323	12 19	31
17	52.4	14 58	58.1	42.5	20 19	15.6	711	19 53	752	672	15 48	80	334	16 33	364	316	11 13	48
18	52.9	12 12	61.6	43.5	2 39	18.1	705	0 58	738	673	19 21	65	333	19 43	358	304	2 34	54
19	53.2	13 59	62.8	48.2	22 6	14.6	713	22 35	753	691	16 18	62	336	19 9	353	319	12 20	34
20 **	53.0	13 20	60.8	44.8	19 13	16.0	710	23 41	752	672	18 2	80	334	17 21	358	306	23 55	52
21	52.6	13 48	60.3	42.6	20 6	17.7	706	0 1	737	668	10 12	69	333	20 17	348	305	0 12	43
22	52.1	12 28	61.0	32.1	20 20	28.9	709	20 4	748	655	21 48	93	333	17 27	350	318	11 56	32
23 **	51.8	12 39	63.1	28.8†	19 45	34.3	705	19 52	806†	659	23 59	147	330	19 50	371	293†	23 49	78
24 **	51.8	11 32	58.4	41.2	0 28	17.2	704	22 59	775	656	9 50	119	332	17 47	359	297	0 0	62
25	51.9	13 21	56.2	43.9	19 49	12.3	707	19 59	741	671	8 42	70	330	19 53	343	318	0 11	25
26	52.4	13 29	58.5	45.9	20 4	12.6	712	20 12	761	663	12 30	98	330	17 26	354	313	12 30	41
27 *	52.3	13 49	58.5	47.7	1 28	10.8	715	2 50	732	682	10 57	50	328	20 35	342	314	13 59	28
28 *	52.8	12 39	58.8	49.3	0 47	9.5	719	21 36	742	694	10 16	48	330	17 42	340	316	11 29	24
29 *	52.3	13 15	59.4	43.9	23 59	15.5	715	6 44	728	688	11 31	40	332	20 36	343	317	11 22	26
30	52.5	14 16	65.2†	44.0	0 0	21.2	714	22 44	784	672	13 52	112	330	22 39	356	309	11 58	47
31	52.3	12 51	60.4	43.9	21 10	16.5	709	21 53	731	681	11 56	50	333	17 19	347	310	12 1	37
Mean	52.6	-	60.3	43.4	-	16.9	710	-	745	676	-	68.4	332	-	352	313	-	39.0
Mean *	52.7	-	59.5	46.3	-	13.1	714	-	734	687	-	46.8	330	-	343	317	-	25.4
Mean **	52.3	-	60.8	40.2	-	20.6	705	-	765	659	-	105.8	333	-	366	303	-	63.0
April	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ+	U.T. h m	18000 γ+	18000 γ+	U.T. h m	γ	43000 γ+	U.T. h m	43000 γ+	43000 γ+	U.T. h m	γ
1 *	52.4	13 30	58.9	44.8	22 2	14.1	715	22 14	749	689	10 21	60	331	17 19	352	309	11 55	43
2	52.9	14 29	66.1†	38.5	22 10	27.6	713	14 16	737	670	23 1	67	329	17 46	345	310	10 33	35
3	52.6	13 27	62.4	45.0	22 39	17.4	709	22 50	767	682	10 48	85	330	20 36	346	307	12 16	39
4	51.4	13 7	58.8	40.9	21 3	17.9	714	21 10	753	684	10 21	69	327	16 47	341	312	11 30	29
5	52.9	13 43	60.8	47.6	0 31	13.2	716	24 0	739	684	8 34	55	328	17 25	342	311	11 59	31
6	52.7	13 21	60.6	47.8	9 10	12.8	721	0 13	748	687	10 57	61	328	17 26	342	306	12 20	36
7 *	53.7	14 31	60.9	44.9	19 0	16.0	722	19 7	750	694	11 23	56	330	19 5	350	313	13 4	37
8	52.1	13 29	59.9	43.6	21 40	16.3	719	18 23	751	684	12 38	67	328	18 26	342	309	11 59	33
9	52.5	14 25	60.6	47.0	7 43	13.6	717	22 31	737	683	13 59	54	327	18 26	350	305	12 41	45
10	52.4	13 4	57.6	47.4	8 0	10.2	716	6 51	728	685	17 41	43	329	17 35	350	307	11 24	43
11 **	51.4	23 21	61.7	25.0	23 59	36.7	717	22 2	764	651	23 43	113	329	19 10	370	242	23 40	128
12 **	48.2	12 29	61.6	20.1†	2 33	41.5	692	0 12	786†	612†	3 52	174	314	21 30	350	228†	2 32	122
13	51.5	13 29	59.8	44.9	21 22	14.9	701	21 28	741	668	14 14	73	338	14 38	357	323	10 53	34
14	52.9	13 4	58.8	48.7	8 15	10.1	709	20 10	728	676	9 36	52	331	15 26	349	311	4 59	38
15 **	52.7	14 11	59.9	45.6	19 54	14.3	710	21 8	754	679	13 41	75	331	19 30	357	312	10 30	45
16	52.0	13 20	58.8	46.0	20 10	12.8	713	18 22	732	693	9 29	39	332	20 17	344	315	12 3	29
17	52.5	13 31	59.9	47.0	8 27	12.9	715	23 56	742	696	12 17	46	332	18 34	349	314	11 58	35
18	52.4	13 45	62.6	45.1	21 19	17.5	717	0 8	749	675	11 10	74	330	20 7	345	308	10 59	37
19	53.3	12 30	61.3	46.9	18 56	14.4	717	19 9	749	683	9 58	66	332	19 10	353	311	12 22	42
20 **	52.5	13 48	62.4	43.6	18 23	18.8	711	18 32	743	671	17 56	72	332	18 27	371†	310	12 21	61
21	52.8	13 31	60.0	48.1	8 30	11.9	713	17 41	740	660	12 29	80	330	17 25	354	306	11 16	48
22	52.9	12 44	60.0	48.7	8 40	11.3	718	23 7	733	686	12 30	47	326	18 25	338	305	12 17	33
23 **	51.8	13 29	62.7	41.5	20 50	21.2	718	20 59	757	675	11 30	82	328	19 23	358	305	11 20	53
24	51.7	13 17	58.7	45.0	19 41	13.7	716	23 17	758	684	10 12	74	329	19 19	347	308	11 48	39
25 *	52.4	12 32	58.9	46.5	0 22	12.4	718	20 25	745	699	10 21	46	329	19 28	342	311	12 20	31
26	52.0	13 32	61.4	45.5	4 11	15.9	717	18 39	744	689	14 21	55	328	20 30	345	307	13 16	38
27	51.7	13 32	58.0	43.2	1 18	14.8	710	19 39	744	684	7 21	60	329	19 35	350	309	2 33	41
28 *	52.4	13 31	57.1	47.7	6 55	9.4	722	19 1	745	702	11 14	43	330	17 27	342	316	12 41	26
29 *	52.6	13 3	59.7	46.9	1 13	12.8	724	0 31	749	701	9 17	48	327	19 39	338	302	12 3	36
30	52.0	12 32	59.7	46.1	7 40	13.6	717	17 43	733	685	12 25	48	331	17 29	344	314	10 41	30
Mean	52.2	-	60.3	44.0	-	16.3	715	-	746	680	-	66.1	329	-	349	305	-	43.9
Mean *	52.7	-	59.1	46.2	-	12.9	720	-	748	697	-	50.6	329	-	345	310	-	34.6
Mean **	51.3	-	61.7	35.2	-	26.5	710	-	761	658	-	103.2	327	-	361	279	-	81.8

* 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
May	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1 *	51.6	12 38	57.6	45.8	7 22	11.8	719	23 32	738	705	12 43	33	329	0 50	337	315	12 12	22
2	51.7	14 18	58.7	44.3	6 45	14.4	724	18 59	740	693	4 51	47	326	18 36	337	308	12 3	29
3	52.7	13 51	59.9	47.1	6 57	12.8	726	21 58	757	703	9 38	54	328	16 46	341	306	11 47	35
4 **	52.8	12 32	60.7†	43.7	22 6	17.0	726	22 11	763	705	23 6	58	329	18 40	354†	302	11 41	52
5	52.6	12 43	59.3	48.6	3 0	10.7	720	17 40	740	696	11 50	44	329	17 21	342	306	11 31	36
6	52.3	13 57	57.7	48.5	3 29	9.2	722	0 57	740	696	10 40	44	327	17 30	345	306	12 23	39
7 *	52.5	13 40	59.0	47.8	8 10	11.2	730	17 43	756	706	10 40	50	326	17 43	339	309	12 33	30
8	52.1	14 27	60.7†	44.2	23 50	16.5	725	19 13	753	701	16 56	52	328	20 39	346	303	12 15	43
9 **	51.5	13 20	57.6	44.2	0 2	13.4	714	21 9	753	680†	10 17	73	327	19 26	348	304	10 21	44
10	52.5	12 3	58.1	47.1	6 13	11.0	726	18 46	759	701	11 20	58	328	20 40	343	303	11 39	40
11 **	51.7	12 32	58.7	45.1	5 46	13.6	725	1 39	756	684	9 34	72	326	19 18	351	307	12 3	44
12	52.2	13 59	57.7	48.3	6 52	9.4	726	18 24	757	697	10 21	60	332	18 7	351	315	12 2	36
13	51.5	13 56	58.2	45.2	7 44	13.0	723	19 12	746	683	13 41	63	332	19 41	347	313	12 2	34
14	52.1	14 19	56.8	46.4	5 7	10.4	725	0 32	757	688	10 13	69	329	17 27	342	312	10 59	30
15	52.4	14 30	59.8	47.7	6 44	12.1	732	14 13	771	710	10 18	61	328	17 25	339	306	12 41	33
16	52.7	13 39	59.8	47.7	7 18	12.1	729	21 49	745	703	10 26	42	326	18 46	337	311	12 18	26
17 *	52.6	12 40	59.7	47.7	8 47	12.0	736	23 22	754	708	10 30	46	327	17 28	342	307	11 20	35
18 **	51.0	13 40	59.7	43.8	23 51	15.9	728	1 4	757	687	12 32	70	326	19 27	351	299	11 50	52
19	51.9	14 21	60.0	43.8	0 18	16.2	727	22 32	774	695	9 33	79	330	18 28	343	312	12 41	31
20	51.4	14 12	59.5	44.7	0 15	14.8	729	20 55	777†	698	9 46	79	324	19 27	340	299	12 2	41
21 **	51.6	14 21	60.3	45.9	4 22	14.4	725	19 1	766	687	15 38	79	326	18 45	348	303	12 20	45
22	51.5	12 28	57.5	46.2	6 26	11.3	726	22 56	755	699	11 17	56	325	19 10	339	304	11 31	35
23	51.9	12 57	57.7	46.5	6 23	11.2	726	19 6	747	699	8 30	48	329	17 47	343	306	12 3	37
24	52.8	14 12	58.5	48.5	5 43	10.0	731	18 43	751	700	9 21	51	327	18 42	346	300	13 4	46
25 *	52.1	14 19	57.8	47.8	2 40	10.0	731	20 5	752	704	12 25	48	325	19 19	339	303	12 25	36
26	52.3	13 58	57.6	47.7	4 42	9.9	733	16 57	751	717	14 59	34	328	19 34	340	307	12 50	33
27	51.6	12 49	57.2	46.7	3 45	10.5	727	19 7	743	709	12 37	34	326	17 26	340	306	11 14	34
28	51.8	13 33	57.7	46.4	6 55	11.3	727	19 6	747	690	9 32	57	328	19 38	342	304	12 21	38
29	50.9	13 20	59.3	42.8†	4 20	16.5	732	18 10	751	708	14 56	43	324	18 49	342	294	11 29	48
30 *	52.0	12 23	59.2	44.8	6 8	14.4	731	21 32	747	703	10 28	44	323	17 49	337	293†	12 16	44
31	52.2	11 59	57.7	47.6	6 48	10.1	739	18 32	760	716	15 49	44	323	18 21	338	294	11 29	44
Mean	52.0	-	58.7	46.2	-	12.5	727	-	754	699	-	54.6	327	-	343	305	-	37.8
Mean *	52.2	-	58.7	46.8	-	11.9	729	-	749	705	-	44.2	326	-	339	305	-	33.4
Mean **	51.7	-	59.4	44.5	-	14.9	724	-	759	689	-	70.4	327	-	350	303	-	47.4
June	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1	51.9	13 48	59.2	46.9	5 46	12.3	730	2 40	751	694	10 21	57	322	17 27	342	290†	12 4	52
2	52.4	13 43	58.7	47.3	7 20	11.4	732	22 31	745	703	10 29	42	325	18 35	341	299	11 58	42
3	51.7	14 11	58.6	45.8	6 10	12.8	733	18 51	756	708	10 48	48	325	17 28	337	307	12 40	30
4	52.2	12 48	58.4	46.4	6 20	12.0	730	18 58	754	691	8 32	63	322	18 11	338	296	11 48	42
5 *	51.8	14 48	57.4	46.9	7 57	10.5	735	18 23	755	713	8 36	42	325	19 34	341	294	11 24	47
6	52.0	13 23	59.3	46.1	7 30	13.2	734	19 57	759	707	13 39	52	326	17 52	338	306	11 48	32
7	52.2	14 27	60.7†	46.4	7 30	14.3	735	18 11	768	704	14 59	64	325	18 11	344	303	12 14	41
8 *	52.2	14 15	57.5	46.6	6 10	10.9	737	18 55	755	716	11 36	39	324	16 44	337	308	13 4	29
9	51.7	14 0	58.0	45.6	7 19	12.4	738	22 25	768	710	11 24	58	322	17 28	331	299	11 20	32
10 **	51.5	12 30	56.4	45.7	5 27	10.7	732	1 25	763	703	11 57	60	324	18 42	345	302	10 49	43
11 *	51.4	14 23	55.8	45.9	6 12	9.9	725	21 40	739	699	10 52	40	327	4 28	337	307	11 30	30
12 **	52.0	13 32	58.5	44.6	19 52	13.9	732	18 36	763	696	17 48	67	325	19 53	350†	299	11 26	51
13 **	52.2	15 2	58.5	45.8	7 21	12.7	731	17 33	776	702	9 21	74	326	19 48	346	303	10 59	43
14 **	51.7	12 39	58.6	45.5	6 34	13.1	731	18 0	750	698	12 48	52	324	19 36	338	301	11 8	37
15	51.1	13 23	56.8	45.8	5 37	11.0	730	19 25	752	706	7 49	46	328	17 29	343	311	11 3	32
16 *	52.0	13 24	57.5	46.7	6 10	10.8	732	20 3	746	702	10 21	44	326	17 26	340	303	11 56	37
17	52.6	14 8	59.6	47.5	6 26	12.1	738	23 8	765	695	10 41	70	325	17 27	336	303	11 48	33
18	51.9	13 3	59.7	44.0	20 50	15.7	735	18 21	779	702	10 33	77	326	17 27	339	307	11 49	32
19	51.7	14 45	58.6	47.5	7 6	11.1	732	19 11	756	685	11 22	71	328	18 36	342	315	14 2	27
20	51.3	13 42	59.6	45.1	5 52	14.5	732	19 14	753	696	11 21	57	328	19 27	342	313	12 32	29
21	51.5	14 11	59.5	44.8	23 41	14.7	732	23 50	770	695	12 39	75	328	6 58	341	311	11 4	30
22	50.2	14 42	57.0	43.4	1 57	13.6	728	0 0	757	700	13 27	57	326	19 28	341	313	13 18	28
23	51.0	14 54	55.8	46.6	8 40	9.2	733	18 16	770	709	12 57	61	329	19 9	344	313	12 14	31
24 *	51.2	14 21	57.3	44.9	6 54	12.4	733	18 53	753	699	10 56	54	326	18 29	338	312	12 26	26
25	50.9	13 33	57.5	45.7	6 10	11.8	734	17 10	755	682†	14 0	73	326	19 30	339	307	13 58	32
26	51.5	14 24	58.3	45.6	7 50	12.7	740	20 51	766	717	11 16	49	324	17 38	336	306	13 49	30
27	50.5	14 50	55.7	44.9	7 30	10.8	739	22 8	765	709	13 13	56	326	17 48	343	312	10 59	31
28 **	51.0	12 39	56.4	44.9	5 43	11.5	729	0 30	749	709	6 32	40	331	17 21	349	318	2 45	31
29	51.3	14 28	57.6	45.7	8 1	11.9	729	23 11	756	708	13 31	48	330	17 47	343	308	11 48	35
30	50.8	14 3	58.4	42.0†	23 19	16.4	735	23 28	783†	704	8 50	79	329	17 36	344	305	10 57	39
Mean	51.6	-	58.0	45.7	-	12.3	733	-	759	702	-	57.2	326	-	341	306	-	35.1
Mean *	51.7	-	57.1	46.2	-	10.9	732	-	750	706	-	43.8	326	-	339	305	-	33.8
Mean **	51.7	-	57.7	45.3	-	12.4	731	-	760	702	-	58.6	326	-	346	305	-	41.0

* 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. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ+	U.T. h m	18000 γ+	18000 γ+	U.T. h m	γ	43000 γ+	U.T. h m	43000 γ+	43000 γ+	U.T. h m	γ
1 **	51.4	14 4	59.6	45.7	8 23	13.9	727	0 0	774	689	10 16	85	330	17 21	353	311	12 16	42
2 *	50.9	13 25	58.4	44.7	6 58	13.7	727	17 33	744	701	9 30	43	332	17 28	352	308	11 48	44
3 *	51.5	12 28	58.4	44.7	7 20	13.7	734	18 2	752	714	10 48	38	327	16 19	339	303	12 18	36
4 *	50.5	12 53	56.6	44.8	5 51	11.8	731	18 5	750	701	13 18	49	327	18 35	338	308	11 48	30
5	51.2	16 57	58.5	44.6	6 59	13.9	736	16 51	770	704	11 32	66	325	17 29	340	291†	11 49	49
6	50.5	19 48	54.7	46.1	6 53	8.6	737	17 46	760	711	13 2	49	329	19 34	350	308	12 51	42
7	50.3	14 9	56.1	44.5	6 30	11.6	726	0 41	752	675†	10 30	77	330	19 16	342	319	9 55	23
8	50.6	15 31	55.7	45.5	9 3	10.2	729	17 44	753	699	11 17	54	330	19 27	346	313	12 50	33
9 *	51.1	12 39	56.1	47.2	8 43	8.9	733	19 32	756	711	13 22	45	328	17 28	338	309	11 2	29
10 *	51.1	14 5	59.2	46.4	6 34	12.8	734	23 59	751	703	9 25	48	328	18 35	339	307	12 40	32
11	50.8	13 21	56.9	45.6	5 37	11.3	737	20 55	758	717	11 30	41	326	19 19	334	307	12 17	27
12	51.2	14 28	60.1†	46.6	9 9	13.5	740	23 23	791	708	17 1	83	326	17 28	346	297	12 41	49
13	51.0	13 33	56.7	45.6	7 19	11.1	731	23 23	752	705	11 13	47	328	17 36	339	303	11 47	36
14 **	51.2	15 23	57.6	45.4	8 18	12.2	734	4 16	753	709	10 40	44	328	17 28	347	311	10 4	36
15	51.2	14 13	58.3	47.3	6 54	11.0	728	18 32	744	683	11 28	61	328	16 26	341	303	11 51	38
16	50.3	15 59	56.2	46.4	6 52	9.8	732	19 4	761	704	12 48	57	330	19 36	346	307	12 30	39
17	50.3	14 8	57.7	44.4	6 50	13.3	730	23 59	777	704	9 44	73	331	16 44	346	316	8 57	30
18	49.9	13 48	59.1	42.6†	2 2	16.5	732	0 5	805†	699	11 31	106	326	17 49	342	310	10 24	32
19	51.0	15 3	59.1	45.8	8 46	13.3	733	18 33	780	698	12 49	82	330	18 28	346	313	12 50	33
20	49.7	13 51	54.1	44.5	5 24	9.6	727	0 36	746	696	10 40	50	329	19 29	343	311	12 24	32
21	50.7	14 42	55.7	45.6	8 13	10.1	730	19 32	759	695	10 16	64	331	17 31	349	312	11 57	37
22	50.1	13 43	54.7	45.6	5 57	9.1	728	19 4	749	705	9 54	44	329	19 8	342	313	12 28	29
23	50.3	14 21	55.7	45.3	6 53	10.4	731	22 50	747	695	11 43	52	328	20 40	338	309	11 18	29
24	51.4	13 42	57.4	45.9	2 9	11.5	732	1 2	757	707	11 2	50	328	19 33	346	313	11 40	33
25 **	51.2	12 58	58.4	45.4	6 3	13.0	729	3 20	752	682	11 53	70	333	16 7	347	318	11 20	29
26	50.2	12 39	57.5	43.8	5 59	13.7	729	17 33	755	695	12 41	60	331	15 35	343	311	11 10	32
27 **	50.5	12 52	57.6	44.6	5 24	13.0	732	22 9	761	705	15 1	56	330	16 26	347	314	10 9	33
28 **	50.9	14 22	59.0	44.5	7 10	14.5	728	14 23	760	676	17 1	84	332	17 28	365†	311	10 18	54
29	50.3	13 28	56.5	45.4	5 50	11.1	725	18 16	748	685	11 17	63	334	15 27	346	321	13 13	25
30	50.0	13 18	57.8	45.1	6 34	12.7	734	0 52	752	707	9 13	45	333	16 25	347	321	12 56	26
31	50.4	14 3	57.6	45.6	5 58	12.0	728	23 30	749	696	8 31	53	332	17 29	343	316	13 10	27
Mean	50.7	-	57.3	45.3	-	12.0	731	-	759	699	-	59.3	329	-	345	310	-	34.4
Mean *	51.0	-	57.7	45.6	-	12.2	732	-	751	706	-	44.6	328	-	341	307	-	34.2
Mean **	51.0	-	58.4	45.1	-	13.3	730	-	760	692	-	67.8	331	-	352	313	-	38.8
August	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ+	U.T. h m	18000 γ+	18000 γ+	U.T. h m	γ	43000 γ+	U.T. h m	43000 γ+	43000 γ+	U.T. h m	γ
1	50.7	14 29	58.5	45.5	8 10	13.0	727	20 2	745	679	13 5	66	333	17 53	351	314	12 7	37
2	50.4	14 50	55.7	44.5	8 9	11.2	725	17 46	744	695	11 2	49	333	18 20	353	308	12 22	45
3 *	49.8	12 48	56.4	44.4	8 46	12.0	730	19 34	748	699	10 32	49	333	17 21	342	312	13 4	30
4 *	50.9	13 29	59.3	44.7	6 54	14.6	733	19 3	755	706	7 58	49	333	19 6	349	316	12 22	33
5 *	50.5	12 56	56.5	43.4	22 50	13.1	731	22 52	752	705	9 32	47	335	19 20	354	320	12 5	34
6 **	49.0	13 15	59.2	34.5†	20 53	24.7	727	21 11	778	682	13 2	96	333	21 10	356†	316	10 59	40
7	50.1	14 8	57.6	44.5	7 43	13.1	724	19 3	756	681	10 6	75	335	19 20	352	311	11 42	41
8 *	50.8	13 19	56.5	46.3	6 1	10.2	730	17 38	748	703	11 21	45	333	18 13	346	317	12 56	29
9	49.7	12 38	57.7	44.5	7 50	13.2	732	23 39	765	690	14 52	75	334	18 23	347	317	12 52	30
10	49.7	13 30	55.8	45.8	6 40	10.0	728	0 10	756	699	10 33	57	334	16 19	351	319	0 42	32
11	49.8	12 27	56.6	45.4	4 23	11.2	729	2 26	747	696	10 57	51	330	16 28	343	316	12 53	27
12	50.0	13 48	56.5	45.9	3 12	10.6	731	1 10	754	704	9 43	50	332	17 26	345	317	10 59	28
13 *	50.3	12 28	57.0	46.4	7 20	10.6	733	19 22	753	700	8 50	53	332	16 19	343	316	12 3	27
14	49.9	12 53	56.6	45.5	6 53	11.1	733	0 32	765	708	6 54	57	330	15 16	343	317	12 0	26
15	49.7	13 22	57.4	42.0	19 36	15.4	733	23 25	762	700	8 29	62	329	19 37	350	310	11 32	40
16	49.6	13 25	57.8	43.8	6 0	14.0	725	22 47	745	684	14 11	61	334	17 13	352	313	10 48	39
17	50.2	12 26	56.5	45.7	6 10	10.8	725	19 8	745	681	8 50	64	334	17 28	351	314	10 6	37
18	50.7	12 53	56.9	46.5	20 29	10.4	727	20 40	751	693	9 16	58	332	19 20	343	316	11 56	27
19	50.0	13 29	56.8	43.9	8 46	12.9	729	23 55	766	694	9 3	72	330	17 27	347	309	10 52	38
20	50.7	14 49	58.4	46.5	8 10	11.9	729	0 0	764	703	16 19	61	329	17 25	350	312	11 53	38
21	50.6	7 9	55.7	46.8	2 44	8.9	730	4 50	757	671	10 49	86	330	19 26	343	312	10 33	31
22 **	49.7	1 22	56.0	42.1	22 29	13.9	726	1 31	778	698	9 34	80	325	19 25	343	303	2 54	40
23	49.8	13 29	58.7	41.9	20 9	16.8	726	23 52	751	707	11 49	44	333	20 12	347	318	11 17	29
24 **	49.9	13 18	60.1	40.2	19 51	19.9	728	24 0	768	667†	14 33	101	332	15 19	350	313	11 40	37
25	50.2	12 37	56.0	46.5	7 25	9.5	726	0 1	768	695	8 41	73	332	17 27	343	318	0 29	25
26 **	50.2	5 42	60.5†	43.9	20 57	16.6	726	20 59	759	701	9 28	58	334	17 16	348	317	6 25	31
27	49.3	13 25	56.6	39.2	2 19	17.4	726	1 8	781†	699	10 39	82	329	19 41	347	302†	1 40	45
28	49.9	23 50	57.8	44.5	2 53	13.3	730	23 50	760	689	9 55	71	326	23 50	340	307	10 29	33
29 **	50.3	12 34	58.4	46.3	8 10	12.1	722	0 33	755	674	8 43	81	331	18 50	343	318	1 8	25
30	50.5	13 29	56.8	46.7	19 20	10.1	722	1 0	741	690	8 36	51	336	16 17	355	322	12 16	33
31	50.0	14 12	56.9	45.8	7 23	11.1	727	22 8	769	693	18 29	76	334	18 57	352	317	12 3	35
Mean	50.1	-	57.3	44.3	-	13.0	728	-	758	693	-	64.5	332	-	348	314	-	33.6
Mean *	50.5	-	57.1	45.0	-	12.1	731	-	751	703	-	48.6	333	-	347	316	-	30.6
Mean **	49.8	-	58.8	41.4	-	17.4	726	-	768	684	-	83.2	331	-	348	313	-	34.6

* 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
September	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ+	U.T. h m	18000 γ+	18000 γ+	U.T. h m	γ	43000 γ+	U.T. h m	43000 γ+	43000 γ+	U.T. h m	γ
1 **	49.1	13 50	60.5	39.9	21 36	20.6	720	23 47	779	676	4 10	103	337	16 27	374	298	24 0	76
2	49.0	13 24	56.4	38.2	0 39	18.2	718	22 10	757	671	10 40	86	331	17 27	357	282†	0 23	75
3	49.9	14 27	59.4	35.3	19 43	24.1	716	23 40	781	659	11 52	122	340	16 6	369	314	23 59	55
4	50.0	13 50	58.4	44.7	1 13	13.7	719	22 33	751	666	16 23	85	337	16 53	365	312	0 20	53
5	50.2	12 31	58.4	44.9	8 30	13.5	718	1 10	749	678	10 48	71	335	17 37	351	316	10 19	35
6	49.0	12 52	56.7	24.3	19 21	32.4	720	19 29	836†	688	17 4	148	338	19 28	387	321	12 49	66
7	48.7	13 29	55.2	40.2	17 53	15.0	718	20 49	753	684	9 19	69	337	17 29	356	321	11 57	35
8 *	49.5	12 40	56.6	42.7	18 20	13.9	723	0 13	746	695	18 2	51	333	18 38	354	311	11 58	43
9	50.5	13 29	58.1	45.8	6 27	12.3	718	21 28	756	679	15 27	77	337	16 26	357	319	11 51	38
10	49.8	13 29	56.0	45.6	8 35	10.4	722	23 35	751	692	10 21	59	337	16 45	350	323	12 3	27
11	49.1	12 44	57.6	43.0	17 40	14.6	718	22 8	742	683	12 12	59	337	17 42	354	321	10 57	33
12 *	50.4	12 30	58.1	46.8	19 48	11.3	725	23 7	749	696	10 33	53	334	19 20	342	318	10 32	24
13 *	49.3	12 48	56.1	40.1	23 16	16.0	730	22 37	788	702	23 50	86	333	6 39	344	317	11 49	27
14 **	49.2	12 43	61.4†	41.1	22 40	20.3	714	22 16	785	656	13 2	129	333	15 29	358	305	5 57	53
15	50.8	12 48	60.4	44.8	8 3	15.6	716	6 6	731	652	9 43	79	335	17 27	354	314	11 4	40
16	50.3	13 26	59.4	42.9	18 19	16.5	721	1 5	770	682	14 27	88	329	18 23	354	304	11 6	50
17	48.7	13 28	56.4	41.3	21 18	15.1	724	1 35	765	693	9 40	72	329	20 30	344	310	1 56	34
18	49.1	13 4	57.3	40.3	19 3	17.0	720	0 54	778	670	10 49	108	330	19 20	354	312	1 18	42
19 *	48.7	13 20	56.8	41.0	18 44	15.8	718	23 52	732	693	10 31	39	331	19 6	349	311	11 34	38
20 **	49.1	15 11	59.7	21.0†	19 51	38.7	709	20 12	787	630†	18 25	157	342	16 46	423†	314	5 10	109
21 **	48.9	12 3	54.9	32.9	18 2	22.0	707	18 13	774	662	15 54	112	342	18 8	372	323	5 48	49
22	48.6	13 24	54.8	44.6	19 32	10.2	714	22 48	739	679	14 5	60	339	17 26	351	326	11 43	25
23 *	49.3	12 27	54.6	46.2	19 34	8.4	716	0 6	729	692	11 34	37	337	7 2	344	330	13 14	14
24	49.1	12 40	54.7	36.3	22 33	18.4	724	20 13	745	699	11 26	46	334	17 25	345	320	11 14	25
25	48.3	12 28	56.4	34.4	20 23	22.0	719	20 30	753	684	15 10	69	334	16 32	354	319	11 43	35
26	49.4	13 16	57.6	44.3	18 37	13.3	723	22 59	743	693	8 30	50	333	18 43	345	318	11 48	27
27	48.6	14 4	55.7	35.2	18 41	20.5	721	23 51	746	680	17 30	66	337	18 49	358	323	11 5	35
28	49.2	14 4	56.3	40.1	1 8	16.2	720	0 30	771	688	14 45	83	332	16 34	347	318	0 59	29
29 **	47.6	14 38	57.7	24.0	21 39	33.7	715	17 32	763	650	21 26	113	334	17 21	367	314	21 29	53
30	49.1	6 18	56.3	38.7	19 37	17.6	720	23 38	785	688	12 58	97	335	23 35	348	320	7 59	28
Mean	49.3	-	57.3	39.4	-	17.9	719	-	761	679	-	82.5	335	-	358	315	-	42.4
Mean *	49.4	-	56.4	43.4	-	13.1	722	-	749	696	-	53.2	334	-	347	317	-	29.2
Mean **	48.8	-	58.8	31.8	-	27.1	713	-	778	655	-	122.8	338	-	379	311	-	68.0
October	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ+	U.T. h m	18000 γ+	18000 γ+	U.T. h m	γ	43000 γ+	U.T. h m	43000 γ+	43000 γ+	U.T. h m	γ
1 **	48.8	7 30	55.7	29.6	17 21	26.1	710	0 0	760	667	9 51	93	335	17 22	383	301	5 19	82
2	48.5	14 16	54.9	37.8	22 50	17.1	718	21 19	757	686	11 25	71	337	21 11	348	323	22 32	25
3 **	47.6	14 16	55.3	34.1	22 30	21.2	713	21 19	766	671	22 20	95	332	18 13	364	303	1 59	61
4	48.0	13 41	54.5	33.1	0 23	21.4	715	1 55	767	676	0 50	91	333	16 28	363	280†	1 39	83
5	48.4	13 43	54.5	40.6	20 13	13.9	722	20 20	772	698	16 49	74	337	17 20	350	327	13 17	23
6	49.8	14 52	57.5	35.3	17 20	22.2	714	17 28	754	653	13 20	101	344	17 26	384	328	6 49	56
7	48.9	12 9	54.6	42.5	17 23	12.1	714	22 44	732	680	17 12	52	342	17 33	359	332	11 19	27
8	49.2	15 2	55.0	43.3	18 59	11.7	718	22 43	763	678	13 36	85	341	17 20	354	326	23 32	28
9 *	48.5	14 10	52.4	45.6	0 48	6.8	723	7 9	737	706	11 38	31	335	23 47	349	325	0 2	24
10 *	48.6	13 31	54.1	45.2	19 21	8.9	725	3 50	736	708	10 30	28	333	19 50	345	320	11 26	25
11	48.4	13 30	53.2	45.2	2 36	8.0	725	5 22	737	701	12 17	36	336	16 28	347	328	11 53	19
12 *	48.9	13 3	54.4	44.4	8 47	10.0	728	18 31	737	705	11 27	32	336	18 34	342	328	13 40	14
13 *	49.1	12 43	55.1	44.3	8 30	10.8	728	23 39	750	696	10 39	54	336	18 17	345	320	11 55	25
14	48.4	13 30	55.4	39.2	20 28	16.2	722	0 9	750	688	10 41	62	338	18 32	350	325	10 31	25
15 *	49.1	13 8	55.4	44.7	8 23	10.7	727	5 33	741	692	10 15	49	336	18 31	345	328	10 31	17
16	49.1	15 3	56.1	43.3	18 19	12.8	725	0 50	741	685	15 48	56	337	18 21	358	315	12 7	43
17	48.5	12 51	53.5	42.0	22 17	11.5	726	22 59	744	693	11 30	51	337	22 49	347	326	11 31	21
18 **	48.4	13 51	60.3	34.1	16 13	26.2	716	3 49	762	641†	14 40	121	338	16 28	385	316	11 5	69
19	48.5	14 44	55.4	39.6	17 50	15.8	715	22 52	750	656	12 2	94	343	15 51	362	328	0 22	34
20	49.2	8 33	55.6	44.3	23 28	11.3	712	4 22	739	675	12 52	64	342	18 30	356	330	10 28	26
21	48.7	12 4	54.5	44.5	0 48	10.0	721	19 46	745	699	10 40	46	340	18 30	353	326	10 49	27
22	48.0	13 18	55.0	36.0	23 30	19.0	713	7 25	736	671	21 2	65	345	19 10	369	329	11 3	40
23 **	46.5	12 49	59.2	31.6	23 12	27.6	703	8 20	741	641†	20 28	100	349	20 6	370	328	9 55	42
24 **	49.1	13 33	61.8†	27.1†	0 27	34.7	698	4 25	780†	656	18 39	124	340	16 39	392†	300	6 23	92
25	48.0	12 28	56.3	42.8	1 30	13.5	709	0 39	754	663	11 13	91	345	15 12	370	309	3 30	61
26	48.3	12 48	54.4	39.8	19 13	14.6	716	21 42	741	683	18 30	58	348	19 9	367	336	12 2	31
27	48.8	14 59	54.8	44.2	7 50	10.6	715	8 4	745	659	9 42	86	348	16 19	372	328	9 31	44
28	48.3	12 48	53.3	44.3	8 38	9.0	719	0 32	733	689	10 27	44	347	16 43	358	341	10 56	17
29	48.2	13 3	53.4	40.6	23 12	12.8	728	18 52	741	689	11 32	52	342	14 44	350	331	11 57	19
30	47.6	13 28	56.2	37.2	21 47	19.0	717	4 19	755	689	14 48	66	342	20 29	357	321	4 30	36
31	47.8	14 33	54.0	33.2	21 8	20.8	710	5 30	740	676	20 31	64	350	18 43	374	333	11 59	41
Mean	48.5	-	55.3	39.7	-	15.7	718	-	749	680	-	68.9	340	-	360	322	-	38.0
Mean *	48.8	-	54.3	44.8	-	9.4	726	-	740	701	-	38.8	335	-	345	324	-	21.0
Mean **	48.1	-	58.5	31.3	-	27.2	708	-	762	655	-	106.6	339	-	379	310	-	69.2

* 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
November	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1 **	47.9	13 50	57.1†	26.3†	19 59	30.8	709	23 9	754	650	19 54	104	350	20 2	383†	334	12 52	49
2 **	47.4	5 8	55.7	37.0	0 10	18.7	714	1 55	770†	669	13 33	101	342	14 22	365	313†	1 20	52
3 **	48.9	5 20	54.2	40.7	15 50	13.5	714	20 49	749	683	15 32	66	343	16 26	364	328	11 1	36
4	48.0	13 29	52.3	43.8	17 13	8.5	721	21 4	734	692	11 21	42	344	17 33	356	334	10 59	22
5	47.9	12 31	52.4	41.8	0 10	10.6	721	0 21	752	692	12 17	60	344	15 24	356	334	3 12	22
6	47.6	12 47	52.4	36.0	18 19	16.4	723	0 38	751	692	18 10	59	344	18 28	361	336	11 56	25
7	48.5	13 16	52.4	46.0	9 19	6.4	729	1 23	740	719	12 59	21	341	16 27	348	332	9 59	16
8	48.7	13 42	53.0	43.4	20 22	9.6	726	20 48	742	701	18 23	41	341	19 37	355	327	11 8	28
9 *	48.5	13 8	53.3	45.5	8 50	7.8	730	7 38	741	709	15 46	32	339	17 36	349	330	11 31	19
10 *	48.5	12 43	52.8	45.4	1 4	7.4	730	23 4	738	712	10 41	26	339	16 45	349	331	7 1	18
11	48.9	13 29	55.5	43.1	18 43	12.4	731	7 59	745	707	18 22	38	337	18 29	350	325	11 2	25
12	48.6	12 48	56.2	45.1	21 58	11.1	730	6 21	750	707	19 40	43	338	20 15	350	324	10 48	26
13	48.4	13 29	53.0	44.5	23 12	8.5	732	22 42	746	713	10 34	33	337	17 27	346	324	12 2	22
14	48.3	13 22	52.5	44.1	0 58	8.4	727	23 24	750	707	18 20	43	340	19 44	358	328	12 2	30
15 *	48.4	16 29	50.7	44.9	0 17	5.8	732	17 53	741	720	12 38	21	338	17 18	347	325	10 41	22
16 *	48.5	12 53	51.6	46.2	8 45	5.4	736	20 3	744	724	11 28	20	337	17 28	345	328	11 4	17
17 *	48.7	12 54	51.0	46.9	23 58	4.1	740	8 16	751	728	23 42	23	336	17 27	342	325	9 26	17
18	49.1	13 30	52.2	46.9	0 15	5.3	741	17 44	761	728	14 49	33	336	17 37	345	325	10 46	20
19	48.0	4 0	52.3	42.9	20 59	9.4	724	7 8	751	685	19 57	66	341	20 33	363	325	7 32	38
20 **	48.2	13 4	55.3	42.5	17 11	12.8	716	7 2	741	681	17 0	60	347	17 21	368	330	7 16	38
21	47.8	12 23	51.4	43.9	22 19	7.5	726	19 24	739	703	13 56	36	341	0 12	351	333	10 59	18
22	48.0	12 52	51.4	45.3	22 30	6.1	730	5 28	744	711	8 36	33	341	17 46	349	333	12 3	16
23	47.9	16 28	54.2	37.6	19 10	16.6	722	6 39	743	647†	16 19	96	345	16 45	369	330	10 16	39
24	48.1	12 9	51.6	42.0	19 28	9.6	724	19 41	738	703	16 2	35	342	0 40	353	330	10 32	23
25	48.4	13 40	52.0	40.4	23 16	11.6	734	23 11	755	711	11 55	44	340	17 38	348	330	11 6	18
26	48.2	13 48	53.4	43.1	23 22	10.3	732	18 19	743	712	22 39	31	340	17 41	350	328	10 32	22
27	48.1	12 48	52.2	41.4	19 12	10.8	739	9 57	755	719	18 58	36	338	17 11	349	321	11 2	28
28	48.2	13 47	52.5	43.8	21 54	8.7	731	10 34	742	707	13 22	35	340	20 26	350	326	10 48	24
29	47.8	16 28	51.4	41.9	15 17	9.5	731	23 57	757	681	15 18	76	342	15 31	356	332	10 16	24
30 **	47.9	4 56	56.2	41.4	18 59	14.8	732	23 40	764	704	17 30	60	339	18 26	356	326	5 41	30
Mean	48.2	-	53.1	42.5	-	10.6	728	-	748	701	-	47.1	341	-	354	328	-	26.1
Mean *	48.5	-	51.9	45.8	-	6.1	734	-	743	719	-	24.4	338	-	346	328	-	18.6
Mean **	48.1	-	55.7	37.6	-	18.1	717	-	756	677	-	78.2	344	-	367	326	-	41.0
December	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T.	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1	47.8	11 30	50.5	45.8	0 58	4.7	734	0 0	757	716	1 38	41	340	17 41	351	327	1 1	24
2	48.1	12 48	52.1	45.6	22 57	6.5	735	23 49	762	720	17 23	42	340	18 27	349	330	10 50	19
3	48.2	11 45	51.4	45.2	22 59	6.2	738	0 0	756	720	2 15	36	336	20 20	345	327	0 22	18
4	48.6	13 44	53.0	46.2	23 58	6.8	739	18 7	753	724	11 16	29	337	20 30	346	329	10 49	17
5	47.8	12 47	50.5	44.8	22 57	5.7	733	8 50	746	702	17 30	44	339	18 10	351	333	11 6	18
6	48.3	13 40	51.6	45.9	20 23	5.7	737	6 34	747	721	23 28	26	337	20 49	342	328	6 52	14
7 **	48.1	18 32	50.6	33.9†	21 31	16.7	739	7 30	765	701	21 4	64	335	21 39	350	321	6 52	29
8	48.4	14 23	52.1	45.6	22 10	6.5	735	17 46	746	721	22 46	25	336	23 10	344	328	10 50	16
9	48.4	12 7	51.7	46.0	19 52	5.7	744	6 21	760	726	0 28	34	332	17 27	346	319	9 58	27
10 *	48.0	13 40	50.6	45.9	20 20	4.7	739	9 20	746	730	19 42	16	335	18 33	342	324	10 58	18
11 *	48.3	12 7	51.4	46.7	23 52	4.7	743	13 11	756	731	23 53	25	335	0 43	345	328	10 41	17
12	48.3	17 19	53.0	40.3	23 15	12.7	733	5 23	746	699	23 35	47	338	20 11	359†	328	8 48	31
13	47.4	15 48	51.2	42.6	21 48	8.6	732	16 59	746	698	20 38	48	339	20 50	350	328	9 44	22
14 *	47.6	13 49	50.1	43.8	0 5	6.3	734	17 58	743	715	0 24	28	340	18 27	348	331	9 58	17
15 *	47.8	11 17	50.5	46.2	2 18	4.3	738	13 24	747	725	1 38	22	337	5 29	344	332	9 28	12
16 *	48.0	12 3	50.3	46.6	0 14	3.7	745	18 14	755	729	0 51	26	336	10 47	342	329	22 59	13
17 **	49.4	9 24	57.6†	42.8	22 50	14.8	731	5 25	755	695	13 40	60	339	17 41	354	332	12 4	22
18 **	46.8	13 8	51.2	39.1	1 0	12.1	730	0 57	769	703	1 31	66	337	17 37	349	321	1 12	28
19	47.2	13 52	50.2	43.8	22 10	6.4	730	8 53	751	703	14 59	48	339	20 57	346	332	9 58	14
20 **	48.3	13 44	52.1	42.8	22 48	9.3	736	22 25	782†	713	19 36	69	338	21 43	350	324	22 54	26
21	48.1	13 45	50.9	45.0	22 33	5.9	740	6 57	754	724	23 25	30	336	11 36	347	324	11 0	23
22	47.9	12 30	51.1	45.4	2 18	5.7	739	1 1	755	724	17 19	31	336	20 25	344	327	8 17	17
23	48.2	12 43	51.2	46.7	4 59	4.5	738	7 5	747	721	18 31	26	336	18 31	345	327	8 18	18
24	47.8	11 49	50.6	46.0	1 19	4.6	741	12 7	758	726	0 50	32	337	16 46	343	328	8 18	15
25	47.7	11 10	50.2	44.6	18 9	5.6	738	11 42	751	721	18 5	30	334	18 40	342	325	7 7	17
26	47.6	16 25	49.4	46.7	23 19	2.7	741	18 37	751	726	1 28	25	336	18 29	341	329	6 49	12
27 **	46.7	13 38	52.3	38.3	2 24	14.0	728	22 22	770	646†	13 20	124	337	13 53	354	316†	1 30	38
28	47.5	12 28	51.2	42.6	0 31	8.6	732	19 7	747	714	16 0	33	337	16 27	346	328	9 17	18
29	47.3	16 29	50.1	44.8	19 50	5.3	736	12 33	755	720	19 39	35	337	18 30	347	328	11 42	19
30	47.6	10 41	52.1	44.6	23 55	7.5	741	12 6	760	724	21 58	36	335	20 29	344	326	9 30	18
31	47.4	12 3	52.5	44.6	0 20	7.9	739	12 5	759	720	0 22	39	337	18 31	342	331	11 50	11
Mean	47.9	-	51.4	44.2	-	7.2	737	-	755	715	-	39.9	337	-	347	327	-	19.6
Mean *	47.9	-	50.6	45.8	-	4.7	740	-	749	726	-	23.4	337	-	344	329	-	15.4
Mean **	47.9	-	52.8	39.4	-	13.4	733	-	768	692	-	76.6	337	-	351	323	-	28.6

* International Quiet Day. ** International Disturbed Day.

† Indicates extreme monthly value.

TABLE IV(A). - THREE-HOUR-RANGE INDICES "K" FOR THE YEAR 1954

Date	January		February		March		April		May		June	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	2212 1022	12	2333 3434	25	2222 2124	17	1122 2324	17	3211 2112	13	2211 2212	13
2	3233 5533	27	4223 4324	24	4312 2243	21	2113 3334	20	2322 2222	17	1223 2202	14
3	3112 2102	12	4233 3224	23	3221 2322	17	3222 3235	22	2212 2223	16	1122 2221	13
4	0011 1110	5	3332 1222	18	2231 2233	18	3332 2144	22	2222 3434	22	2232 1231	16
5	1002 1234	13	2112 2333	17	3223 3324	22	2332 1112	15	3233 2321	19	1112 2222	13
6	2321 2211	14	2221 1101	10	3222 2233	19	3222 3223	19	3322 1221	16	2112 3322	16
7	1222 2331	16	1122 1233	15	2323 3344	24	2222 2242	18	1112 2322	14	2224 3332	20
8	3222 1223	17	2222 3232	18	2212 2233	17	1123 3244	20	2222 3443	22	1122 2222	14
9	3111 2113	13	2122 3321	16	3223 3552	25	3222 3323	20	3323 2333	22	2212 2323	17
10	0102 1122	9	1231 3233	18	2122 3243	19	2223 3432	21	1122 2242	16	3243 2332	22
11	1122 1313	14	4322 2234	22	3333 3444	27	3122 2456	25	3233 2332	21	1112 2211	11
12	2213 2432	19	2122 2223	16	3232 3343	23	6543 4334	32	2212 3232	17	0013 2442	16
13	3232 2123	18	2212 2123	15	2222 3454	24	3122 3333	20	3222 3332	20	2212 2432	18
14	1011 1233	12	1123 3343	20	3332 3554	28	2322 2221	16	3223 2222	18	2222 4331	19
15	2132 3224	19	1425 4544	29	4443 4344	30	3223 3444	25	2222 4323	20	2221 1122	13
16	3211 2141	15	3422 3454	27	2333 4343	25	2123 3232	18	3222 1121	14	2212 1111	11
17	0111 1332	12	4223 4443	26	3222 3543	24	2222 2333	19	0122 2222	13	1012 2223	13
18	2122 3235	20	2224 3452	24	4323 3342	24	3223 3333	22	3323 3233	22	1111 2343	16
19	3233 2454	26	1143 3333	21	3212 3334	21	2223 2332	19	4222 2333	21	0213 3222	15
20	4233 3342	24	2123 2222	16	3233 3443	25	3223 3442	23	2222 3344	22	2122 2222	15
21	4333 3333	25	2223 3555	27	3123 2343	21	3333 4322	23	3322 3432	22	1112 3224	16
22	3332 3232	21	5433 4355	32	3223 2255	24	3232 3211	17	2221 1123	14	3322 2323	20
23	3333 2332	22	4333 3444	28	4333 3366	31	3333 3344	26	2121 1222	13	2212 2332	17
24	2111 1120	9	3223 3334	23	4334 2444	28	3222 2344	22	1212 2232	15	1213 2222	15
25	1111 1321	11	2223 1333	19	4333 3342	25	3211 1232	15	2212 2121	13	1123 4321	17
26	2211 1211	11	2235 3454	28	2233 4443	25	3321 3334	22	2222 3322	18	1122 3332	17
27	2111 1221	11	3343 3524	27	3223 1122	16	4232 1232	19	2321 1210	12	2222 3333	20
28	2121 2111	11	4222 4333	23	3121 2233	17	3122 2223	17	0113 2222	13	3332 2331	20
29	1111 1211	9			2122 2223	16	3222 2222	17	3232 3332	21	1221 2112	12
30	1022 1223	13			4222 4335	25	1233 2222	17	2222 2212	15	2122 2324	18
31	1212 1323	15			2222 2344	21			2122 3332	18		

TABLE IV(A). - THREE-HOUR-RANGE INDICES "K" FOR THE YEAR 1954

Date	July		August		September		October		November		December	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	4332 3221	20	2223 3331	19	3333 4445	29	4444 3543	31	3332 4455	29	3221 1222	15
2	1212 3222	15	2322 2321	17	4333 2334	25	3322 3124	20	5433 4343	29	2211 2213	14
3	1222 2212	14	1222 2232	16	2224 4455	28	4433 3335	28	4332 3443	26	3122 1122	14
4	1221 3121	13	1232 2231	16	3333 3523	25	5333 2433	26	1223 2312	16	0112 2131	11
5	0123 2322	15	2222 2323	18	3223 3232	20	1222 2343	19	3232 2221	17	1121 1332	14
6	2232 3332	20	2332 3354	25	3222 2463	24	3333 4523	26	3222 2343	21	1221 1122	12
7	3113 2221	15	3223 3432	22	2333 3444	26	2223 3422	20	3111 1111	10	2121 2234	17
8	1122 2331	15	2232 3312	18	3212 3342	20	3222 4334	23	2122 2232	16	1211 1112	10
9	2122 2222	15	2222 4433	22	2332 4424	24	2232 1112	14	1222 1331	15	2212 2121	13
10	1122 2212	13	3132 2322	18	2323 3323	21	2211 2221	13	2112 1111	10	1011 1121	8
11	2222 2222	16	3222 2321	17	2233 3423	22	2222 2110	12	1112 2232	14	1012 2111	9
12	3322 3434	24	3223 3222	19	1023 2223	15	0021 1110	6	2323 3133	20	0121 1333	14
13	2112 1222	13	0223 3321	16	2122 2225	18	0022 1223	12	2122 2222	15	3212 2142	17
14	3332 3322	21	3223 2223	19	3543 4425	30	3123 1243	19	2221 1223	15	2211 1211	11
15	1133 4321	18	3123 2243	20	2233 3323	21	2222 2211	14	2111 2121	11	1111 1000	5
16	1122 3342	18	1233 4322	20	4433 4333	27	2122 2332	17	1112 1111	9	1212 2111	11
17	2332 2224	20	2233 3222	19	4322 2233	21	2212 3134	18	1122 2101	10	2244 3323	23
18	5322 3322	22	2223 3332	20	4233 2334	24	4434 5523	30	1112 3333	17	4313 3124	21
19	2222 3342	20	4232 2333	22	2231 2233	18	3234 4433	26	1322 2333	19	2122 3332	18
20	3222 2311	16	3222 2322	18	3333 4664	32	3233 3223	21	2232 4432	22	1222 3224	18
21	1232 2432	19	2334 3222	21	3333 3553	28	2222 2131	15	2222 3223	18	2112 2122	13
22	1122 2221	13	4432 2223	22	3223 3332	21	0222 2333	17	2232 1122	15	3212 2121	14
23	0223 2221	14	3212 2243	19	2233 2221	17	3333 3444	27	1222 2543	21	0111 1221	9
24	3322 3222	19	3333 5444	29	2222 2324	19	4543 3653	33	1222 2331	16	1122 3111	12
25	3333 3323	23	4223 3222	20	3232 3353	24	4433 3332	25	1222 2123	15	2012 3221	13
26	2223 3321	18	2443 3333	25	3222 3232	19	2232 2343	21	2122 2233	17	1112 3122	13
27	3323 3333	23	5223 2233	22	2222 2444	22	1234 4421	21	2222 1231	15	4312 5224	23
28	2423 4433	25	3322 3324	22	5322 3323	23	3222 2322	18	1012 2123	12	3312 2321	17
29	3323 3321	20	3334 3233	24	4323 3555	30	1123 2223	16	1012 4433	18	1123 3221	15
30	3113 3312	17	2222 3332	19	2333 3344	25	3432 3234	24	3421 2333	21	1113 3113	14
31	2232 3223	19	2222 2343	20			2233 3344	24			2213 3221	16

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

All Days

DECLINATION WEST (Unit 0.'01)

Month and Season, 1954	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	-128	-142	-122	- 83	- 61	- 47	- 13	- 14	- 13	+ 11	+ 92	+162	+264	+261	+180	+137	+102	+ 91	+ 17	- 31	- 93	-181	-204	-183
February	-259	-204	-141	- 88	- 79	- 57	- 37	+ 2	+ 3	+ 7	+112	+277	+359	+414	+381	+292	+177	+133	+ 14	-146	-292	-275	-298	-284
March	-186	- 88	-122	-155	-105	-115	- 99	-159	-185	-104	+ 96	+328	+515	+573	+499	+375	+204	+101	- 9	-220	-328	-280	-274	-271
April	-173	-189	-193	-183	-198	-209	-262	-319	-313	-179	+ 68	+347	+580	+648	+556	+427	+306	+168	+ 36	-109	-156	-220	-221	-210
May	-143	-169	-219	-275	-305	-342	-393	-366	-308	-159	+ 76	+328	+492	+538	+492	+368	+282	+202	+122	+ 39	- 10	- 27	- 80	-145
June	-135	-114	-132	-172	-281	-381	-415	-419	-393	-248	- 22	+226	+435	+519	+518	+425	+300	+206	+135	+ 70	+ 30	- 10	- 34	-115
July	-127	-160	-161	-168	-247	-336	-367	-376	-346	-248	- 26	+249	+434	+484	+465	+369	+259	+159	+112	+ 67	+ 30	+ 4	- 11	- 66
August	-113	-124	-213	-227	-254	-244	-292	-320	-298	-157	+ 78	+328	+525	+561	+460	+319	+191	+105	+ 32	- 63	- 59	- 43	- 84	-101
September	-152	-154	-126	- 87	- 73	-100	-135	-195	-207	- 95	+170	+426	+583	+578	+497	+313	+150	- 18	-148	-244	-212	-293	-277	-191
October	-276	-190	-212	- 80	- 16	+ 13	+ 20	- 26	-123	-117	+ 58	+277	+454	+491	+422	+298	+107	- 6	- 18	- 85	-195	-266	-263	-270
November	-138	- 80	- 66	- 33	+ 1	+ 13	+ 3	- 47	-100	- 82	+ 57	+212	+313	+314	+226	+118	+109	+ 58	- 51	-136	-178	-176	-169	-156
December	-114	-135	-108	- 52	+ 2	+ 1	+ 21	+ 13	+ 14	+ 47	+106	+164	+206	+163	+101	+ 85	+ 72	+ 43	+ 10	- 58	-107	-146	-168	-163
Year	-162	-146	-151	-134	-135	-150	-164	-185	-189	-110	+ 72	+277	+430	+462	+400	+294	+188	+103	+ 21	- 76	-131	-159	-174	-180
Winter	-160	-140	-109	- 64	- 34	- 23	- 7	- 11	- 24	- 4	+ 92	+204	+285	+288	+222	+158	+115	+ 81	- 3	- 93	-167	-195	-210	-197
Equinox	-197	-155	-163	-126	- 98	-103	-119	-175	-207	-124	+ 98	+345	+533	+573	+493	+353	+192	+ 61	- 35	-165	-223	-265	-259	-235
Summer	-129	-142	-181	-211	-272	-326	-367	-370	-336	-203	+ 27	+283	+471	+525	+484	+370	+258	+168	+100	+ 28	- 2	- 19	- 52	-107

INCLINATION (Unit 0.'01)

January	+ 24	+ 21	+ 12	+ 4	- 7	- 30	- 47	- 50	- 39	- 25	- 12	- 6	- 21	- 23	- 15	+ 4	+ 17	+ 25	+ 39	+ 39	+ 38	+ 21	+ 13	+ 11
February	- 13	+ 7	+ 1	+ 5	- 19	- 34	- 56	- 66	- 64	- 43	- 9	+ 19	+ 5	- 18	+ 10	+ 73	+ 75	+ 50	+ 51	+ 37	+ 27	+ 9	- 1	- 40
March	- 35	- 29	- 21	- 9	- 10	- 28	- 39	- 15	+ 7	+ 36	+ 46	+ 24	+ 10	+ 9	+ 16	+ 27	+ 42	+ 32	+ 7	- 1	- 10	+ 17	- 26	- 48
April	- 54	- 27	- 3	- 2	- 11	- 17	- 10	+ 8	+ 35	+ 50	+ 74	+ 67	+ 49	+ 25	+ 20	+ 1	- 2	- 16	- 20	- 26	- 21	- 31	- 42	- 40
May	- 28	- 31	- 12	+ 1	+ 9	+ 9	+ 28	+ 46	+ 54	+ 66	+ 61	+ 36	+ 23	+ 24	+ 12	+ 8	- 12	- 45	- 49	- 39	- 36	- 51	- 49	- 35
June	- 25	- 22	- 13	- 9	- 14	- 7	+ 23	+ 47	+ 67	+ 81	+ 77	+ 69	+ 56	+ 48	+ 17	- 6	- 20	- 35	- 54	- 55	- 60	- 59	- 57	- 46
July	- 51	- 40	- 15	- 20	- 23	- 20	+ 5	+ 44	+ 68	+ 84	+ 88	+ 85	+ 66	+ 46	+ 19	+ 11	+ 3	- 26	- 52	- 56	- 50	- 54	- 58	- 64
August	- 73	- 72	- 44	- 35	- 38	- 20	+ 15	+ 66	+104	+109	+ 94	+ 61	+ 25	+ 28	+ 44	+ 38	+ 23	- 1	- 20	- 41	- 57	- 65	- 65	- 74
September	- 71	- 57	- 48	- 41	- 51	- 71	- 33	+ 13	+ 53	+ 81	+ 80	+ 72	+ 47	+ 30	+ 40	+ 50	+ 67	+ 37	+ 15	- 15	- 42	- 22	- 65	- 70
October	- 53	- 61	- 64	- 64	- 95	- 91	- 81	- 58	- 15	+ 50	+ 85	+ 92	+ 70	+ 54	+ 51	+ 71	+ 66	+ 38	+ 45	+ 34	+ 13	- 20	- 27	- 44
November	- 15	- 4	- 13	- 24	- 35	- 55	- 68	- 63	- 32	- 13	+ 2	+ 13	+ 19	+ 31	+ 36	+ 44	+ 51	+ 27	+ 35	+ 42	+ 23	+ 15	+ 1	- 24
December	+ 27	+ 29	+ 26	+ 13	- 7	- 34	- 42	- 40	- 43	- 42	- 29	- 33	- 32	- 15	- 1	+ 14	+ 15	+ 17	+ 24	+ 33	+ 34	+ 35	+ 8	+ 35
Year	- 30	- 24	- 16	- 15	- 25	- 33	- 25	- 6	+ 17	+ 36	+ 46	+ 42	+ 27	+ 20	+ 21	+ 28	+ 27	+ 9	+ 1	- 4	- 12	- 17	- 31	- 37
Winter	+ 6	+ 13	+ 6	- 1	- 17	- 39	- 53	- 54	- 44	- 31	- 12	- 1	- 7	- 6	+ 8	+ 34	+ 40	+ 29	+ 37	+ 37	+ 31	+ 20	+ 5	- 4
Equinox	- 53	- 44	- 34	- 29	- 42	- 51	- 40	- 13	+ 20	+ 55	+ 71	+ 64	+ 44	+ 30	+ 32	+ 37	+ 43	+ 22	+ 12	- 2	- 15	- 15	- 40	- 50
Summer	- 44	- 42	- 21	- 16	- 16	- 10	+ 17	+ 51	+ 73	+ 85	+ 80	+ 63	+ 43	+ 37	+ 23	+ 13	- 1	- 27	- 43	- 48	- 51	- 57	- 57	- 55

HORIZONTAL INTENSITY (Unit 0.1γ)

January	- 33	- 33	- 20	- 9	+ 8	+ 42	+ 59	+ 64	+ 46	+ 23	+ 3	- 8	+ 12	+ 22	+ 24	0	- 13	- 26	- 42	- 39	- 36	- 16	- 10	- 15
February	+ 8	- 22	- 13	- 18	+ 17	+ 42	+ 66	+ 79	+ 75	+ 39	- 21	- 65	- 34	+ 8	- 14	- 84	- 68	- 32	- 33	- 15	- 6	+ 9	+ 13	+ 57
March	+ 42	+ 22	+ 8	- 4	+ 3	+ 38	+ 50	+ 18	- 19	- 80	-112	- 86	- 59	- 37	- 20	- 13	- 16	+ 1	+ 35	+ 45	+ 50	+ 3	+ 57	+ 71
April	+ 73	+ 27	- 12	- 10	+ 10	+ 23	+ 18	- 6	- 55	-102	-158	-162	-133	- 74	- 31	+ 18	+ 34	+ 69	+ 81	+ 88	+ 71	+ 76	+ 81	+ 64
May	+ 53	+ 50	+ 20	+ 5	+ 3	0	- 37	- 70	- 98	-140	-152	-133	-106	- 75	- 29	0	+ 45	+105	+115	+101	+ 88	+101	+ 94	+ 71
June	+ 46	+ 41	+ 24	+ 24	+ 38	+ 25	- 27	- 68	-108	-146	-166	-169	-142	-111	- 45	+ 8	+ 44	+ 82	+117	+117	+115	+107	+100	+ 82
July	+ 74	+ 55	+ 18	+ 33	+ 47	+ 37	- 7	- 68	-113	-153	-175	-183	-151	-100	- 29	+ 4	+ 24	+ 74	+111	+116	+ 99	+ 97	+ 96	+103
August	+103	+ 93	+ 50	+ 45	+ 56	+ 27	- 21	- 95	-162	-184	-180	-138	- 81	- 66	- 68	- 35	- 1	+ 40	+ 66	+ 99	+112	+114	+105	+116
September	+ 83	+ 66	+ 57	+ 48	+ 62	+ 84	+ 36	- 23	- 90	-144	-159	-152	-107	- 56	- 48	- 36	- 45	+ 2	+ 30	+ 69	+ 90	+ 45	+ 99	+ 97
October	+ 66	+ 69	+ 71	+ 69	+115	+110	+ 94	+ 73	+ 11	- 93	-153	-163	-123	- 86	- 61	- 73	- 52	- 9	- 25	- 13	+ 15	+ 51	+ 47	+ 62
November	+ 21	- 1	+ 11	+ 28	+ 44	+ 72	+ 82	+ 77	+ 34	- 3	- 31	- 45	- 48	- 50	- 41	- 47	- 52	- 15	- 27	- 37	- 10	- 6	+ 9	+ 38
December	- 39	- 46	- 40	- 21	+ 8	+ 46	+ 51	+ 50	+ 52	+ 46	+ 29	+ 36	+ 39	+ 21	+ 5	- 14	- 10	- 13	- 23	- 35	- 35	- 40	- 6	- 51
Year	+ 41	+ 27	+ 15	+ 16	+ 34	+ 45	+ 30	+ 3	- 36	- 78	-106	-106	- 78	- 50	- 30	- 23	- 9	+ 23	+ 34	+ 41	+ 46	+ 45	+ 57	+ 58
Winter	- 11	- 25	- 15	- 5	+ 19	+ 51	+ 65	+ 67	+ 52	+ 26	- 5	- 21	- 8	- 0	- 7	- 36	- 36	- 21	- 31	- 31	- 22	- 13	+ 1	+ 7
Equinox	+ 66	+ 46	+ 31	+ 25	+ 47	+ 63	+ 49	+ 15	- 38	-105	-145	-141	-105	- 63	- 40	- 26	- 20	+ 16	+ 30	+ 47	+ 57	+ 44	+ 71	+ 73
Summer	+ 69	+ 60	+ 28	+ 27	+ 36	+ 22	- 23	- 75	-120	-156	-168	-156	-120	- 88	- 43	- 6	+ 28	+ 75	+102	+108	+103	+105	+ 99	+ 93

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

All Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1954	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	-22	-21	-10	-2	+13	+45	+59	+64	+47	+22	-5	-21	-10	0	+9	-11	-21	-33	-43	-36	-28	-1	+7	+1
February	+30	-5	-1	-10	+23	+46	+68	+78	+74	+38	-30	-87	-64	-27	-46	-107	-82	-43	-34	-3	+19	+32	+38	+80
March	+57	+29	+18	+9	+12	+47	+58	+31	-3	-70	-119	-113	-101	-85	-62	-44	-33	-7	+34	+63	+77	+26	+79	+93
April	+87	+43	+4	+5	+26	+40	+40	+21	-28	-86	-162	-189	-180	-127	-77	-18	+8	+54	+77	+96	+83	+93	+99	+81
May	+64	+64	+38	+28	+29	+29	-4	-39	-71	-125	-157	-159	-146	-119	-70	-31	+21	+87	+103	+97	+88	+102	+99	+82
June	+57	+50	+35	+38	+61	+57	+8	-33	-74	-123	-162	-186	-177	-153	-88	-28	+18	+64	+104	+110	+111	+107	+102	+91
July	+84	+68	+31	+47	+67	+65	+24	-36	-83	-130	-171	-202	-186	-139	-68	-27	+2	+60	+100	+109	+95	+96	+96	+107
August	+111	+102	+67	+63	+77	+47	+4	-67	-135	-169	-184	-164	-124	-112	-106	-61	-17	+31	+63	+103	+116	+116	+111	+123
September	+95	+78	+67	+55	+67	+91	+47	-6	-72	-134	-171	-186	-155	-104	-89	-62	-57	+3	+42	+89	+107	+69	+121	+112
October	+88	+84	+88	+75	+115	+107	+91	+74	+21	-82	-156	-184	-160	-126	-96	-97	-60	-8	-23	-6	+31	+73	+68	+84
November	+32	+4	+16	+30	+43	+70	+81	+80	+42	+4	-35	-62	-74	-76	-59	-56	-61	-20	-23	-25	+5	+9	+23	+51
December	-29	-34	-30	-16	+8	+45	+49	+48	+50	+42	+20	+22	+21	+7	-4	-21	-16	-17	-24	-30	-26	-27	+8	-37
Year	+54	+39	+27	+27	+45	+57	+43	+18	-20	-68	-111	-128	-113	-87	-63	-47	-25	+14	+32	+47	+56	+58	+71	+72
Winter	+3	-13	-6	0	+22	+48	+65	+67	+53	+26	-11	-38	-32	-22	-26	-49	-45	-28	-30	-23	-8	+3	+19	+23
Equinox	+82	+58	+44	+35	+55	+71	+58	+29	-20	-93	-152	-168	-149	-110	-81	-55	-36	+11	+33	+60	+75	+66	+92	+92
Summer	+79	+71	+43	+44	+58	+49	+8	-43	-91	-137	-168	-178	-158	-131	-83	-37	+6	+60	+92	+104	+102	+105	+102	+101

WEST COMPONENT (Unit 0.1γ)

January	-74	-81	-69	-46	-32	-19	+2	+2	0	+9	+50	+86	+144	+144	+101	+74	+53	+45	+3	-23	-56	-100	-111	-101
February	-138	-113	-78	-50	-40	-24	-10	+13	+13	+10	+57	+139	+188	+224	+203	+144	+85	+67	+2	-81	-158	-147	-158	-144
March	-94	-44	-65	-84	-56	-56	-46	-83	-103	-68	+34	+163	+268	+303	+265	+200	+107	+55	+1	-111	-169	-150	-139	-135
April	-82	-98	-106	-100	-105	-109	-138	-173	-177	-112	+12	+162	+292	+337	+294	+233	+170	+101	+32	-45	-73	-107	-107	-103
May	-69	-83	-115	-147	-164	-184	-217	-208	-181	-107	+17	+156	+248	+278	+260	+198	+159	+125	+83	+37	+8	+1	-29	-67
June	-66	-55	-67	-89	-145	-201	-227	-236	-228	-156	-37	+95	+212	+262	+272	+230	+168	+123	+91	+56	+34	+11	-3	-49
July	-57	-78	-84	-85	-126	-175	-199	-213	-204	-157	-41	+106	+210	+245	+246	+199	+143	+97	+77	+54	+31	+17	+9	-20
August	-45	-53	-107	-115	-128	-127	-160	-187	-185	-113	+14	+155	+270	+292	+237	+166	+103	+63	+27	-19	-15	-6	-29	-37
September	-69	-73	-59	-39	-30	-41	-67	-109	-125	-75	+67	+206	+297	+302	+260	+163	+74	-9	-75	-121	-100	-151	-134	-88
October	-138	-92	-103	-33	+9	+24	+25	-3	-65	-77	+8	+124	+225	+251	+218	+149	+49	-5	-14	-48	-103	-135	-134	-136
November	-71	-43	-34	-13	+7	+18	+14	-13	-49	-45	+26	+107	+161	+161	+115	+56	+51	+29	-32	-79	-97	-96	-90	-78
December	-67	-80	-64	-31	+2	+8	+19	+15	+15	+32	+61	+94	+117	+91	+55	+43	+37	+21	+2	-37	-63	-85	-91	-96
Year	-81	-75	-79	-70	-67	-74	-84	-99	-107	-71	+22	+133	+219	+241	+211	+155	+100	+59	+17	-35	-63	-79	-85	-88
Winter	-88	-79	-61	-35	-15	-5	+6	+4	-5	+2	+49	+107	+152	+155	+118	+79	+56	+40	-6	-55	-93	-107	-113	-105
Equinox	-96	-76	-83	-64	-45	-46	-57	-92	-117	-83	+30	+164	+271	+299	+259	+186	+100	+35	-14	-82	-111	-136	-129	-115
Summer	-59	-67	-93	-109	-141	-172	-201	-211	-199	-133	-11	+128	+235	+269	+254	+198	+143	+102	+69	+32	+15	+6	-13	-43

VERTICAL COMPONENT (Unit 0.1γ)

January	+6	-3	-4	-6	-7	-6	-24	-25	-27	-34	-33	-39	-46	-28	+4	+14	+28	+26	+37	+45	+48	+36	+23	+5
February	-25	-26	-26	-26	-26	-21	-42	-45	-47	-59	-81	-83	-62	-44	+2	+58	+101	+98	+102	+94	+81	+54	+26	-6
March	-25	-51	-54	-40	-28	-9	-17	-9	-20	-58	-96	-113	-97	-52	+8	+62	+104	+109	+102	+96	+80	+62	+41	-3
April	-17	-32	-38	-31	-16	-6	+7	+15	-5	-62	-110	-142	-140	-83	-3	+46	+71	+103	+119	+114	+93	+70	+42	+9
May	+27	+9	+4	+16	+39	+27	+11	-2	-40	-94	-141	-182	-165	-91	-24	+28	+63	+88	+97	+99	+79	+59	+47	+42
June	+22	+18	+11	+23	+41	+32	+16	+4	-19	-58	-116	-154	-135	-91	-45	-1	+34	+70	+85	+81	+59	+44	+36	+32
July	-4	-12	-11	+6	+28	+16	+1	-4	-26	-62	-99	-130	-122	-72	-2	+47	+68	+82	+77	+75	+55	+39	+23	+18
August	-14	-34	-35	-18	-1	-8	+2	+9	-16	-49	-92	-109	-99	-56	-4	+52	+79	+89	+84	+86	+61	+38	+20	+14
September	-54	-44	-33	-31	-32	-51	-30	-9	-26	-54	-91	-103	-84	-27	+26	+89	+127	+131	+122	+108	+62	+28	+3	-18
October	-31	-52	-58	-61	-62	-60	-63	-33	-26	-42	-60	-60	-41	-12	+36	+78	+109	+112	+98	+88	+79	+48	+15	-9
November	-3	-17	-18	-19	-19	-25	-44	-38	-31	-53	-66	-60	-45	-9	+31	+45	+58	+60	+57	+59	+58	+39	+23	+5
December	+5	-6	-3	-5	-6	-12	-27	-24	-28	-40	-34	-31	-20	-4	+10	+15	+29	+30	+31	+34	+37	+29	+14	+5
Year	-9	-21	-22	-16	-7	-10	-18	-13	-26	-55	-85	-101	-88	-47	+3	+44	+73	+83	+84	+82	+66	+45	+26	+8
Winter	-4	-13	-13	-14	-15	-16	-34	-33	-33	-47	-53	-53	-43	-21	+12	+33	+54	+53	+57	+58	+56	+39	+21	+2
Equinox	-32	-45	-46	-41	-35	-31	-26	-9	-19	-54	-89	-105	-91	-43	+17	+69	+103	+114	+110	+101	+79	+52	+25	-5
Summer	+8	-5	-8	+7	+27	+17	+7	+2	-25	-66	-112	-144	-130	-77	-19	+31	+61	+82	+86	+85	+63	+45	+31	+27

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, 1954	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	-118	-102	-100	-122	-102	- 62	- 46	- 56	- 62	- 22	+ 50	+140	+190	+198	+128	+102	+ 96	+ 82	+ 72	+ 10	- 60	- 62	- 68	- 78
February	-188	-126	-118	- 64	- 40	- 50	- 46	- 44	- 40	- 24	+ 72	+188	+294	+300	+202	+132	+ 92	+ 72	+ 46	0	-126	-104	-210	-220
March	-128	-108	- 48	-124	-178	-134	-118	-198	-240	-176	+ 50	+288	+478	+508	+448	+326	+172	+108	+ 78	- 18	- 66	-212	-344	-370
April	-173	-179	-215	-199	-219	-235	-303	-299	-281	-147	+ 75	+313	+501	+511	+475	+345	+245	+143	+ 49	- 1	- 23	- 81	-145	-159
May	- 84	- 86	-172	-208	-268	-370	-440	-414	-370	-236	+ 44	+294	+486	+532	+452	+310	+202	+126	+ 90	+ 52	+ 44	+ 42	+ 14	- 38
June	- 89	- 85	-111	-125	-267	-387	-453	-423	-385	-235	- 5	+189	+327	+413	+439	+369	+259	+193	+147	+105	+ 99	+ 57	+ 21	- 55
July	- 84	- 98	- 74	-100	-200	-392	-450	-452	-380	-216	+ 10	+306	+514	+518	+454	+348	+212	+ 94	+ 36	+ 36	+ 38	0	- 22	- 88
August	- 99	-113	-103	-145	-251	-345	-385	-367	-299	-167	+ 39	+289	+515	+555	+447	+307	+189	+105	+ 71	- 1	- 19	+ 7	- 85	-145
September	- 27	- 95	- 93	-127	-159	-125	-201	-251	-209	- 53	+181	+397	+561	+473	+341	+197	+ 83	+ 9	-213	-151	-145	-107	-131	-147
October	-136	-146	-124	- 62	- 92	- 76	- 82	-176	-296	-270	- 46	+238	+410	+418	+316	+208	+126	+ 88	+ 28	- 30	- 32	- 76	- 86	- 96
November	-139	-131	-105	- 53	- 27	- 19	- 13	- 63	-109	- 97	+ 25	+145	+233	+237	+147	+ 91	+ 73	+ 59	+ 55	- 15	- 67	- 77	- 59	- 95
December	-125	-109	- 91	- 57	- 39	- 23	- 9	- 23	- 15	+ 23	+113	+123	+155	+133	+ 95	+ 79	+ 59	+ 55	+ 5	- 33	- 73	- 71	- 71	- 99
Year	-116	-115	-113	-115	-153	-185	-212	-231	-224	-135	+ 51	+243	+389	+400	+329	+235	+151	+ 95	+ 39	- 4	- 36	- 57	- 99	-133
Winter	-143	-117	-103	- 74	- 52	- 43	- 29	- 47	- 57	- 30	+ 65	+149	+218	+217	+143	+101	+ 80	+ 67	+ 45	- 9	- 81	- 79	-102	-123
Equinox	-116	-132	-120	-128	-162	-143	-176	-231	-257	-161	+ 65	+309	+487	+477	+395	+269	+157	+ 87	- 15	- 50	- 67	-119	-177	-193
Summer	- 89	- 95	-115	-145	-247	-373	-432	-414	-359	-213	+ 22	+269	+461	+505	+448	+333	+215	+129	+ 86	+ 48	+ 41	+ 27	- 18	- 81

INCLINATION (Unit 0.'01)

January	+ 36	+ 23	+ 21	+ 20	+ 7	- 4	- 26	- 36	- 26	- 5	+ 19	+ 11	- 4	- 17	- 20	- 10	+ 1	- 2	+ 3	+ 5	+ 3	- 8	- 1	+ 13
February	+ 51	+ 50	+ 54	+ 42	+ 28	- 2	- 23	- 43	- 49	- 55	- 37	- 19	- 27	- 37	- 37	- 41	- 28	- 22	+ 11	+ 29	+ 50	+ 27	+ 30	+ 53
March	- 12	0	- 14	- 18	- 12	- 17	- 34	- 31	+ 2	+ 34	+ 59	+ 57	+ 29	+ 13	+ 12	+ 26	+ 31	0	- 19	- 32	- 28	- 30	- 26	+ 7
April	- 49	+ 9	+ 29	+ 30	+ 24	+ 3	+ 7	+ 16	+ 55	+ 62	+ 62	+ 45	+ 23	+ 11	- 11	- 4	- 7	- 10	- 26	- 69	- 48	- 38	- 75	- 43
May	- 4	- 9	+ 5	+ 17	+ 14	+ 12	+ 29	+ 31	+ 40	+ 56	+ 60	+ 46	+ 33	+ 35	+ 13	- 15	- 23	- 36	- 41	- 49	- 56	- 56	- 55	- 52
June	+ 13	+ 11	+ 12	- 3	0	+ 2	+ 18	+ 46	+ 61	+ 77	+ 83	+ 56	+ 35	+ 21	+ 7	- 9	- 34	- 52	- 60	- 56	- 65	- 62	- 61	- 37
July	- 3	+ 8	- 3	- 21	- 18	- 9	+ 24	+ 51	+ 80	+ 83	+ 74	+ 56	+ 43	+ 65	+ 20	- 17	- 29	- 55	- 72	- 69	- 59	- 65	- 53	- 37
August	- 25	- 23	- 30	- 34	- 27	- 12	+ 5	+ 76	+ 108	+ 93	+ 85	+ 59	+ 15	+ 19	+ 20	+ 18	+ 1	- 23	- 56	- 58	- 57	- 54	- 54	- 49
September	- 45	- 22	- 8	- 1	- 4	- 5	+ 5	+ 27	+ 65	+ 75	+ 69	+ 45	- 9	- 10	+ 3	+ 8	+ 13	+ 17	+ 9	- 22	- 42	- 46	- 77	- 42
October	- 20	- 1	- 4	- 18	- 34	- 32	- 39	- 33	+ 25	+ 86	+ 98	+ 79	+ 47	+ 20	+ 9	+ 8	+ 8	- 11	- 19	- 20	- 34	- 38	- 36	- 40
November	+ 16	+ 21	+ 25	+ 18	- 1	- 14	- 31	- 35	- 21	- 6	+ 13	+ 20	+ 15	- 2	+ 2	+ 10	+ 7	- 5	- 16	0	0	- 6	- 9	- 2
December	+ 65	+ 61	+ 44	+ 31	+ 18	- 8	- 11	- 3	- 4	- 20	- 21	- 15	- 33	- 35	- 25	- 6	- 11	- 17	- 13	- 5	- 7	- 5	+ 2	+ 15
Year	+ 2	+ 11	+ 11	+ 5	- 1	- 7	- 6	+ 5	+ 28	+ 40	+ 47	+ 37	+ 14	+ 7	- 1	- 3	- 6	- 18	- 25	- 29	- 28	- 32	- 34	- 18
Winter	+ 42	+ 39	+ 36	+ 27	+ 13	- 7	- 23	- 29	- 25	- 21	- 6	- 1	- 12	- 23	- 20	- 12	- 8	- 12	- 4	+ 7	+ 11	+ 2	+ 5	+ 20
Equinox	- 32	- 3	+ 1	- 2	- 7	- 13	- 15	- 5	+ 37	+ 64	+ 72	+ 56	+ 23	+ 7	+ 3	+ 9	+ 11	- 1	- 14	- 36	- 39	- 38	- 53	- 29
Summer	- 5	- 4	- 4	- 11	- 8	- 2	+ 19	+ 50	+ 72	+ 78	+ 75	+ 55	+ 31	+ 35	+ 15	- 5	- 21	- 42	- 57	- 58	- 59	- 59	- 55	- 44

HORIZONTAL INTENSITY (Unit 0.1γ)

January	- 50	- 32	- 26	- 24	- 8	+ 6	+ 32	+ 50	+ 34	- 2	- 34	- 26	- 6	+ 16	+ 30	+ 14	+ 4	+ 10	+ 4	+ 2	+ 6	+ 16	+ 2	- 20
February	- 64	- 62	- 66	- 48	- 30	+ 12	+ 36	+ 60	+ 62	+ 58	+ 16	- 10	+ 6	+ 30	+ 46	+ 58	+ 48	+ 42	0	- 24	- 54	- 20	- 32	- 70
March	+ 15	+ 1	+ 17	+ 21	+ 11	+ 23	+ 47	+ 45	- 7	- 73	-125	-125	- 77	- 43	- 23	- 27	- 21	+ 25	+ 51	+ 71	+ 67	+ 67	+ 59	+ 1
April	+ 64	- 22	- 44	- 38	- 24	+ 6	- 2	- 14	- 80	-106	-134	-132	-106	- 60	+ 6	+ 14	+ 30	+ 48	+ 74	+140	+100	+ 82	+126	+ 72
May	+ 28	+ 34	+ 12	- 6	+ 6	+ 4	- 32	- 50	- 80	-124	-148	-142	-120	- 94	- 36	+ 26	+ 54	+ 86	+ 94	+100	+102	+100	+ 98	+ 98
June	- 4	- 4	- 4	+ 22	+ 24	+ 14	- 16	- 64	-104	-140	-170	-154	-112	- 66	- 22	+ 14	+ 62	+ 96	+116	+114	+114	+104	+102	+ 70
July	+ 11	- 1	+ 15	+ 51	+ 53	+ 37	- 23	- 71	-127	-149	-161	-151	-127	-139	- 41	+ 39	+ 65	+113	+135	+127	+101	+105	+ 81	+ 61
August	+ 41	+ 37	+ 45	+ 51	+ 53	+ 27	- 3	-101	-157	-149	-161	-139	- 77	- 71	- 47	- 17	+ 17	+ 61	+109	+119	+107	+ 95	+ 87	+ 79
September	+ 64	+ 34	+ 14	+ 8	+ 16	+ 14	+ 6	- 24	- 96	-130	-138	-116	- 30	- 16	- 14	- 4	- 8	- 6	+ 12	+ 60	+ 84	+ 84	+122	+ 56
October	+ 35	+ 9	+ 17	+ 35	+ 55	+ 51	+ 51	+ 49	- 39	-139	-175	-153	-101	- 51	- 17	- 5	+ 1	+ 31	+ 43	+ 43	+ 63	+ 67	+ 59	+ 69
November	- 22	- 24	- 30	- 20	+ 8	+ 22	+ 36	+ 44	+ 24	- 14	- 46	- 52	- 42	- 4	+ 4	- 6	+ 6	+ 22	+ 34	+ 10	+ 10	+ 16	+ 16	+ 4
December	- 85	- 79	- 55	- 37	- 19	+ 17	+ 11	- 1	- 1	+ 11	+ 17	+ 13	+ 39	+ 47	+ 37	+ 13	+ 25	+ 33	+ 25	+ 9	+ 13	+ 5	- 11	- 27
Year	+ 3	- 9	- 9	+ 1	+ 12	+ 19	+ 12	- 6	- 48	- 80	-105	- 99	- 63	- 38	- 6	+ 10	+ 24	+ 47	+ 58	+ 64	+ 59	+ 60	+ 59	+ 33
Winter	- 55	- 49	- 44	- 32	- 12	+ 14	+ 29	+ 38	+ 30	+ 13	- 12	- 19	- 1	+ 22	+ 29	+ 20	+ 21	+ 27	+ 16	- 1	- 6	+ 4	- 6	- 28
Equinox	+ 45	+ 5	+ 1	+ 7	+ 15	+ 23	+ 25	+ 14	- 55	-112	-143	-131	- 79	- 41	- 12	- 5	+ 1	+ 25	+ 45	+ 79	+ 79	+ 75	+ 91	+ 49
Summer	+ 19	+ 17	+ 17	+ 30	+ 34	+ 21	- 19	- 71	-117	-141	-160	-147	-109	- 93	- 37	+ 15	+ 49	+ 89	+113	+115	+106	+101	+ 92	+ 77

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

International Quiet Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1954	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	-40	-23	-17	-13	+1	+11	+35	+54	+39	0	-38	-37	-22	-1	+19	+5	-4	+3	-2	+1	+11	+21	+8	-13
February	-47	-51	-55	-42	-26	+16	+39	+63	+65	+59	+10	-26	-19	+5	+29	+46	+40	+35	-4	-24	-43	-11	-14	-51
March	+25	+10	+21	+31	+26	+34	+56	+61	+13	-57	-128	-148	-116	-85	-60	-54	-35	+16	+44	+72	+72	+84	+87	+32
April	+78	-7	-25	-21	-5	+26	+23	+11	-55	-93	-139	-157	-147	-102	-34	-15	+9	+35	+69	+138	+101	+88	+137	+84
May	+35	+41	+26	+11	+28	+35	+5	-15	-48	-103	-150	-165	-159	-137	-73	0	+36	+74	+85	+94	+97	+95	+96	+100
June	+4	+3	+5	+32	+46	+46	+22	-28	-71	-119	-168	-168	-138	-100	-59	-17	+39	+79	+102	+104	+104	+98	+99	+74
July	+18	+7	+21	+59	+69	+69	+15	-32	-94	-129	-160	-175	-169	-181	-79	+9	+46	+104	+130	+122	+97	+104	+82	+68
August	+49	+46	+53	+63	+73	+55	+29	-69	-130	-133	-162	-162	-119	-117	-84	-43	+1	+51	+102	+118	+107	+93	+93	+90
September	+65	+41	+22	+19	+29	+24	+23	-3	-77	-124	-152	-148	-77	-55	-43	-21	-15	-7	+30	+72	+95	+92	+131	+68
October	+46	+21	+27	+40	+62	+57	+57	+63	-14	-115	-169	-171	-134	-85	-43	-22	-10	+23	+40	+45	+65	+73	+65	+76
November	-10	-13	-21	-15	+10	+23	+37	+49	+33	-6	-48	-64	-61	-24	-8	-14	0	+17	+29	+11	+15	+22	+21	+12
December	-74	-69	-47	-32	-16	+19	+12	+1	0	+9	+7	+3	+25	+35	+29	+6	+20	+28	+24	+12	+18	+11	-5	-18
Year	+13	+1	+1	+11	+25	+34	+30	+13	-29	-68	-108	-118	-95	-71	-33	-10	+11	+38	+54	+63	+61	+64	+67	+44
Winter	-42	-39	-35	-25	-7	+17	+31	+41	+34	+15	-17	-31	-19	+3	+17	+11	+14	+21	+12	0	+1	+11	+3	-17
Equinox	+54	+16	+11	+18	+28	+35	+39	+33	-33	-97	-147	-155	-119	-81	-45	-27	-12	+17	+46	+82	+84	+84	+105	+65
Summer	+26	+25	+26	+42	+54	+52	+17	-35	-86	-121	-160	-168	-146	-134	-74	-13	+30	+77	+104	+109	+101	+97	+92	+83

WEST COMPONENT (Unit 0.1γ)

January	-71	-60	-58	-69	-56	-33	-20	-23	-28	-12	+22	+71	+101	+109	+73	+57	+52	+46	+39	+6	-31	-31	-36	-45
February	-111	-77	-74	-42	-26	-25	-19	-15	-12	-4	+41	+100	+159	+166	+116	+80	+57	+45	+25	-4	-76	-59	-118	-129
March	-67	-58	-23	-63	-94	-69	-56	-100	-130	-106	+8	+136	+245	+267	+237	+171	+89	+62	+50	+1	-25	-104	-176	-199
April	-83	-100	-123	-113	-122	-126	-163	-163	-164	-95	+20	+148	+253	+266	+257	+188	+136	+84	+38	+21	+3	-31	-59	-75
May	-41	-41	-91	-113	-143	-199	-242	-231	-211	-146	+1	+136	+243	+272	+238	+171	+117	+81	+63	+43	+39	+38	+23	-5
June	-49	-46	-60	-64	-140	-206	-246	-237	-223	-148	-29	+78	+159	+212	+233	+201	+149	+119	+97	+74	+71	+47	+27	-19
July	-44	-53	-38	-46	-99	-205	-246	-254	-224	-139	-19	+141	+257	+257	+238	+193	+124	+68	+40	+39	+36	+16	+1	-38
August	-47	-55	-49	-70	-127	-181	-208	-213	-185	-113	-4	+134	+265	+288	+233	+163	+104	+66	+55	+18	+6	+18	-32	-66
September	-5	-46	-48	-67	-83	-65	-107	-139	-127	-49	+80	+196	+297	+252	+181	+105	+43	+4	-113	-72	-65	-45	-52	-71
October	-68	-77	-64	-28	-41	-33	-36	-87	-165	-167	-52	+105	+205	+217	+167	+111	+68	+52	+22	-10	-8	-31	-37	-41
November	-78	-74	-61	-32	-13	-7	-1	-27	-55	-54	+6	+70	+119	+127	+80	+48	+40	+35	+35	-7	-35	-39	-29	-51
December	-80	-71	-57	-36	-24	-10	-3	-13	-8	+14	+63	+68	+89	+79	+57	+45	+35	+35	+7	-16	-37	-37	-40	-57
Year	-62	-63	-61	-62	-81	-97	-112	-125	-128	-85	+11	+115	+200	+209	+176	+128	+85	+58	+30	-8	-10	-21	-44	-67
Winter	-85	-71	-62	-45	-30	-21	-11	-19	-26	-14	+33	+77	+117	+120	+81	+57	+46	+40	+27	-5	-45	-42	-56	-71
Equinox	-55	-70	-65	-68	-85	-73	-91	-122	-147	-104	+13	+146	+250	+250	+211	+144	+85	+51	-1	-15	-24	-53	-81	-96
Summer	-45	-49	-59	-73	-128	-197	-235	-234	-211	-136	-13	+122	+231	+257	+235	+181	+123	+83	+64	+43	+38	+30	+4	-32

VERTICAL COMPONENT (Unit 0.1γ)

January	+9	+7	+13	+13	+5	+1	-17	-9	-11	-21	-13	-21	-29	-23	+1	-3	+11	+15	+21	+23	+23	+9	+1	-1
February	+27	+29	+35	+33	+27	+21	+3	-11	-25	-55	-89	-87	-81	-59	-23	-9	+15	+21	+37	+45	+49	+49	+31	+21
March	-6	+2	-8	-14	-16	-6	-10	-2	-10	-50	-84	-92	-76	-56	-10	+28	+58	+58	+54	+54	+58	+50	+46	+28
April	-22	-20	-2	+16	+28	+24	+18	+24	+6	-32	-94	-150	-164	-102	-24	+20	+46	+78	+82	+84	+66	+60	+34	+18
May	+50	+46	+44	+46	+62	+50	+26	-10	-46	-92	-136	-170	-162	-98	-40	+8	+44	+74	+76	+62	+42	+38	+38	+46
June	+35	+29	+33	+39	+57	+41	+25	+11	-29	-57	-105	-163	-139	-79	-25	+1	+25	+43	+61	+69	+41	+25	+27	+33
July	+14	+26	+24	+44	+60	+56	+30	+12	-16	-56	-116	-156	-144	-96	-26	+32	+52	+72	+62	+54	+30	+18	+4	+14
August	+8	+6	0	+2	+28	+20	+10	+28	+10	-22	-78	-116	-126	-100	-38	+22	+42	+60	+60	+74	+52	+32	+16	+12
September	-8	+2	+6	+16	+24	+14	+32	+38	+4	-42	-80	-112	-100	-72	-22	+20	+28	+44	+60	+64	+48	+34	+16	-14
October	+13	+17	+27	+19	+9	+7	-15	-1	-3	-25	-65	-81	-71	-49	-9	+17	+29	+33	+33	+29	+27	+23	+11	+21
November	+4	+16	+18	+16	+14	+4	-24	-18	-18	-52	-60	-52	-46	-16	+16	+22	+38	+34	+24	+22	+22	+16	+6	+4
December	+29	+27	+25	+21	+19	+13	-11	-11	-17	-43	-35	-23	-23	-13	+1	+9	+19	+19	+13	+3	+7	-5	-17	-9
Year	+13	+16	+18	+21	+26	+20	+6	+4	-13	-46	-80	-102	-97	-64	-17	+14	+34	+46	+49	+49	+39	+29	+18	+14
Winter	+17	+20	+23	+21	+16	+10	-12	-12	-18	-43	-49	-46	-45	-28	-1	+5	+21	+22	+24	+23	+25	+17	+5	+4
Equinox	-.6	0	+6	+9	+11	+10	+6	+15	-1	-37	-81	-109	-103	-70	-16	+21	+40	+53	+57	+58	+50	+42	+27	+13
Summer	+27	+27	+25	+33	+52	+42	+23	+10	-20	-57	-109	-151	-143	-93	-32	+16	+41	+62	+65	+65	+41	+28	+21	+26

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, 1954	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	-339	-271	-135	-121	- 41	- 5	+ 21	+ 73	+141	+203	+211	+323	+307	+247	+165	+ 87	+141	-165	- 63	-155	-199	- 85	-199
February	-207	-225	- 29	- 69	- 49	+ 1	- 43	+ 45	+ 71	+ 49	+199	+437	+401	+471	+525	+309	+113	+189	+ 11	-169	-669	-421	-497	-455
March	-166	-262	-246	-216	+ 52	-132	-126	-144	-146	- 16	+210	+468	+600	+544	+458	+420	+260	- 20	-294	-430	-386	-186	-138	-110
April	-153	-469	-559	-307	-207	-225	-335	-313	-301	- 93	+173	+483	+735	+781	+695	+601	+489	+359	+ 31	-309	-225	-261	-311	-269
May	-123	-145	-287	-269	-291	-341	-347	-361	-281	- 71	+183	+445	+561	+599	+507	+415	+297	+237	+ 67	-151	- 89	-131	-171	-245
June	-168	- 70	-146	-178	-292	-440	-372	-318	-294	-158	+ 50	+274	+488	+450	+454	+432	+306	+176	+ 28	- 50	- 84	- 18	- 14	- 54
July	-255	-169	- 79	-109	-209	-225	-267	-365	-351	-237	+ 37	+385	+537	+555	+539	+387	+169	- 31	- 31	- 23	- 25	- 43	- 49	-151
August	-173	-121	-263	-315	-321	- 45	-179	-271	-273	-131	+ 95	+315	+569	+615	+411	+293	+219	+111	+ 73	- 51	-137	-197	-161	- 75
September	-178	-118	+ 10	- 22	+ 54	- 12	- 84	-178	-172	- 70	+214	+496	+706	+692	+752	+546	+ 86	-306	-306	-416	-326	-632	-534	-196
October	-755	-509	-621	-219	+111	+181	+263	+377	+197	+ 85	+249	+405	+615	+791	+579	+491	-147	-283	- 1	-115	-319	-403	-467	-507
November	-274	- 70	- 88	- 28	+144	+264	+128	+ 14	- 26	- 24	+132	+328	+454	+404	+342	+ 56	+126	+ 26	-288	-296	-486	-316	-264	-256
December	-124	-268	-258	- 94	+ 40	0	+ 74	+134	+110	+136	+100	+192	+284	+280	+176	+178	+148	+ 28	+ 2	-102	-142	-278	-314	-300
Year	-226	-230	-236	-163	- 91	- 85	-108	-113	-116	- 32	+154	+370	+523	+541	+474	+358	+179	+ 52	- 73	-181	-254	-257	-250	-235
Winter	-186	-225	-161	- 81	+ 3	+ 56	+ 39	+ 53	+ 57	+ 75	+159	+292	+365	+365	+323	+177	+119	+ 96	-110	-157	-363	-303	-290	-303
Equinox	-313	-339	-354	-191	+ 3	- 47	- 71	- 65	-105	- 23	+211	+463	+664	+702	+621	+515	+172	- 63	-143	-317	-314	-371	-363	-271
Summer	-180	-126	-194	-218	-278	-263	-291	-329	-300	-149	+ 91	+355	+539	+555	+478	+382	+248	+123	+ 34	- 69	- 84	- 97	- 99	-131

INCLINATION (Unit 0.'01)

January	+ 11	+ 22	- 24	- 21	- 22	- 57	- 71	- 69	- 57	- 52	- 24	+ 10	- 11	- 22	+ 13	+ 31	+ 25	+ 91	+ 80	+ 76	+ 57	+ 26	+ 2	- 17
February	- 26	+ 2	- 39	- 29	- 77	- 96	-116	-105	- 93	- 30	+ 37	+116	+ 61	- 14	+ 22	+210	+195	+ 76	+ 37	+ 56	- 29	- 29	- 21	-116
March	-126	- 97	- 45	- 7	- 10	- 32	- 55	+ 52	+ 50	+ 77	+ 70	+ 48	+ 42	+ 4	+ 17	+ 62	+ 71	+103	+ 4	+ 40	- 5	+ 23	- 85	-198
April	-171	-105	- 25	- 3	- 21	- 57	- 25	+ 26	+ 34	+ 27	+ 79	+ 83	+ 74	+ 52	+ 20	- 5	+ 5	- 23	+ 37	+ 31	+ 59	- 55	- 25	- 15
May	- 71	-118	- 47	- 30	- 57	- 32	+ 1	+ 25	+ 35	+ 81	+110	+ 91	+ 57	+ 48	+ 52	+ 33	- 6	- 72	- 13	+ 12	- 11	- 29	- 35	- 26
June	- 55	- 58	- 31	- 7	- 19	- 5	+ 42	+ 26	+ 61	+ 65	+ 18	+ 16	+ 40	+ 34	- 12	- 26	- 8	- 14	- 30	- 7	+ 6	- 28	- 12	- 5
July	- 57	- 71	- 65	- 76	- 53	- 43	- 27	+ 25	+ 54	+ 82	+102	+121	+115	+ 73	+ 21	+ 57	+ 66	+ 33	- 17	- 51	- 54	- 68	- 82	- 81
August	- 93	-109	- 84	- 53	- 77	- 50	- 17	+ 29	+ 85	+114	+ 95	+ 69	+ 40	+ 95	+119	+ 73	+ 26	+ 3	- 16	- 29	- 44	- 72	- 51	- 61
September	- 68	- 59	-106	- 96	- 82	-181	-116	- 58	- 4	+ 45	+ 78	+ 81	+ 92	+109	+ 71	+114	+153	+ 48	+ 29	+ 53	- 72	+ 33	- 14	- 57
October	- 53	-142	-143	-146	-230	-230	-128	- 76	- 56	+ 31	+ 52	+ 91	+ 73	+ 62	+114	+115	+131	+ 95	+164	+159	+ 98	- 20	+ 35	0
November	- 56	- 34	- 71	- 86	- 63	- 93	- 99	- 84	- 41	- 25	+ 7	+ 6	+ 24	+100	+105	+123	+ 81	+ 72	+110	+102	+ 15	+ 18	- 29	- 89
December	- 40	- 38	- 19	- 17	- 45	- 79	- 78	- 73	- 65	- 53	- 27	- 25	+ 30	+104	+ 69	+ 55	+ 38	+ 30	+ 62	+ 62	+ 70	+ 79	- 73	+ 29
Year	- 67	- 67	- 58	- 48	- 63	- 79	- 57	- 23	0	+ 30	+ 50	+ 59	+ 53	+ 54	+ 51	+ 70	+ 65	+ 37	+ 37	+ 43	+ 8	- 10	- 32	- 53
Winter	- 27	- 11	- 38	- 39	- 52	- 81	- 91	- 83	- 64	- 40	- 2	+ 27	+ 26	+ 42	+ 52	+105	+ 85	+ 67	+ 72	+ 75	+ 29	+ 24	- 31	- 48
Equinox	-104	-101	- 80	- 63	- 85	-125	- 81	- 14	+ 6	+ 45	+ 70	+ 75	+ 70	+ 57	+ 56	+ 72	+ 90	+ 56	+ 59	+ 71	+ 20	- 4	- 22	- 68
Summer	- 69	- 89	- 57	- 40	- 51	- 32	0	+ 26	+ 59	+ 85	+ 81	+ 74	+ 63	+ 62	+ 45	+ 34	+ 20	- 12	- 19	- 18	- 26	- 49	- 45	- 43

HORIZONTAL INTENSITY (Unit 0.1γ)

January	- 18	- 46	+ 22	+ 18	+ 22	+ 78	+ 84	+ 84	+ 60	+ 50	+ 12	- 34	- 4	+ 22	- 12	- 24	- 10	-110	- 82	- 76	- 54	- 14	+ 10	+ 26
February	+ 4	- 34	+ 32	+ 14	+ 88	+118	+130	+122	+108	+ 14	- 90	-210	-116	+ 6	- 24	-254	-196	- 40	+ 6	- 24	+ 98	+ 66	+ 32	+154
March	+138	+ 70	+ 8	- 30	- 14	+ 38	+ 70	- 90	- 88	-138	-146	-120	-100	- 18	- 4	- 40	- 30	- 58	+ 80	+ 10	+ 54	+ 4	+138	+256
April	+218	+ 82	- 44	- 70	- 24	+ 58	+ 32	- 30	- 44	- 68	-162	-176	-158	- 94	- 10	+ 44	+ 42	+106	+ 48	+ 56	- 8	+134	+ 62	+ 10
May	+111	+161	+ 47	+ 31	+ 75	+ 39	- 11	- 47	- 81	-179	-235	-219	-151	- 95	- 75	- 21	+ 53	+167	+ 91	+ 57	+ 69	+ 81	+ 75	+ 57
June	+ 93	+ 89	+ 39	+ 13	+ 37	+ 11	- 67	- 53	-109	-137	- 95	- 95	-111	- 87	+ 3	+ 41	+ 31	+ 59	+ 97	+ 61	+ 35	+ 73	+ 43	+ 33
July	+ 74	+ 98	+ 86	+ 98	+ 70	+ 48	+ 20	- 52	- 94	-154	-202	-228	-204	-112	- 8	- 46	- 44	+ 12	+ 68	+108	+ 96	+114	+128	+120
August	+141	+151	+ 95	+ 55	+ 99	+ 51	+ 3	- 53	-139	-187	-179	-145	- 89	-151	-163	- 73	+ 1	+ 35	+ 57	+ 83	+ 97	+129	+ 85	+101
September	+ 66	+ 68	+134	+106	+ 80	+210	+126	+ 60	- 24	-102	-164	-168	-174	-158	- 78	- 94	-102	+ 48	+ 54	- 4	+134	- 62	+ 2	+ 52
October	+ 56	+160	+144	+148	+260	+256	+112	+ 60	+ 38	- 84	-114	-166	-124	- 88	-134	-104	- 78	- 20	-144	-146	- 66	+ 74	- 38	- 2
November	+ 65	+ 9	+ 67	+ 97	+ 63	+103	+113	+ 99	+ 45	+ 19	- 37	- 35	- 57	-151	-127	-135	- 73	- 59	-111	- 97	+ 25	+ 1	+ 57	+125
December	+ 59	+ 29	+ 7	+ 9	+ 51	+ 97	+ 95	+ 91	+ 81	+ 65	+ 31	+ 27	- 49	-145	- 85	- 63	- 35	- 23	- 71	- 71	- 79	- 89	+119	- 51
Year	+ 84	+ 70	+ 53	+ 41	+ 67	+ 92	+ 59	+ 16	- 21	- 75	-115	-131	-111	- 89	- 60	- 64	- 37	+ 10	+ 8	- 4	+ 33	+ 43	+ 59	+ 73
Winter	+ 27	- 11	+ 32	+ 35	+ 56	+ 99	+105	+ 99	+ 73	+ 37	- 21	- 63	- 57	- 67	- 62	-119	- 79	- 58	- 65	- 67	- 3	- 9	+ 55	+ 63
Equinox	+119	+ 95	+ 61	+ 39	+ 75	+141	+ 85	0	- 29	- 98	-147	-157	-139	- 89	- 57	- 49	- 42	+ 19	+ 9	- 21	+ 29	+ 37	+ 41	+ 79
Summer	+105	+125	+ 67	+ 47	+ 70	+ 37	- 14	- 51	-106	-164	-178	-172	-139	-111	- 61	- 25	+ 10	+ 68	+ 78	+ 77	+ 74	+ 99	+ 83	+ 78

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

International Disturbed Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1954	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	− 6	− 17	+ 44	+ 29	+ 32	+ 80	+ ***83***	+ 81	+ 53	+ 37	− 5	− 51	− 31	− 4	− 33	− 38	− 17	− ***121***	− 67	− 70	− 40	+ 3	+ 17	+ 42
February	+ 21	− 15	+ 34	+ 20	+ 91	+ 117	+ 132	+ 117	+ 101	+ 10	− 106	− 244	− 148	− 34	− 68	− ***277***	− 203	− 55	+ 5	− 10	+ 153	+ 100	+ 73	+ ***190***
March	+ 150	+ 91	+ 29	− 12	− 18	+ 49	+ 80	− 77	− 75	− 135	− ***162***	− 158	− 149	− 63	− 42	− 75	− 51	− 56	+ 104	+ 46	+ 86	+ 19	+ 148	+ ***262***
April	+ ***228***	+ 120	+ 3	− 43	− 6	+ 76	+ 60	− 3	− 18	− 59	− 175	− 214	− ***218***	− 158	− 68	− 7	+ 1	+ 75	+ 45	+ 81	+ 11	+ 154	+ 87	+ 32
May	+ 120	+ ***171***	+ 70	+ 53	+ 98	+ 67	+ 18	− 16	− 57	− 171	− 248	− ***254***	− 196	− 144	− 117	− 56	+ 27	+ 145	+ 84	+ 69	+ 76	+ 91	+ 88	+ 77
June	+ ***106***	+ 94	+ 51	+ 28	+ 61	+ 48	− 35	− 26	− 83	− 122	− 98	− 117	− ***151***	− 124	− 35	+ 4	+ 5	+ 43	+ 93	+ 64	+ 41	+ 74	+ 44	+ 37
July	+ 94	+ 111	+ 91	+ 106	+ 87	+ 66	+ 42	− 21	− 63	− 132	− 203	− ***258***	− 247	− 157	− 53	− 78	− 58	+ 14	+ 70	+ 109	+ 97	+ 116	+ ***131***	+ ***131***
August	+ 154	+ ***159***	+ 116	+ 81	+ 125	+ 54	+ 18	− 30	− 115	− 174	− 185	− 170	− 136	− ***201***	− 195	− 97	− 17	+ 25	+ 50	+ 86	+ 107	+ 144	+ 97	+ 106
September	+ 80	+ 77	+ 131	+ 107	+ 75	+ ***208***	+ 131	+ 74	− 9	− 95	− 180	− 208	− ***231***	− 214	− 140	− 139	− 108	+ 73	+ 79	+ 31	+ 160	− 8	+ 47	+ 68
October	+ 119	+ 201	+ 194	+ 165	+ ***247***	+ 238	+ 89	+ 28	+ 21	− 90	− 133	− ***198***	− 174	− 153	− 181	− 144	− 65	+ 4	− 142	− 135	− 39	+ 107	+ 1	+ 41
November	+ 87	+ 15	+ 73	+ 98	+ 50	+ 80	+ 101	+ 97	+ 47	+ 21	− 48	− 62	− 94	− ***183***	− 154	− 138	− 83	− 61	− 86	− 71	+ 65	+ 27	+ 78	+ ***145***
December	+ 69	+ 51	+ 29	+ 17	+ 47	+ 96	+ 88	+ 79	+ 71	+ 53	+ 22	+ 11	− 72	− ***167***	− 99	− 77	− 47	− 25	− 70	− 62	− 66	− 65	+ ***144***	− 25
Year	+ ***102***	+ 88	+ 72	+ 54	+ 74	+ 98	+ 67	+ 25	− 11	− 71	− 127	− ***161***	− 153	− 133	− 99	− 93	− 52	+ 5	+ 14	+ 11	+ 54	+ 64	+ 79	+ 92
Winter	+ 42	+ 8	+ 45	+ 41	+ 55	+ 93	+ ***100***	+ 93	+ 67	+ 30	− 34	− 87	− 87	− 97	− 88	− ***133***	− 88	− 65	− 55	− 53	+ 27	+ 16	+ 79	+ 88
Equinox	+ ***144***	+ 122	+ 90	+ 55	+ 74	+ 143	+ 90	+ 5	− 20	− 95	− 163	− ***194***	− 193	− 147	− 109	− 92	− 56	+ 24	+ 21	+ 6	+ 55	+ 68	+ 71	+ 101
Summer	+ 119	+ ***134***	+ 82	+ 65	+ 92	+ 59	+ 11	− 23	− 80	− 150	− 183	− ***200***	− 183	− 156	− 100	− 57	− 11	+ 57	+ 74	+ 82	+ 80	+ 106	+ 90	+ 88

WEST COMPONENT (Unit 0.1γ)

January	− 78	− ***189***	− 143	− 70	− 62	− 10	+ 10	+ 24	+ 49	+ 83	+ 111	+ 108	+ ***173***	+ 169	+ 131	+ 85	+ 45	+ 59	− 101	− 46	− 92	− 109	− 44	− 103
February	− 111	− 126	− 11	− 35	− 13	+ 19	− 3	+ 43	+ 55	+ 29	+ 93	+ 203	+ 198	+ 254	+ ***279***	+ 127	+ 31	+ 95	+ 7	− 95	− ***345***	− 216	− 263	− 221
March	− 68	− 130	− 131	− 121	+ 26	− 65	− 57	− 91	− 92	− 30	+ 91	+ 233	+ ***307***	+ 290	+ 246	+ 220	+ 135	− 20	− 146	− ***230***	− 199	− 99	− 53	− 20
April	− 49	− 240	− ***308***	− 176	− 115	− 112	− 175	− 173	− 169	− 61	+ 68	+ 233	+ 371	+ ***406***	+ 372	+ 330	+ 270	+ 210	+ 24	− 158	− 122	− 120	− 158	− 143
May	− 49	− 53	− 147	− 140	− 145	− 177	− 189	− ***201***	− 164	− 66	+ 62	+ 206	+ 279	+ ***308***	+ 261	+ 220	+ 168	+ 153	+ 50	− 73	− 37	− 58	− 81	− 123
June	− 76	− 24	− 73	− 94	− 151	− ***235***	− 211	− 179	− 175	− 106	+ 12	+ 133	+ ***245***	+ 229	+ ***245***	+ 239	+ 169	+ 104	+ 30	− 18	− 40	+ 1	− 1	− 24
July	− 126	− 76	− 29	− 44	− 102	− 114	− 141	− ***205***	− 203	− 151	− 11	+ 172	+ 257	+ 281	+ ***289***	+ 201	+ 84	− 15	− 6	+ 4	+ 1	− 6	− 7	− 63
August	− 71	− 42	− 127	− 161	− 157	− 16	− 96	− 154	− ***168***	− 99	+ 23	+ 147	+ 292	+ ***308***	+ 196	+ 146	+ 118	+ 65	+ 48	− 15	− 59	− 86	− 74	− 25
September	− 86	− 53	+ 26	+ 4	+ 41	+ 26	− 26	− 87	− 96	− 53	+ 90	+ 241	+ 353	+ 348	+ ***393***	+ 279	+ 31	− 157	− 156	− 225	− 155	− ***350***	− 287	− 97
October	− ***398***	− 249	− 312	− 95	+ 100	+ 137	+ 159	+ 212	+ 112	+ 33	+ 116	+ 192	+ 312	+ ***412***	+ 291	+ 248	− 91	− 155	− 23	− 84	− 182	− 205	− 257	− 273
November	− 137	− 36	− 37	0	+ 87	+ 158	+ 86	+ 23	− 7	− 10	+ 65	+ 171	+ ***235***	+ 194	+ 164	+ 9	+ 57	+ 5	− 172	− 174	− ***258***	− 170	− 133	− 119
December	− 58	− 140	− 138	− 49	+ 29	+ 15	+ 54	+ 86	+ 72	+ 83	+ 59	+ 107	+ ***145***	+ 128	+ 82	+ 86	+ 74	+ 11	− 10	− 66	− 89	− 163	− 151	− ***169***
Year	− 109	− 113	− 119	− 81	− 39	− 32	− 49	− 58	− 66	− 29	+ 65	+ 179	+ 264	+ ***277***	+ 246	+ 183	+ 91	+ 29	− 38	− 98	− ***132***	− ***132***	− 125	− 115
Winter	− 96	− 123	− 82	− 38	+ 10	+ 45	+ 37	+ 44	+ 42	+ 46	+ 82	+ 147	+ ***188***	+ 186	+ 164	+ 77	+ 52	+ 43	− 69	− 95	− ***196***	− 165	− 148	− 153
Equinox	− 150	− 168	− 181	− 97	+ 13	− 4	− 25	− 35	− 61	− 27	+ 91	+ 225	+ 336	+ ***364***	+ 325	+ 269	+ 86	− 31	− 76	− 174	− 165	− ***194***	− 189	− 134
Summer	− 81	− 49	− 94	− 110	− 139	− 136	− 159	− ***185***	− 178	− 105	+ 21	+ 165	+ 269	+ ***281***	+ 248	+ 202	+ 135	+ 77	+ 30	− 25	− 34	− 37	− 41	− 59

VERTICAL COMPONENT (Unit 0.1γ)

January	− 2	− 30	− 32	− 30	− 26	− 16	− 50	− 46	− 60	− ***64***	− 56	− 44	− 48	− 26	+ 18	+ 52	+ 64	+ 60	+ ***86***	+ ***86***	+ 74	+ 58	+ 30	0
February	− 81	− 71	− 59	− 67	− 63	− 59	− ***101***	− 79	− 73	− 71	− 81	− 85	− 57	− 33	+ 21	+ 139	+ ***221***	+ 171	+ 143	+ 139	+ 125	+ 53	+ 1	− 45
March	− 117	− ***173***	− 137	− 93	− 67	− 23	− 27	− 29	− 29	− 51	− 97	− 111	− 87	− 27	+ 49	+ 121	+ 177	+ ***223***	+ 199	+ 161	+ 107	+ 89	+ 25	− 91
April	− 85	− 173	− ***189***	− 173	− 127	− 63	− 13	+ 21	+ 17	− 65	− 101	− 119	− 111	− 37	+ 45	+ 83	+ 115	+ 167	+ ***241***	+ 237	+ 185	+ 121	+ 59	− 29
May	+ 13	− 35	− 55	− 33	− 23	− 21	− 21	− 23	− 65	− 133	− 163	− ***193***	− 151	− 55	+ 7	+ 65	+ 101	+ 137	+ 165	+ ***175***	+ 123	+ 87	+ 53	+ 43
June	+ 25	+ 7	− 15	+ 5	+ 21	+ 9	− 11	− 33	− 41	− 91	− 159	− ***165***	− 119	− 83	− 33	+ 5	+ 45	+ 89	+ ***121***	+ 119	+ 103	+ 73	+ 59	+ 59
July	− 26	− 18	− 26	− 36	− 20	− 38	− 48	− 32	− 32	− 74	− ***114***	− 108	− 76	− 6	+ 54	+ 92	+ 128	+ ***142***	+ 100	+ 72	+ 36	+ 28	+ 14	− 2
August	+ 6	− 28	− 70	− 56	− 38	− 54	− 52	− 22	− 26	− 38	− 86	− ***98***	− 66	− 20	+ 34	+ 82	+ ***94***	+ 92	+ 78	+ 92	+ 72	+ 50	+ 22	+ 24
September	− 82	− 46	− 56	− 86	− 98	− ***140***	− 110	− 62	− 70	− 82	− 110	− 108	− 84	+ 12	+ 66	+ 176	+ ***294***	+ 278	+ 226	+ 176	+ 62	− 28	− 44	− 78
October	− 53	− 121	− 161	− 161	− 195	− ***203***	− 185	− 123	− 107	− 87	− 83	− 69	− 33	+ 11	+ 83	+ 159	+ 273	+ ***281***	+ 235	+ 211	+ 187	+ 101	+ 35	− 5
November	− 43	− ***97***	− 91	− 73	− 71	− 83	− 79	− 61	− 37	− 43	− 61	− 61	− 49	− 3	+ 69	+ 115	+ 111	+ 113	+ 123	+ ***129***	+ 109	+ 65	+ 31	− 17
December	− 3	− ***63***	− 51	− 37	− 37	− 47	− 51	− 41	− 37	− 33	− 21	− 25	− 11	+ 25	+ 41	+ 43	+ 51	+ 51	+ 49	+ 57	+ 61	+ ***69***	+ 23	− 17
Year	− 37	− 71	− 79	− 70	− 62	− 61	− 62	− 44	− 47	− 69	− 94	− ***99***	− 74	− 20	+ 38	+ 94	+ 139	+ ***150***	+ 147	+ 138	+ 104	+ 64	+ 26	− 13
Winter	− 32	− 65	− 58	− 52	− 49	− 51	− ***70***	− 57	− 52	− 53	− 55	− 54	− 41	− 9	+ 37	+ 87	+ ***112***	+ 99	+ 100	+ 103	+ 92	+ 61	+ 21	− 20
Equinox	− 84	− 128	− ***136***	− 128	− 122	− 107	− 84	− 48	− 47	− 71	− 98	− 102	− 79	− 10	+ 61	+ 135	+ 215	+ ***237***	+ 225	+ 196	+ 135	+ 71	+ 19	− 51
Summer	+ 5	− 19	− 41	− 30	− 15	− 26	− 33	− 27	− 41	− 84	− 131	− ***141***	− 103	− 41	+ 15	+ 61	+ 92	+ 115	+ ***116***	+ 115	+ 83	+ 59	+ 37	+ 31

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

Values of a_n, b_n in the series $\Sigma\ (a_n \cos nt + b_n \sin nt)$, t being reckoned in hours from 0^h U.T. and converted into arc at the rate of 15° 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																							
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	- 0.8	+3.0	-0.8	-0.8	+1.3	-1.9	-0.4	+0.1	- 9.5	- 2.0	+0.1	+ 2.9	-1.1	-0.6	+1.2	+1.1	+2.2	- 2.7	-1.4	-0.2	0.0	-0.1	-0.5	-0.2
February	+ 3.4	+4.0	-0.8	-3.8	+1.7	-1.8	0.0	+1.2	-14.8	- 2.3	+0.4	+ 6.2	-0.3	-1.2	+1.0	+0.9	+2.8	- 6.7	-4.2	-0.1	+0.5	+0.3	-0.6	-0.5
March	+ 7.5	+0.2	-2.8	-1.8	+1.5	-1.6	+0.8	+1.4	-14.6	- 5.7	+4.0	+10.5	-1.1	-2.5	+2.4	+1.5	+2.8	- 6.5	-5.6	-1.0	+1.9	-0.6	-0.7	-0.4
April	+10.5	-2.2	-5.3	-1.8	+2.9	-1.2	+0.2	+0.6	-13.8	-12.3	+5.0	+10.5	-2.4	-3.1	+2.2	+0.8	+4.6	- 5.6	-6.6	-1.8	+2.2	-0.4	-1.0	+0.4
May	+11.0	-3.9	-4.5	-0.2	+0.9	-0.2	+0.7	0.0	-10.4	-16.5	+6.2	+ 6.4	-2.8	-1.6	+1.1	+0.5	+7.7	- 4.0	-6.5	+0.3	+2.0	-0.6	-0.6	+0.1
June	+12.1	-3.2	-5.7	-0.8	+0.6	-0.7	+0.3	-0.6	- 7.2	-17.6	+5.4	+ 8.5	-3.0	-2.0	-0.2	+0.6	+6.7	- 2.2	-5.6	-0.3	+1.4	+0.1	-0.3	+0.2
July	+12.6	-2.8	-5.5	0.0	+1.1	-1.1	+0.7	0.0	- 6.6	-16.0	+5.3	+ 7.2	-3.0	-2.9	+0.6	+0.4	+4.5	- 3.7	-5.5	+0.4	+1.7	-0.3	-0.8	-0.5
August	+14.1	-2.7	-2.8	+0.9	-1.0	-1.5	+1.4	+0.4	- 9.5	-12.6	+7.4	+ 7.0	-3.0	-3.4	+2.0	+0.8	+3.1	- 4.6	-5.3	-0.6	+1.9	-0.3	-0.5	-0.1
September	+12.8	-0.1	-3.8	-0.2	+0.4	-2.4	+0.8	+1.2	-13.8	- 4.3	+6.5	+10.0	-3.3	-3.7	+2.0	+0.6	+1.4	- 7.4	-5.8	+0.3	+1.7	+0.7	-1.1	+0.1
October	+11.1	+5.0	-4.3	-0.3	+2.1	-2.0	-0.1	+0.8	-12.8	- 2.4	+0.4	+ 7.5	-2.8	-4.9	+1.8	+2.0	+0.4	- 8.0	-3.3	-0.6	+1.3	+0.3	-0.8	-0.1
November	+ 3.6	+4.4	-2.1	-1.9	+1.6	-1.1	+0.5	+0.1	- 8.2	- 0.5	+1.3	+ 5.5	-1.7	-2.0	+2.2	+0.4	+2.0	- 4.9	-2.1	+0.5	+0.6	-0.4	-0.8	0.0
December	- 2.5	+2.6	-0.7	-1.3	+0.3	-1.0	+0.4	-0.2	- 8.2	+ 0.1	-0.3	+ 1.6	-1.2	-0.2	+1.4	0.0	+1.6	- 2.7	-0.9	+0.3	-0.1	-0.3	-0.2	0.0
Year	+ 8.0	+0.4	-3.3	-1.0	+1.1	-1.4	+0.4	+0.4	-10.8	- 7.7	+3.5	+ 7.0	-2.1	-2.4	+1.5	+0.8	+3.3	- 4.9	-4.4	-0.2	+1.2	-0.1	-0.6	-0.1
Winter	+ 1.0	+3.5	-1.1	-2.0	+1.2	-1.4	+0.2	+0.3	-10.2	- 1.2	+0.4	+ 4.0	-1.1	-1.0	+1.5	+0.6	+2.1	- 4.2	-2.2	+0.1	+0.2	-0.1	-0.5	-0.1
Equinox	+10.5	+0.7	-4.1	-1.0	+1.7	-1.8	+0.4	+1.0	-13.8	- 6.2	+4.0	+ 9.6	-2.4	-3.5	+2.1	+1.2	+2.3	- 6.9	-5.3	-0.8	+1.8	0.0	-0.9	0.0
Summer	+12.4	-3.1	-4.6	0.0	+0.4	-0.9	+0.8	0.0	- 8.4	-15.7	+6.1	+ 7.2	-3.0	-2.5	+0.9	+0.6	+5.5	- 3.6	-5.7	0.0	+1.8	-0.3	-0.5	-0.1
	INTERNATIONAL QUIET DAYS																							
Year	+ 6.0	-1.3	-4.0	-0.7	+0.9	-1.4	0.0	+0.3	- 7.8	- 9.3	+4.0	+ 5.4	-3.0	-2.1	+0.9	+0.7	+4.4	- 1.8	-3.8	+0.3	+1.2	0.0	-0.7	0.0
Winter	- 1.2	+0.3	-2.1	-0.8	+1.1	-1.0	-0.4	+0.2	- 7.0	- 2.6	+0.3	+ 2.2	-1.6	-1.0	+1.2	+0.4	+2.7	- 1.3	-1.6	+0.8	+0.2	0.0	-0.4	+0.1
Equinox	+ 8.6	-1.8	-4.0	-1.5	+1.4	-2.7	-0.1	+1.0	- 9.9	- 9.4	+4.5	+ 6.7	-3.6	-3.3	+1.7	+1.2	+4.1	- 2.1	-4.3	-0.5	+1.5	0.0	-1.1	0.0
Summer	+10.6	-2.3	-5.9	+0.4	+0.2	-0.6	+0.5	-0.4	- 6.5	-15.8	+7.1	+ 7.2	-4.0	-2.0	-0.1	+0.4	+6.4	- 1.8	-5.6	+0.5	+1.8	0.0	-0.6	-0.1
	INTERNATIONAL DISTURBED DAYS																							
Year	+11.0	+1.9	-3.4	-1.4	+1.7	-1.3	+0.7	+0.1	-15.3	- 4.9	+3.8	+ 7.5	-1.5	-3.7	+1.9	+0.1	+1.5	-10.6	-5.4	-0.9	+1.4	0.0	-0.6	-0.1
Winter	+ 5.6	+6.7	-1.2	-3.7	+1.6	-1.8	+0.2	-0.2	-14.5	+ 1.5	+0.3	+ 4.8	-0.3	-1.8	+2.1	-0.1	+0.7	- 8.6	-3.3	-0.4	+0.2	-0.2	-0.9	-0.7
Equinox	+13.1	+2.0	-4.3	-0.5	+2.5	-1.4	+1.3	+0.4	-20.8	- 3.4	+4.5	+10.0	-1.6	-6.7	+2.0	-0.2	-0.7	-16.1	-7.8	-2.3	+2.0	+0.6	-0.5	-0.2
Summer	+14.3	-3.1	-4.7	0.0	+0.9	-0.7	+0.6	0.0	-10.8	-12.8	+6.7	+ 7.8	-2.5	-2.6	+1.5	+0.4	+4.6	- 7.1	-5.2	+0.2	+1.9	-0.5	-0.4	+0.5

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

Values of c_n, α_n in the series $\Sigma\ c_n \sin (nT + \alpha_n)$, T being reckoned in hours from midnight, Abinger Local Mean Time, and converted into arc at the rate of 15° to each hour. New phase-angles expressing the inequalities relative to Local *Apparent* Time may be obtained from the tabulated angles by applying corrections α, 2α, 3α, 4α respectively, where α 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	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
	All Days																							
	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°
January	3.1	344	1.2	226	2.3	147	0.4	290	9.7	259	2.9	4	2.1	248	1.7	50	3.5	140	1.4	261	0.1	173	0.6	251
February	5.3	40	3.9	192	2.4	137	1.2	360	15.0	262	6.2	4	1.2	195	1.4	49	7.2	158	4.2	270	0.6	60	0.7	230
March	7.5	89	3.4	238	2.2	139	1.6	32	15.7	249	11.2	22	2.7	204	2.8	59	7.1	157	5.7	260	2.0	110	0.8	238
April	10.7	102	5.6	252	3.1	113	0.7	23	18.5	229	11.7	26	3.9	219	2.3	73	7.3	141	6.8	255	2.2	102	1.0	291
May	11.6	110	4.5	268	0.9	106	0.7	88	19.5	213	8.9	45	3.2	240	1.2	67	8.6	118	6.6	273	2.1	108	0.6	279
June	12.5	105	5.8	263	1.0	138	0.6	154	19.0	202	10.1	33	3.6	237	0.6	342	7.1	108	5.6	268	1.4	87	0.4	299
July	12.9	103	5.5	271	1.6	136	0.7	92	17.3	203	9.0	37	4.2	227	0.6	59	5.8	129	5.5	275	1.7	102	0.9	240
August	14.3	101	3.0	288	1.8	215	1.5	77	15.8	218	10.1	47	4.6	223	2.2	71	5.6	146	5.3	265	1.9	101	0.5	257
September	12.8	93	3.8	267	2.4	173	1.4	34	14.5	253	12.0	34	4.9	223	2.1	76	7.5	170	5.8	274	1.8	70	1.1	279
October	12.2	66	4.3	267	2.9	134	0.8	352	13.0	260	7.5	4	5.6	211	2.7	44	8.0	178	3.3	260	1.3	79	0.8	261
November	5.7	40	2.8	229	1.9	126	0.5	82	8.3	267	5.7	14	2.6	221	2.3	82	5.3	158	2.1	284	0.7	128	0.8	274
December	3.6	316	1.5	208	1.0	165	0.5	111	8.2	281	1.6	351	1.2	261	1.4	94	3.1	150	1.0	291	0.3	210	0.2	279
Year	8.0	88	3.4	254	1.8	142	0.6	45	13.2	235	7.8	27	3.2	223	1.7	63	5.9	146	4.4	268	1.3	98	0.6	264
Winter	3.6	16	2.2	210	1.9	141	0.3	30	10.2	264	4.0	6	1.5	229	1.6	69	4.7	154	2.2	274	0.2	117	0.5	257
Equinox	10.5	86	4.2	256	2.5	138	1.1	25	15.1	246	10.4	23	4.3	215	2.4	61	7.2	162	5.4	262	1.8	92	0.9	270
Summer	12.8	104	4.6	270	1.0	156	0.8	94	17.8	209	9.5	41	3.9	231	1.0	58	6.6	124	5.7	270	1.8	101	0.6	262
	INTERNATIONAL QUIET DAYS																							
Year	6.2	102	4.0	261	1.7	149	0.3	4	12.2	220	6.7	38	3.7	237	1.2	55	4.7	112	3.8	275	1.2	90	0.7	272
Winter	1.3	283	2.3	249	1.5	132	0.5	302	7.5	250	2.2	8	1.8	240	1.3	73	3.0	117	1.8	299	0.2	81	0.4	287
Equinox	8.8	102	4.2	250	3.0	153	1.0	357	13.7	227	8.1	35	4.8	228	2.1	55	4.6	118	4.3	264	1.5	93	1.1	272
Summer	10.8	103	5.9	274	0.6	162	0.6	128	17.2	203	10.1	46	4.5	245	0.4	343	6.6	106	5.6	276	1.8	91	0.6	259
	INTERNATIONAL DISTURBED DAYS																							
Year	11.2	81	3.7	249	2.1	129	0.7	86	16.1	253	8.4	28	4.0	203	1.9	90	10.7	172	5.5	262	1.4	92	0.6	259
Winter	8.8	40	3.9	199	2.4	139	0.3	146	14.6	276	4.8	5	1.8	191	2.1	93	8.7	176	3.3	263	0.3	126	1.2	235
Equinox	13.2	82	4.4	264	2.8	121	1.4	73	21.0	261	10.9	25	6.8	195	2.0	96	16.1	183	8.1	254	2.1	74	0.5	250
Summer	14.6	102	4.7	271	1.2	129	0.6	90	16.7	221	10.3	41	3.6	225	1.6	77	8.5	147	5.2	273	2.0	105	0.6	320

TABLE X. - RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF 1954

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
	′	′	γ	′	′	γ	′	′	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	4.68	0.89	10.6	3.20	0.72	10.0	6.62	1.62	19.4	10.7	25.5	9.4	9.4	18.0	5.2	20.4	36.2	15.0
February	7.12	1.41	16.3	5.20	1.09	13.2	11.94	3.26	40.8	18.7	38.2	18.5	12.0	29.5	13.8	46.7	62.4	32.2
March	9.01	0.94	18.3	8.78	0.93	19.6	10.30	3.01	40.2	21.2	47.2	22.2	23.5	46.6	15.0	42.4	53.7	39.6
April	9.67	1.28	25.0	8.14	1.37	27.4	13.40	2.54	39.4	28.7	51.4	26.1	29.5	43.0	24.8	44.6	71.4	43.0
May	9.31	1.17	26.7	9.72	1.16	25.0	9.60	2.28	40.2	26.2	49.5	28.1	26.5	51.4	24.6	42.5	50.9	36.8
June	9.38	1.41	28.6	8.92	1.48	28.6	9.28	1.23	23.4	29.7	50.8	23.9	27.2	47.9	23.2	25.7	48.0	28.6
July	8.60	1.52	29.9	9.70	1.55	29.6	9.20	2.03	35.6	31.1	45.9	21.2	31.1	51.1	22.8	38.9	49.4	25.6
August	8.81	1.83	30.0	9.40	1.66	28.0	9.36	2.28	33.8	30.7	47.9	19.8	28.0	50.1	20.0	36.0	47.6	19.2
September	8.76	1.52	25.8	8.12	1.52	26.0	13.38	3.34	38.4	30.7	45.3	23.4	28.3	43.6	17.6	43.9	74.3	43.4
October	7.67	1.87	27.8	7.14	1.38	24.4	15.46	3.94	42.6	29.9	38.9	17.5	24.7	38.4	11.4	44.5	81.0	48.4
November	4.92	1.19	13.4	3.76	0.60	9.6	9.40	2.22	27.6	15.7	25.8	12.6	11.3	20.5	9.8	32.8	49.3	22.6
December	3.74	0.78	10.3	2.80	1.00	13.2	5.98	1.83	26.4	8.7	21.3	7.7	10.9	16.9	7.2	31.1	31.4	13.2
Year	7.64	1.32	21.9	7.08	1.20	21.2	10.33	2.46	34.0	23.5	40.6	19.2	21.9	38.1	16.3	37.5	54.6	30.6
Winter	5.12	1.07	12.7	3.74	0.85	11.5	8.49	2.23	28.5	13.5	27.7	12.1	10.9	21.2	9.0	32.7	44.8	20.7
Equinox	8.78	1.40	24.2	8.05	1.30	24.3	13.14	3.21	40.1	27.6	45.7	22.3	26.5	42.9	17.2	43.9	70.1	43.6
Summer	9.03	1.48	28.8	9.44	1.46	27.8	9.36	1.95	33.3	29.4	48.5	23.3	28.2	50.1	22.7	35.8	49.0	27.6

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

Month 1954	All Days			Quiet Days			Disturbed Days		
	Declination West	Horizontal Intensity	Vertical Intensity	Declination West	Horizontal Intensity	Vertical Intensity	Declination West	Horizontal Intensity	Vertical Intensity
	′	γ	γ	′	γ	γ	′	γ	γ
January	−0.08	−0.1	+0.1	+0.12	+0.8	−0.4	+0.34	+3.4	+1.2
February	0.00	+0.3	0.0	−0.36	−0.2	0.0	−0.16	−1.0	−1.6
March	+0.03	+0.1	+0.2	−1.48	−3.8	+1.6	+0.08	+1.8	−3.6
April	−0.01	0.0	0.0	+0.12	−0.4	+0.2	−1.64	−12.4	+0.8
May	+0.01	+0.6	−0.2	+0.04	+4.6	−1.6	−0.88	−7.2	+0.6
June	−0.18	+0.5	−0.2	+0.16	+6.0	−1.6	+0.60	−8.2	+2.6
July	+0.12	−0.5	+0.2	−0.26	+2.8	−1.4	+0.38	−6.8	+0.6
August	−0.08	−0.1	+0.1	−0.80	+3.8	−0.8	+0.74	−2.6	−1.8
September	−0.12	+0.1	0.0	−0.92	−3.2	−1.0	−0.36	−4.6	−3.6
October	+0.09	−0.6	+0.5	+0.36	+3.2	−0.2	+2.06	−1.2	−2.6
November	−0.01	+0.9	−0.3	+0.36	+1.0	−0.4	−0.30	+1.4	−1.0
December	−0.01	−0.4	+0.1	+0.52	+5.2	−2.6	−1.10	−7.4	−0.4
Year	..	..	..	−0.18	+1.7	−0.7	−0.04	−3.7	−0.7

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

Month 1954	Declination West	Inclination	Intensity				
			Horizontal	North	West	Vertical	Total
	° ′	° ′	c.g.s.	c.g.s.	c.g.s.	c.g.s.	c.g.s.
January	8 54.1	66 38.6	.18711	.18485	.02895	.43327	.47194
February	8 53.4	66 39.0	.18706	.18481	.02891	.43329	.47195
March	8 52.6	66 38.9	.18708	.18484	.02887	.43332	.47198
April	8 52.2	66 38.5	.18713	.18489	.02886	.43329	.47197
May	8 52.0	66 37.6	.18725	.18501	.02886	.43327	.47200
June	8 51.6	66 37.2	.18731	.18507	.02885	.43326	.47202
July	8 50.7	66 37.4	.18729	.18506	.02880	.43329	.47204
August	8 50.1	66 37.7	.18726	.18504	.02876	.43332	.47205
September	8 49.3	66 38.4	.18717	.18496	.02870	.43335	.47204
October	8 48.5	66 38.6	.18716	.18495	.02866	.43340	.47208
November	8 48.2	66 38.0	.18726	.18505	.02866	.43341	.47213
December	8 47.9	66 37.3	.18735	.18514	.02866	.43337	.47213
Year	8 50.9	66 38.1	.18720	.18497	.02880	.43332	.47203

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
	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
1	8 10.1	8 9.9	8 10.4	8 10.8	8 11.0	8 10.7	8 10.7	8 10.5	8 10.6	8 10.3	8 10.3	8 10.0
2	10.1	9.9	10.4	10.9	11.0	10.7	10.6	10.6	10.7	10.3	10.5	10.0
3	10.2	10.1	10.3	11.0	11.0	10.7	10.7	10.5	10.5	10.3	10.2	10.1
4	10.1	10.0	10.3	11.0	11.0	10.8	10.6	10.5	10.6	10.3	10.1	10.1
5	10.1	10.1	10.3	11.1	11.0	10.6	10.6	10.5	10.5	10.4	10.2	10.1
6	10.1	10.0	10.3	11.0	11.0	10.7	10.5	10.5	10.6	10.3	10.3	10.1
7	10.1	10.0	10.3	11.0	11.1	10.6	10.6	10.4	10.7	10.3	10.3	10.0
8	10.0	10.1	10.4	11.1	11.0	10.7	10.6	10.4	10.7	10.3	10.3	9.9
9	10.0	10.2	10.4	11.0	11.0	10.7	10.6	10.5	10.7	10.2	10.4	10.0
10	10.0	10.1	10.4	11.0	11.0	10.5	10.5	10.6	10.8	10.1	10.3	10.0
11	10.0	10.0	10.3	11.0	10.9	10.6	10.6	10.5	10.8	10.2	10.2	9.9
12	10.0	10.0	10.4	11.0	11.0	10.7	10.3	10.4	10.8	10.1	10.2	9.8
13	10.0	10.1	10.4	11.1	11.1	10.7	10.6	10.6	10.8	10.2	10.2	9.8
14	10.0	10.2	10.4	11.0	11.0	10.7	10.5	10.6	10.7	10.3	10.2	9.8
15	10.0	10.1	10.4	11.1	11.1	10.8	10.5	10.6	10.7	10.3	10.1	9.9
16	10.0	10.1	10.4	11.1	10.9	10.8	10.4	10.8	10.8	10.2	10.1	9.8
17	10.0	10.1	10.4	11.0	10.9	10.7	10.4	10.7	10.8	10.3	10.1	9.8
18	9.9	10.3	10.4	11.1	10.9	11.0	10.4	10.8	10.8	10.4	10.1	9.8
19	9.7	10.3	10.4	11.1	10.9	10.8	10.4	10.7	10.8	10.2	10.0	9.9
20	9.8	10.3	10.4	11.1	10.8	10.8	10.4	10.5	10.7	10.3	10.0	9.9
21	9.9	10.3	10.6	11.1	10.8	10.8	10.6	10.5	10.7	10.4	10.2	9.9
22	10.0	10.2	10.6	11.1	10.9	10.8	10.5	10.6	10.7	10.4	10.0	9.9
23	10.0	10.3	10.5	11.1	10.8	10.7	10.6	10.6	10.6	10.4	9.9	9.9
24	10.1	10.4	10.5	11.1	10.7	10.8	10.5	10.6	10.4	10.4	10.0	9.9
25	10.1	10.3	10.9	11.1	10.8	10.6	10.5	10.6	10.3	10.1	9.9	9.8
26	10.0	10.4	10.9	11.0	10.8	10.5	10.5	10.5	10.4	10.3	10.0	9.9
27	10.0	10.3	10.8	11.0	10.7	10.8	10.5	10.6	10.4	10.4	10.0	9.8
28	10.0	10.4	10.8	11.0	10.8	10.7	10.5	10.5	10.4	10.2	10.0	9.8
29	9.9		10.9	11.0	10.6	10.7	10.5	10.5	10.3	10.2	10.1	9.8
30	9.9		10.9	11.0	10.6	10.7	10.5	10.6	10.3	10.4	10.0	9.9
31	9.9		10.8		10.6		10.4	10.7		10.3		9.8

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
	h m	h m		γ	γ
Jan. 1	10 5	- 10 17	8	18708	18465
2	9 51	- 9 59	8	18715	18466
4	9 52	- 9 59	8	18708	18465
5	9 48	- 9 56	8	18714	18465
6	9 55	- 10 10	8	18714	18466
7	9 57	- 10 20	8	18711	18466
8	9 49	- 9 58	8	18700	18464
9	9 52	- 10 27	8	18714	18464
11	9 52	- 9 59	8	18719	18466
12	9 53	- 10 06	8	18724	18465
13	9 53	- 10 06	8	18716	18465
14	9 39	- 9 48	8	18721	18465
15	9 54	- 10 06	8	18718	18465
16	9 37	- 9 48	8	18714	18465
18	9 42	- 9 51	8	18725	18466
19	9 54	- 10 12	8	18708	18465
20	10 39	- 11 02	8	18702	18465
21	9 55	- 10 15	8	18700	18464
22	9 41	- 9 52	8	18695	18464
23	9 46	- 9 57	8	18708	18466
25	9 53	- 10 16	8	18713	18466
26	9 52	- 10 00	8	18706	18464
27	9 55	- 10 08	8	18717	18466
29	10 22	- 10 31	8	18715	18467
30	9 57	- 10 15	8	18724	18467
Feb. 1	10 10	- 10 23	8	18697	18467
2	10 20	- 10 32	8	18700	18466
3	10 10	- 10 23	8	18717	18467
4	9 50	- 9 58	8	18713	18468
5	9 43	- 9 55	8	18714	18467
6	10 06	- 10 20	8	18716	18467
8	9 51	- 10 00	8	18726	18467
9	9 53	- 10 08	8	18731	18467
10	9 48	- 9 57	8	18725	18466
11	9 54	- 10 09	8	18721	18466
12	9 51	- 10 00	8	18712	18465
13	9 46	- 9 55	8	18711	18465
15	9 49	- 9 57	8	18720	18466
16	10 04	- 10 15	8	18705	18465
17	9 53	- 10 09	8	18675	18463
18	9 52	- 10 11	8	18713	18466
19	9 54	- 10 11	8	18713	18466
20	10 03	- 10 15	8	18712	18466
22	9 56	- 10 12	8	18690	18464
24	10 12	- 10 24	8	18696	18465
25	9 54	- 10 10	8	18691	18465
26	10 05	- 10 16	8	18687	18464
27	10 04	- 10 16	8	18657	18464
Mar. 2	10 09	- 10 21	8	18696	18464
3	10 07	- 10 21	8	18706	18466
4	10 15	- 10 26	8	18695	18466
5	10 43	- 11 03	8	18708	18465
6	9 53	- 10 08	8	18709	18465
8	9 52	- 10 07	8	18709	18466
9	9 53	- 10 06	8	18691	18465
10	9 56	- 10 10	8	18720	18466
11	9 55	- 10 12	8	18727	18466
12	9 51	- 9 58	8	18717	18466
13	9 57	- 10 16	8	18706	18466
15	9 57	- 10 14	8	18691	18466
16	10 05	- 10 16	8	18693	18465
17	9 47	- 9 57	8	18709	18465
Mar. 18	10 05	- 10 12	8	18682	18465
19	9 56	- 10 08	8	18704	18465
20	10 10	- 10 17	8	18688	18465
22	9 49	- 9 57	8	18685	18464
23	9 51	- 9 58	8	18706	18465
24	9 40	- 9 51	8	18662	18463
25	9 51	- 9 58	8	18688	18463
26	9 54	- 10 10	8	18684	18464
27	9 51	- 9 58	8	18703	18464
29	9 49	- 9 58	8	18698	18464
30	10 05	- 10 14	8	18705	18462
31	9 47	- 9 57	8	18694	18461
Apr. 1	9 52	- 10 00	8	18700	18462
2	9 52	- 9 59	8	18695	18463
3	9 57	- 10 26	8	18687	18462
5	10 16	- 10 28	8	18695	18460
6	10 12	- 10 22	8	18692	18463
7	9 46	- 9 54	8	18709	18462
8	9 51	- 10 00	8	18711	18463
9	10 21	- 10 29	8	18712	18463
10	9 45	- 9 53	8	18705	18464
12	9 20	- 9 28	8	18690	18462
13	8 48	- 8 57	8	18694	18462
24	10 37	- 10 48	8	18692	18462
26	9 10	- 9 20	8	18708	18464
27	9 18	- 9 27	8	18695	18462
28	8 56	- 9 03	8	18717	18463
29	8 59	- 9 09	8	18707	18463
30	9 07	- 9 20	8	18714	18462
May 1	8 56	- 9 07	8	18712	18463
3	9 12	- 9 24	8	18706	18461
4	8 48	- 9 04	8	18723	18462
5	8 44	- 8 55	8	18715	18463
6	8 52	- 9 03	8	18714	18461
7	9 16	- 9 27	8	18716	18462
8	8 40	- 8 51	8	18720	18462
10	9 10	- 9 21	8	18706	18462
11	8 31	- 8 42	8	18713	18461
12	9 11	- 9 22	8	18711	18462
13	8 43	- 8 55	8	18720	18463
14	8 17	- 8 26	8	18708	18462
15	8 46	- 8 59	8	18717	18461
17	9 12	- 9 25	8	18720	18462
18	8 53	- 9 01	8	18719	18462
19	7 58	- 8 13	8	18717	18461
20	8 54	- 9 12	8	18701	18460
21	8 49	- 8 56	8	18706	18459
22	9 05	- 9 17	8	18713	18461
24	9 13	- 9 25	8	18703	18460
25	9 02	- 9 11	8	18724	18461
26	9 07	- 9 20	8	18727	18461
27	10 41	- 10 59	8	18715	18459
28	8 49	- 8 59	8	18710	18460
29	9 17	- 9 26	8	18722	18459
31	8 59	- 9 09	8	18729	18460
June 1	9 08	- 9 17	8	18703	18459
2	8 58	- 9 11	8	18733	18460
3	9 12	- 9 20	8	18721	18459
4	8 25	- 8 34	8	18692	18460
5	9 26	- 9 43	8	18720	18460
June 8	9 31	- 9 39	8	18722	18459
9	9 11	- 9 22	8	18719	18459
10	9 12	- 9 21	8	18729	18460
11	8 54	- 9 05	8	18712	18459
12	8 55	- 9 10	8	18721	18459
14	8 43	- 8 57	8	18713	18459
15	9 29	- 9 39	8	18713	18460
15	10 48	- 10 57	8	18719	18610
16	8 15	- 8 27	8	18717	18609
17	10 37	- 10 49	8	18697	18608
18	8 50	- 9 00	8	18716	18609
19	8 52	- 9 04	8	18715	18609
21	9 14	- 9 22	8	18714	18607
22	10 52	- 11 09	10	18707	18609
22	15 58	- 16 10	10	18727	18608
23	9 26	- 9 37	8	18714	18609
24	10 51	- 11 05	8	18701	18609
25	9 26	- 9 35	8	18730	18609
26	8 52	- 9 09	8	18732	18610
28	9 10	- 9 18	8	18718	18609
29	9 18	- 9 29	8	18716	18608
30	9 00	- 9 23	8	18707	18609
July 1	9 12	- 9 21	8	18701	18608
2	8 48	- 9 01	8	18707	18608
3	8 42	- 8 56	8	18719	18609
5	9 14	- 9 26	8	18726	18609
6	9 08	- 9 16	8	18731	18609
7	9 05	- 9 15	8	18707	18609
8	8 48	- 9 00	8	18717	18608
9	8 24	- 8 33	8	18718	18609
10	9 16	- 9 26	8	18704	18608
12	9 08	- 9 18	8	18731	18609
13	8 55	- 9 04	8	18719	18610
14	8 49	- 9 02	8	18725	18609
15	8 50	- 8 59	8	18718	18609
16	9 00	- 9 25	8	18715	18608
17	8 50	- 9 07	8	18719	18609
19	8 50	- 9 06	8	18713	18608
20	9 10	- 9 23	8	18704	18609
21	8 56	- 9 12	8	18706	18607
22	9 26	- 9 37	8	18708	18607
23	8 45	- 9 00	8	18716	18607
24	8 50	- 9 01	8	18716	18608
26	9 17	- 9 30	8	18712	18607
27	9 00	- 9 12	8	18717	18608
30	9 11	- 9 21	8	18709	18608
31	9 24	- 9 33	8	18705	18608
Aug. 3	9 13	- 9 26	8	18713	18609
4	9 03	- 9 18	8	18716	18607
5	9 12	- 9 24	8	18709	18608
6	8 52	- 9 00	8	18702	18608
7	8 57	- 9 10	8	18709	18606
9	8 51	- 9 04	8	18721	18607
10	9 01	- 9 12	8	18703	18606
11	8 46	- 8 57	8	18710	18609
12	8 56	- 9 17	8	18714	18608
13	8 38	- 8 47	8	18706	18607
14	8 48	- 8 57	8	18719	18609
16	8 48	- 8 57	8	18694	18607
17	8 50	- 8 58	8	18683	18607
18	9 04	- 9 15	8	18705	18606
19	8 58	- 9 08	8	18697	18606

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
		γ	γ
Aug. 20 8 51 - 9 01	8	18719	18607
21 8 51 - 9 03	8	18705	18606
23 8 55 - 9 05	8	18712	18607
24 8 52 - 9 04	8	18733	18607
25 8 46 - 8 53	8	18701	18607
26 9 10 - 9 22	8	18705	18608
27 8 55 - 9 05	8	18706	18606
28 9 12 - 9 22	8	18707	18609
30 9 03 - 9 14	8	18704	18606
31 8 43 - 8 55	8	18711	18606
Sept. 1 8 54 - 9 11	8	18704	18606
2 8 51 - 9 19	8	18699	18606
3 8 43 - 9 00	8	18702	18605
4 8 41 - 8 50	8	18708	18606
6 8 50 - 8 59	8	18706	18605
7 8 57 - 9 05	8	18696	18606
8 9 02 - 9 15	8	18712	18606
9 9 13 - 9 21	8	18706	18605
10 8 45 - 8 57	8	18711	18606
11 9 09 - 9 29	8	18712	18605
13 9 08 - 9 17	8	18713	18606
14 9 04 - 9 18	8	18701	18605
15 8 55 - 9 05	8	18688	18603
16 9 17 - 9 28	8	18683	18604
17 8 52 - 9 04	8	18709	18605
18 8 50 - 8 59	8	18705	18604
20 9 12 - 9 25	8	18706	18604
21 9 28 - 9 42	8	18684	18605
22 9 10 - 9 29	8	18706	18605
23 9 14 - 9 23	8	18704	18606
24 9 18 - 9 32	8	18711	18607
25 9 07 - 9 15	8	18704	18606
27 11 04 - 11 30	8	18711	18605
28 9 26 - 9 35	8	18697	18606
29 10 55 - 11 11	8	18693	18606
30 8 46 - 8 58	8	18718	18605

Universal Time	No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-Line
		γ	γ
Oct. 1 9 06 - 9 21	8	18676	18606
2 9 02 - 9 11	8	18702	18607
4 9 29 - 9 37	8	18709	18607
5 9 43 - 9 52	8	18707	18607
6 9 25 - 9 38	8	18685	18605
7 9 24 - 9 34	8	18704	18605
8 9 21 - 9 31	8	18715	18606
9 9 42 - 9 54	8	18716	18606
11 9 38 - 9 47	8	18715	18607
12 9 32 - 9 42	8	18714	18606
13 9 31 - 9 40	8	18706	18606
14 9 32 - 9 42	8	18704	18606
15 9 38 - 9 49	8	18696	18605
16 9 46 - 9 54	8	18719	18607
18 10 06 - 10 19	8	18719	18606
19 9 48 - 9 58	8	18705	18606
20 9 46 - 9 55	8	18695	18605
21 9 43 - 9 53	8	18716	18606
22 9 32 - 9 43	8	18711	18606
23 9 44 - 9 57	8	18698	18606
25 9 40 - 9 57	8	18692	18606
26 9 35 - 9 46	8	18705	18606
28 9 51 - 10 00	8	18694	18605
29 9 40 - 9 52	8	18710	18606
30 9 42 - 9 54	8	18712	18607
Nov. 1 9 50 - 9 57	8	18709	18606
2 12 27 - 12 41	8	18696	18604
3 11 43 - 12 06	8	18702	18605
4 11 15 - 11 33	8	18693	18604
5 9 45 - 9 57	8	18702	18605
6 9 40 - 9 53	8	18714	18606
8 9 44 - 9 55	8	18721	18606
9 9 44 - 9 53	8	18727	18607
10 9 50 - 9 59	8	18718	18606
11 9 50 - 10 08	8	18715	18607
12 9 47 - 9 57	8	18726	18607
13 9 48 - 9 58	8	18723	18606

Universal Time	No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-Line
		γ	γ
Nov. 15 9 42 - 9 51	8	18726	18607
16 9 42 - 9 52	8	18731	18608
17 9 50 - 10 00	8	18737	18606
18 9 45 - 9 58	8	18734	18607
19 9 43 - 9 54	8	18731	18607
20 9 40 - 9 54	8	18717	18606
22 9 38 - 9 48	8	18729	18607
23 9 50 - 9 59	8	18726	18606
24 9 33 - 9 47	8	18720	18607
25 9 39 - 9 50	8	18729	18606
26 9 48 - 9 57	8	18731	18608
27 9 36 - 9 56	8	18750	18607
29 10 59 - 11 12	8	18739	18605
30 9 46 - 9 55	8	18729	18606
Dec. 1 9 52 - 9 59	8	18730	18607
2 9 51 - 10 00	8	18739	18607
3 10 08 - 10 17	8	18736	18607
4 10 32 - 10 41	8	18729	18606
6 9 56 - 10 15	8	18738	18607
7 10 20 - 10 43	8	18738	18608
8 11 16 - 11 26	8	18733	18607
9 10 59 - 11 11	8	18744	18607
10 10 26 - 10 35	8	18741	18608
11 11 46 - 11 55	8	18748	18608
13 9 50 - 9 58	8	18739	18608
14 12 30 - 12 38	8	18734	18608
15 11 07 - 11 24	8	18740	18608
16 10 14 - 10 27	8	18742	18609
17 11 04 - 11 16	8	18735	18606
18 11 36 - 11 44	8	18738	18607
20 10 30 - 10 42	8	18739	18606
22 10 28 - 10 43	8	18735	18606
23 10 04 - 10 18	8	18735	18606
24 9 57 - 10 18	8	18745	18607
28 9 37 - 9 46	8	18731	18608
29 10 05 - 10 18	8	18738	18607
30 10 28 - 10 36	8	18744	18608
31 10 10 - 10 22	8	18733	18606

Jan. 28 - Temperature of recording room lowered from 21°.0 C to 15°.0 C.
Mar. 24 - Milliammeter removed from wall of recording room.
May 12 - Temperature of recording room raised from 15°.0 C to 21°.0 C.
June 15 - Trace re-adjusted.

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	No. of Obs.	Observed Vertical Intensity	Deduced Value of Base-line
	h m h m		γ	γ
Jan. 1	9 19 - 9 50	8	43326	43194
2	9 21 - 9 45	8	43320	43194
4	10 12 - 10 27	8	43329	43195
5	9 21 - 9 41	8	43323	43194
6	9 35 - 9 51	8	43323	43195
7	9 34 - 9 51	8	43324	43194
8	9 26 - 9 42	8	43323	43195
9	9 23 - 9 47	8	43323	43195
11	9 30 - 9 49	8	43326	43194
12	9 30 - 9 49	8	43321	43195
13	9 31 - 9 49	8	43326	43195
14	8 40 - 9 00	8	43327	43196
15	9 30 - 9 51	8	43326	43196
16	8 55 - 9 13	8	43322	43195
18	9 19 - 9 37	8	43318	43194
19	9 31 - 9 50	8	43322	43195
20	9 19 - 9 45	8	43325	43196
21	9 32 - 9 52	8	43326	43196
22	9 08 - 9 35	8	43325	43195
23	9 22 - 9 40	8	43327	43195
25	9 30 - 9 48	8	43326	43195
26	9 29 - 9 48	8	43327	43196
27	9 26 - 9 52	8	43326	43195
29	9 48 - 10 18	8	43321	43196
30	9 23 - 9 48	8	43320	43196
Feb. 1	9 34 - 9 51	8	43325	43195
2	9 45 - 10 05	8	43322	43197
3	9 42 - 10 00	8	43318	43197
4	9 26 - 9 45	8	43319	43196
6	9 38 - 9 58	8	43316	43196
8	9 26 - 9 47	8	43318	43196
9	9 23 - 9 49	8	43321	43196
10	9 29 - 9 45	8	43322	43196
11	9 29 - 9 49	8	43324	43197
12	9 27 - 9 47	8	43326	43196
13	9 25 - 9 41	8	43326	43196
15	9 29 - 9 44	8	43318	43196
16	9 42 - 9 55	8	43324	43197
17	9 27 - 9 48	8	43325	43196
18	9 27 - 9 47	8	43329	43196
19	9 30 - 9 50	8	43323	43197
20	9 33 - 9 52	8	43324	43196
22	9 36 - 9 53	8	43328	43196
24	9 32 - 9 58	8	43330	43196
25	9 34 - 9 50	8	43328	43196
Feb. 26	9 38 - 9 55	8	43320	43197
27	9 40 - 9 54	8	43334	43197
Mar. 2	9 39 - 10 00	8	43325	43197
3	9 33 - 9 52	8	43326	43197
4	9 38 - 9 55	8	43330	43199
5	9 23 - 9 49	8	43322	43197
6	9 26 - 9 48	8	43322	43198
8	9 33 - 9 48	8	43326	43198
9	9 30 - 9 50	8	43325	43197
10	9 36 - 9 52	8	43324	43197
11	9 35 - 9 51	8	43325	43198
12	9 29 - 9 48	8	43329	43198
13	9 23 - 9 49	8	43327	43197
15	9 38 - 9 53	8	43320	43198
16	9 39 - 9 57	8	43327	43197
17	9 17 - 9 37	8	43324	43197
18	9 40 - 9 56	8	43325	43197
19	9 26 - 9 52	8	43326	43197
20	9 35 - 9 59	8	43326	43196
22	9 27 - 9 45	8	43330	43197
23	9 25 - 9 47	8	43330	43197
24	9 18 - 9 34	8	43334	43198
25	9 30 - 9 46	8	43334	43199
26	9 19 - 9 49	8	43323	43198
27	9 24 - 9 47	8	43323	43199
29	9 30 - 9 45	8	43324	43199
30	9 41 - 9 58	8	43322	43199
31	9 19 - 9 43	8	43323	43198
Apr. 1	9 32 - 9 47	8	43323	43199
2	9 31 - 9 49	8	43320	43198
3	9 30 - 9 54	8	43316	43198
5	9 46 - 10 08	8	43321	43198
6	9 25 - 9 51	8	43323	43198
7	9 21 - 9 41	8	43328	43198
8	9 28 - 9 47	8	43321	43199
9	9 44 - 10 14	8	43315	43197
10	9 06 - 9 32	8	43318	43198
12	9 01 - 9 14	8	43325	43198
13	8 20 - 8 44	8	43337	43197
15	8 01 - 9 01	8	43328	43198
17	8 26 - 8 50	8	43331	43197
20	8 16 - 8 42	8	43327	43195
21	8 50 - 9 14	8	43323	43196
Apr. 23	8 19 - 8 36	8	43327	43196
24	8 42 - 9 11	8	43323	43199
26	8 46 - 9 03	8	43330	43199
27	8 45 - 9 08	8	43322	43198
May 20	13 19 - 13 39	8	43311	43199
21	8 23 - 8 40	8	43318	43199
22	8 38 - 8 56	8	43321	43199
24	8 43 - 9 05	8	43322	43200
25	8 44 - 8 57	8	43320	43199
26	8 39 - 9 01	8	43324	43199
27	9 06 - 9 40	8	43316	43198
28	8 24 - 8 43	8	43321	43198
29	8 50 - 9 07	8	43307	43197
31	8 17 - 8 41	8	43313	43197
June 1	8 35 - 9 01	8	43317	43198
2	8 29 - 8 51	8	43320	43198
3	8 53 - 9 07	8	43318	43198
Dec. 1	15 59 - 16 15	8	43343	43198
2	9 22 - 9 47	8	43334	43199
3	9 34 - 9 57	8	43331	43198
4	9 36 - 9 54	8	43331	43199
6	9 34 - 9 50	8	43334	43199
7	9 36 - 9 54	8	43331	43199
8	10 10 - 10 32	8	43332	43196
9	10 07 - 10 38	8	43323	43197
10	9 55 - 10 22	8	43328	43198
11	10 12 - 10 42	8	43328	43198
13	9 28 - 9 45	8	43331	43198
14	12 08 - 12 22	8	43337	43198
15	10 13 - 10 41	8	43335	43198
16	9 39 - 9 55	8	43336	43198
17	10 24 - 10 42	8	43336	43198
18	9 57 - 10 29	8	43337	43198
20	9 50 - 10 17	8	43335	43198
22	9 39 - 9 56	8	43337	43199
23	9 27 - 9 52	8	43331	43198
24	9 35 - 9 51	8	43334	43198
28	9 17 - 9 31	8	43333	43199
29	9 27 - 9 56	8	43330	43197
30	9 32 - 9 59	8	43330	43198
31	9 39 - 9 59	8	43336	43198

Jan. 28 - Temperature in recording room lowered from 21°0 C to 15°0 C.
Mar. 24 - Milliammeter removed from wall of recording room.
Apr. 27 - Potentiometer sent to N.P.L. for check.
May 12 - Temperature in recording room raised from 15°0 C to 21°0 C.
June 3 - V.F. Coil dismantled pending remeasurement at N.P.L.

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

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.

TABLE XVI (B). - MEAN ANNUAL VALUES OF MAGNETIC ELEMENTS DETERMINED AT THE ABINGER MAGNETIC STATION, FOR THE YEARS 1925-1954

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

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.

C.B.H. 32049 - Wt. 3826 - Dd. - 610 - 1/59

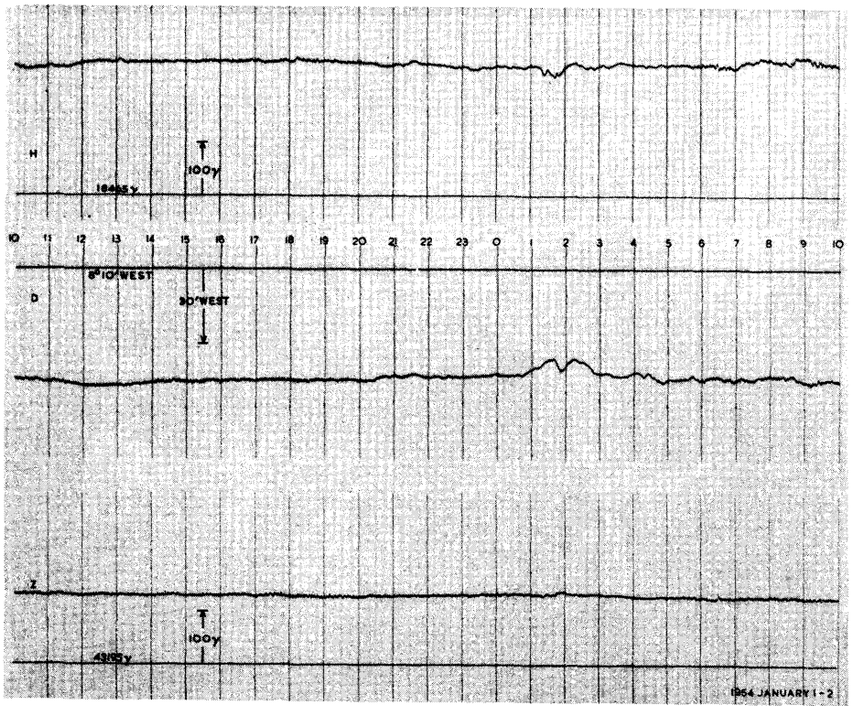
ROYAL GREENWICH OBSERVATORY

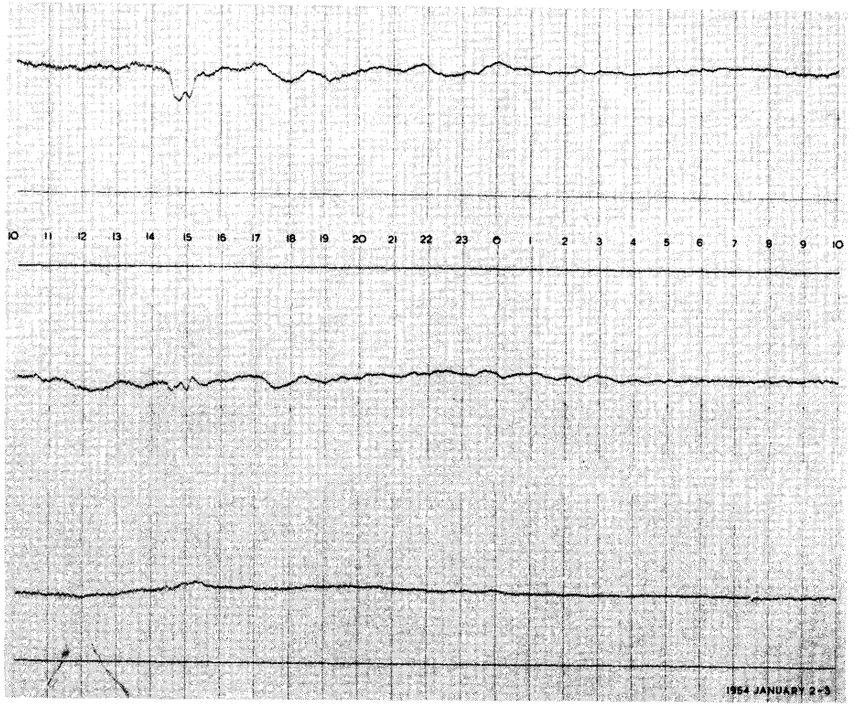
Magnetograms

ABINGER

1954

D


H
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8° 10' WEST
D
90° WEST
Z
100γ
1954 JANUARY 1 - 2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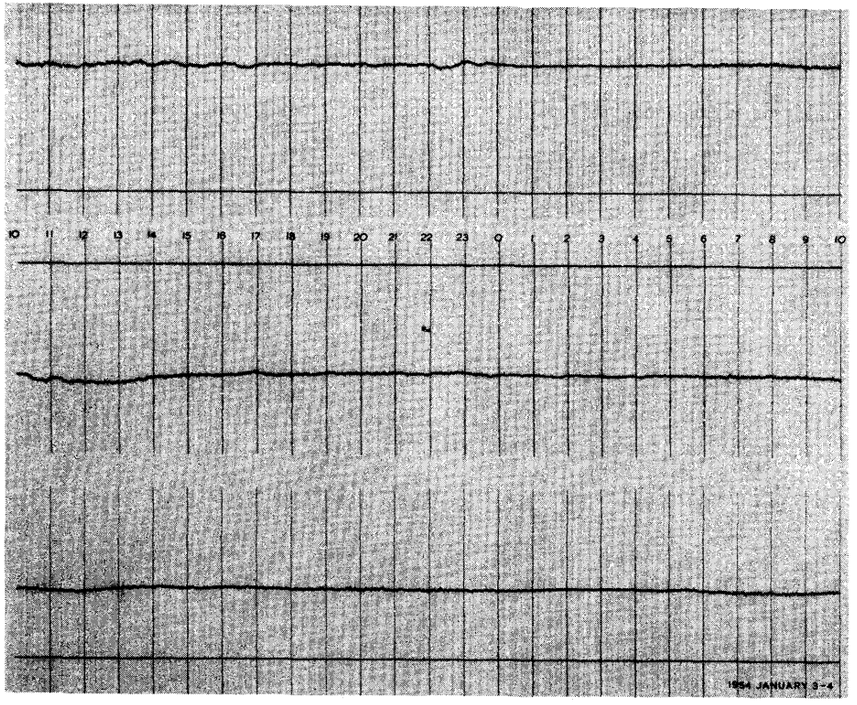
1954 JANUARY 2 - 3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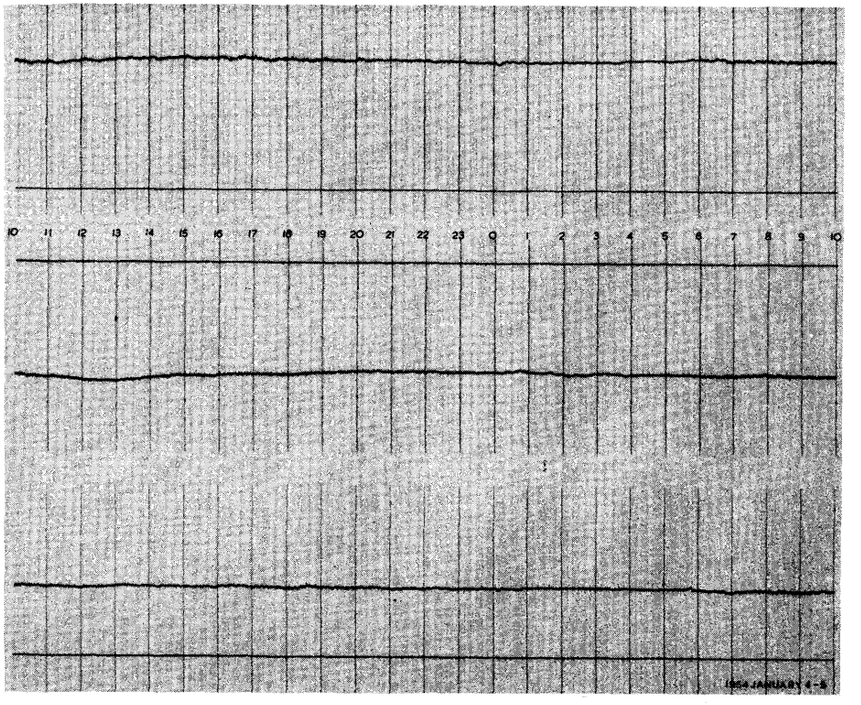
1954 JANUARY 3 - 4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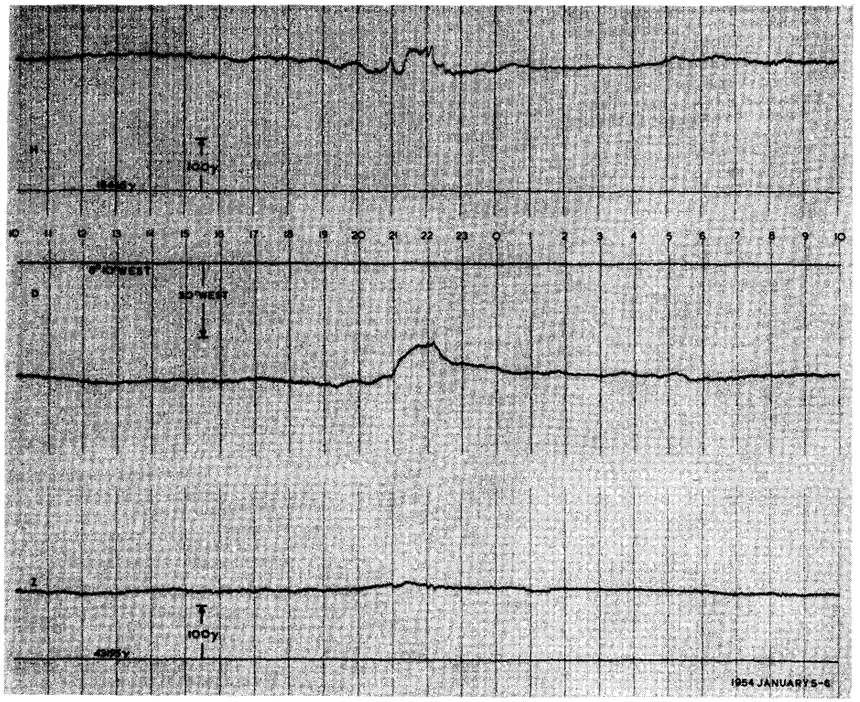
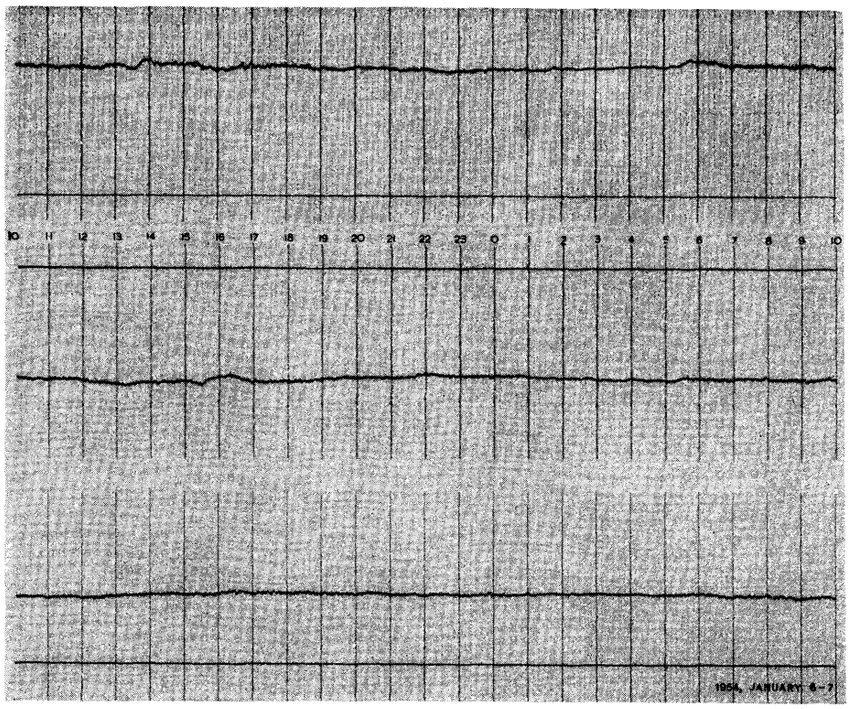
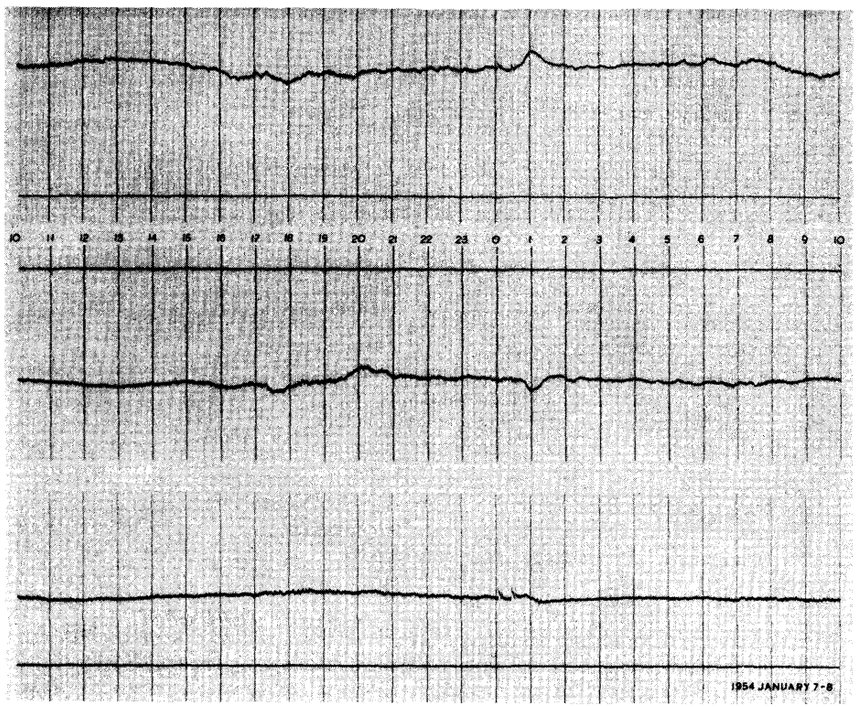
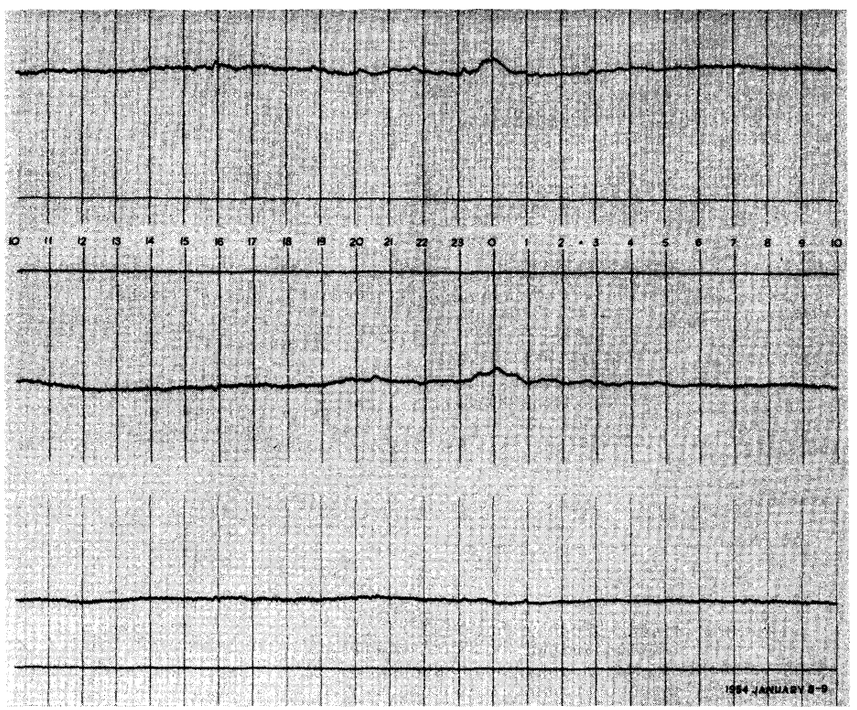
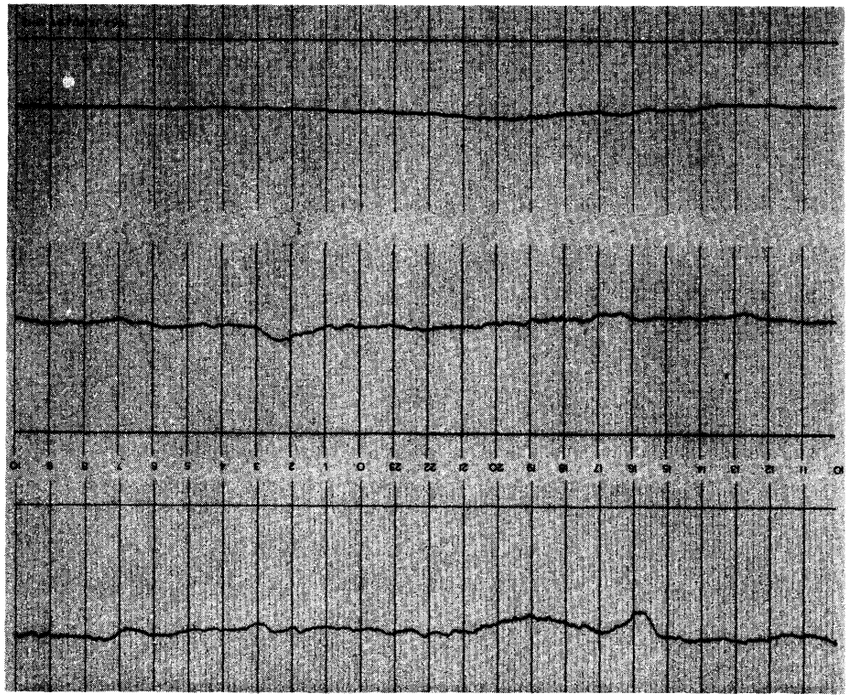
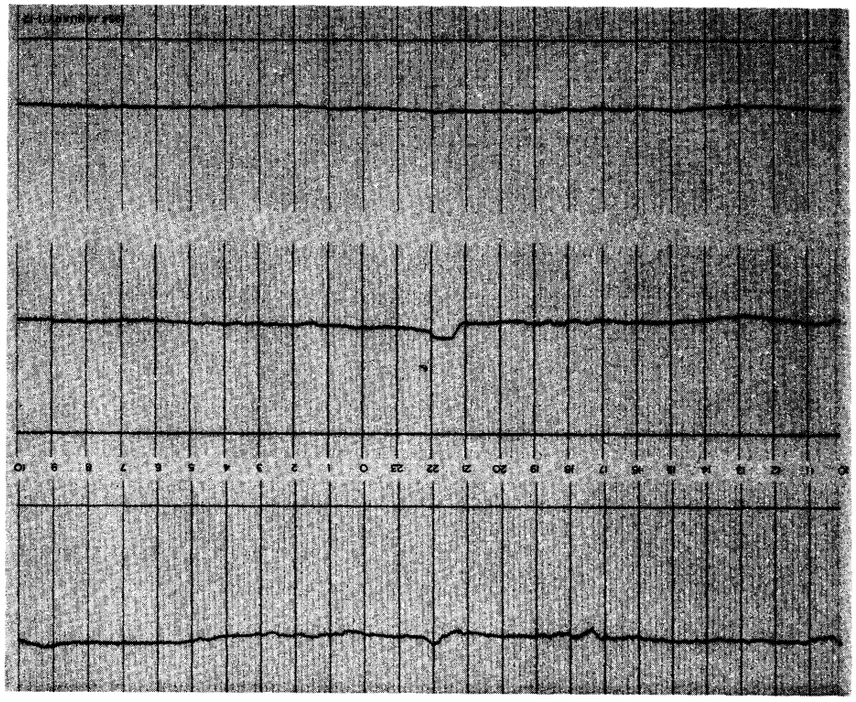

H
100γ
45°WEST
45°WEST
D
Z
100γ
1954 JANUARY 5-6

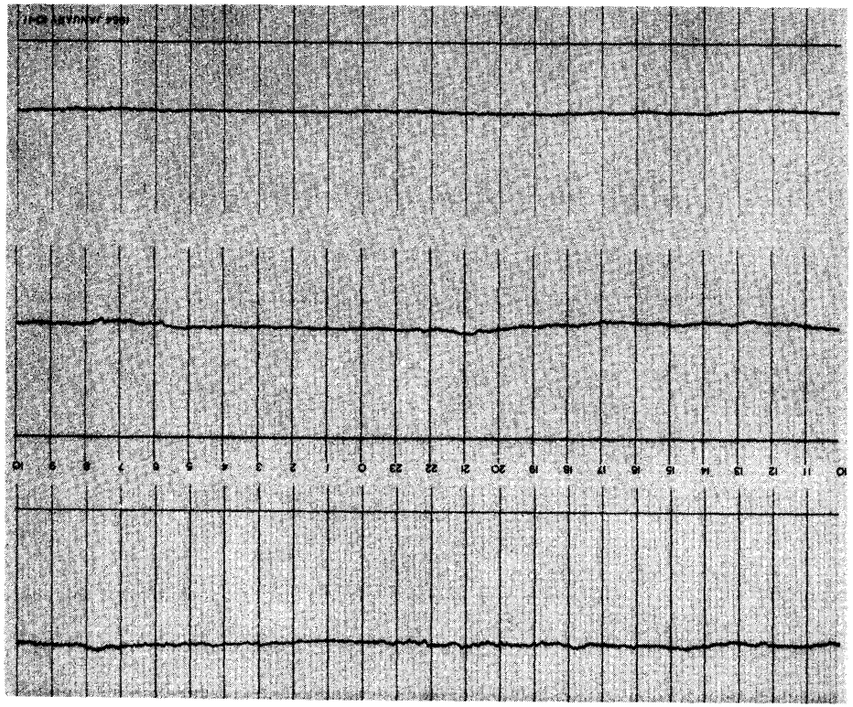

1954 JANUARY 6-7

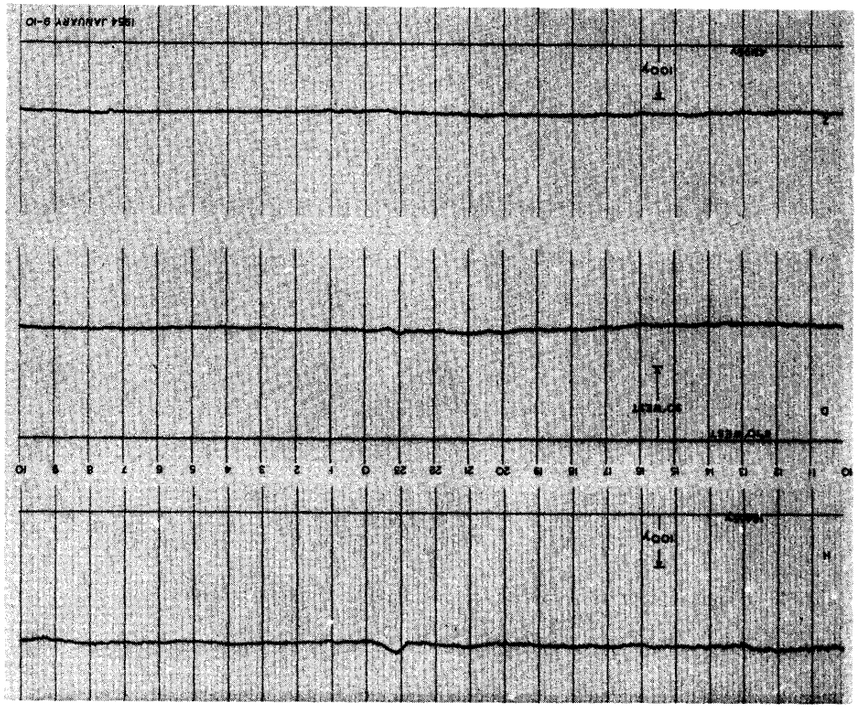

1954 JANUARY 7-8

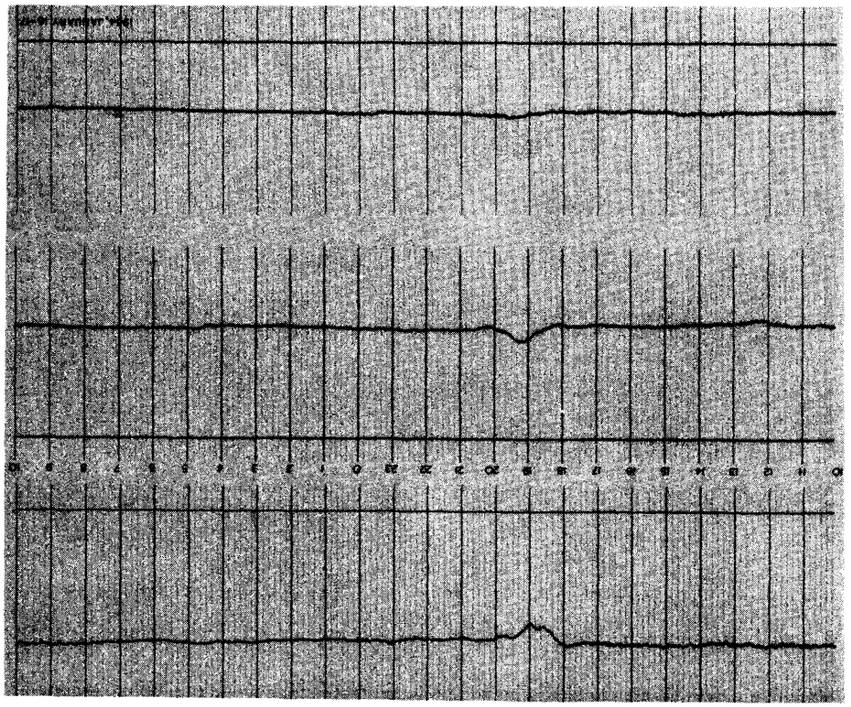

1954 JANUARY 8-9

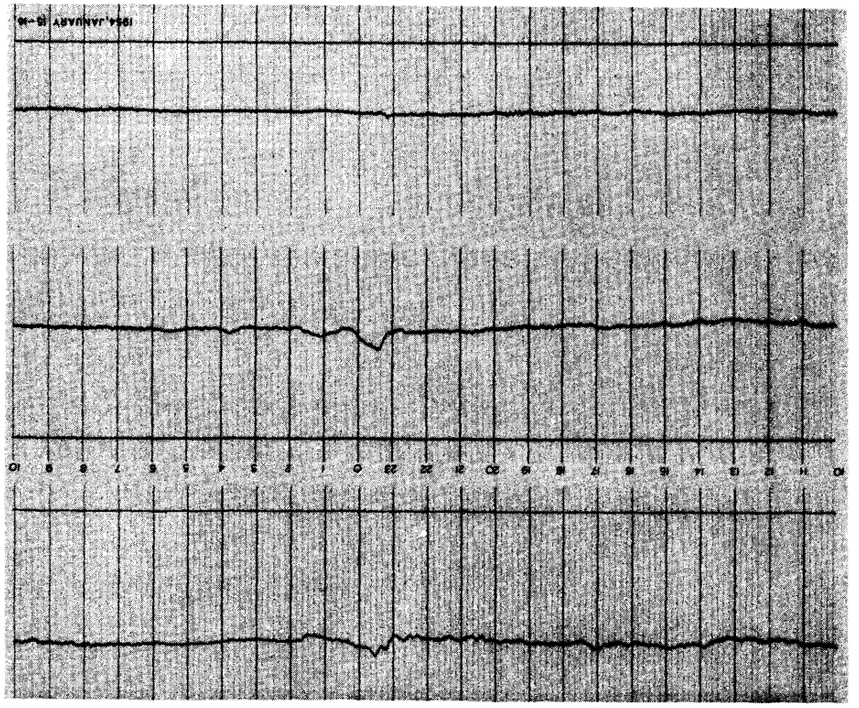


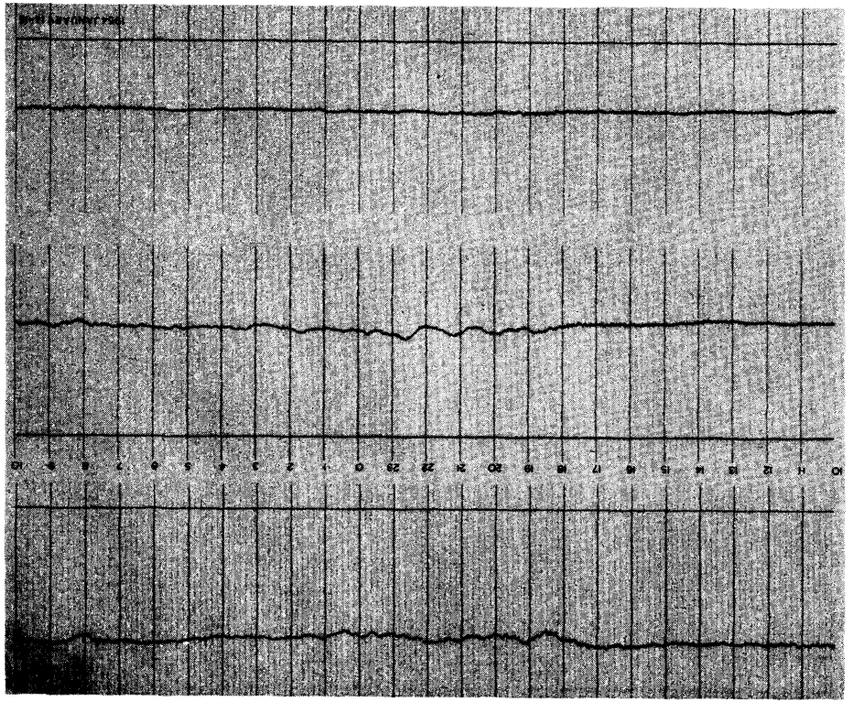


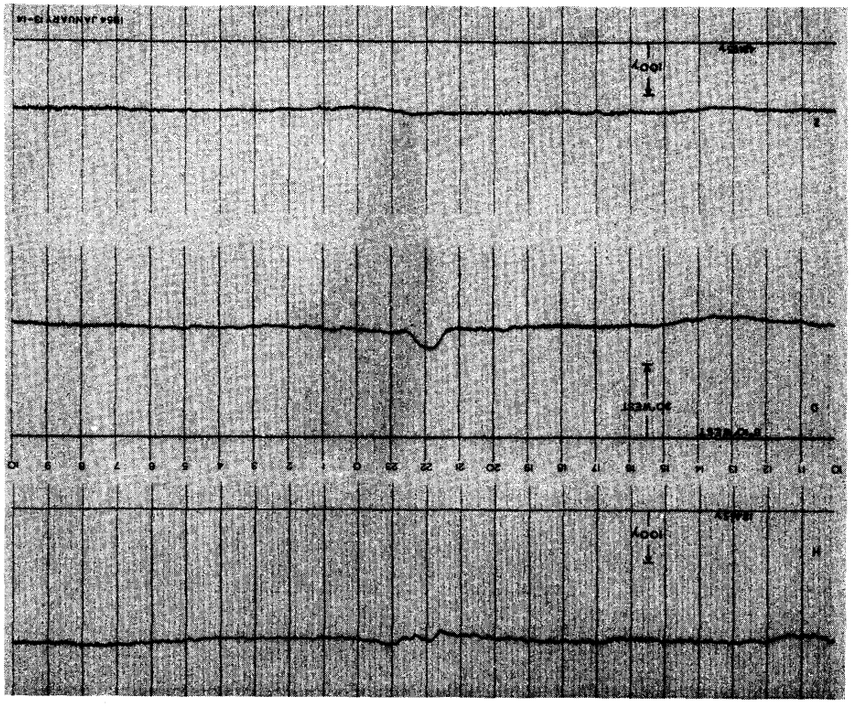


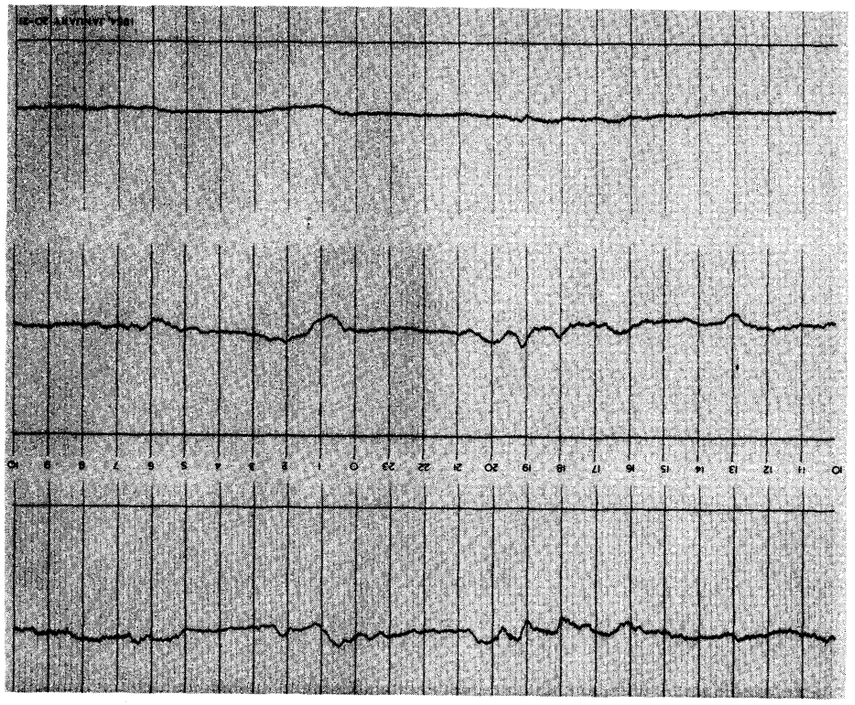


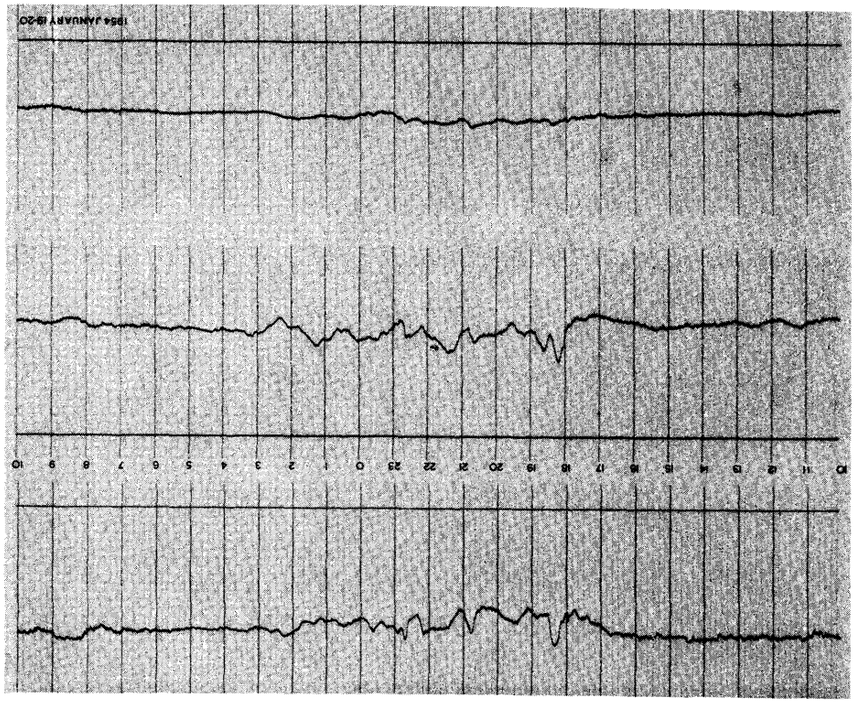


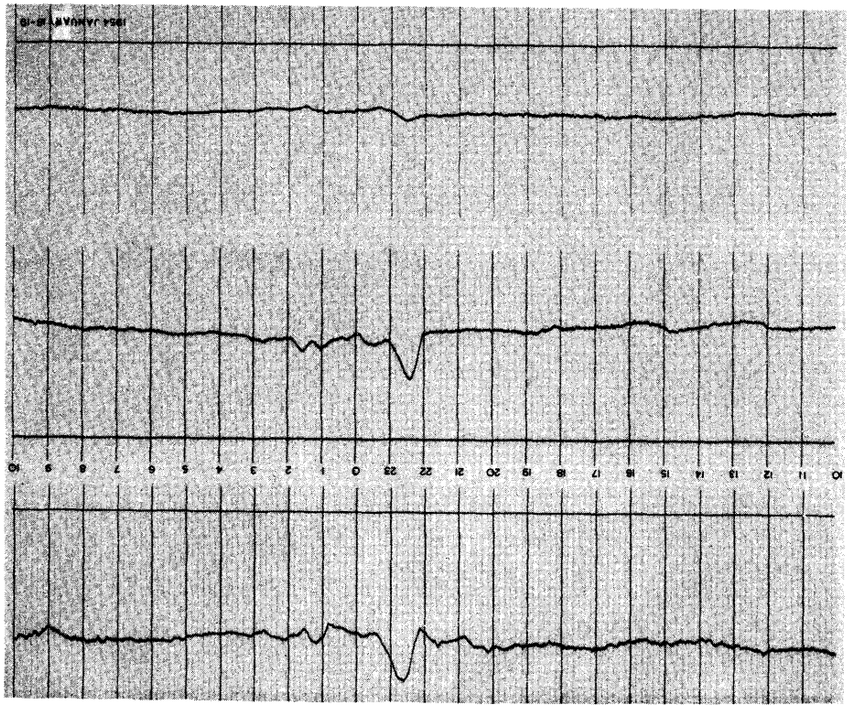


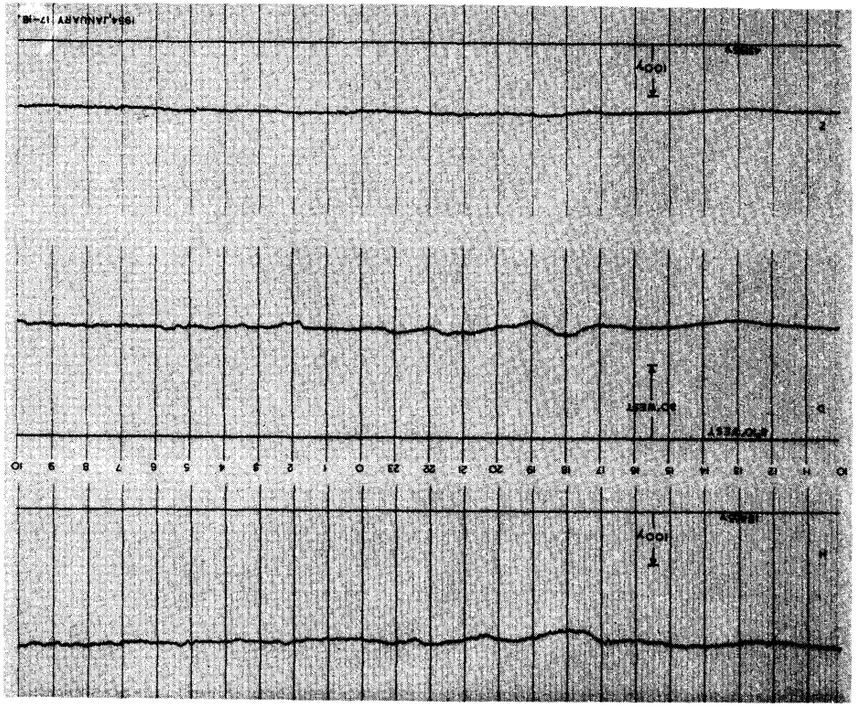


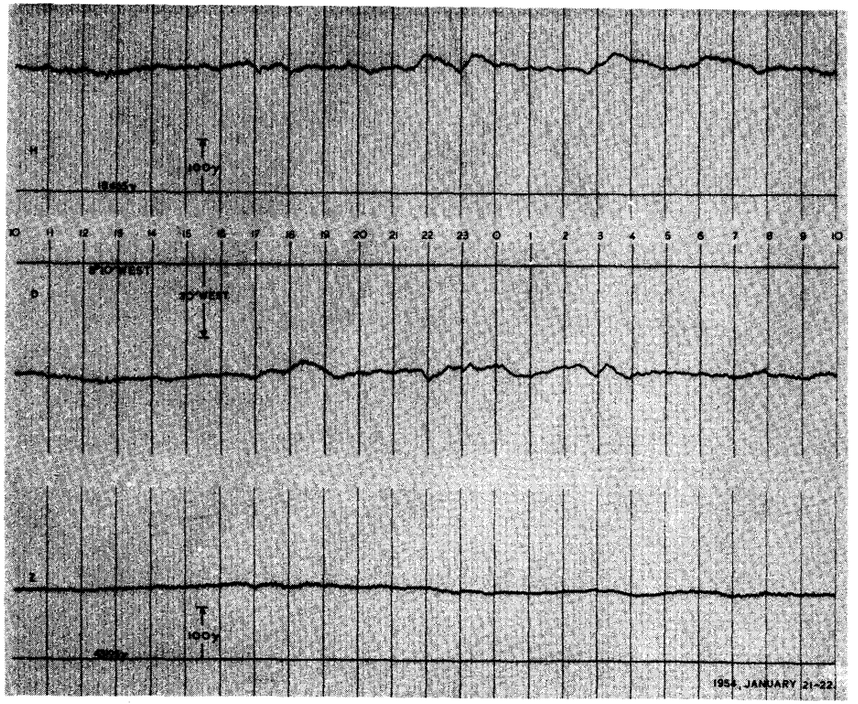


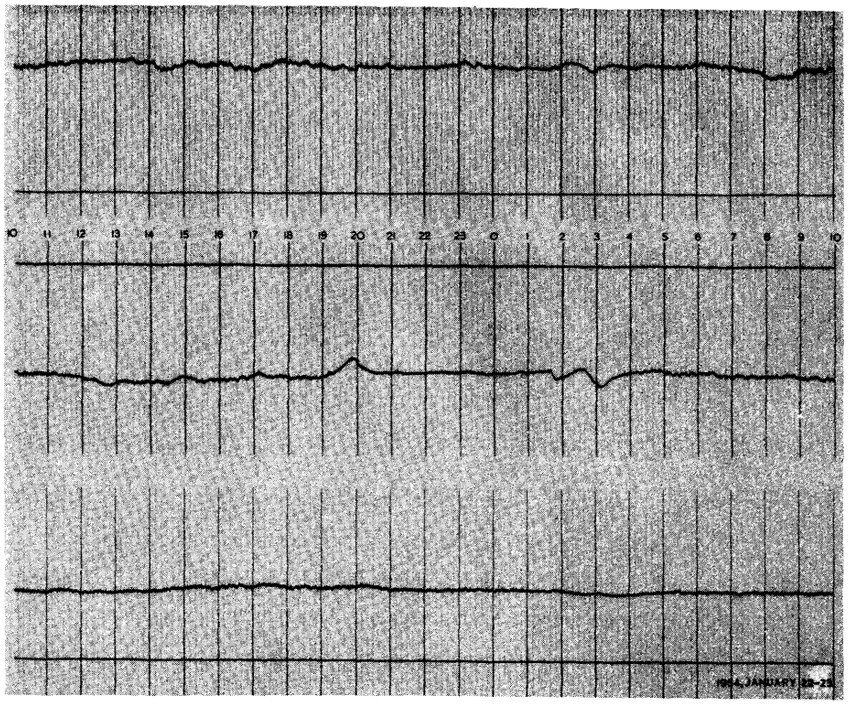









H
T
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
D
20° WEST
Z
T
100γ
1954, JANUARY 21-22.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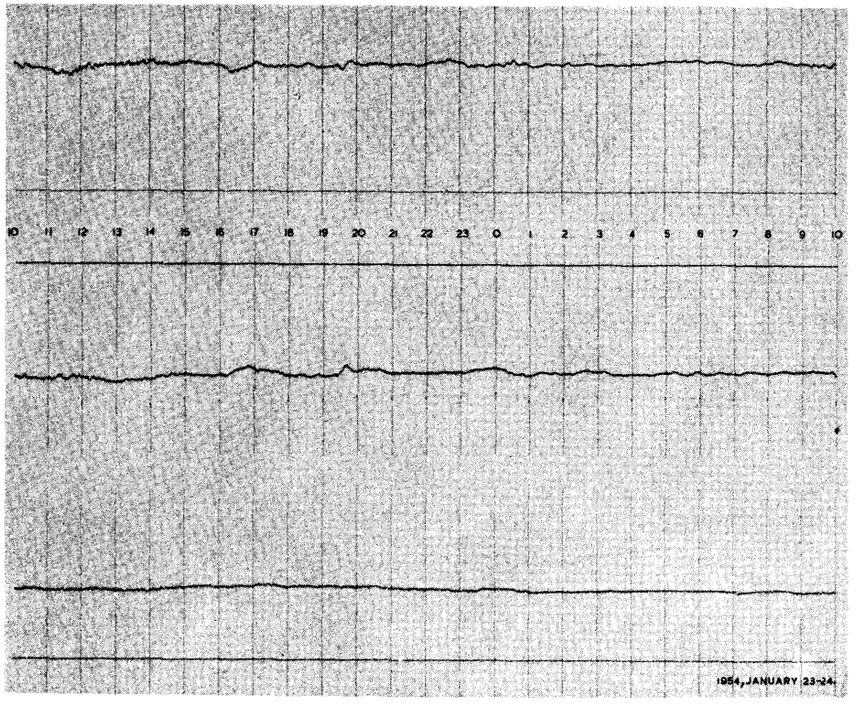
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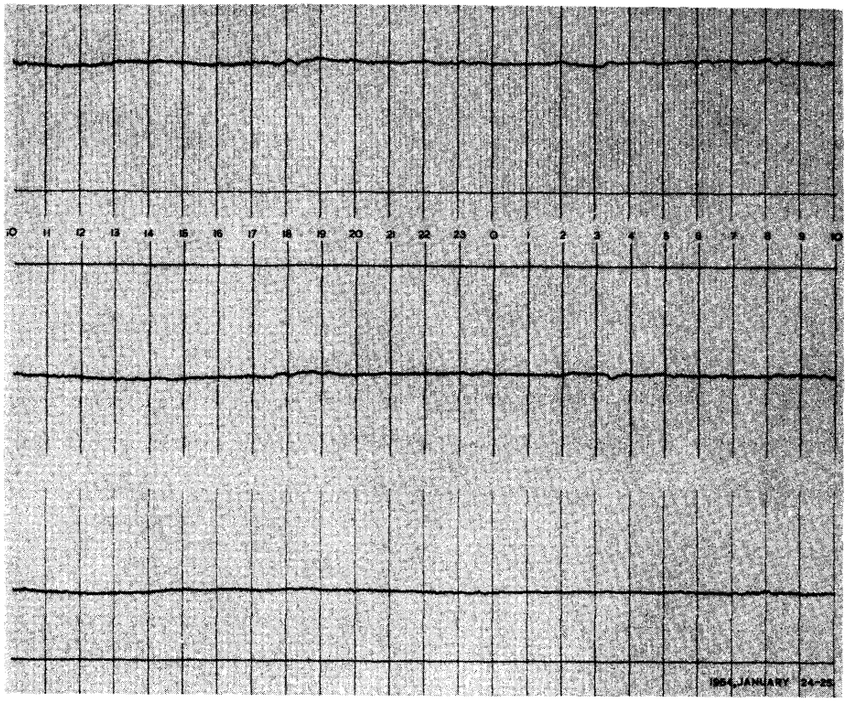
1954, JANUARY 23-24.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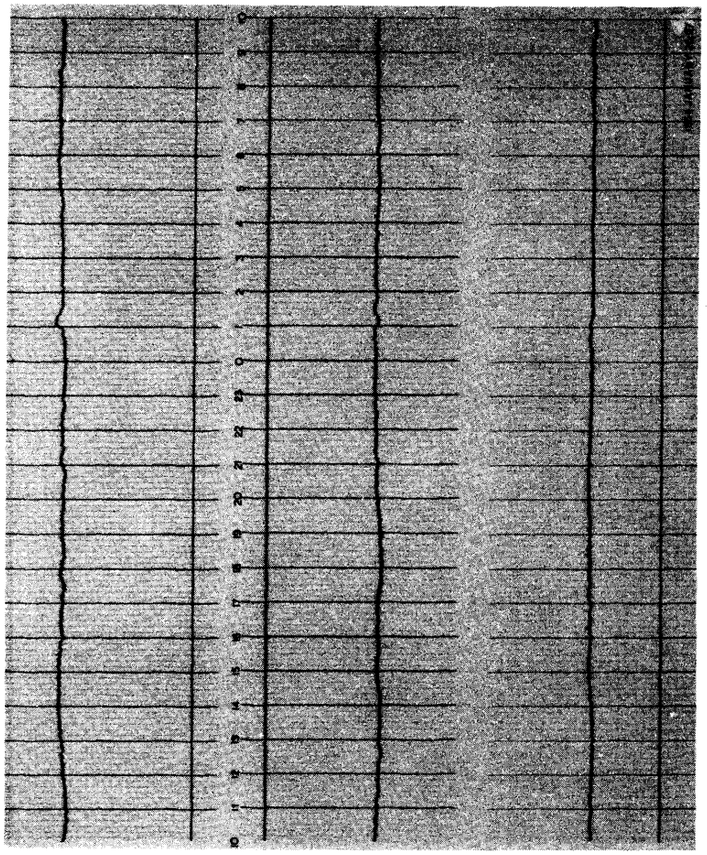
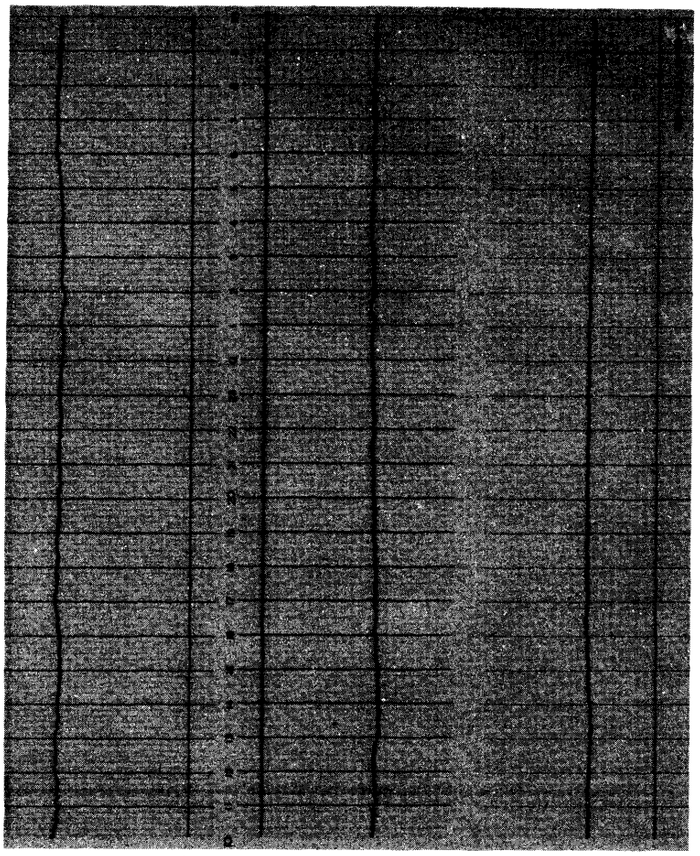
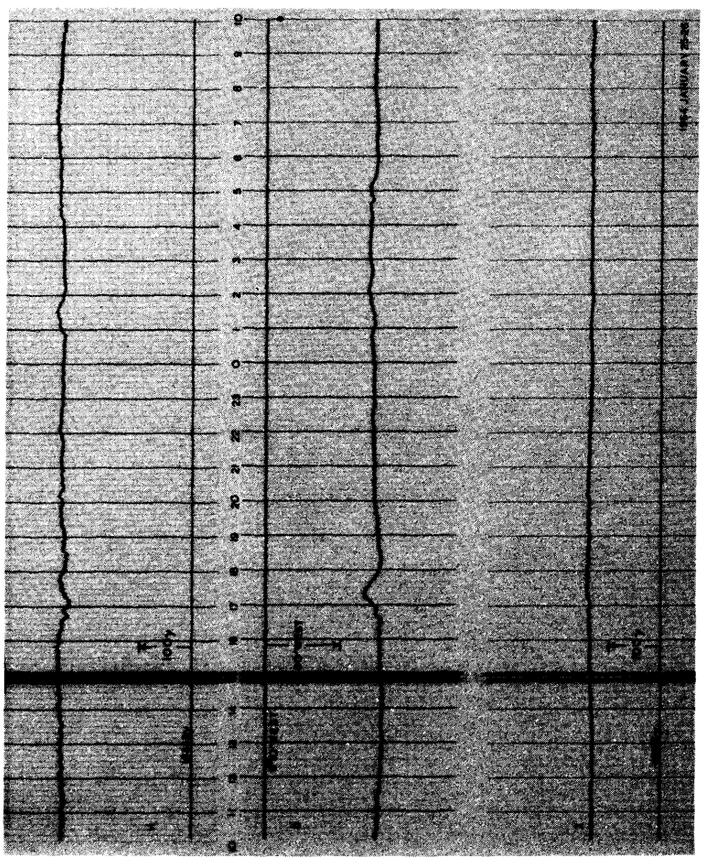
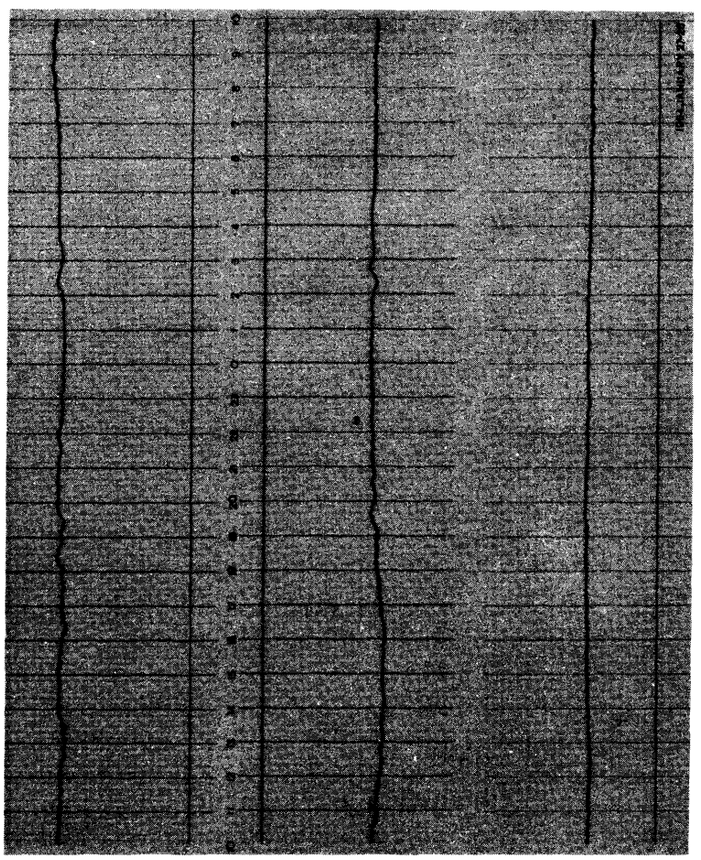
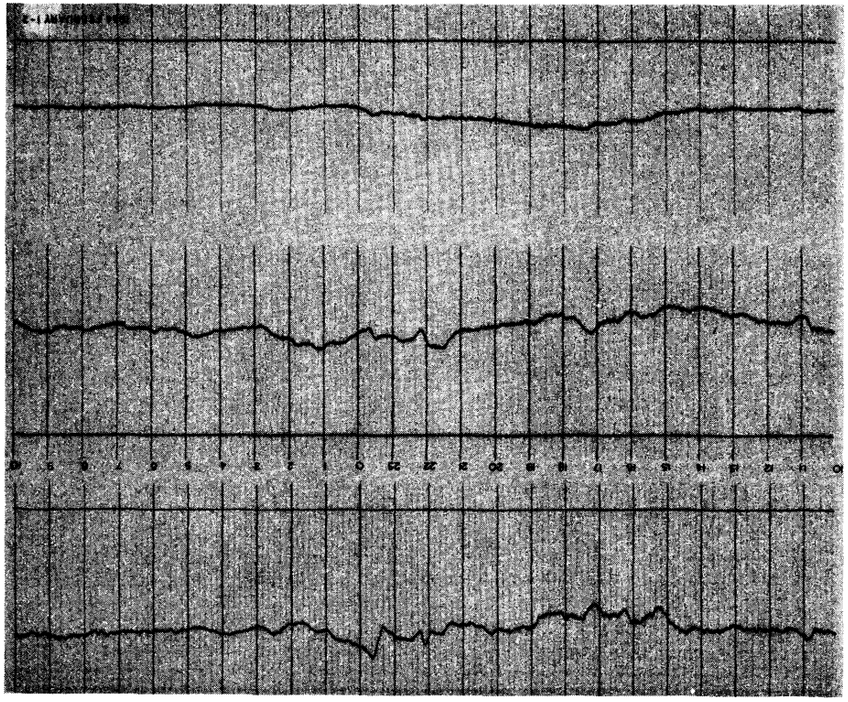
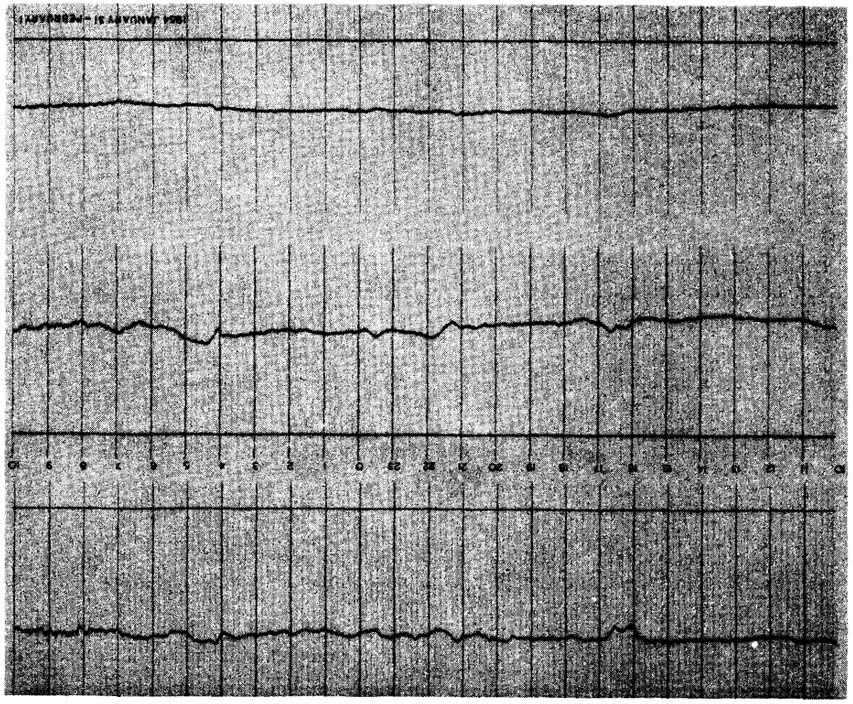


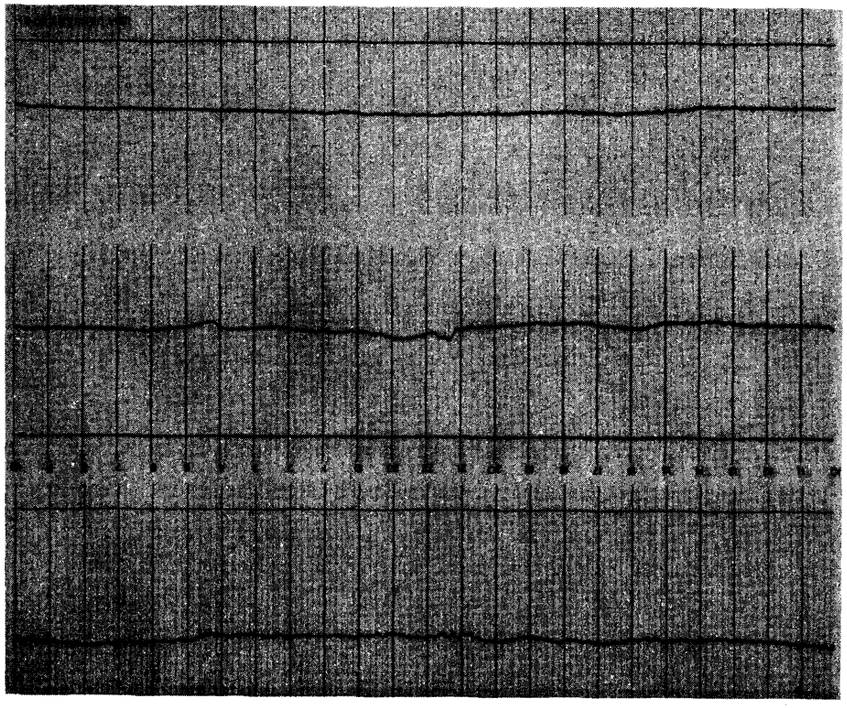


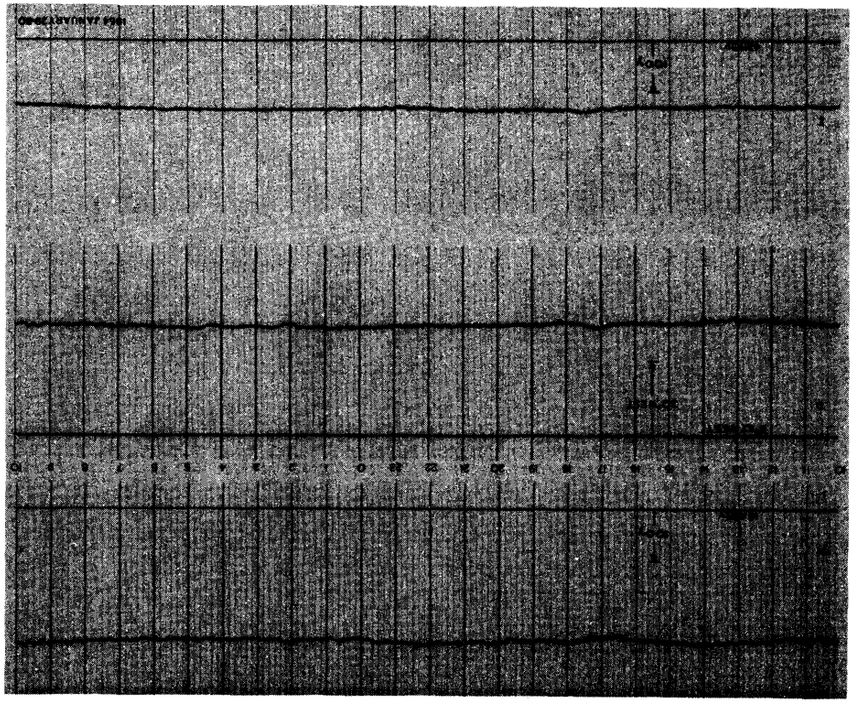


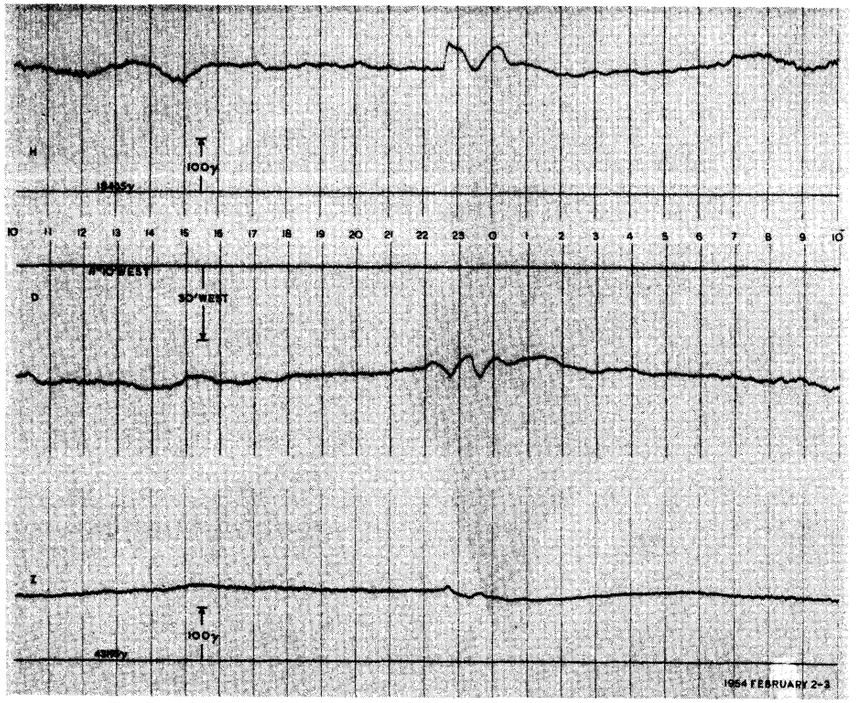


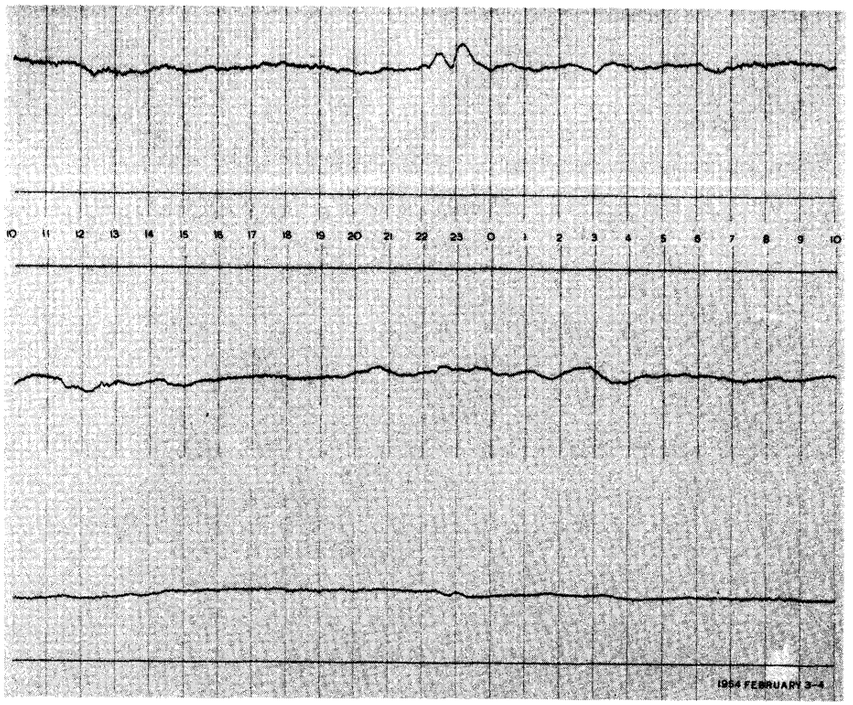


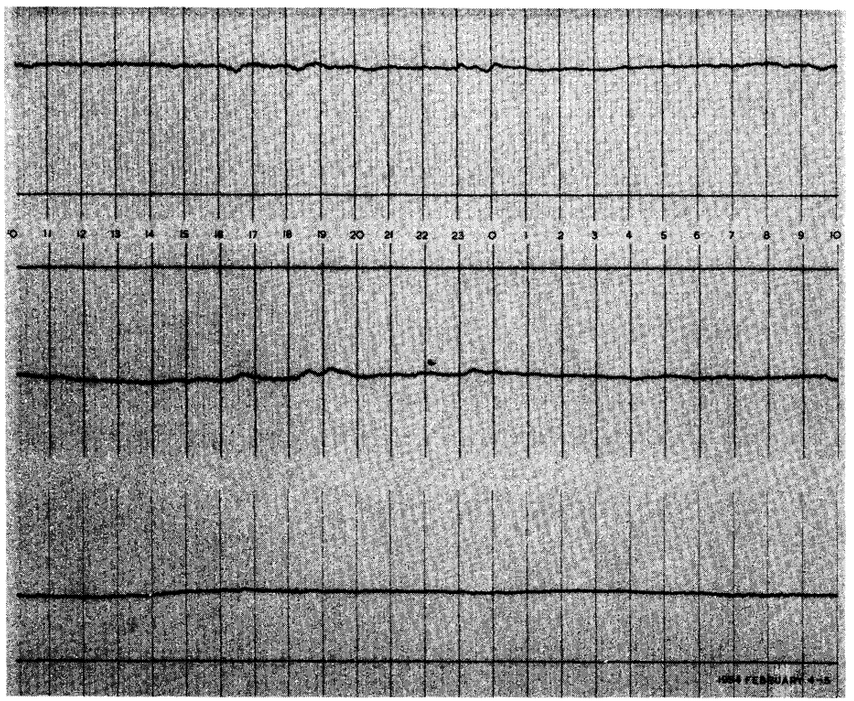







H
100γ
18455γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
4°10'WEST
D
30'WEST
Z
100γ
43155γ
1954 FEBRUARY 2-3


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 FEBRUARY 3-4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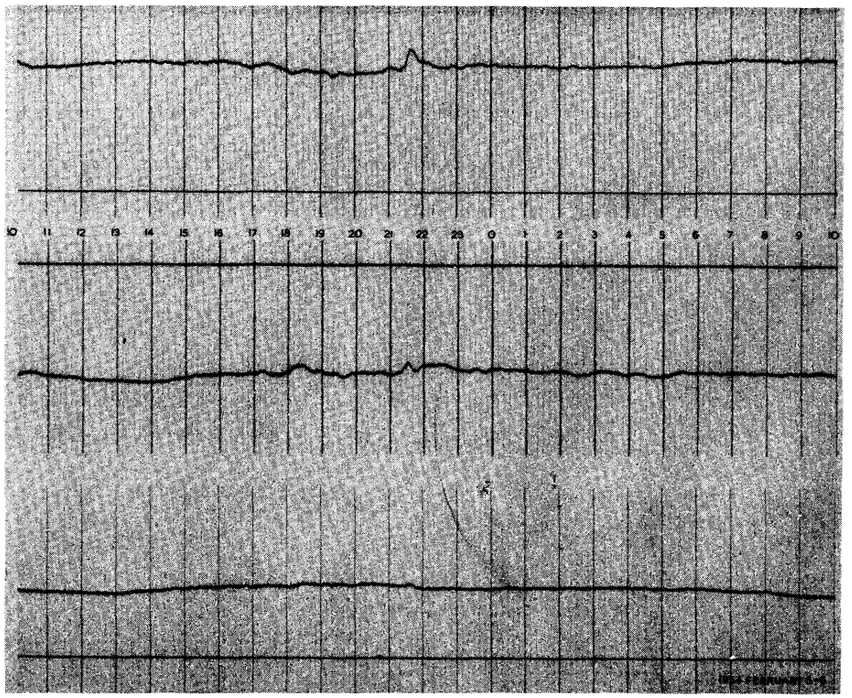
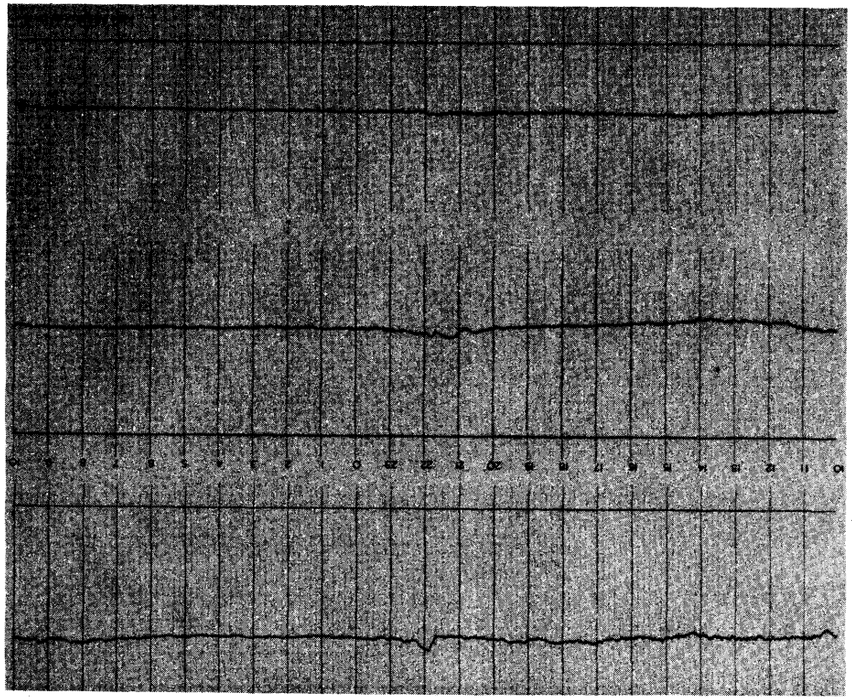

10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10

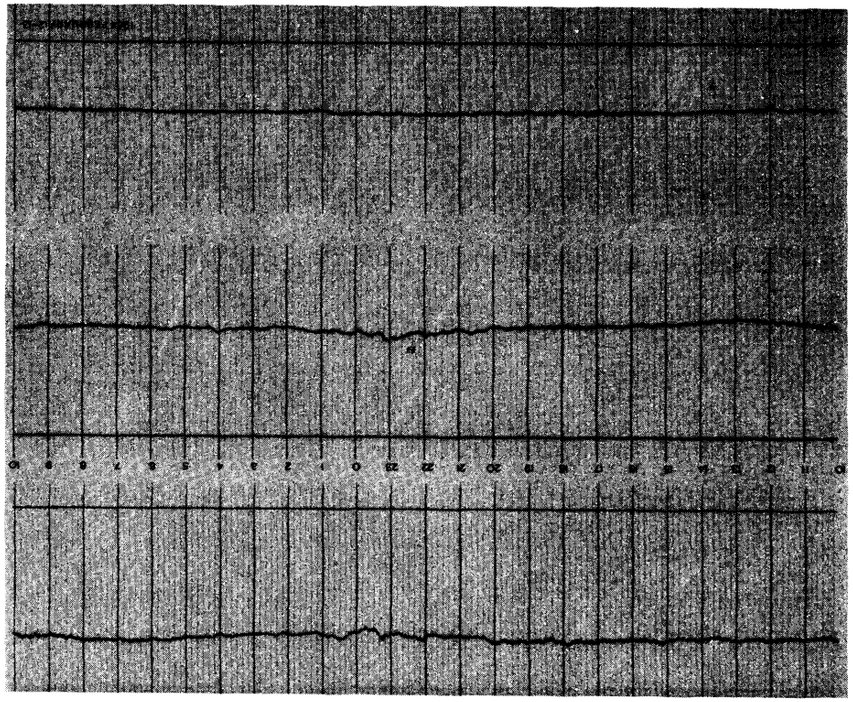
1954 FEBRUARY 7-8

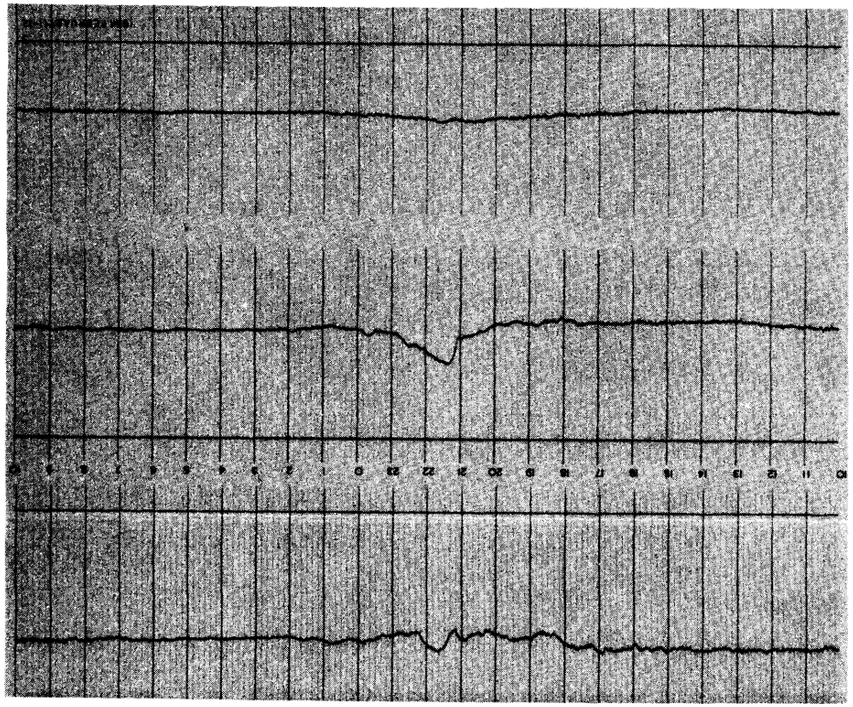
1954 FEBRUARY 8-9

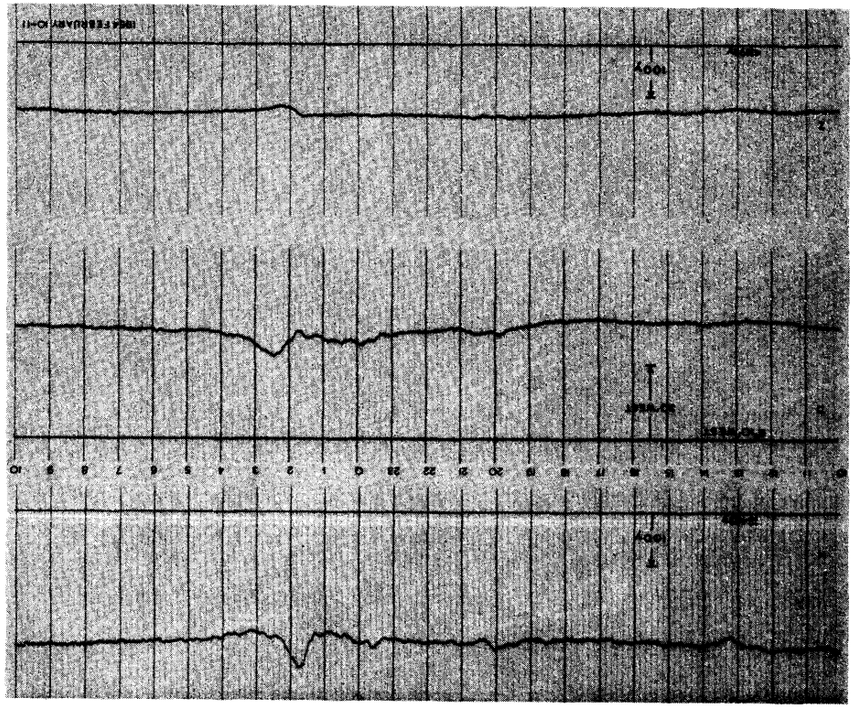
1954 FEBRUARY 7-8

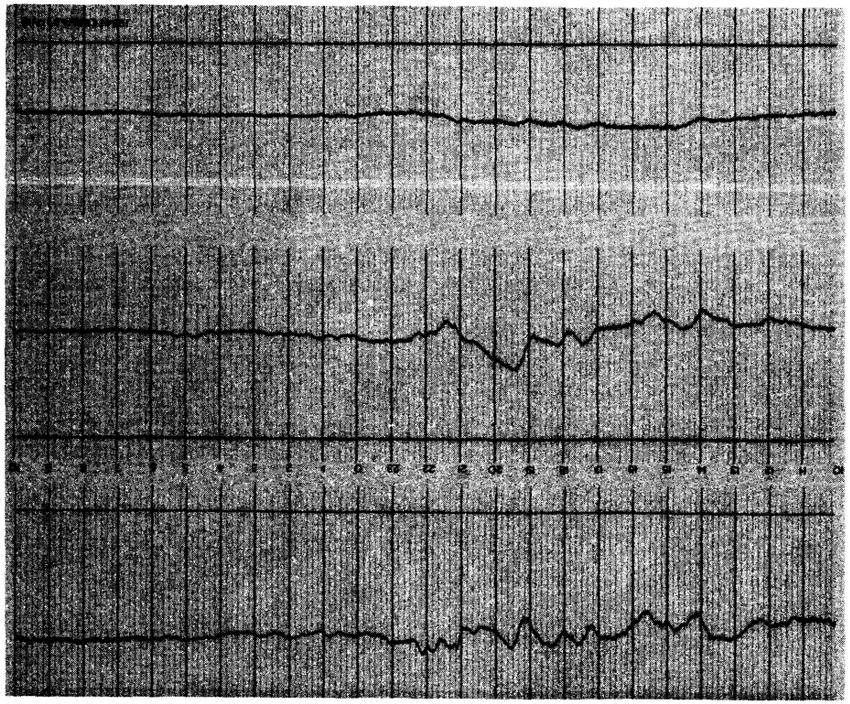
1954 FEBRUARY 8-9

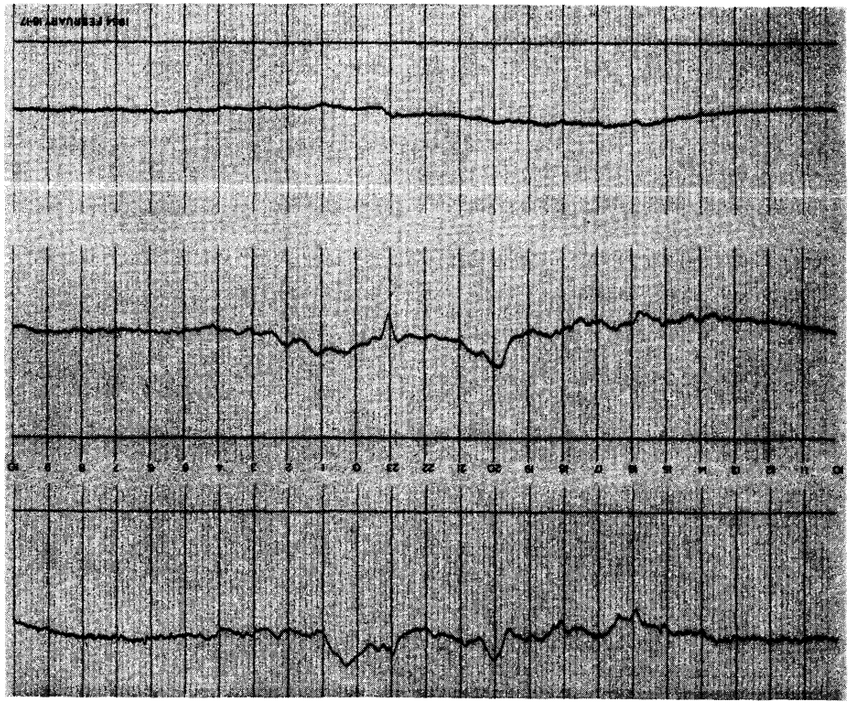


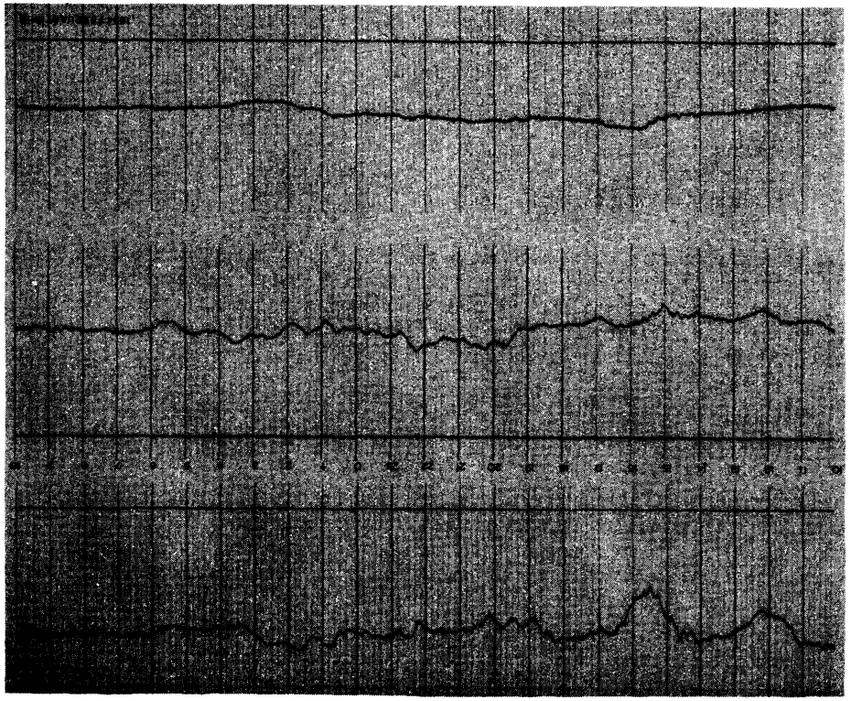


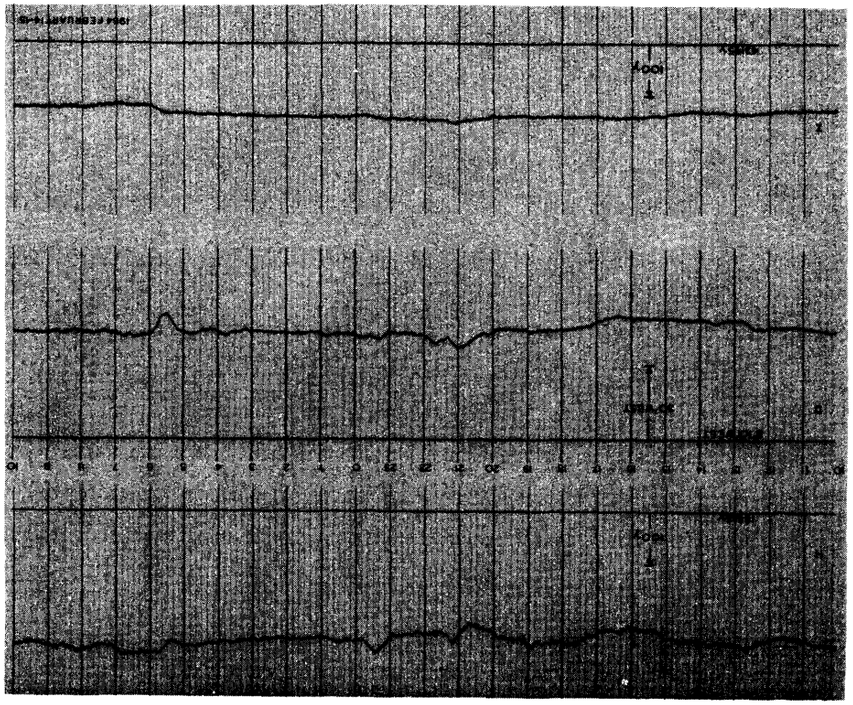


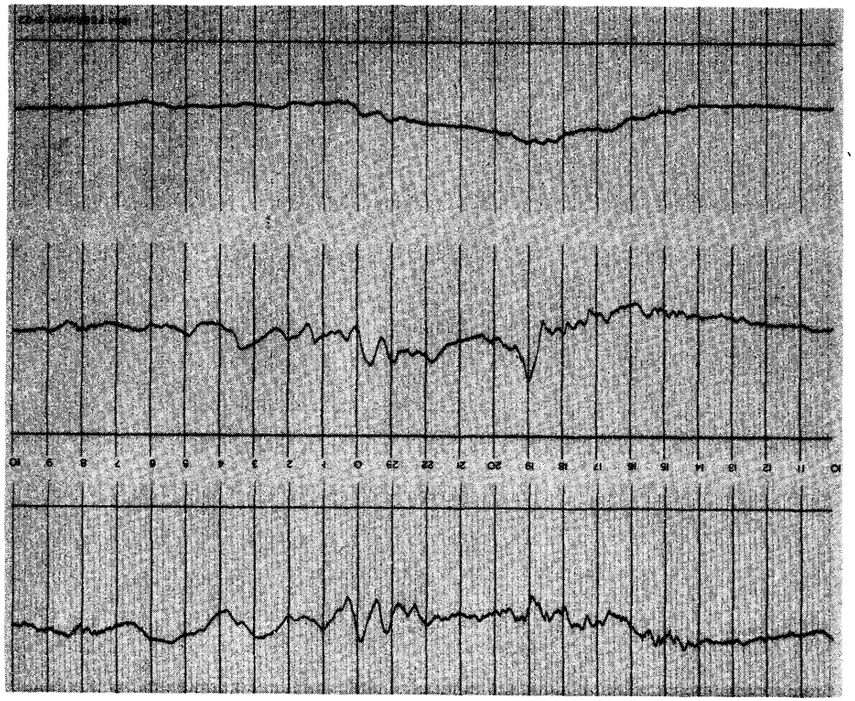


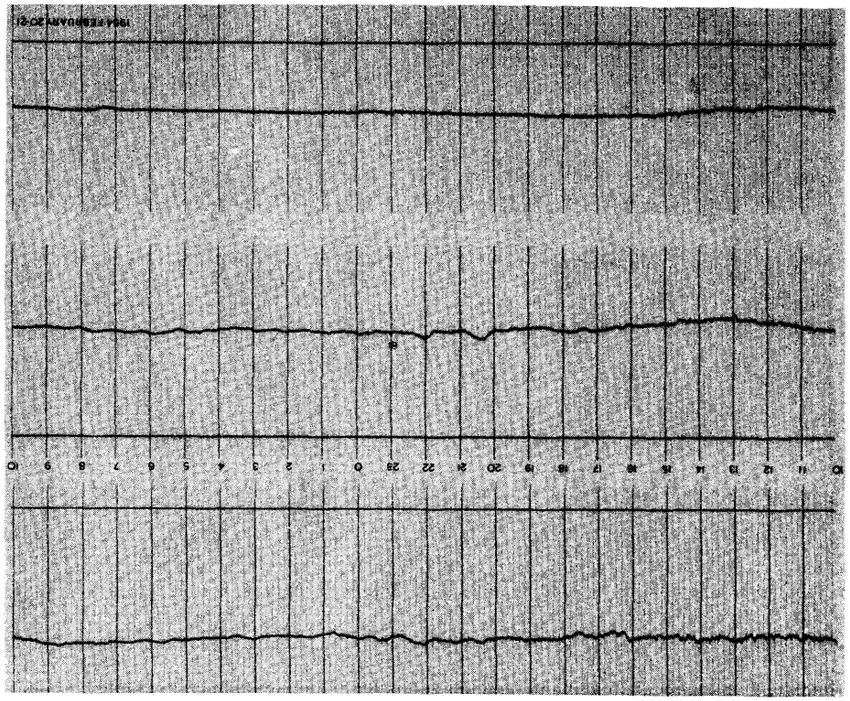


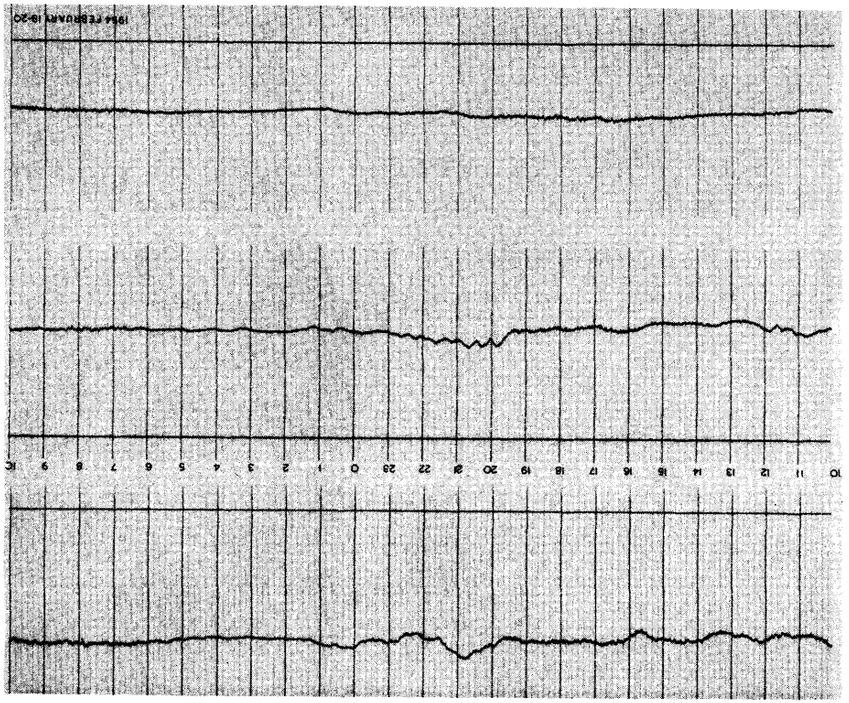


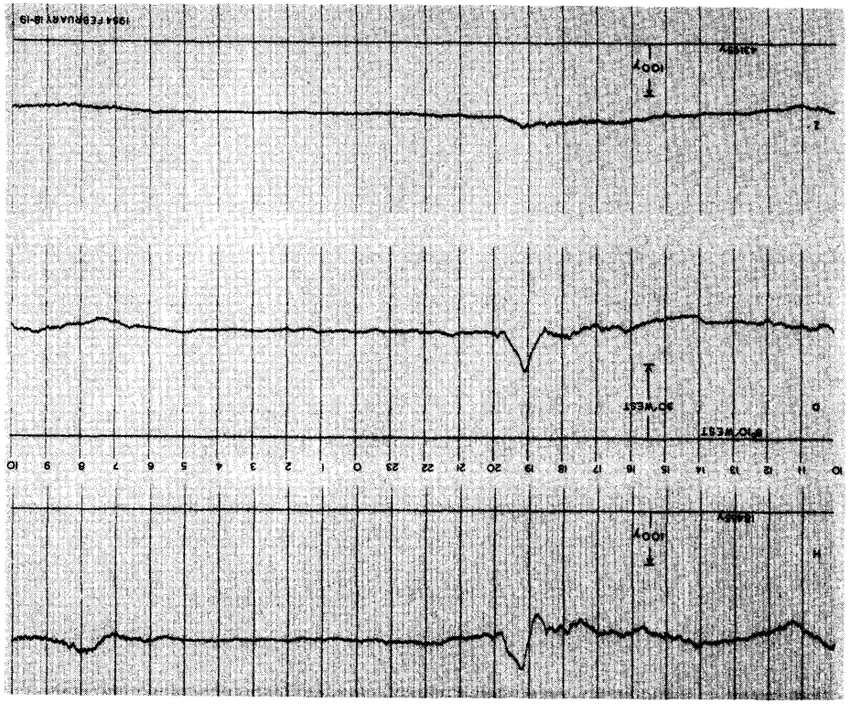


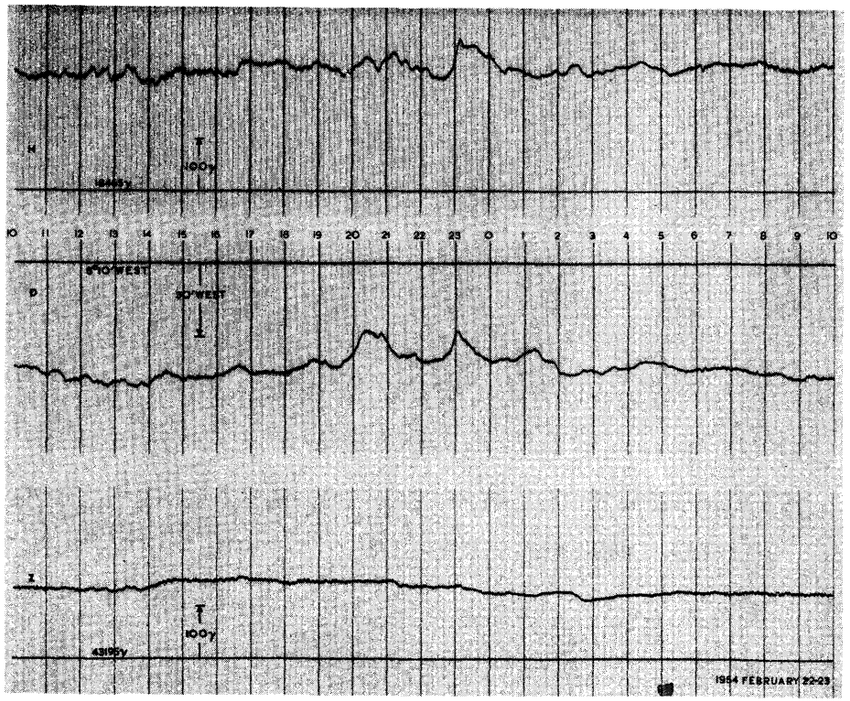


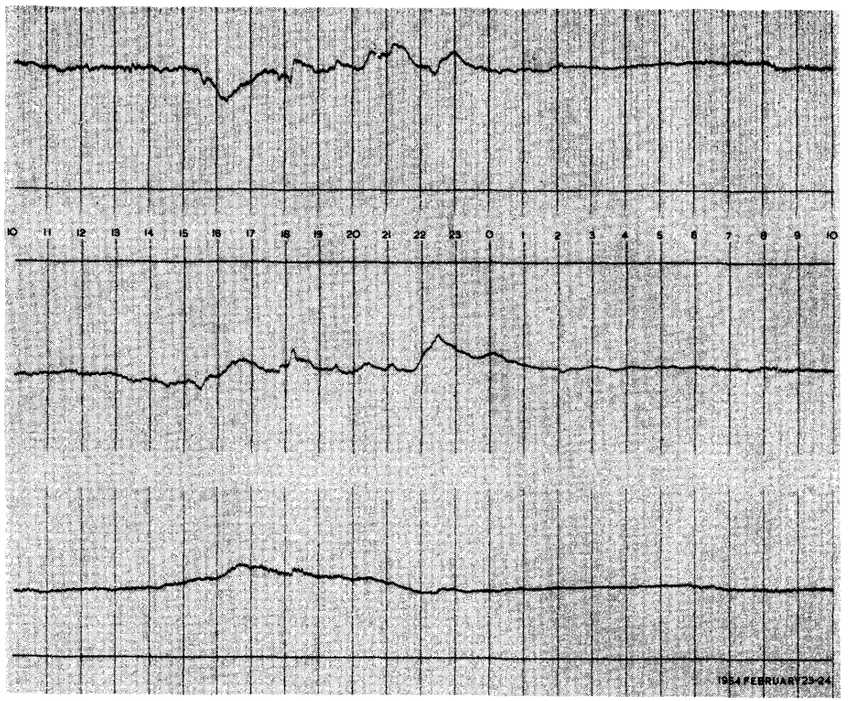


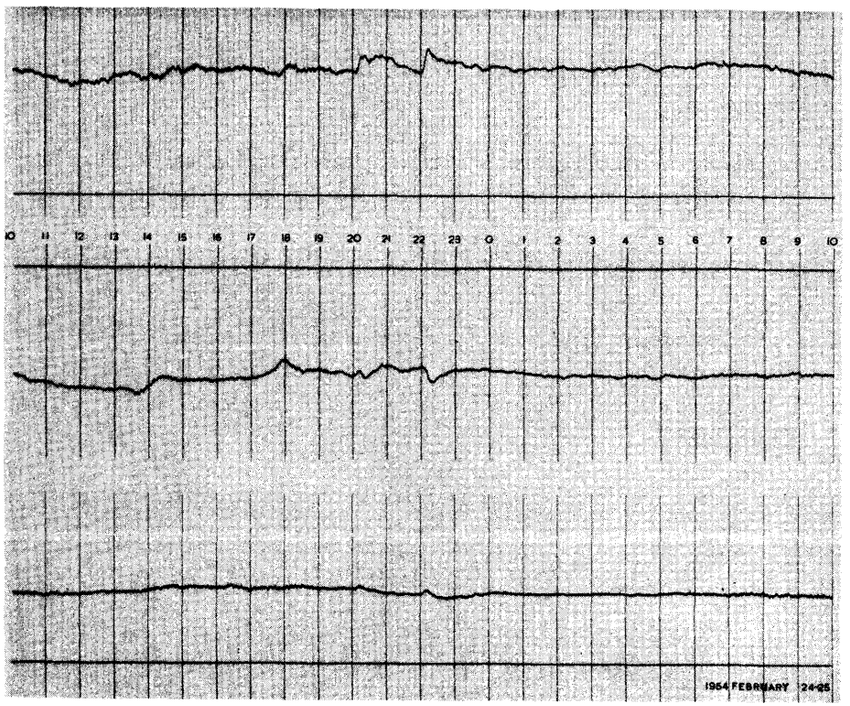


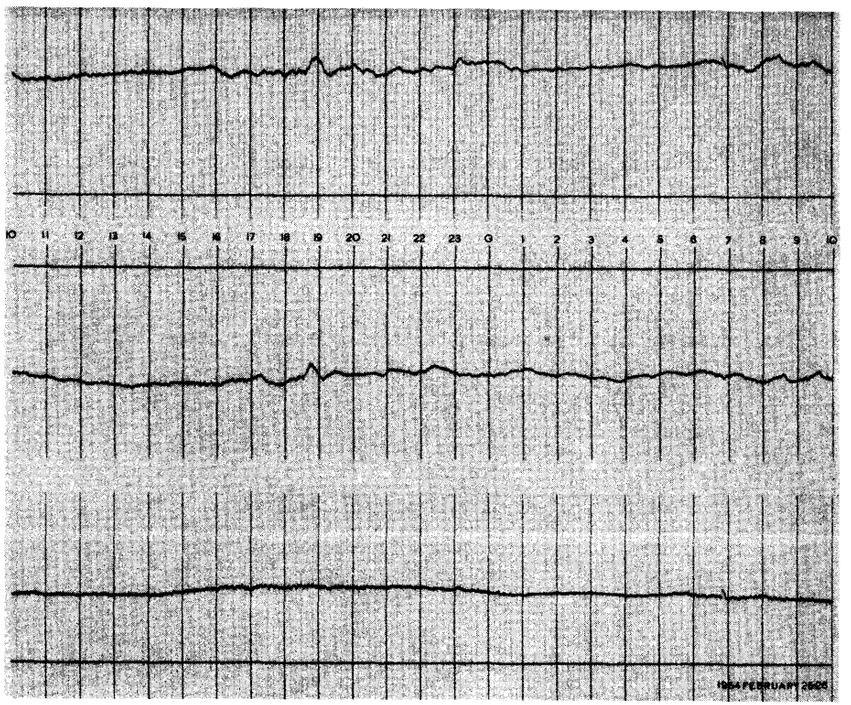



100Y
Z
30°WEST
B
100Y
H


H
18455γ
T
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°10' WEST
D
50' WEST
Z
43195γ
T
100γ
1954 FEBRUARY 22-23


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 FEBRUARY 23-24


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 FEBRUARY 24-25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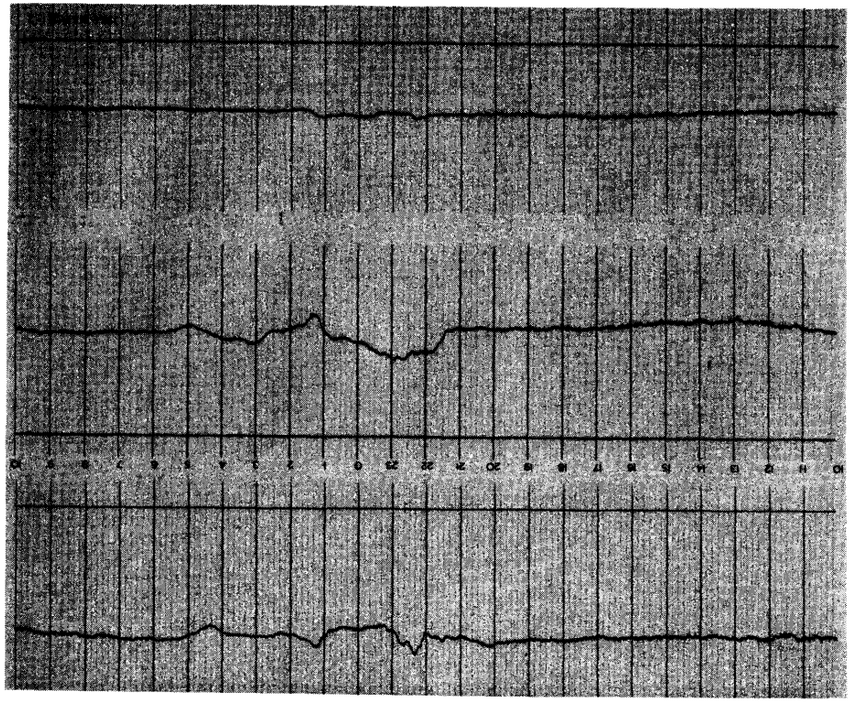
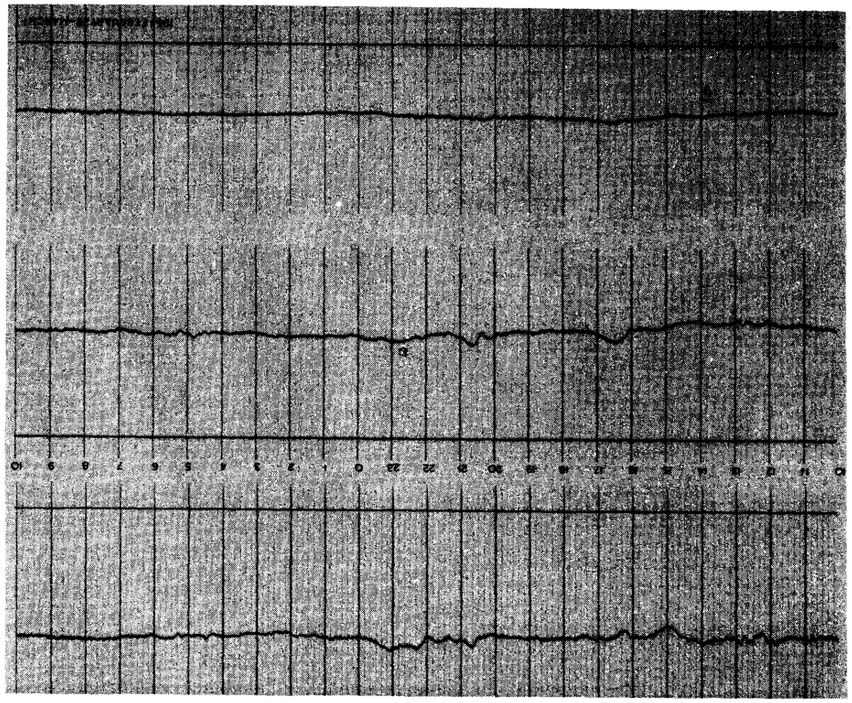
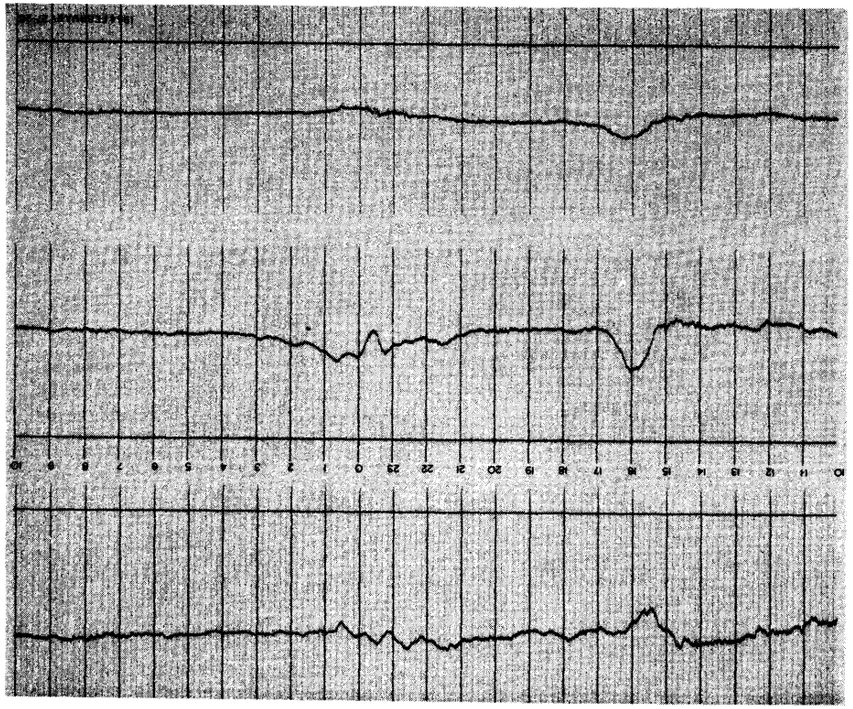
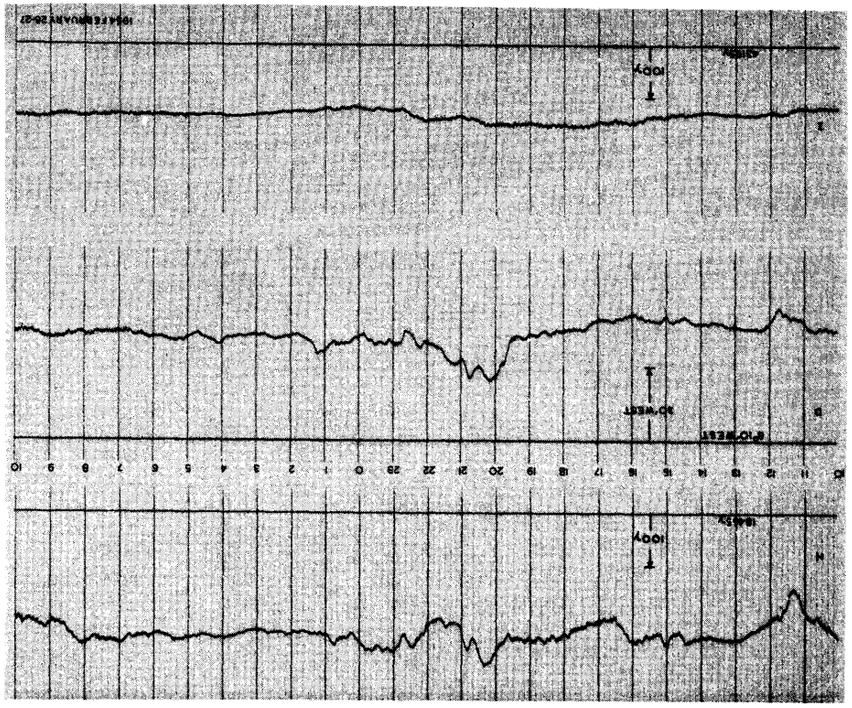
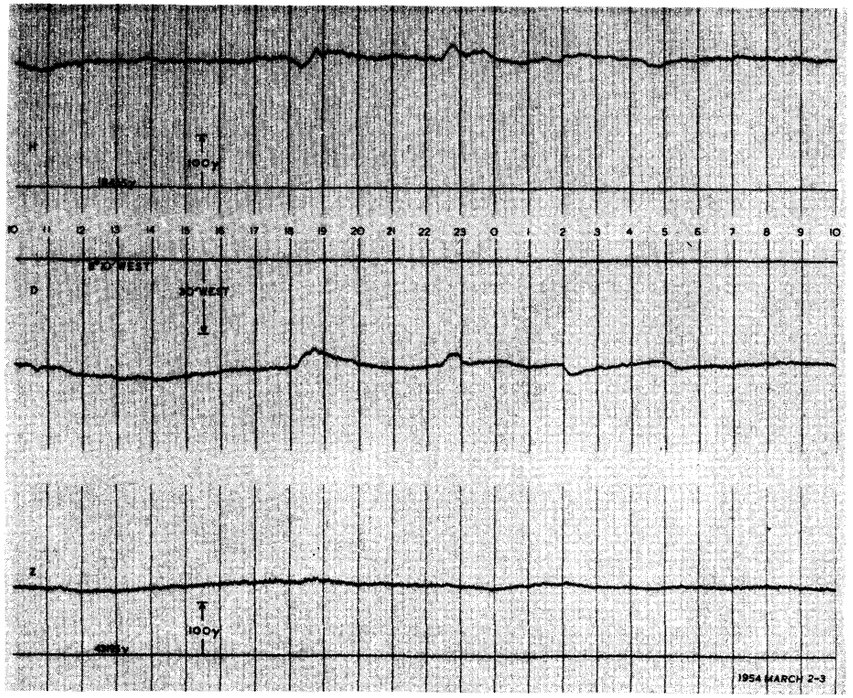
1954 FEBRUARY 25-26

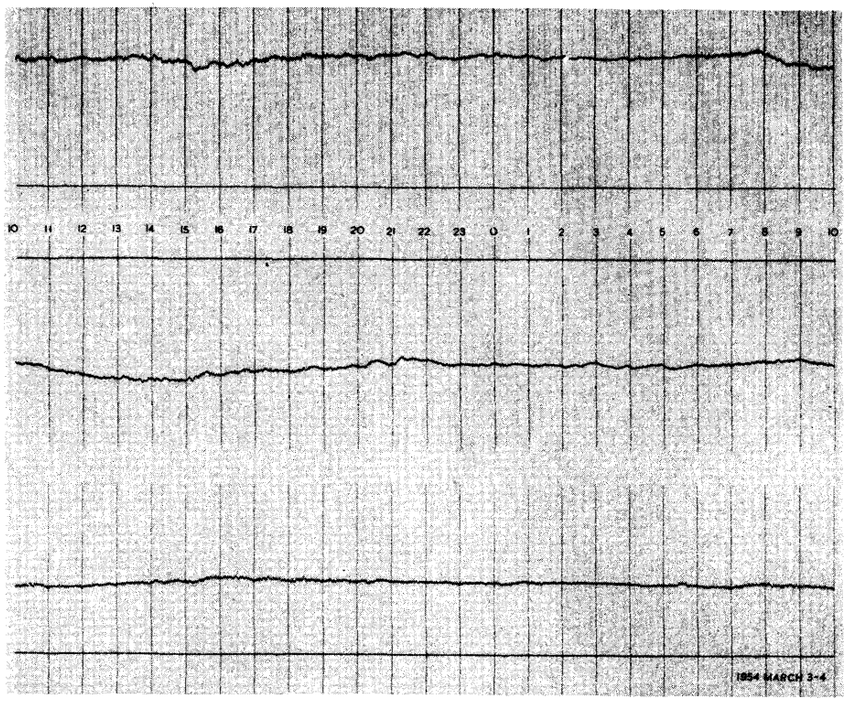









H
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
D
100γ
Z
100γ
1954 MARCH 2-3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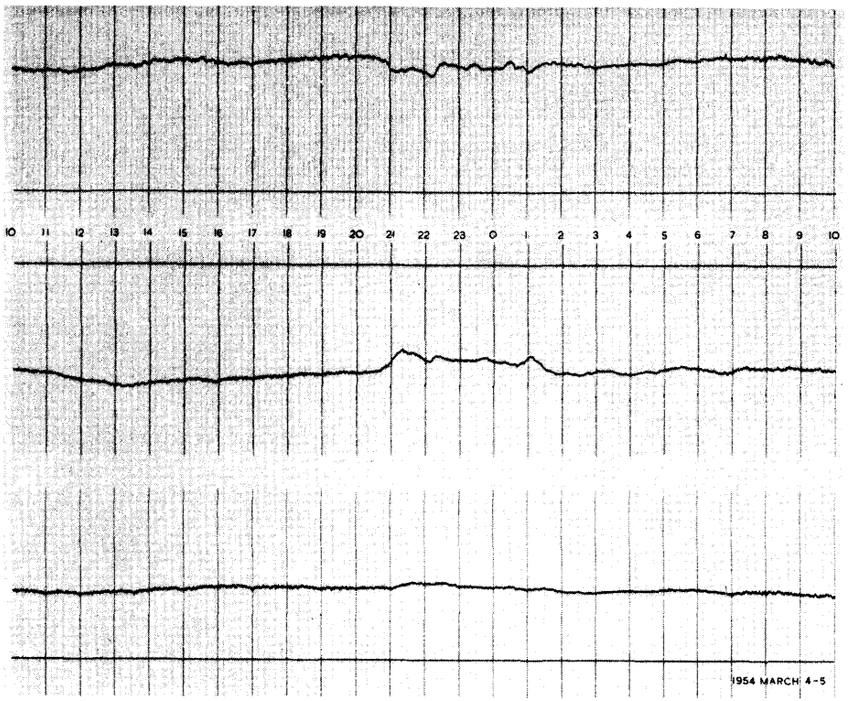
1954 MARCH 3-4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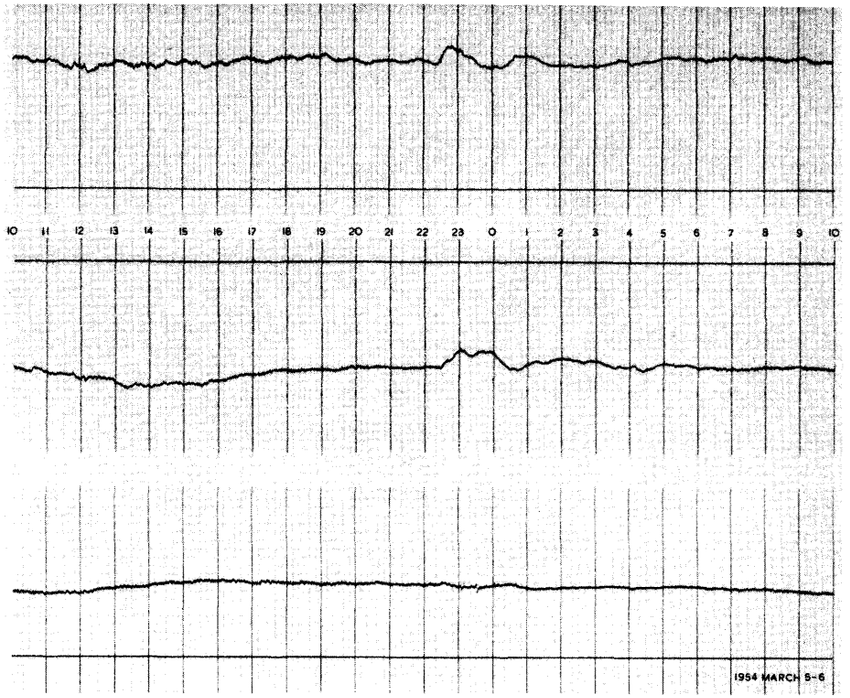
1954 MARCH 4-5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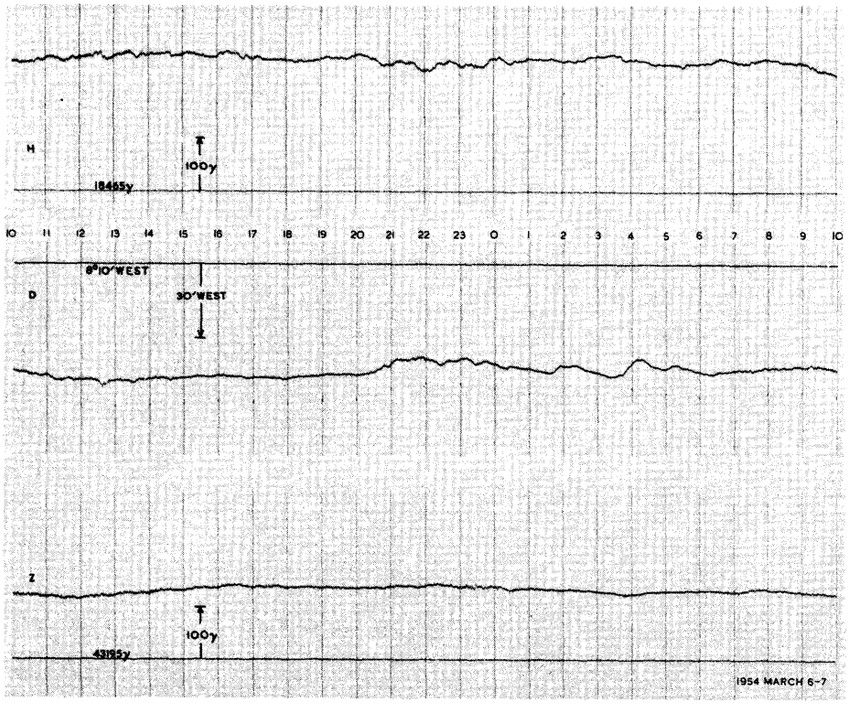
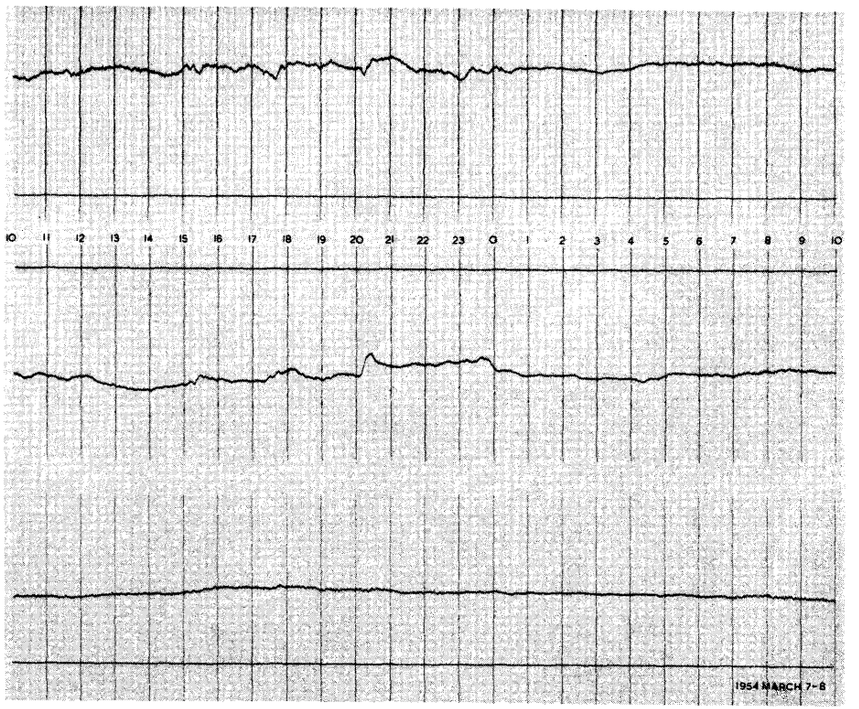
1954 MARCH 5-6


H
100γ
18465γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
6°10' WEST
D
30' WEST
Z
100γ
43152γ
1954 MARCH 6-7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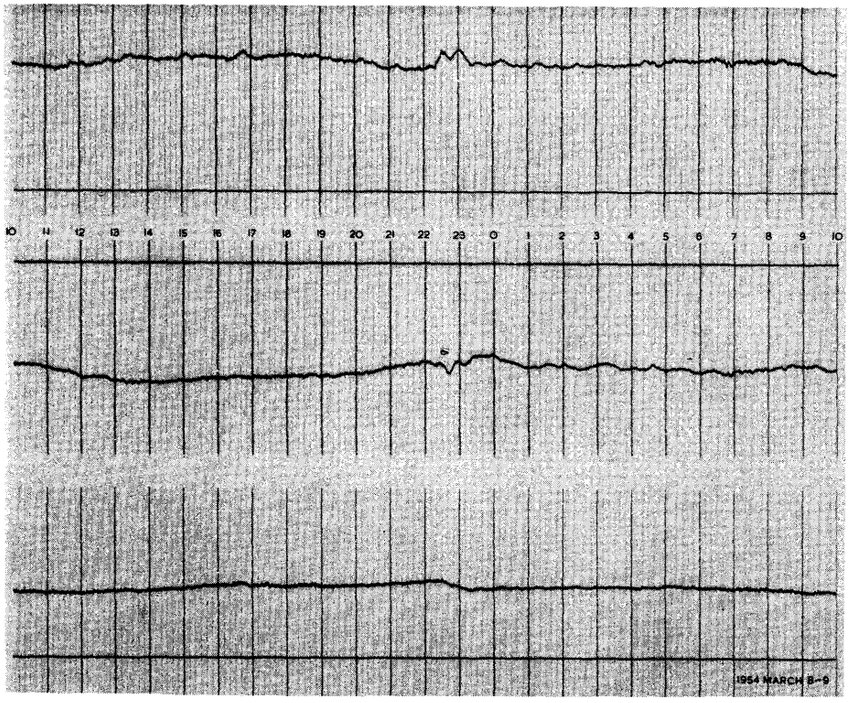
1954 MARCH 7-8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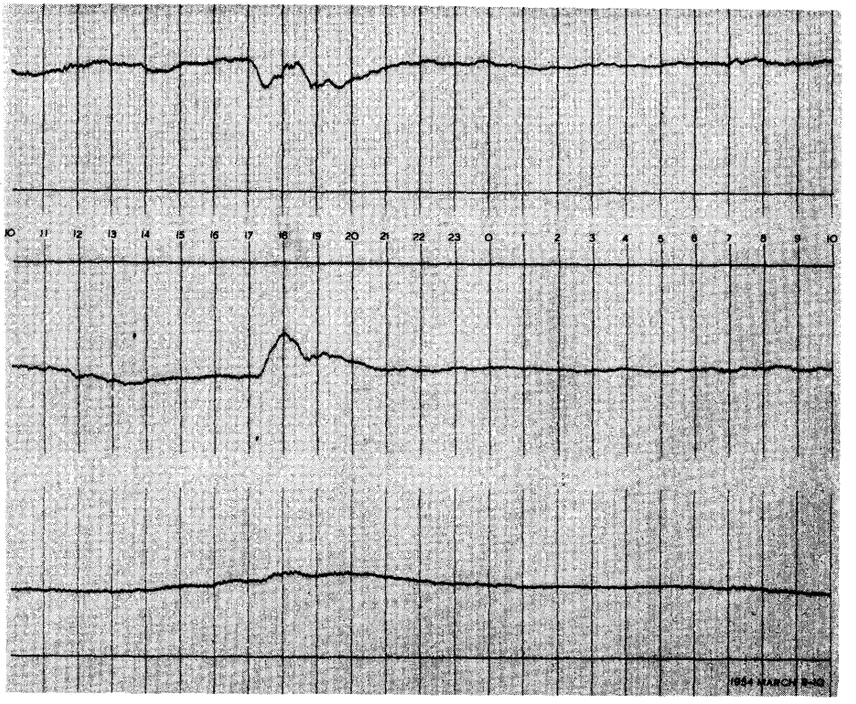
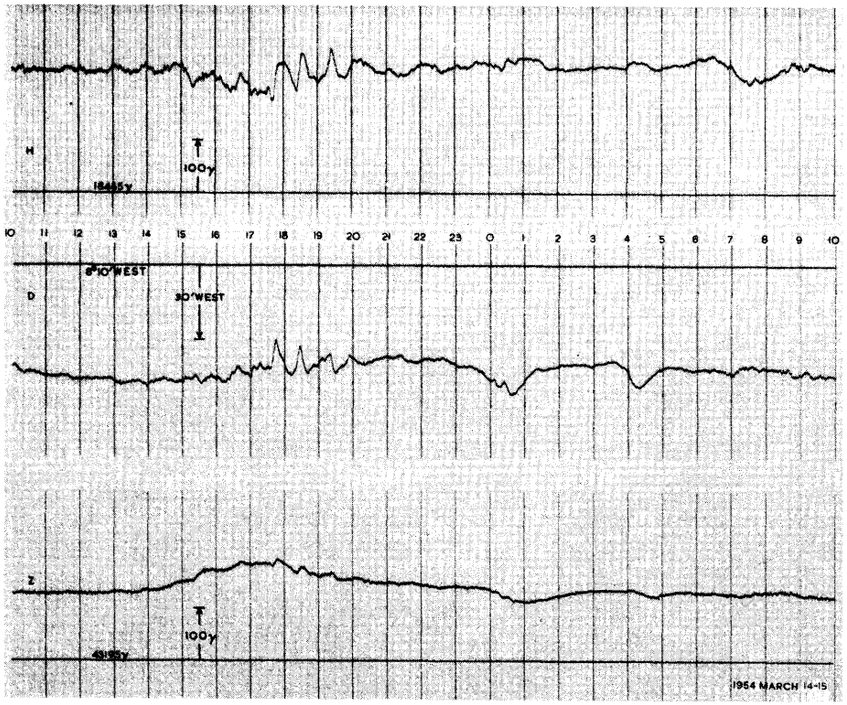
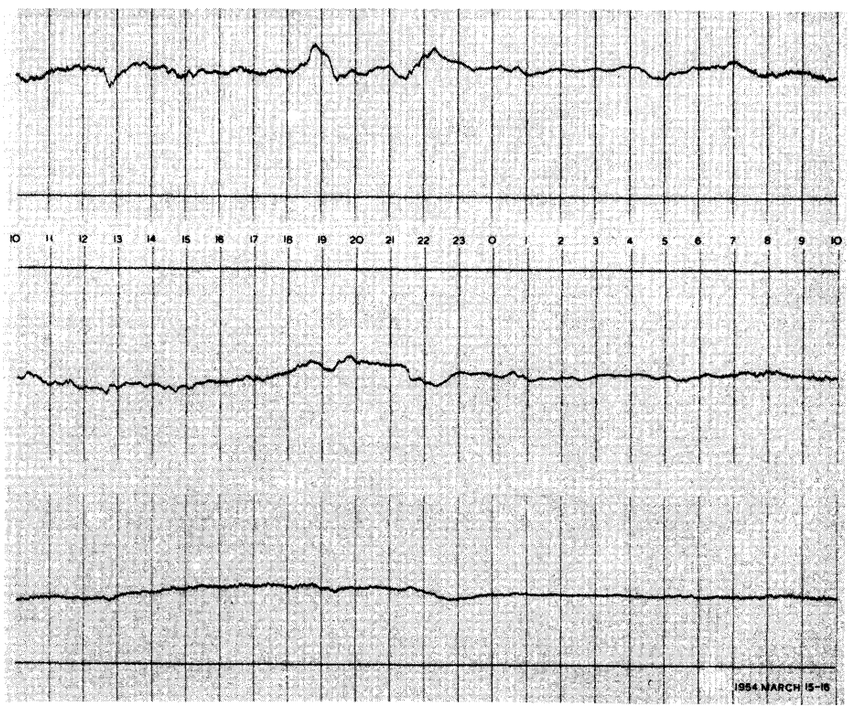
1954 MARCH 8-9


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 MARCH 9-10

H
100γ
D
EASTWEST
100γ
Z
100γ
NORTH SOUTH
1954 MARCH 10-11
1954 MARCH 11-12
1954 MARCH 12-13
1954 MARCH 13-14


H
100γ
18485γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
9°10' WEST
D
30' WEST
Z
100γ
43955γ
1954 MARCH 14-15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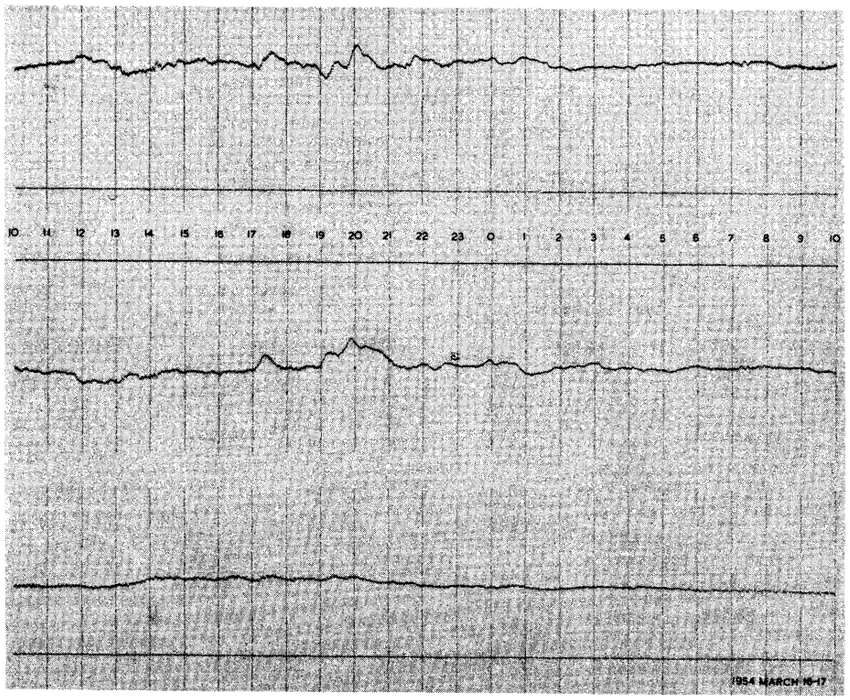
1954 MARCH 15-16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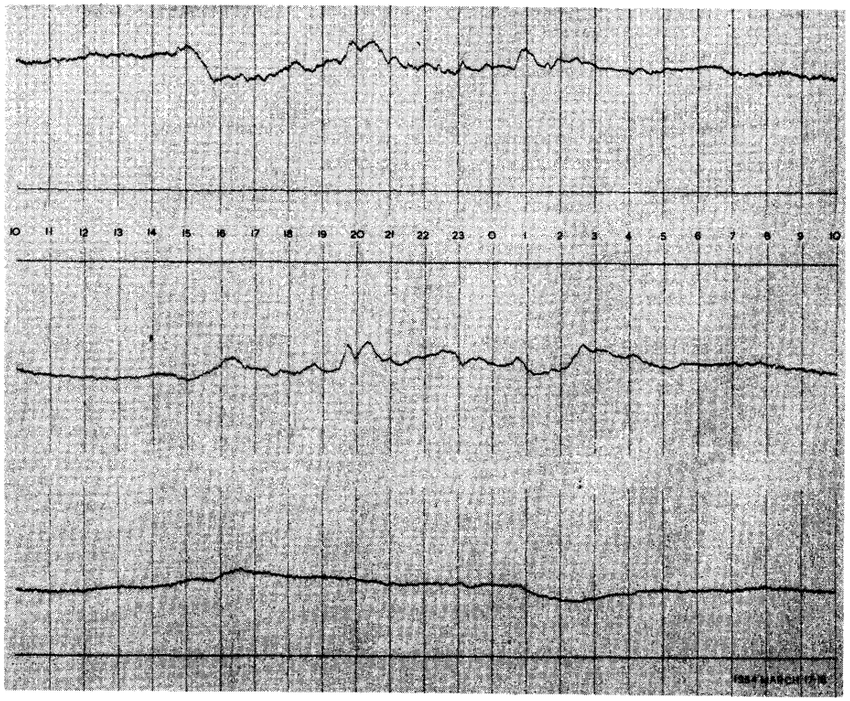
1954 MARCH 16-17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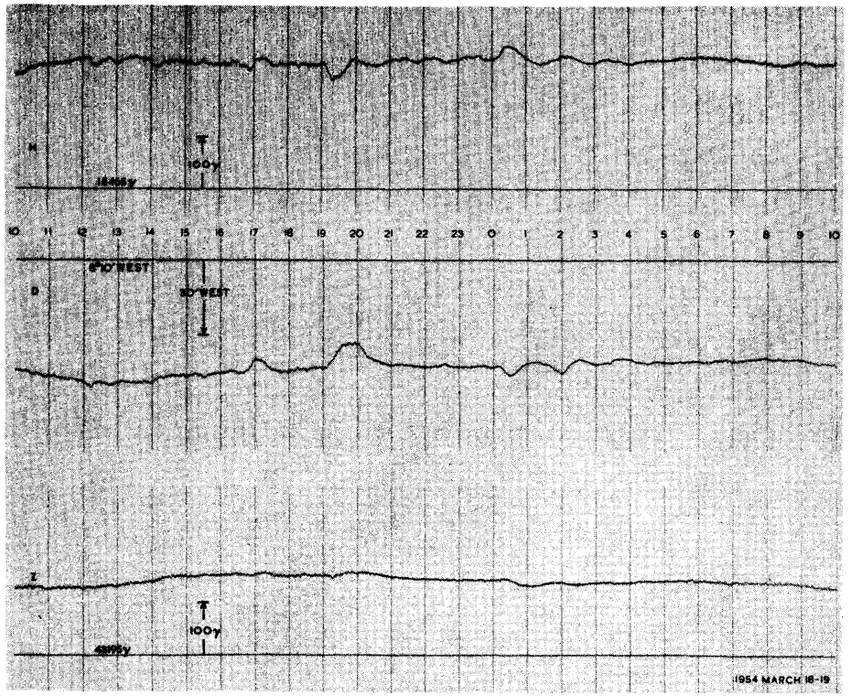
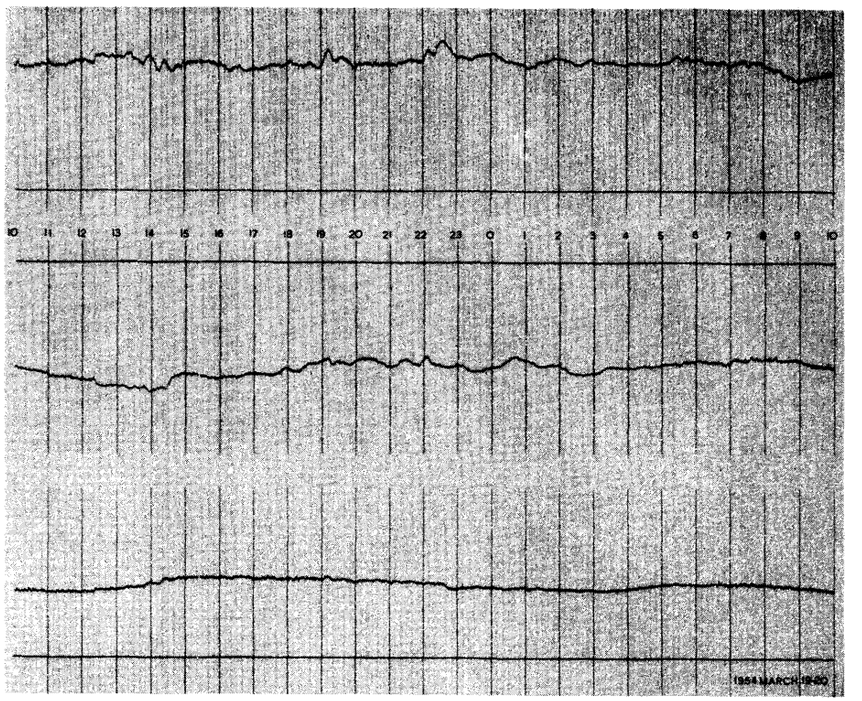

H
100γ
18465γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
6°10' WEST
D
8°10' WEST
Z
100γ
43115γ
1954 MARCH 18-19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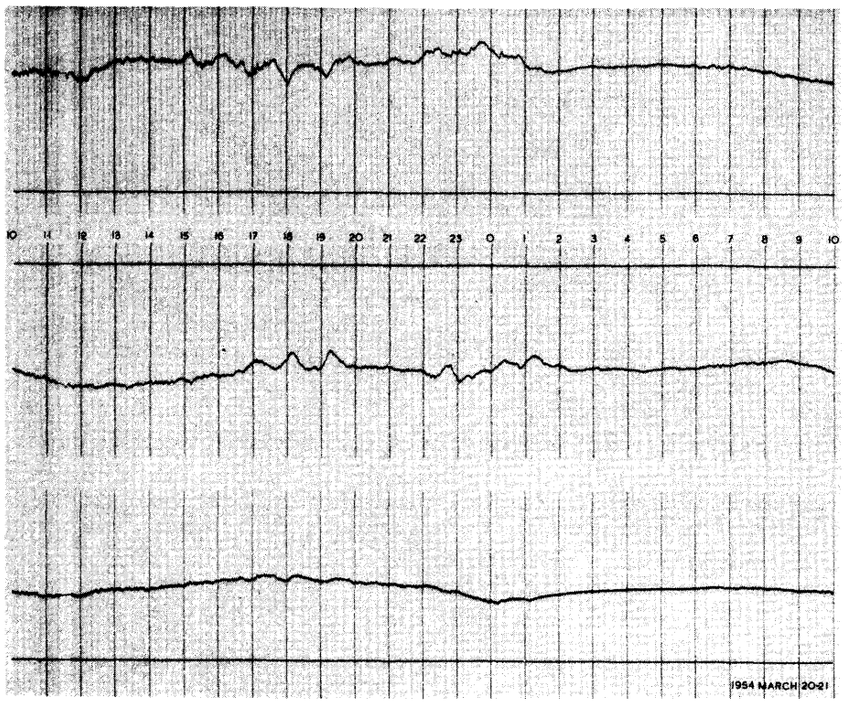
1954 MARCH 19-20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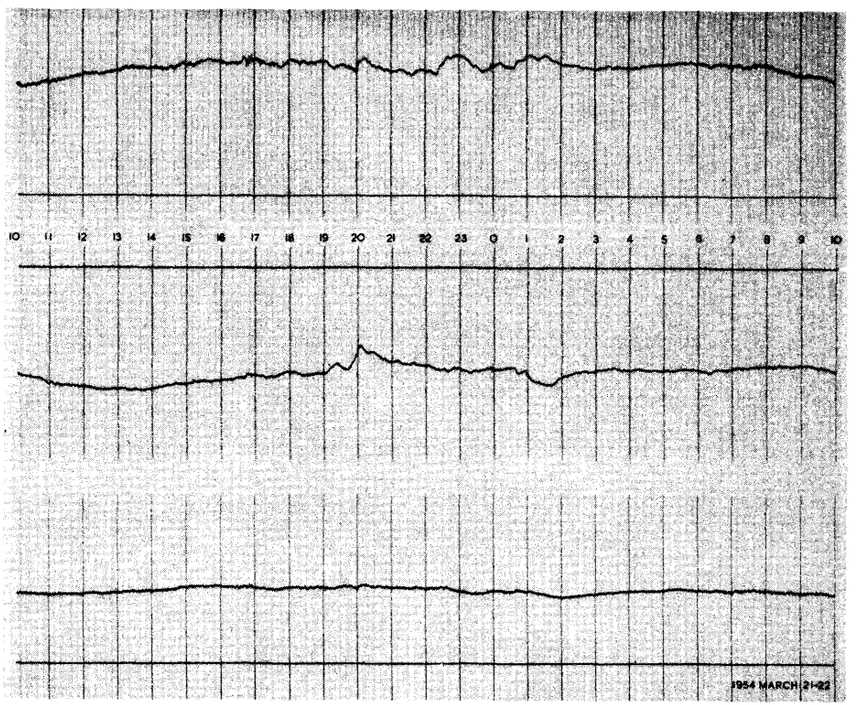
1954 MARCH 20-21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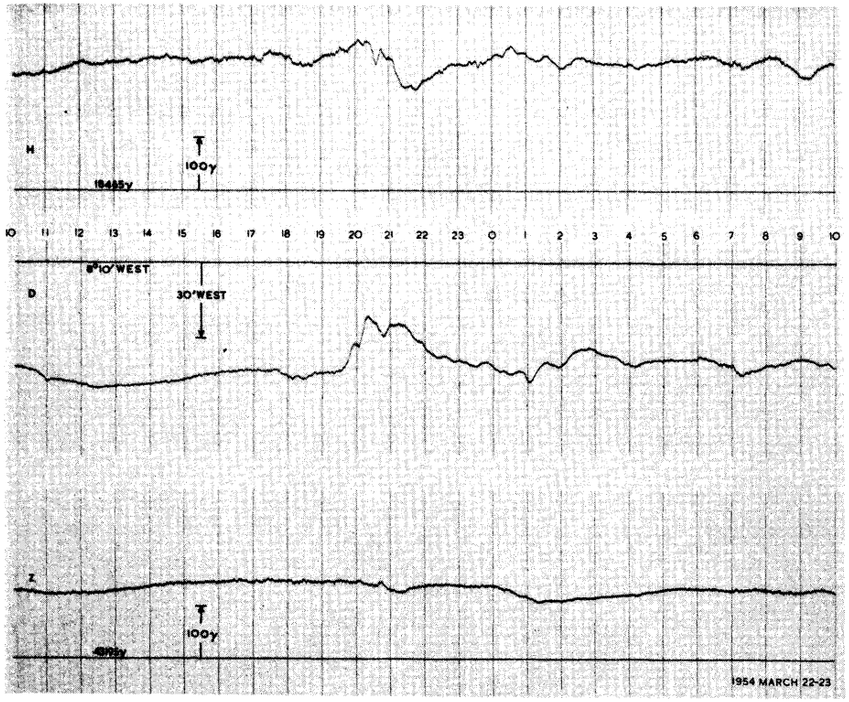
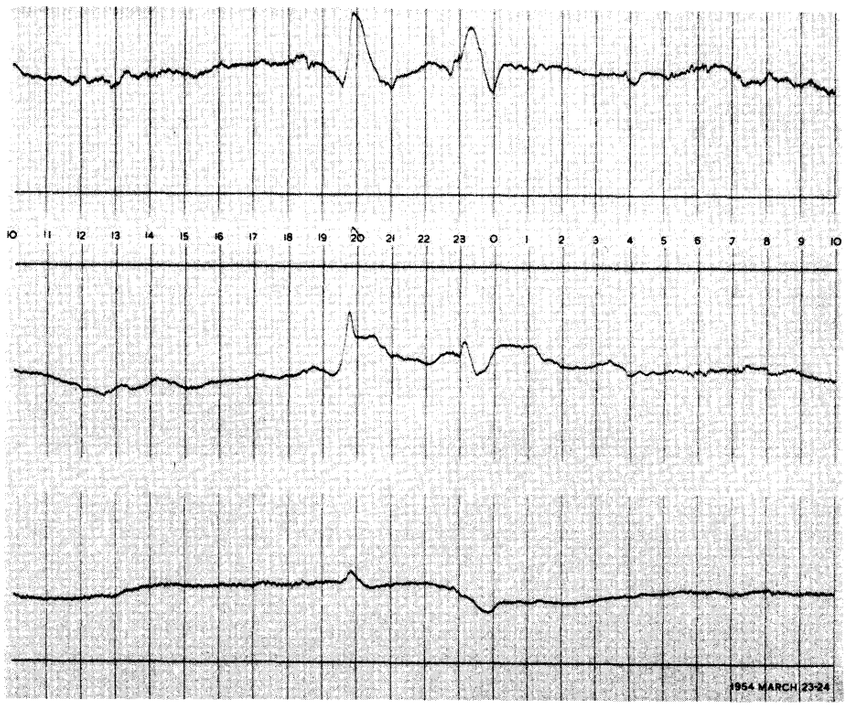
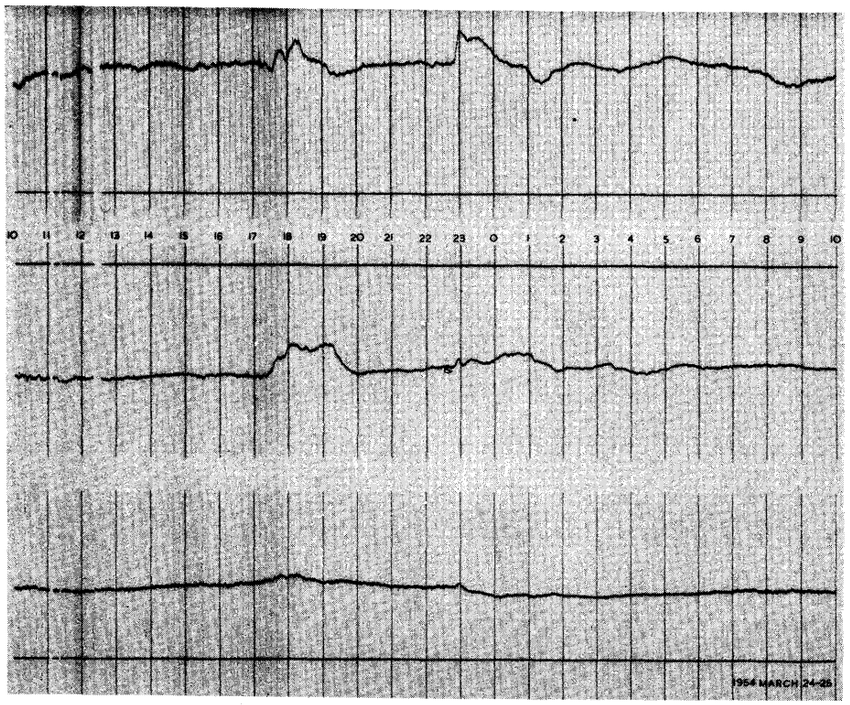
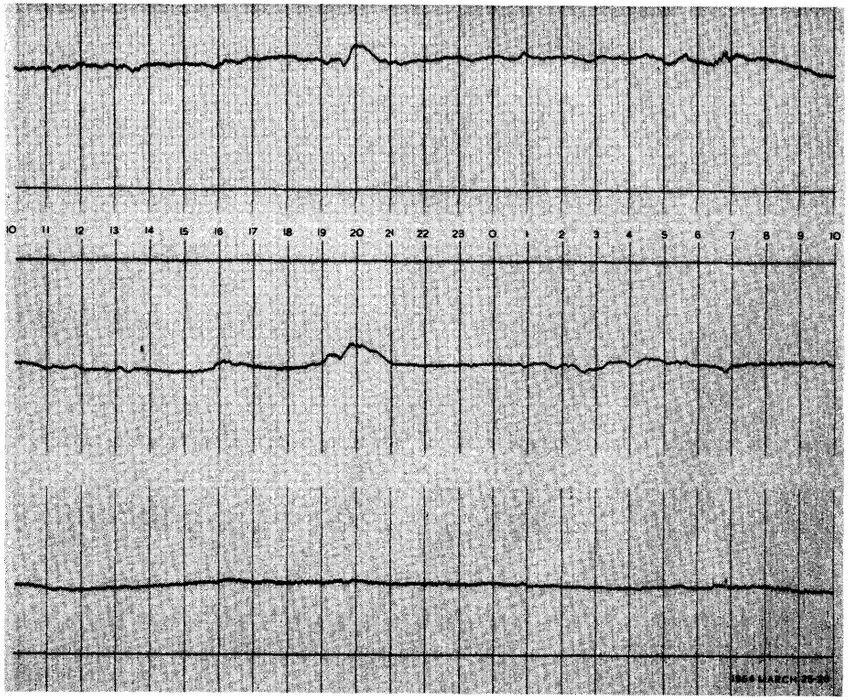
1954 MARCH 21-22


H
100γ
18485γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°10' WEST
D
30' WEST
Z
100γ
1954 MARCH 22-23


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 MARCH 23-24


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 MARCH 24-25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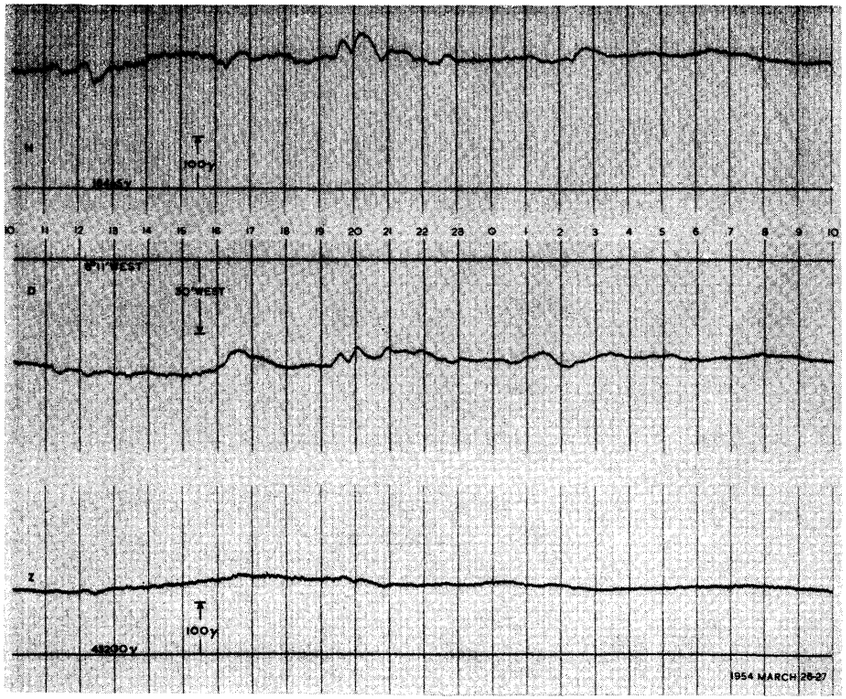
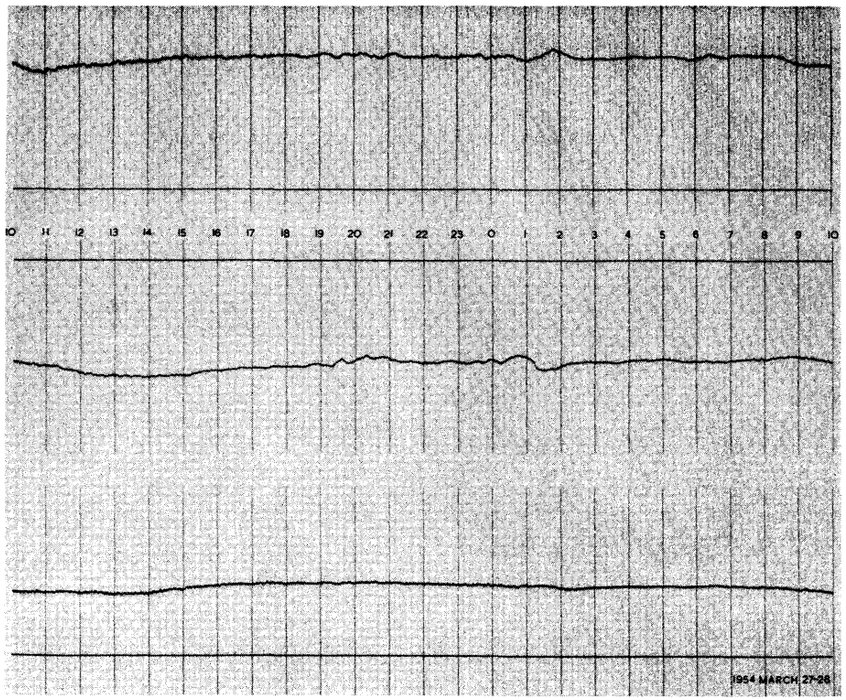
1954 MARCH 25-26


H
100γ
18400γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
D
Z
100γ
41200γ
1954 MARCH 26-27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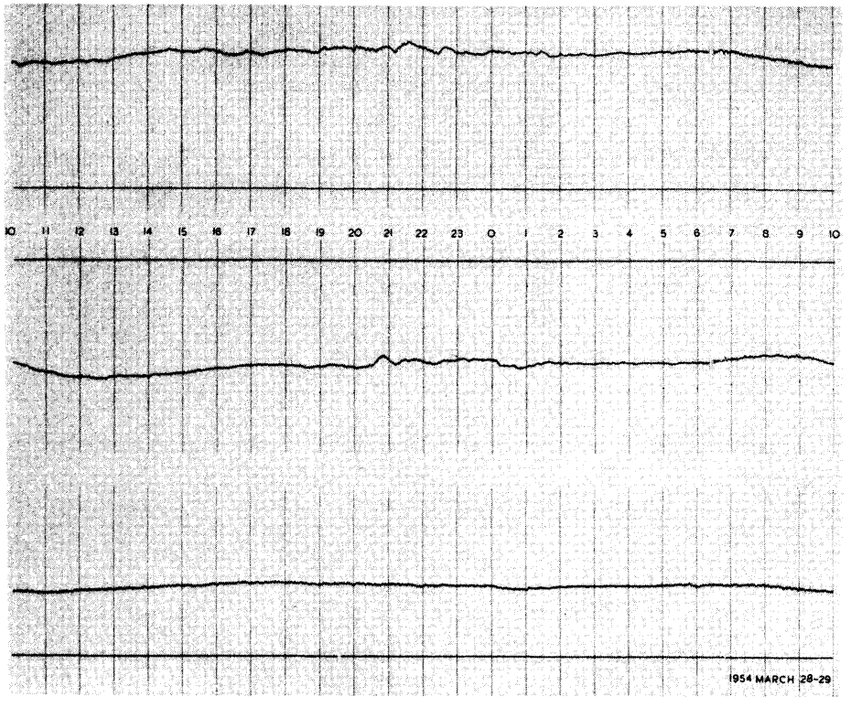
1954 MARCH 27-28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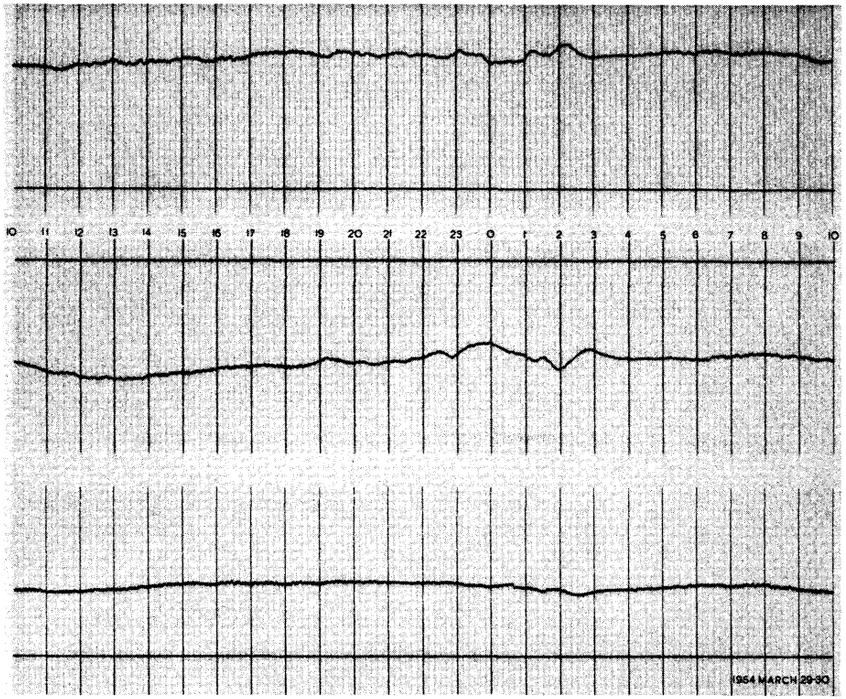
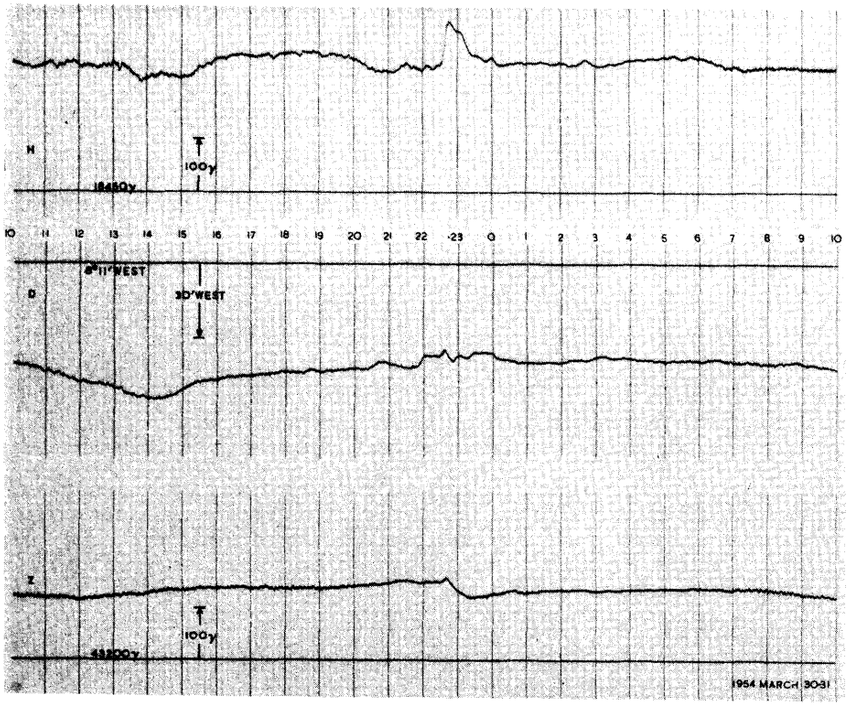
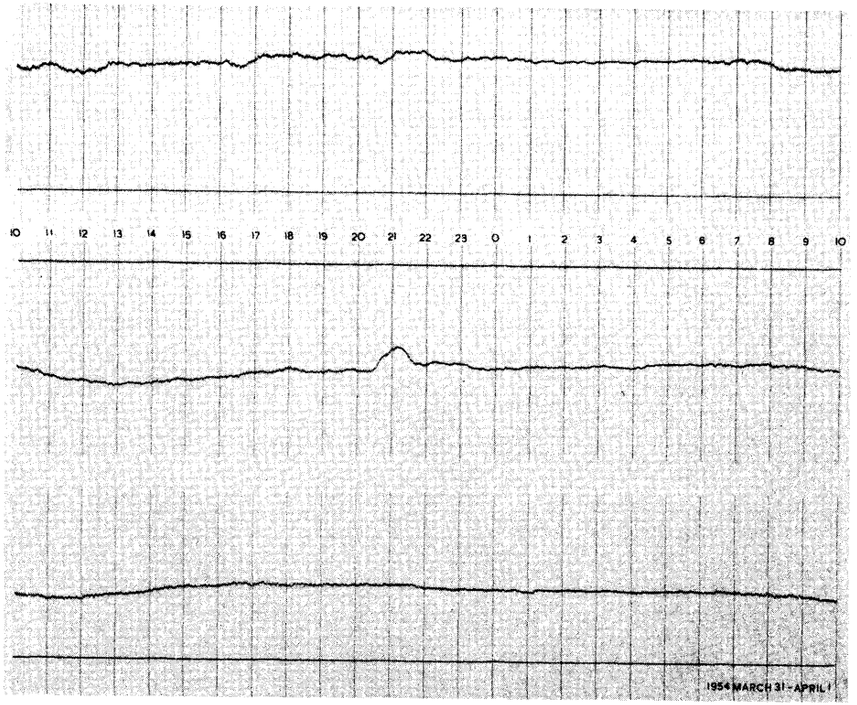
1954 MARCH 28-29


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 MARCH 29-30


H
100γ
18480γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°11'WEST
D
30'WEST
Z
100γ
43200γ
1954 MARCH 30-31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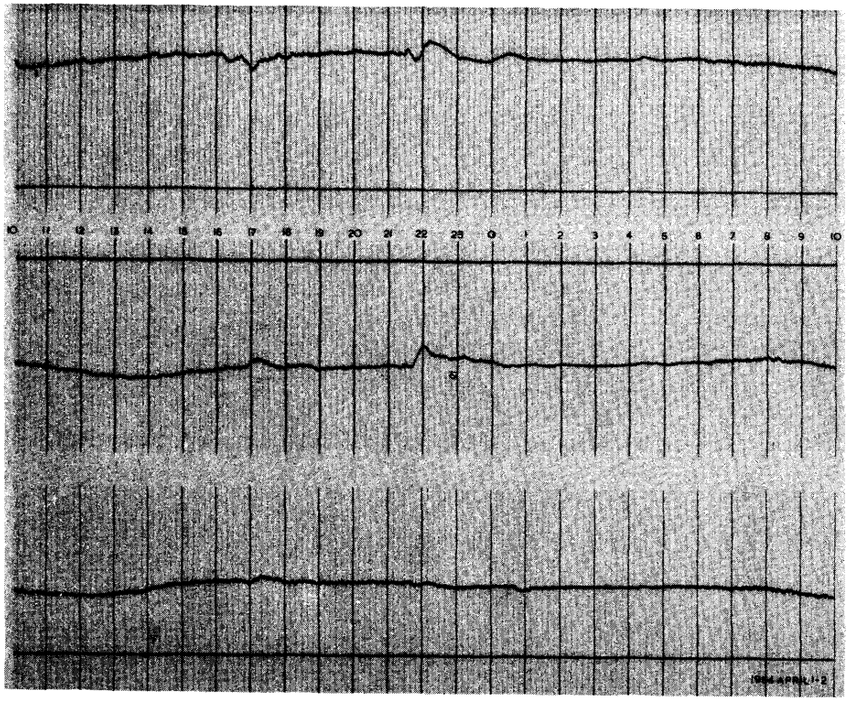
1954 MARCH 31-APRIL 1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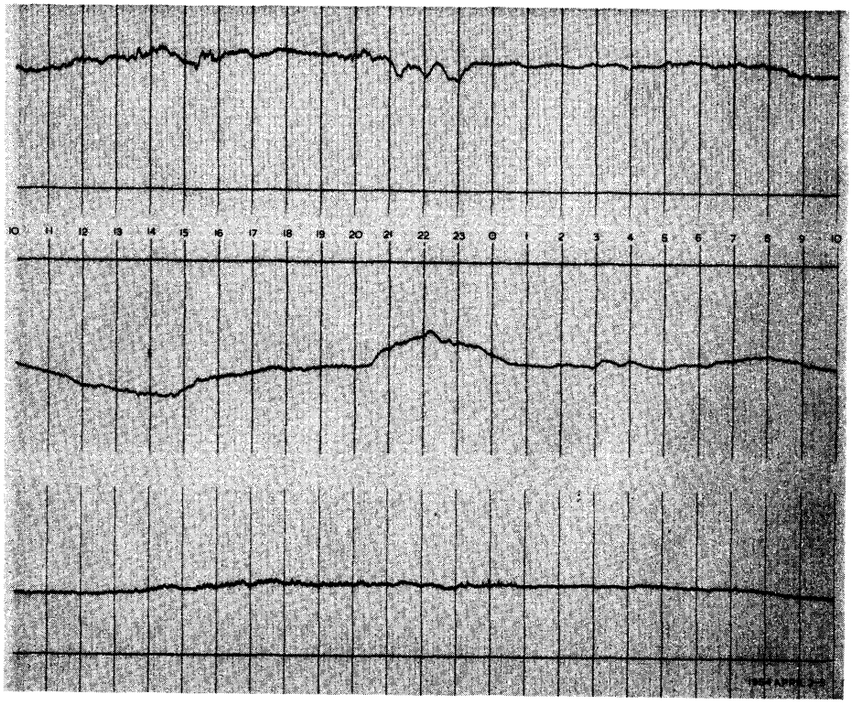
1954 APRIL 1-2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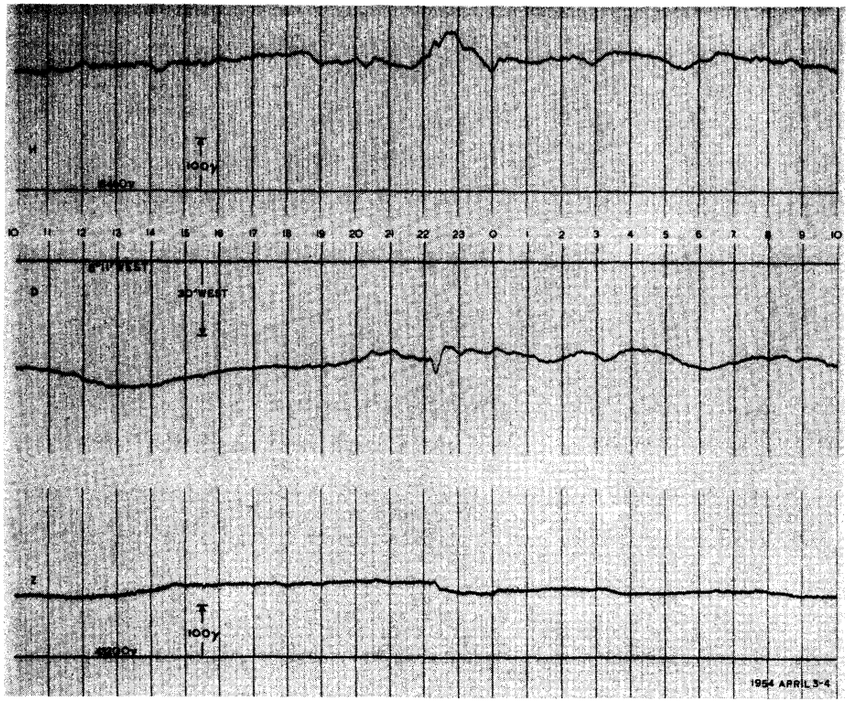
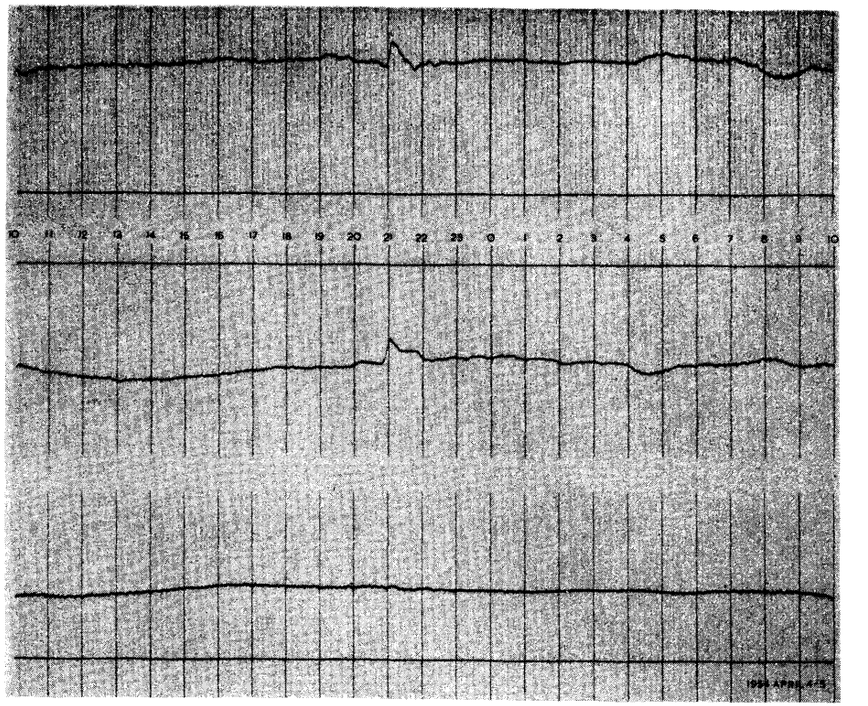
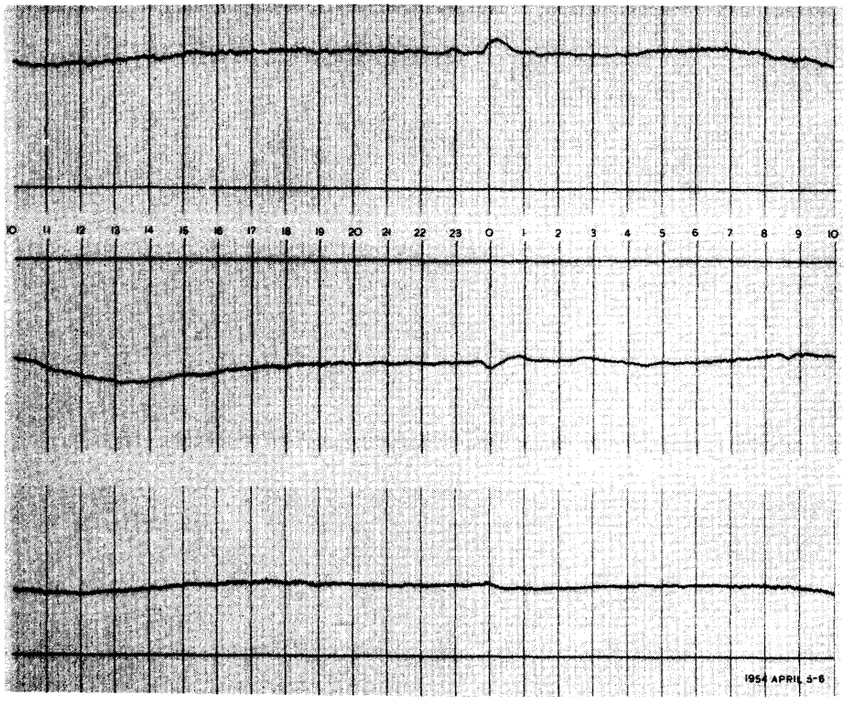
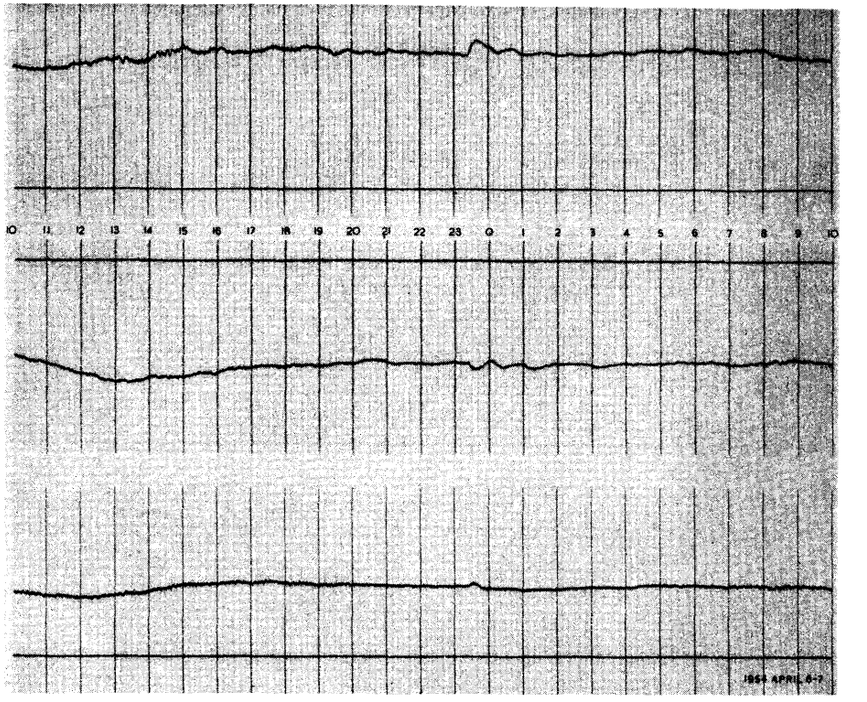
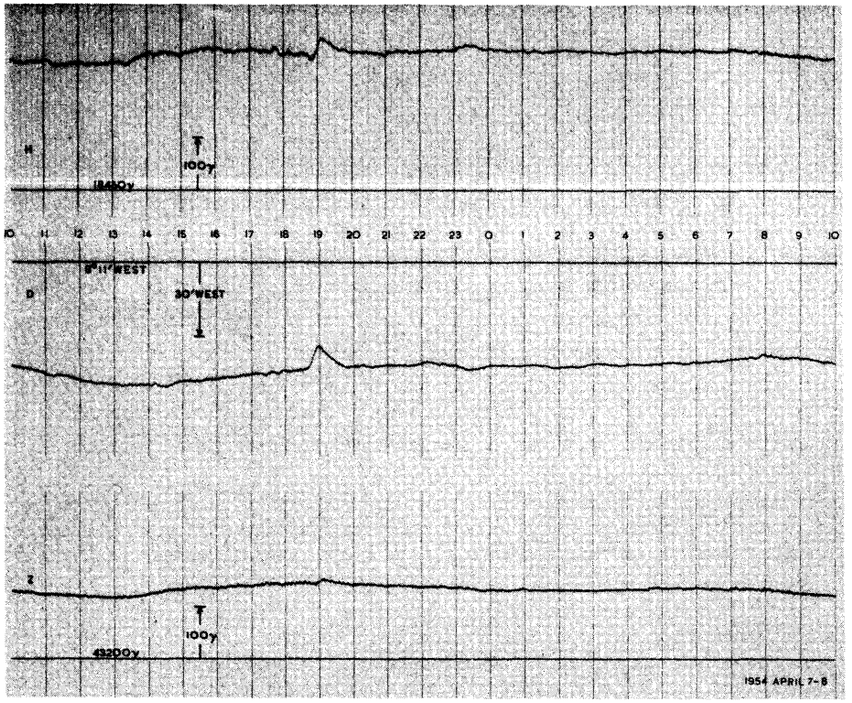
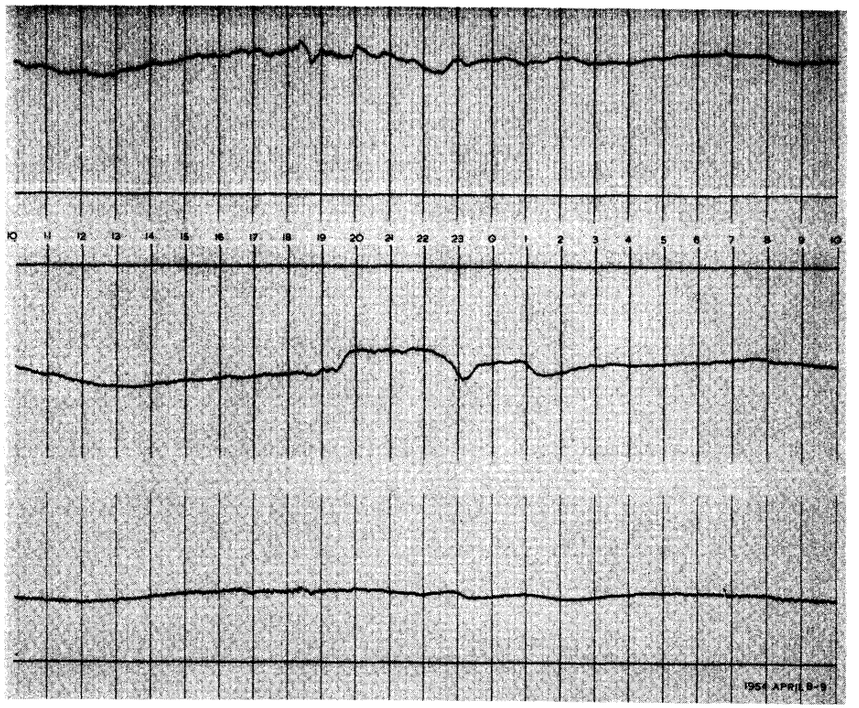

H
100γ
D
20'WEST
Z
100γ
1954 APRIL 3-4




1954 APRIL 3-6




H
100γ
18400γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°11' WEST
D
30' WEST
Z
100γ
43200γ
1954 APRIL 7-8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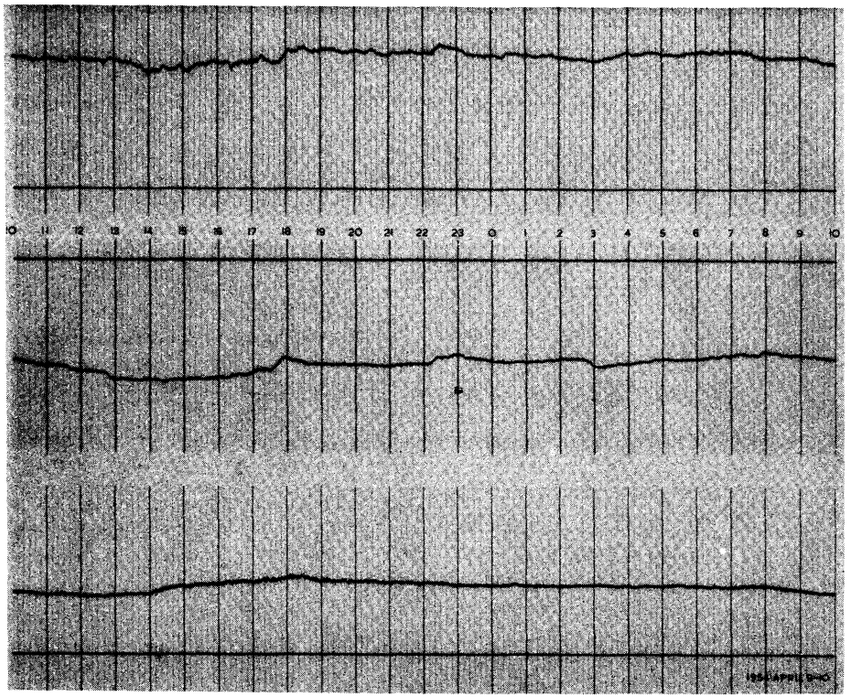
1954 APRIL 8-9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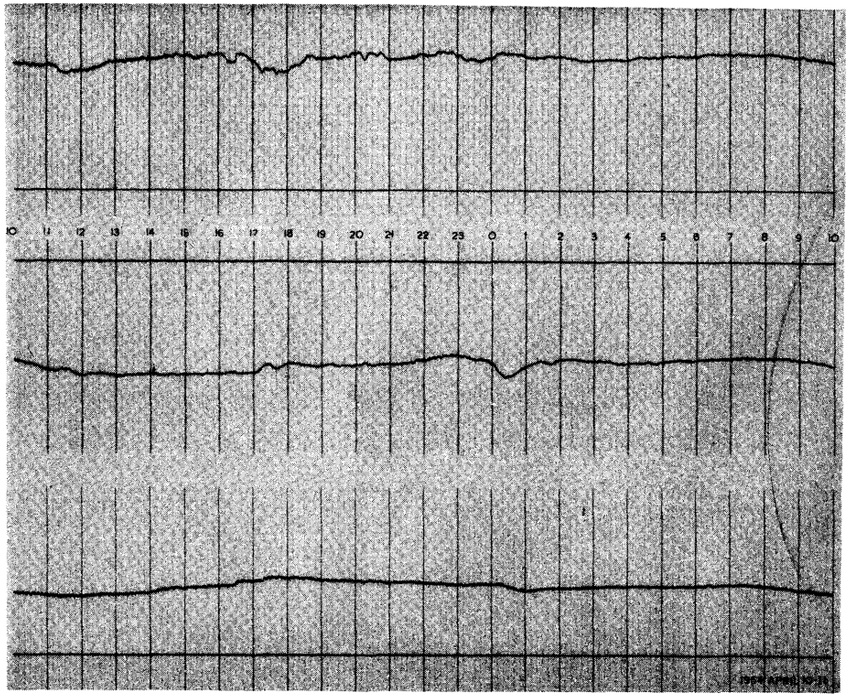
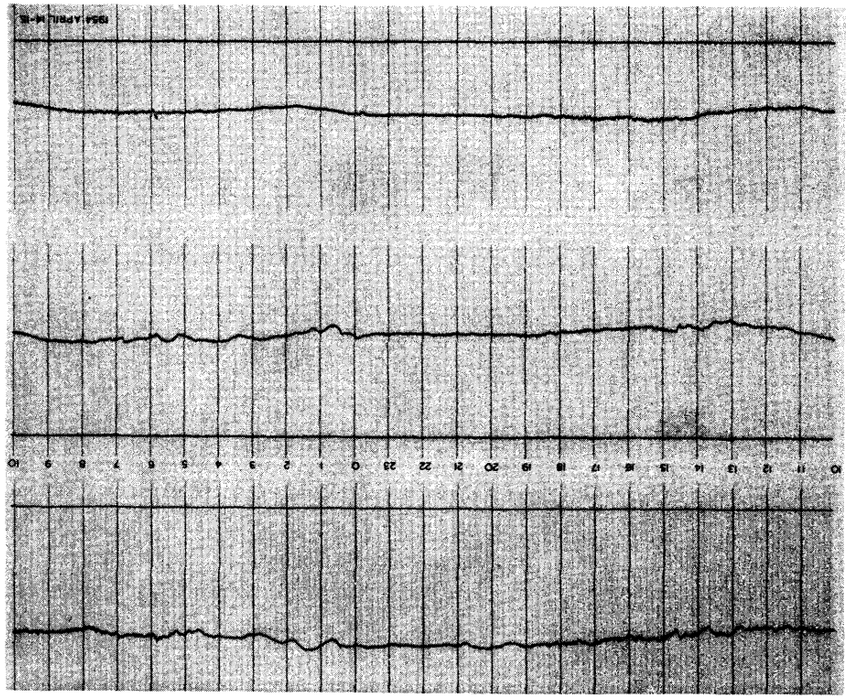
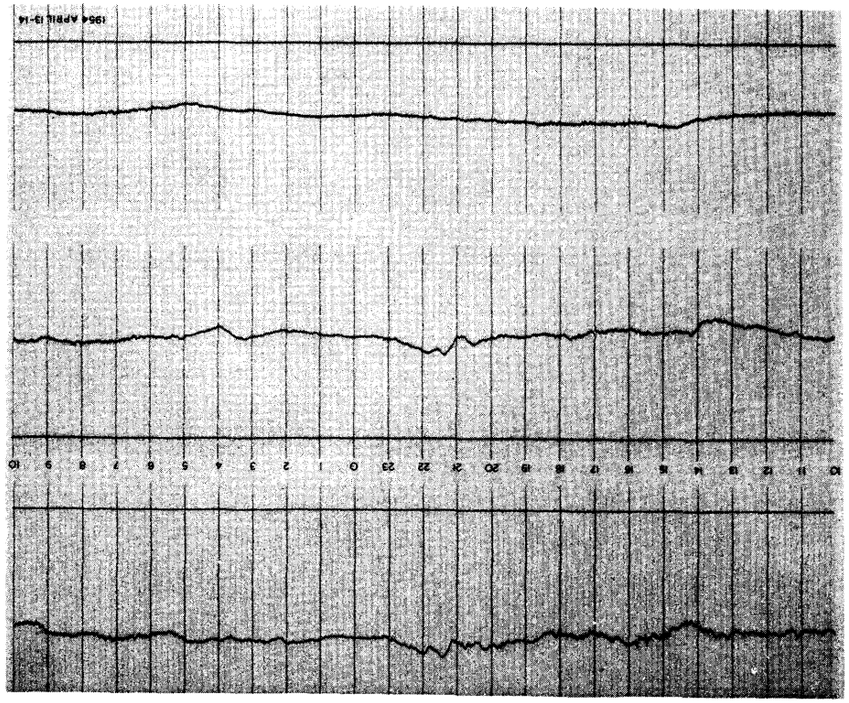
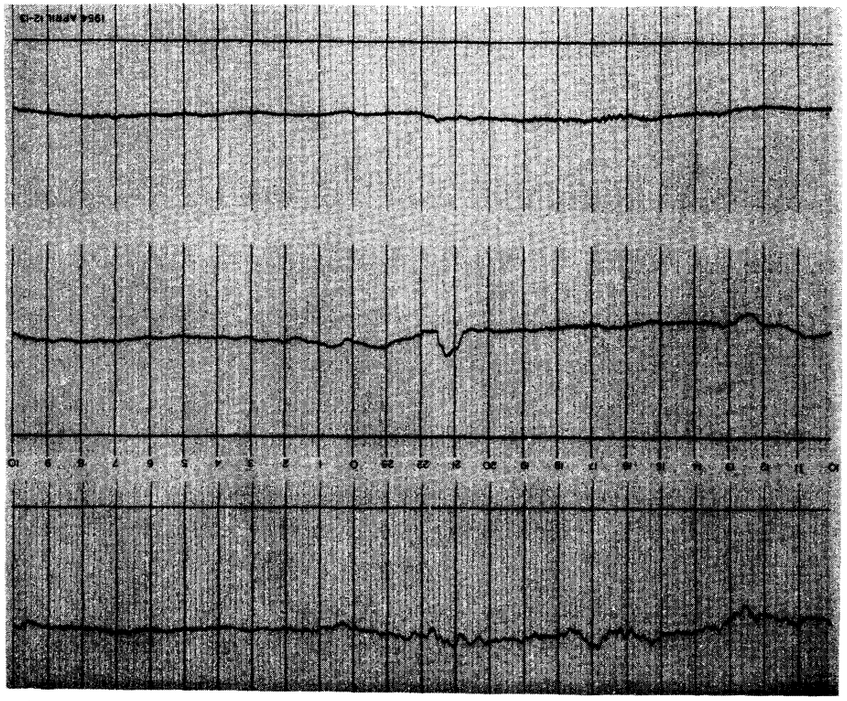
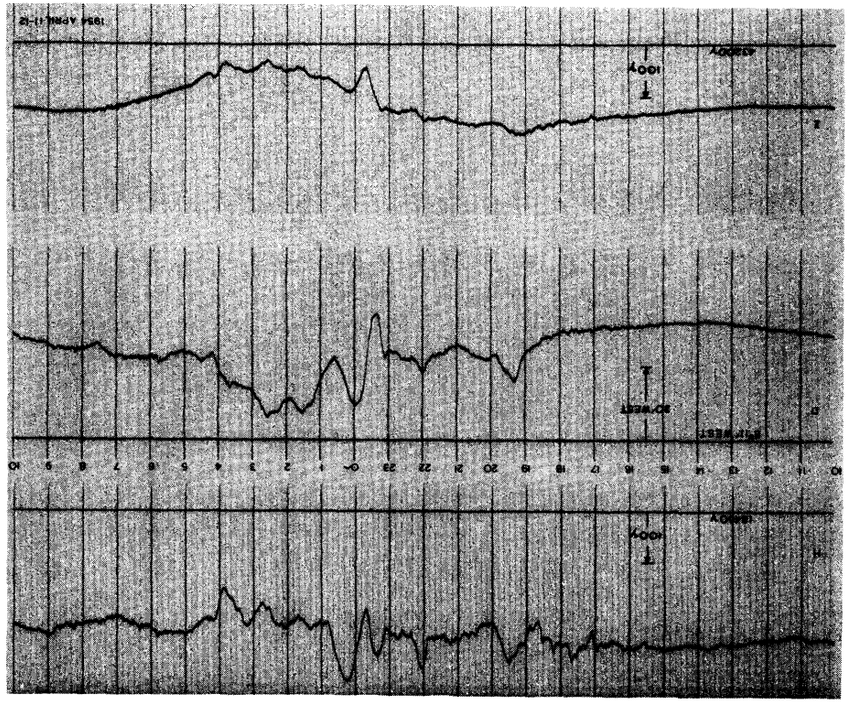
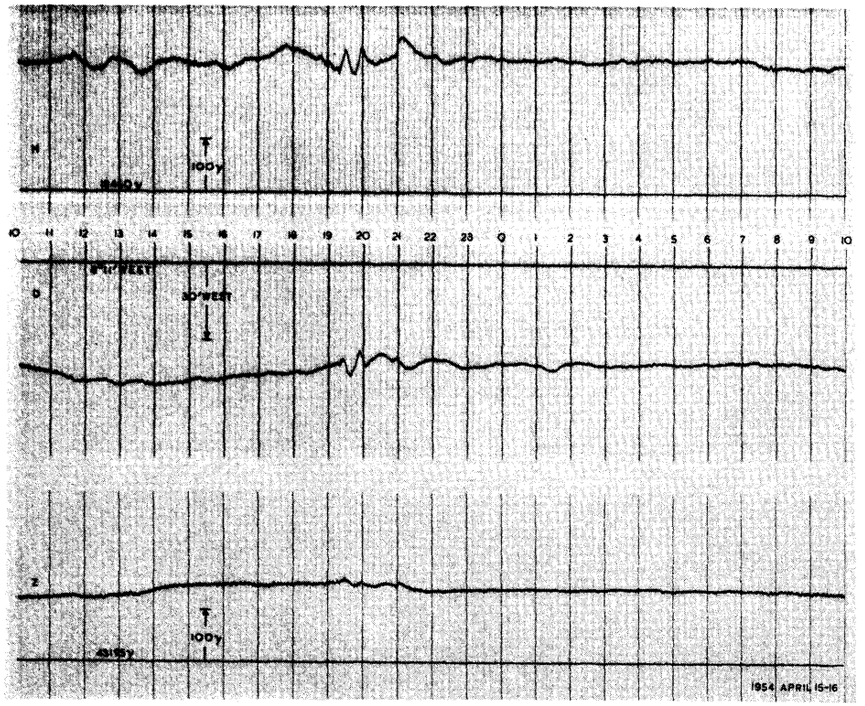

10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10

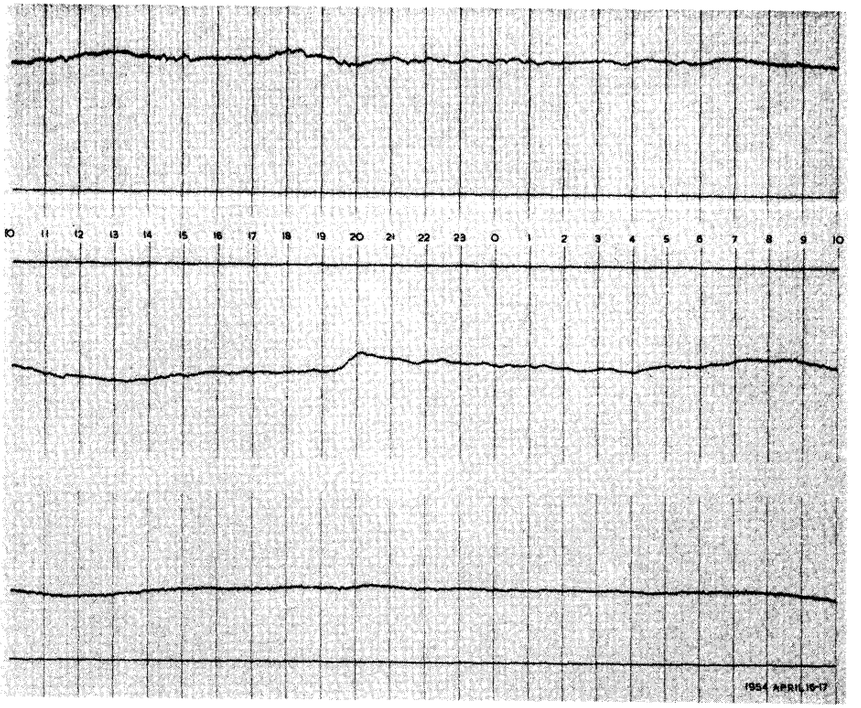

1964 APRIL 14-15


1964 APRIL 13-14


1964 APRIL 12-13


1964 APRIL 11-12
100γ
100γ
100γ


H
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
D
30° WEST
100γ
Z
100γ
1954 APRIL 15-16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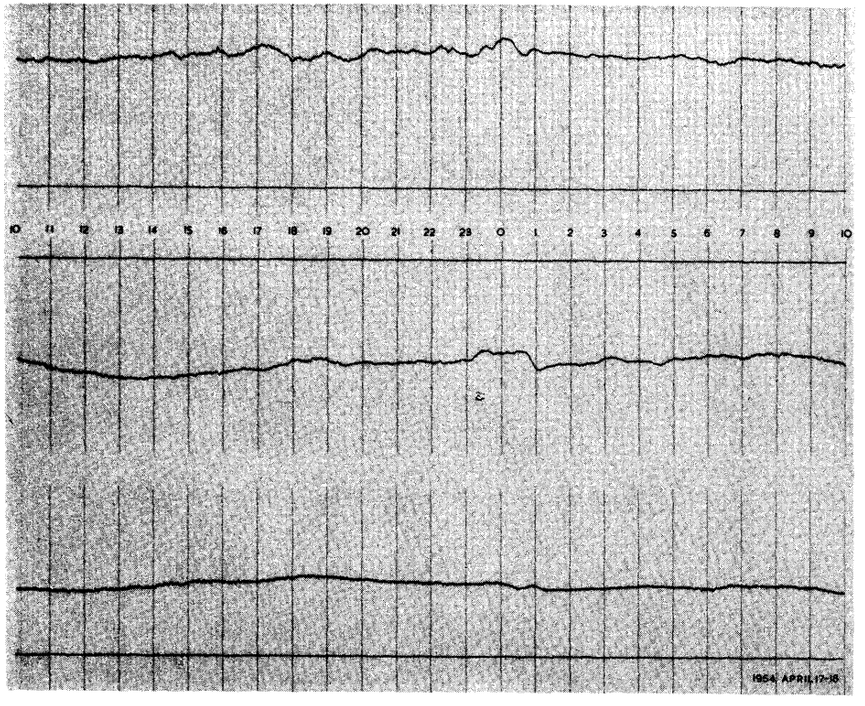
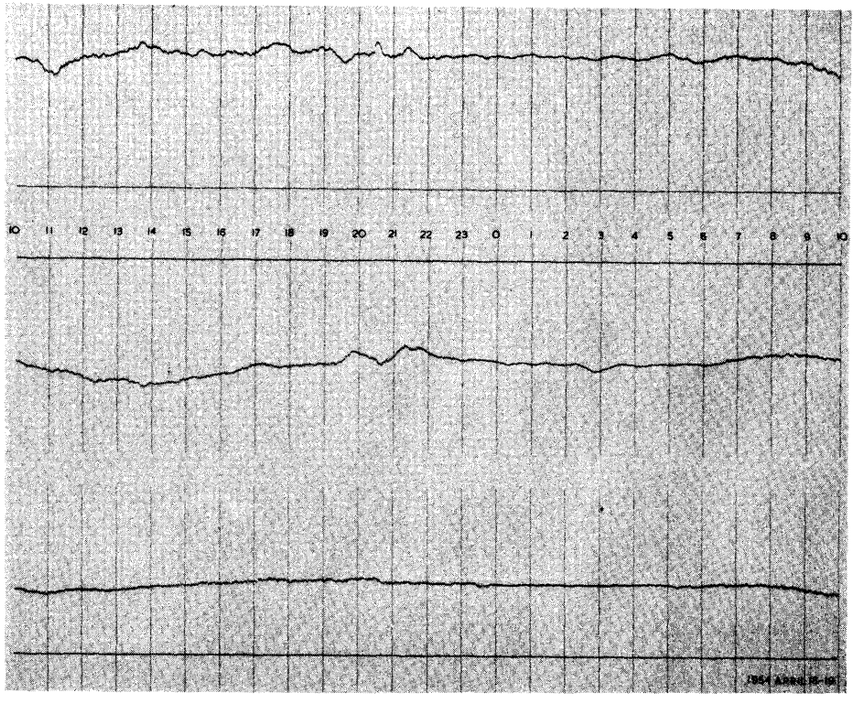
1954 APRIL 16-17


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 APRIL 17-18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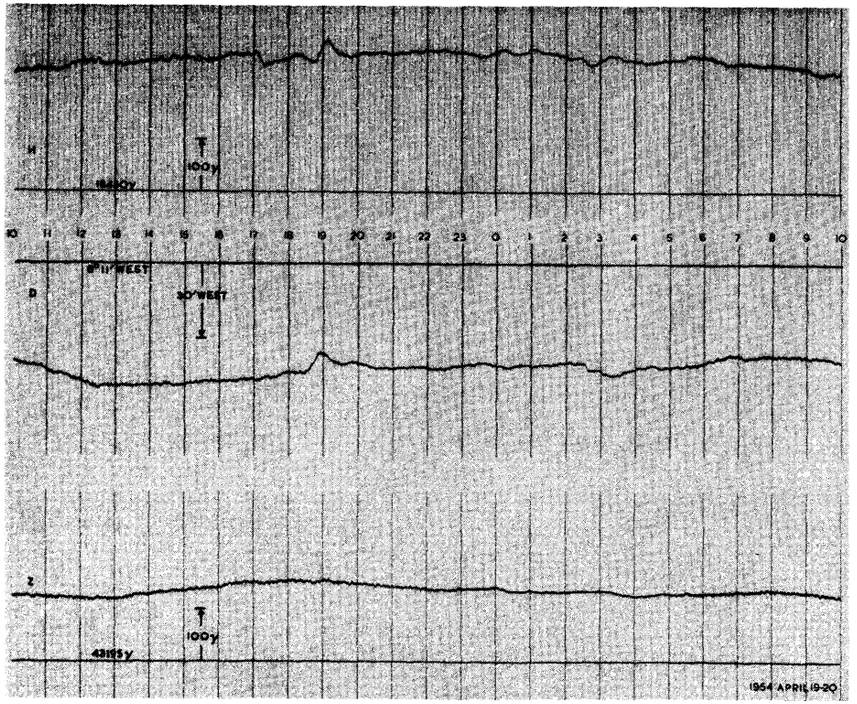
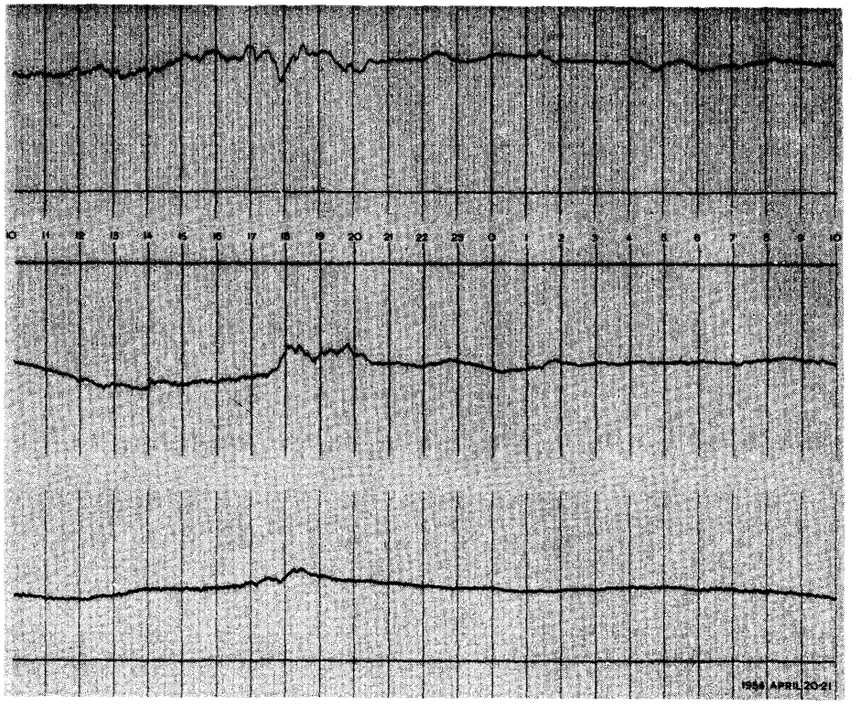
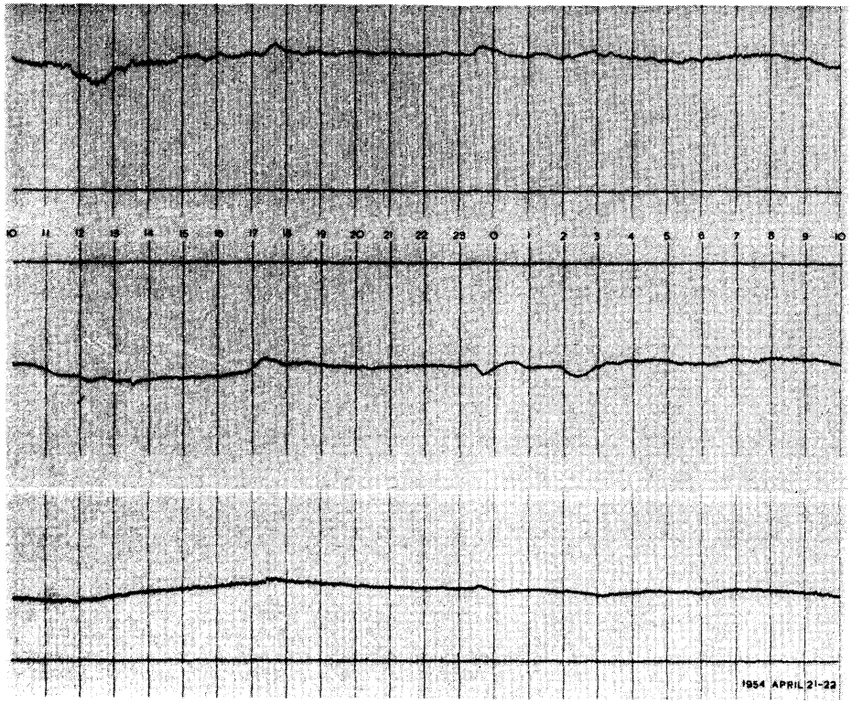
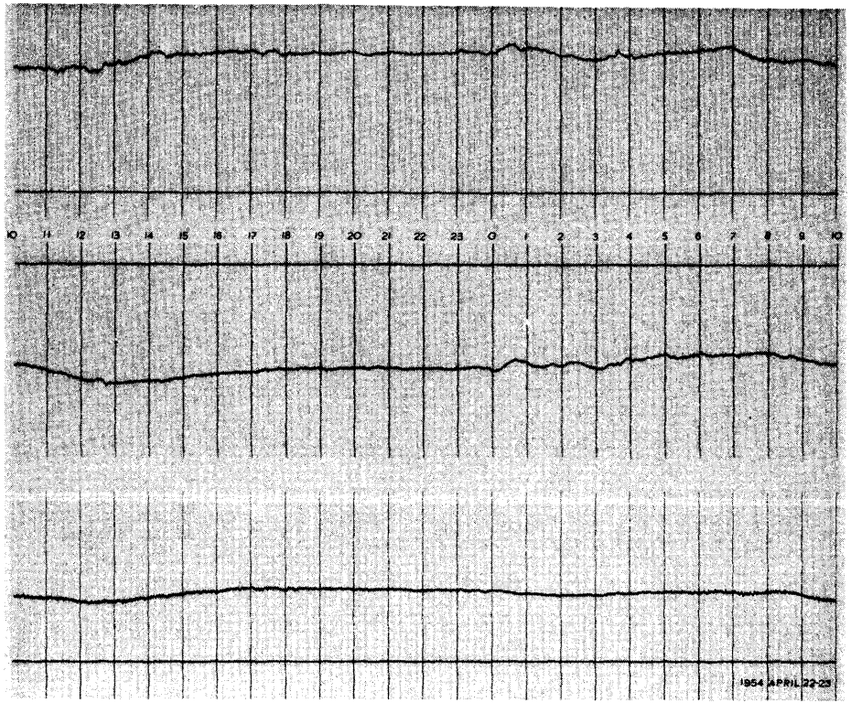

H
100γ
D
8'11" WEST
30' WEST
Z
100γ
1954 APRIL 19-20


1954 APRIL 20-21


1954 APRIL 21-22

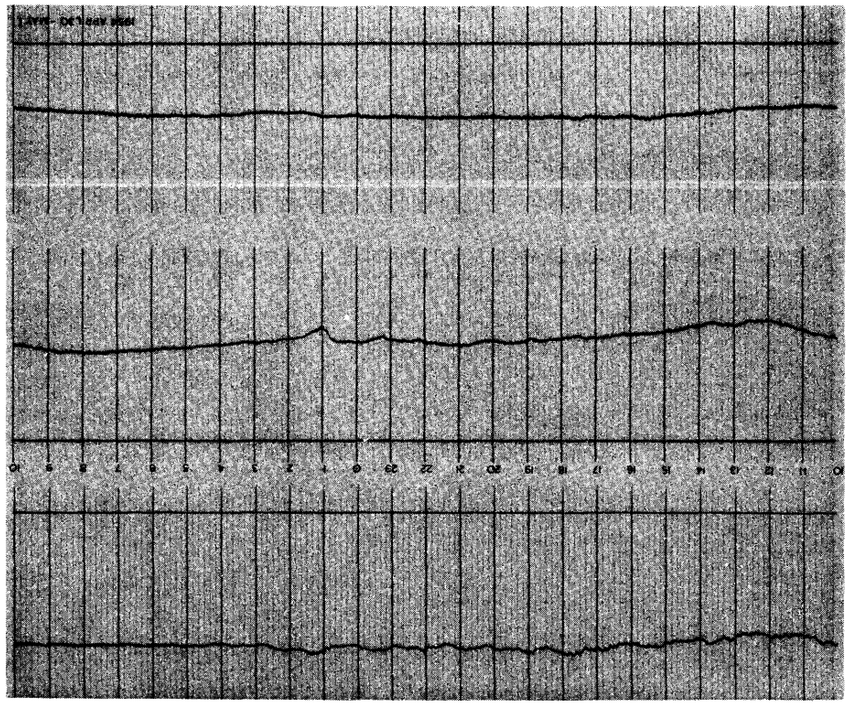

1954 APRIL 22-23

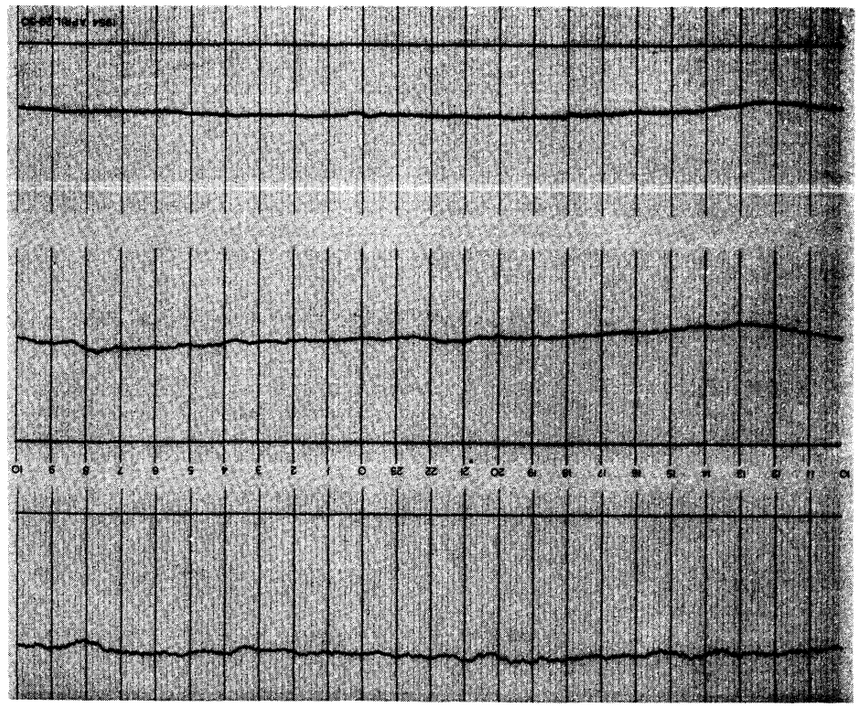
1954 APRIL 23-24
1954 APRIL 23-24

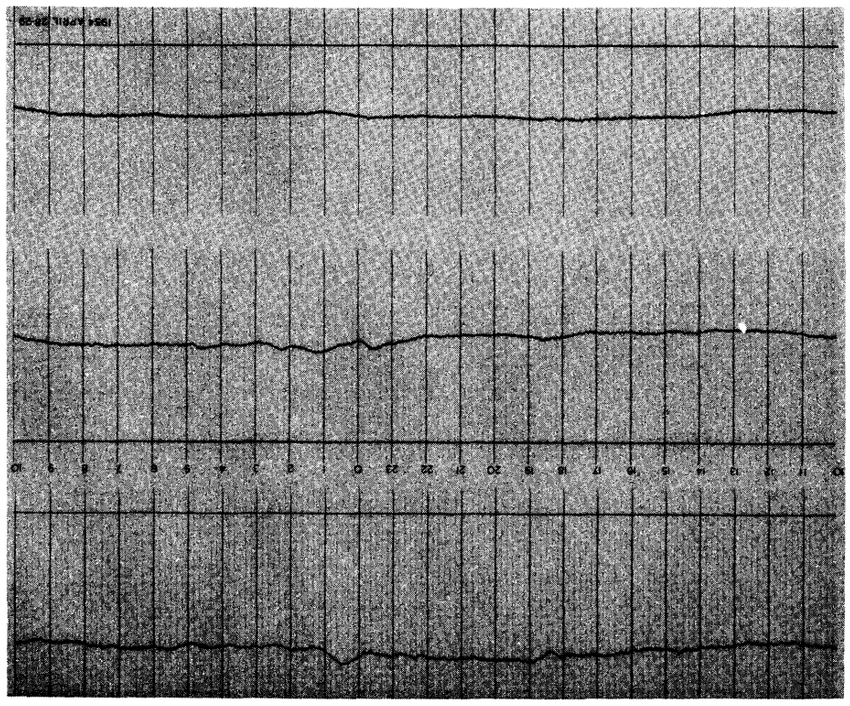
1954 APRIL 23-24
1954 APRIL 23-24

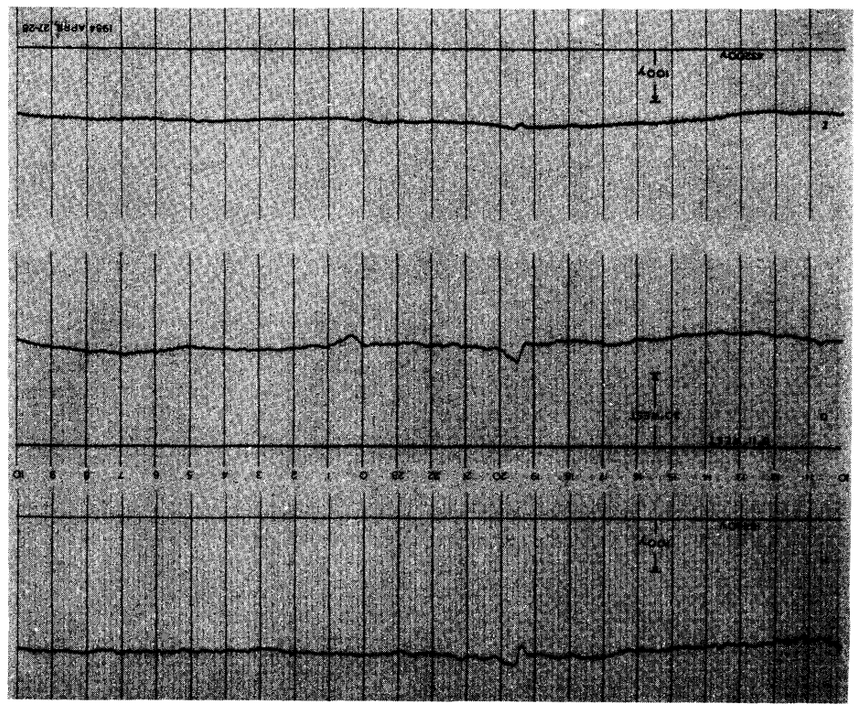
1954 APRIL 23-24
1954 APRIL 23-24

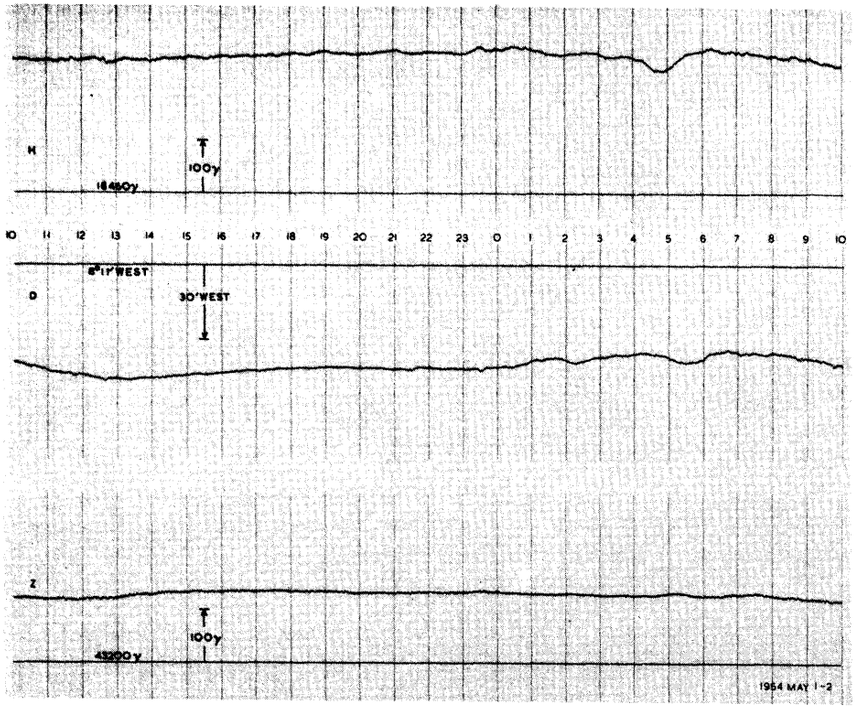
1954 APRIL 23-24
1954 APRIL 23-24

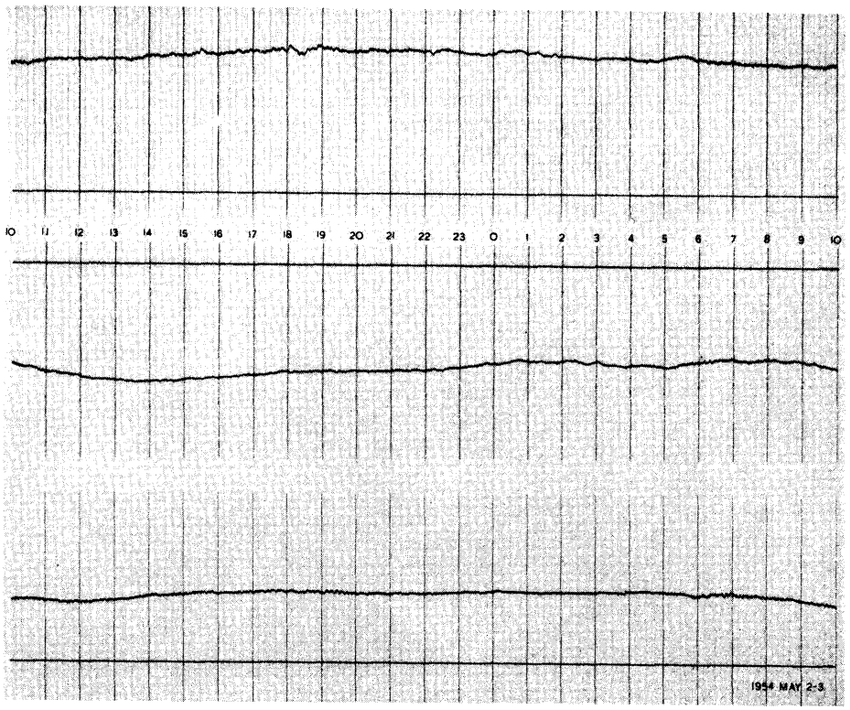









H
100γ
18480γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
6°17' WEST
D
30' WEST
Z
100γ
43200γ
1954 MAY 1-2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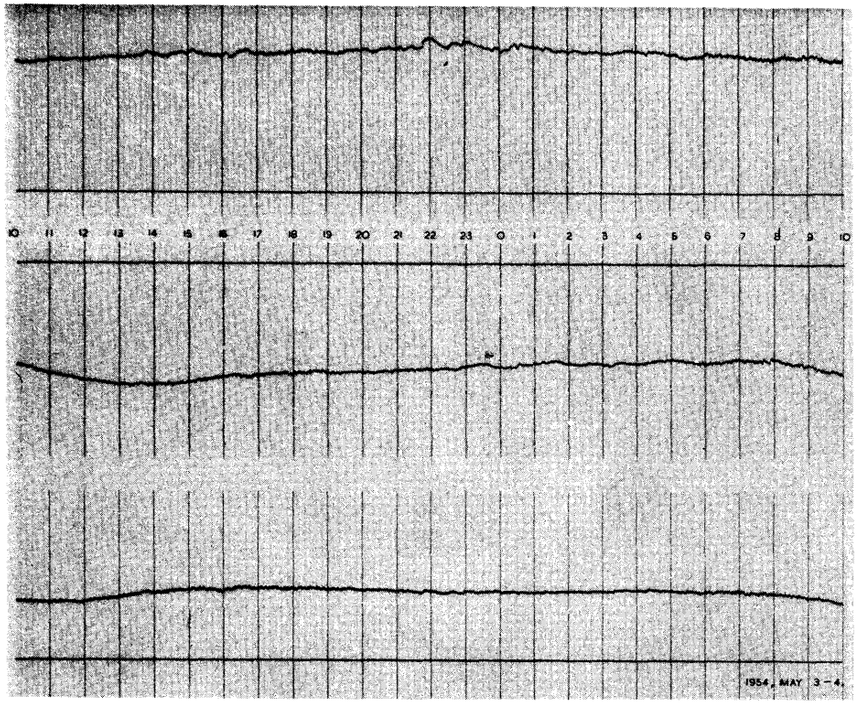
1954 MAY 2-3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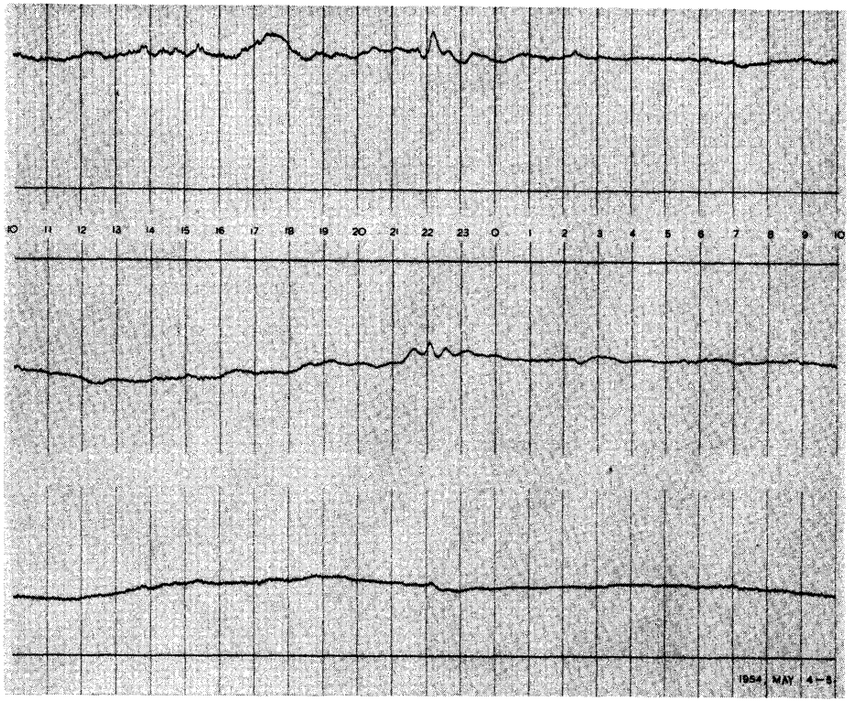
1954 MAY 3-4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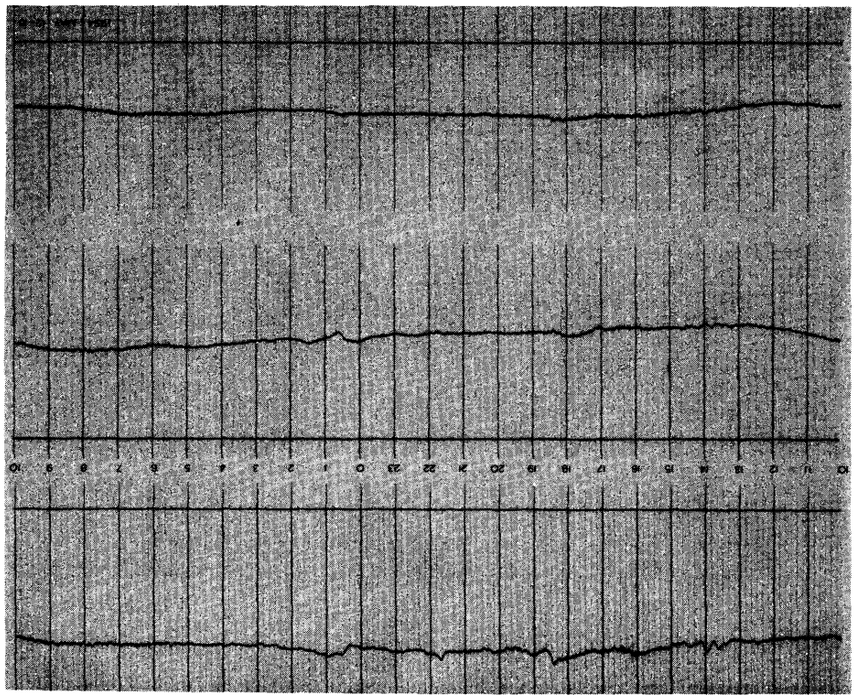
1954 MAY 4-5

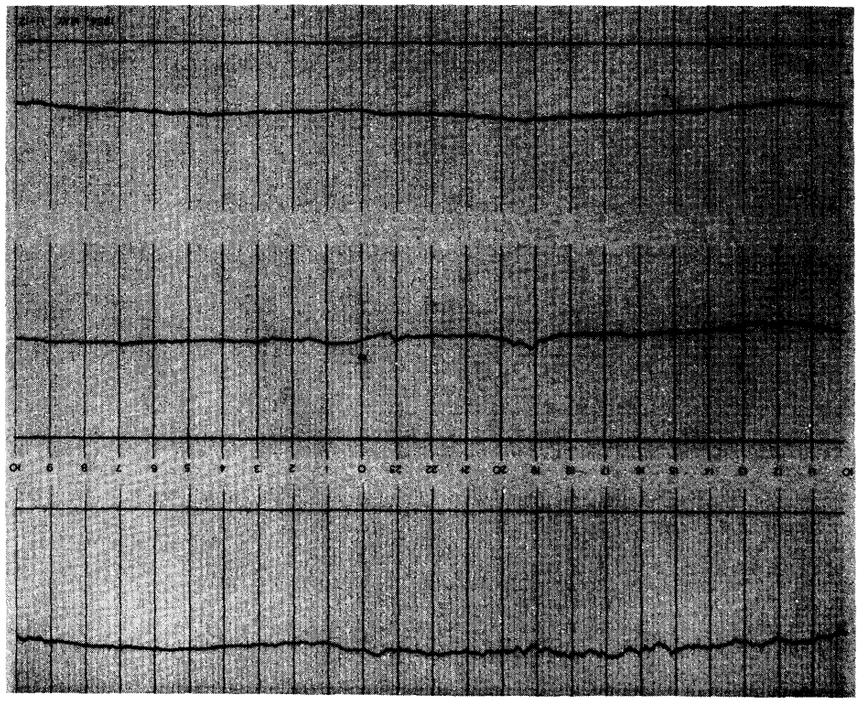
1954, MAY 8—7.

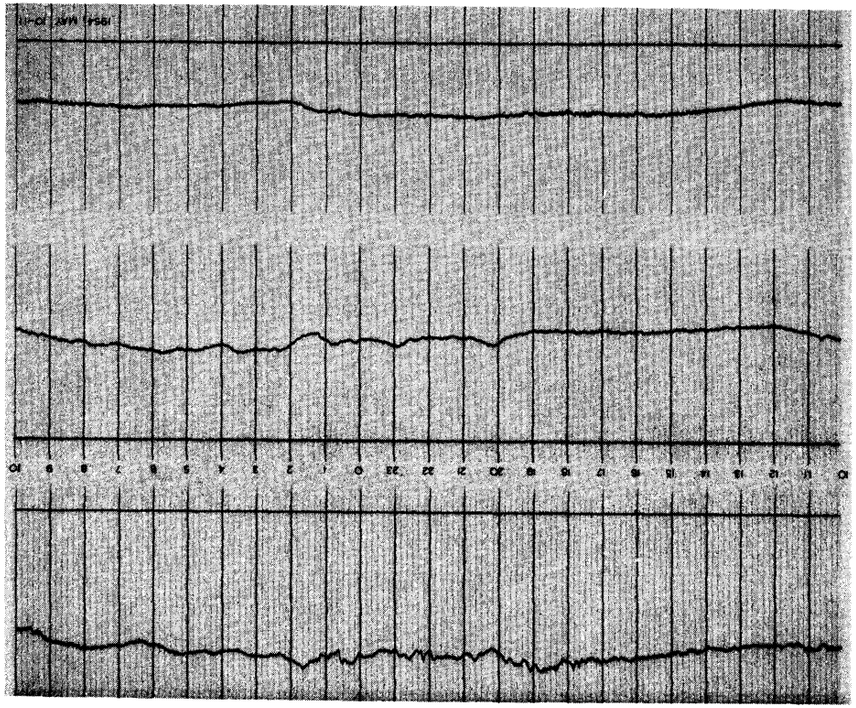
1954, MAY 6—9.

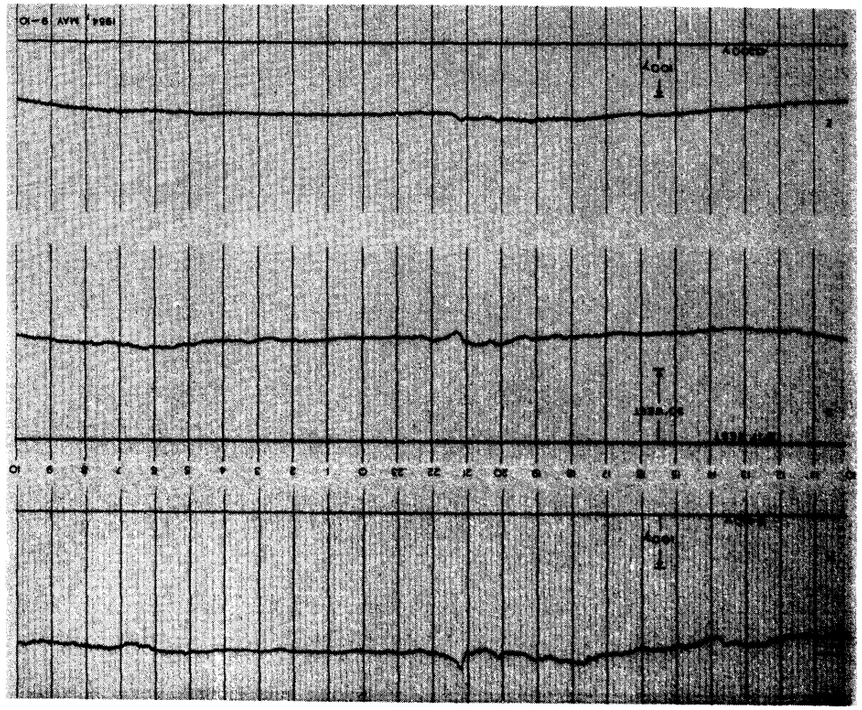
1954, MAY 5—6.

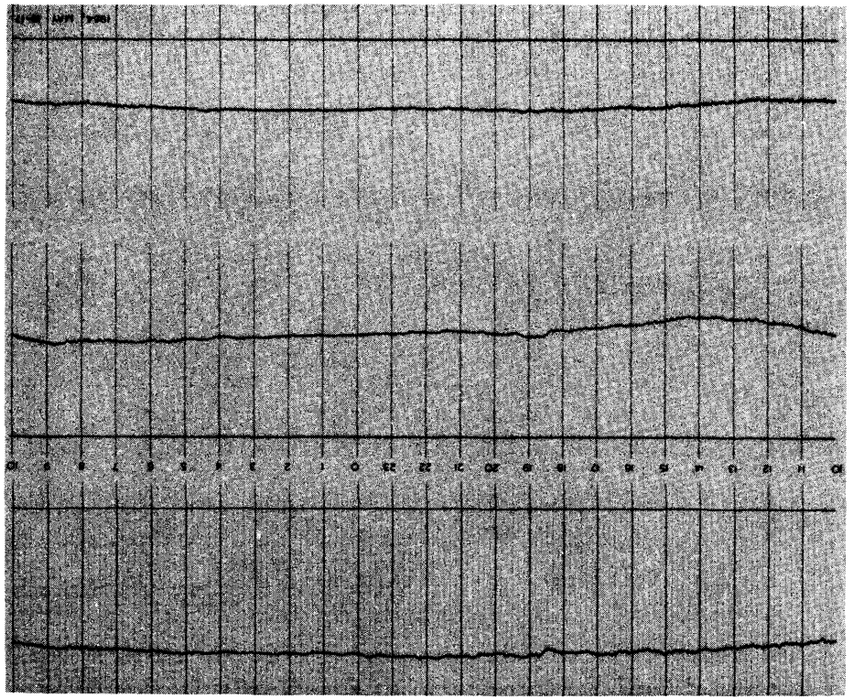
1954, MAY 7—8.

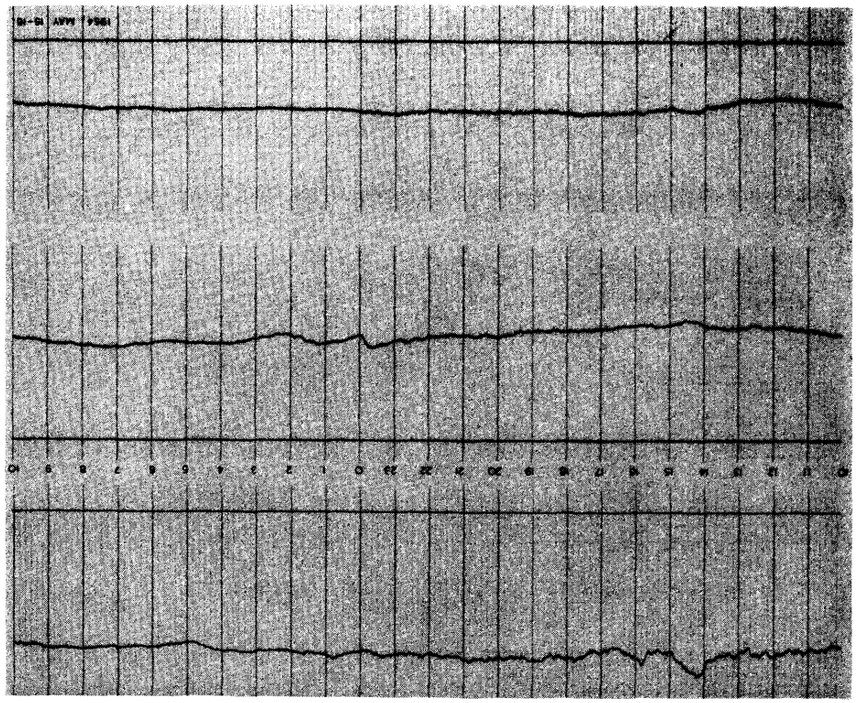


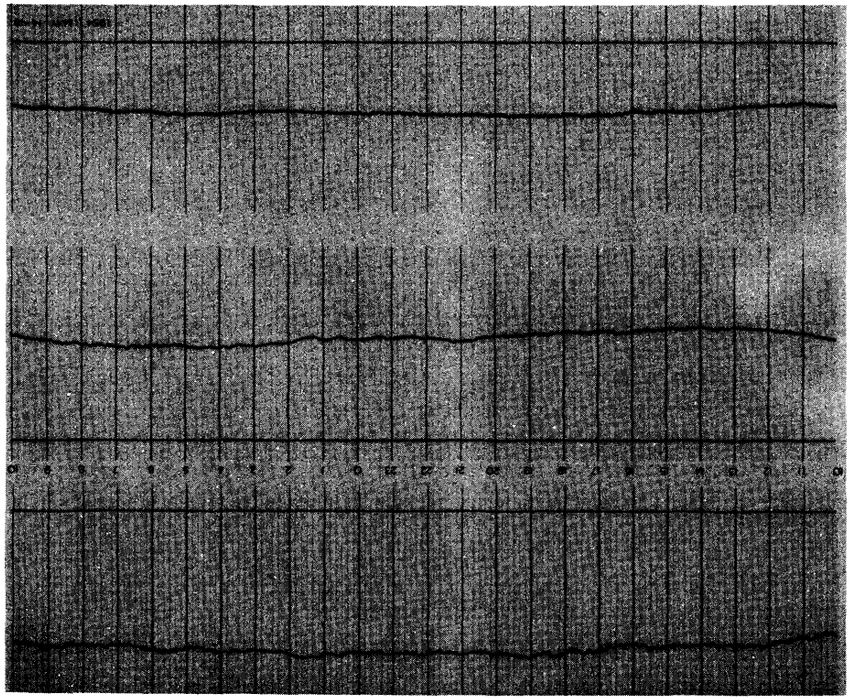


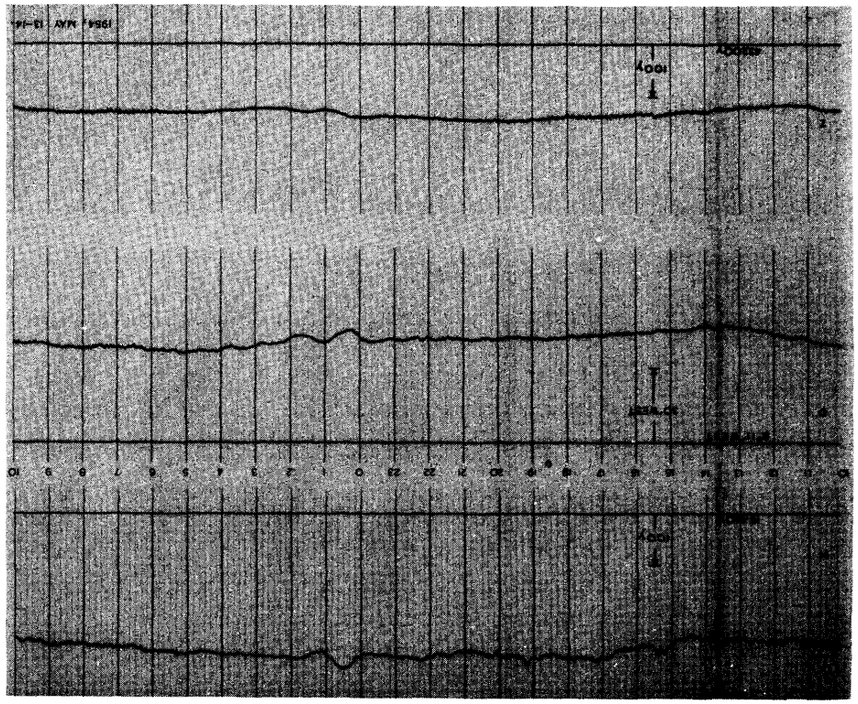


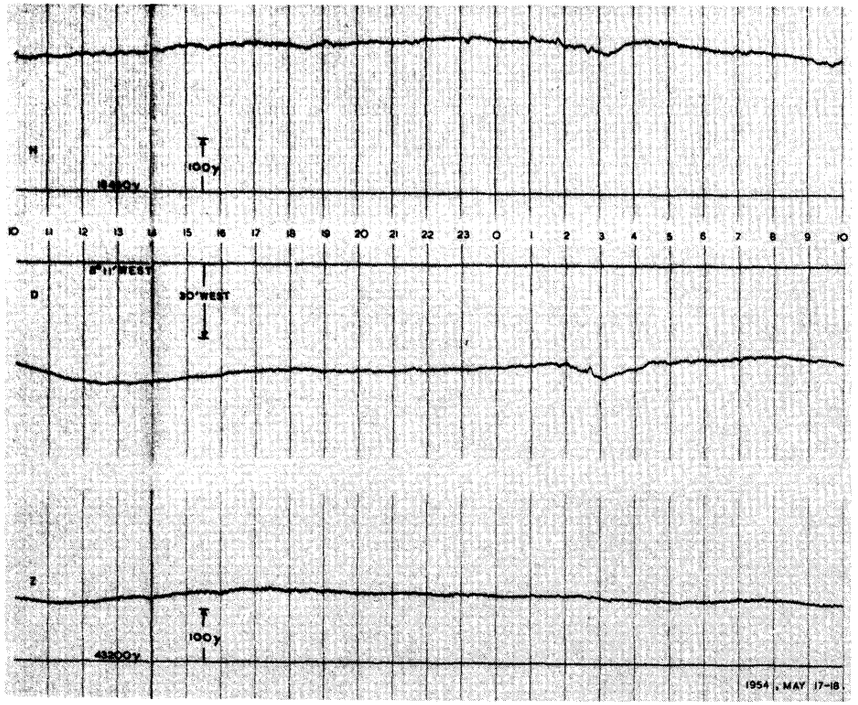


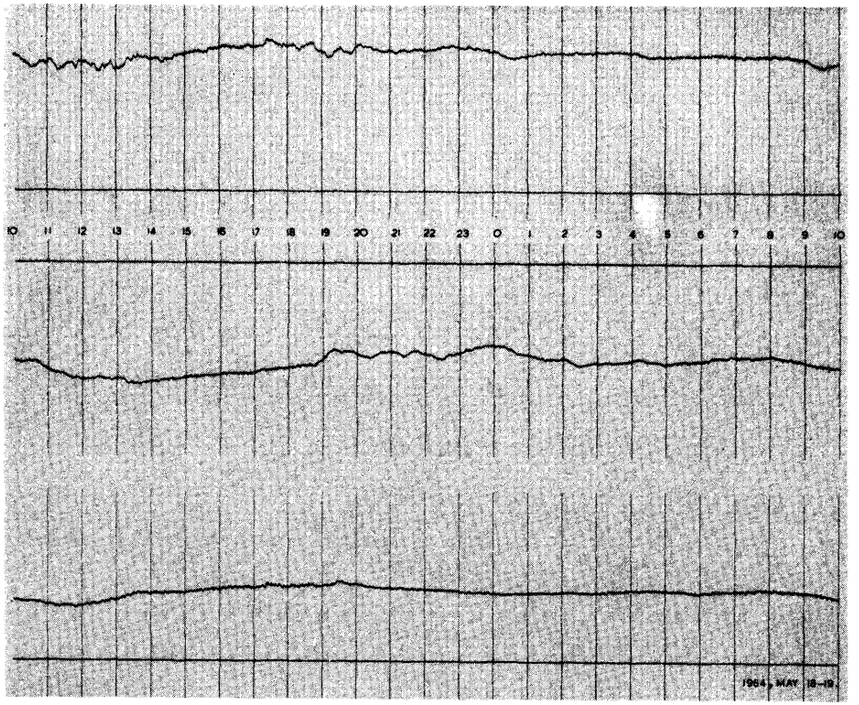









H
18400γ
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
D
21'11" WEST
30' WEST
Z
43200γ
100γ
1954, MAY 17-18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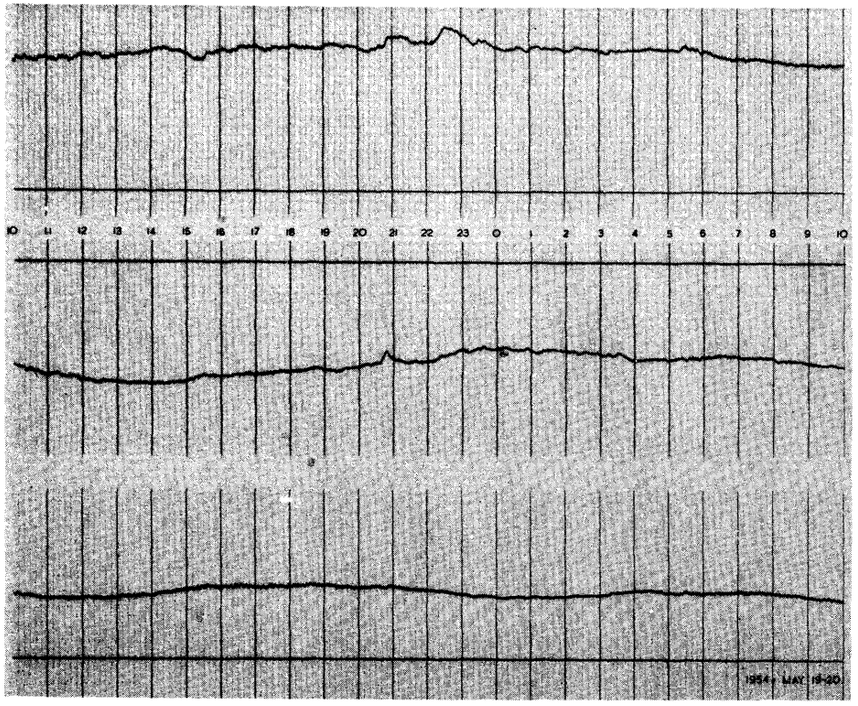
1954, MAY 18-19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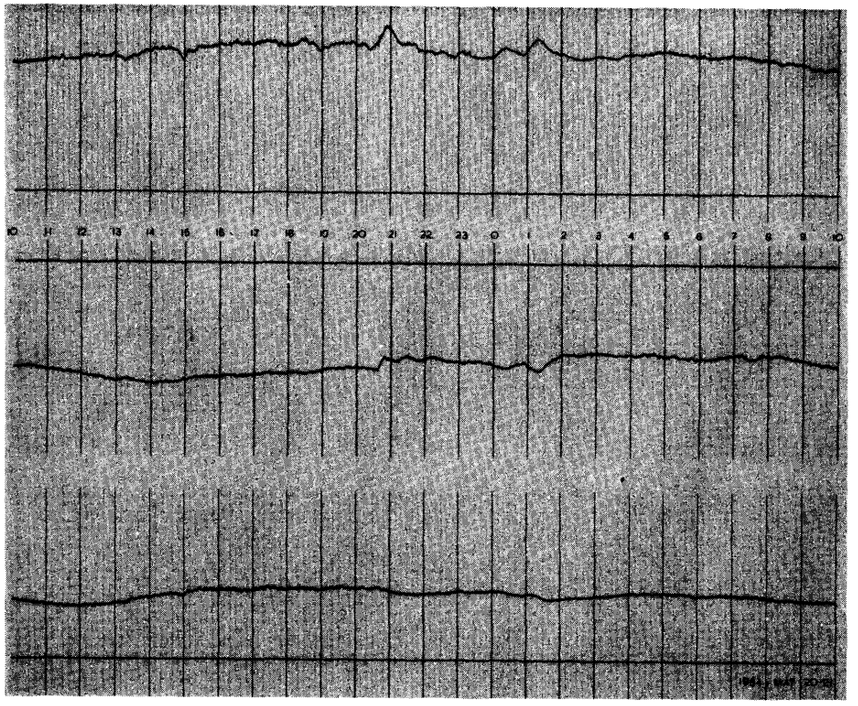
1954, MAY 19-20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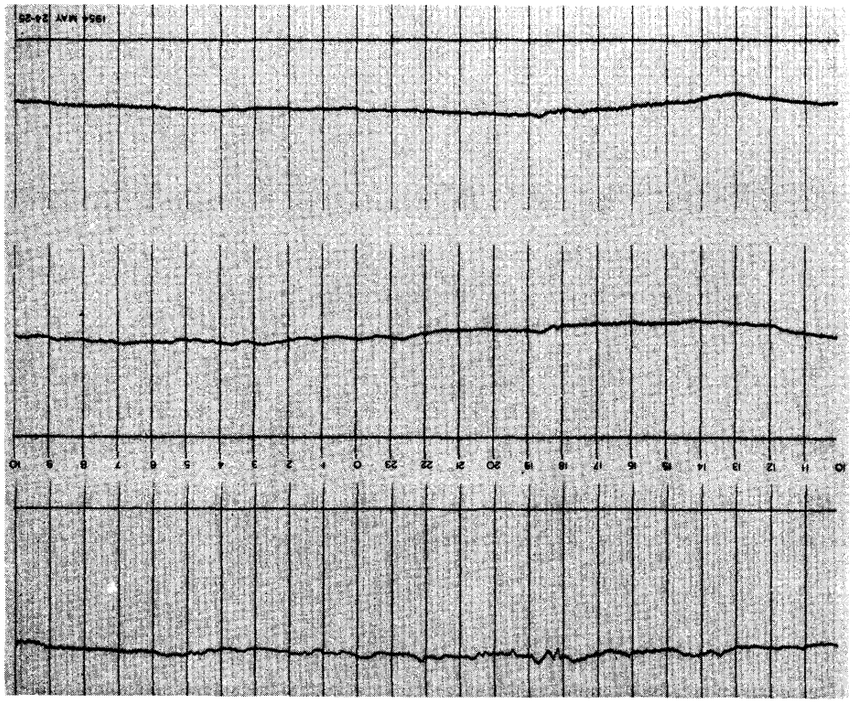
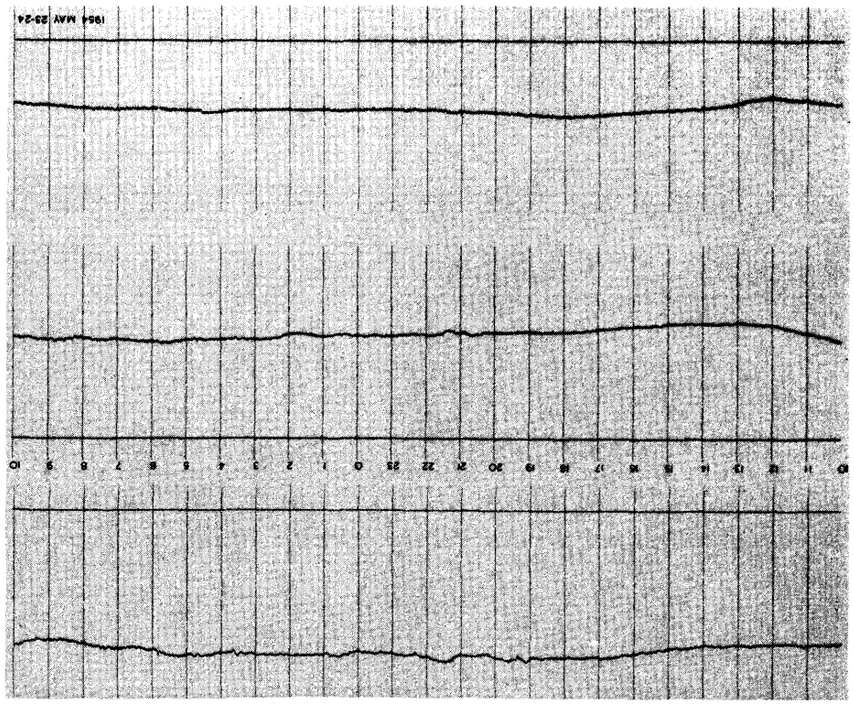

1954 MAY 24-25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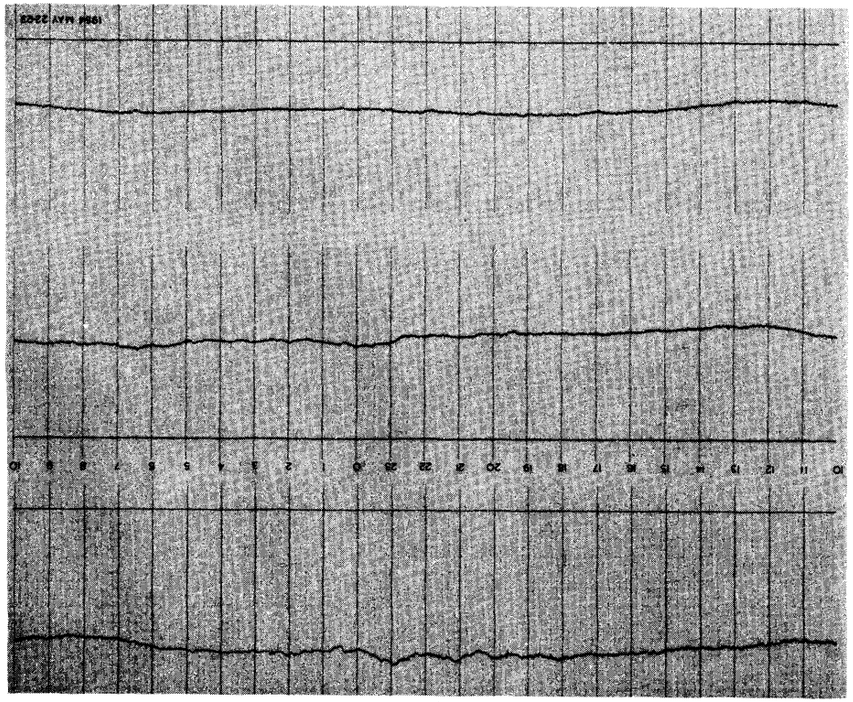
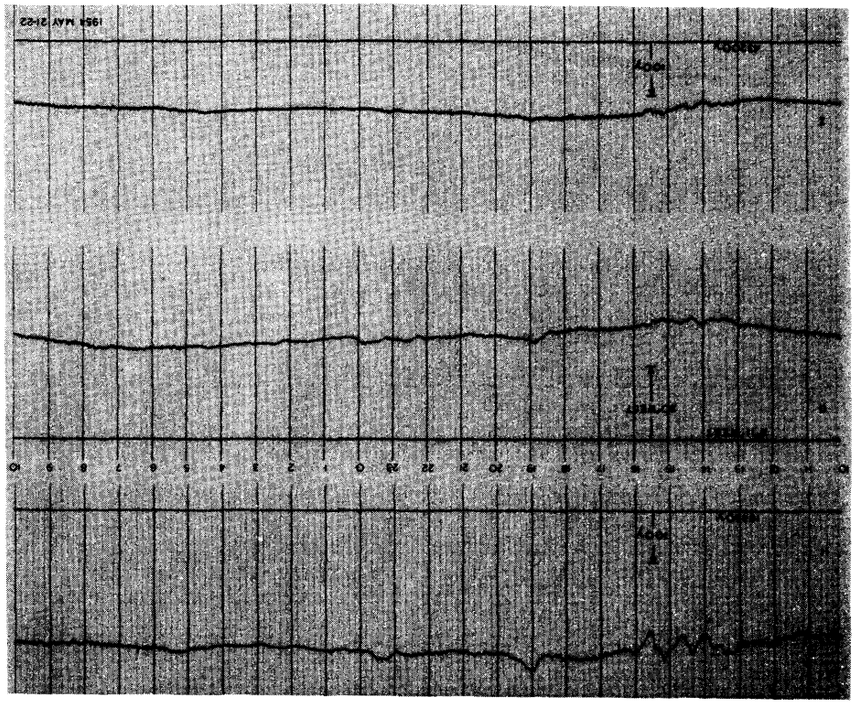
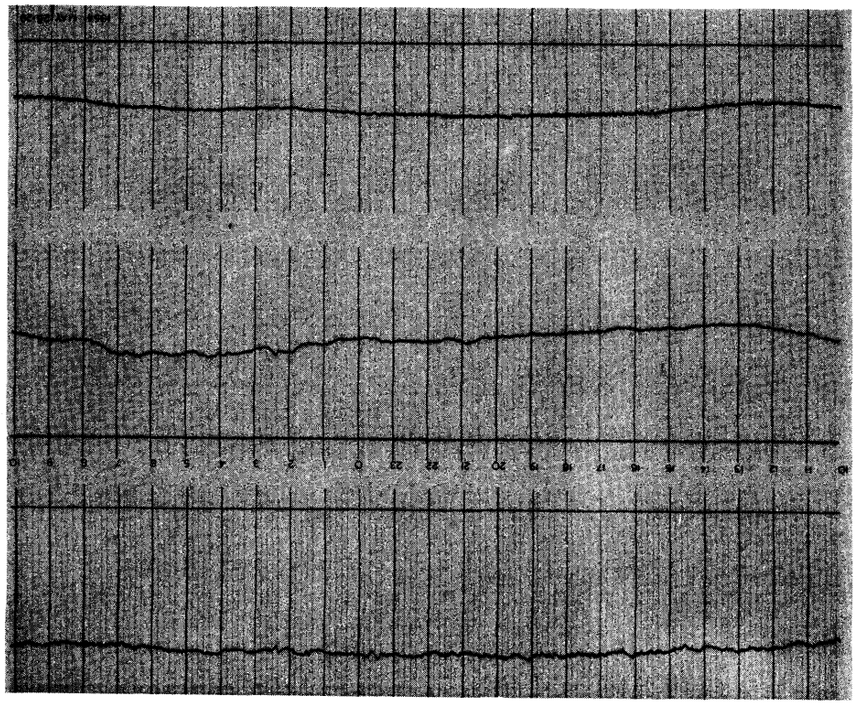
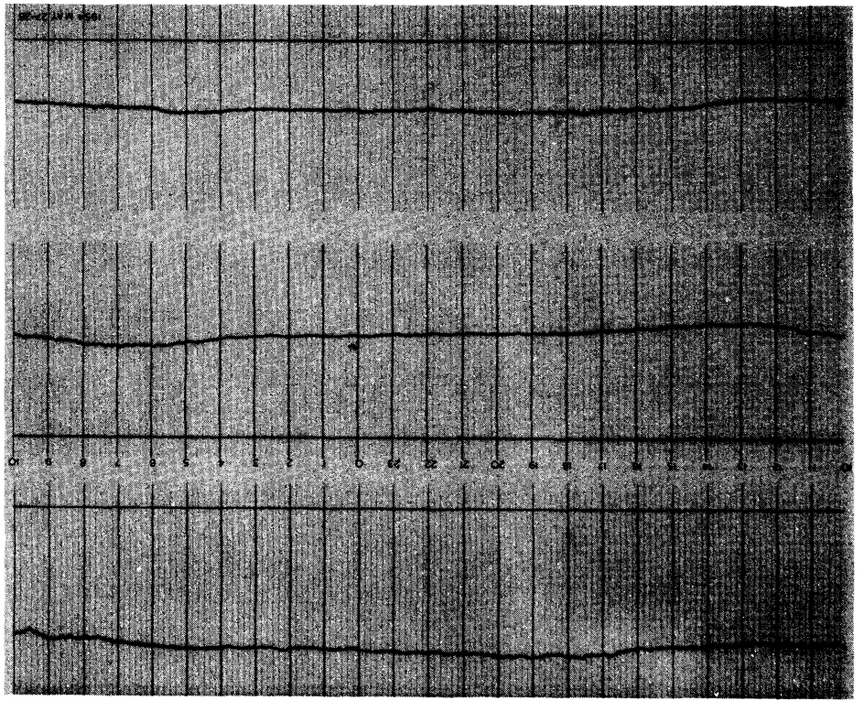
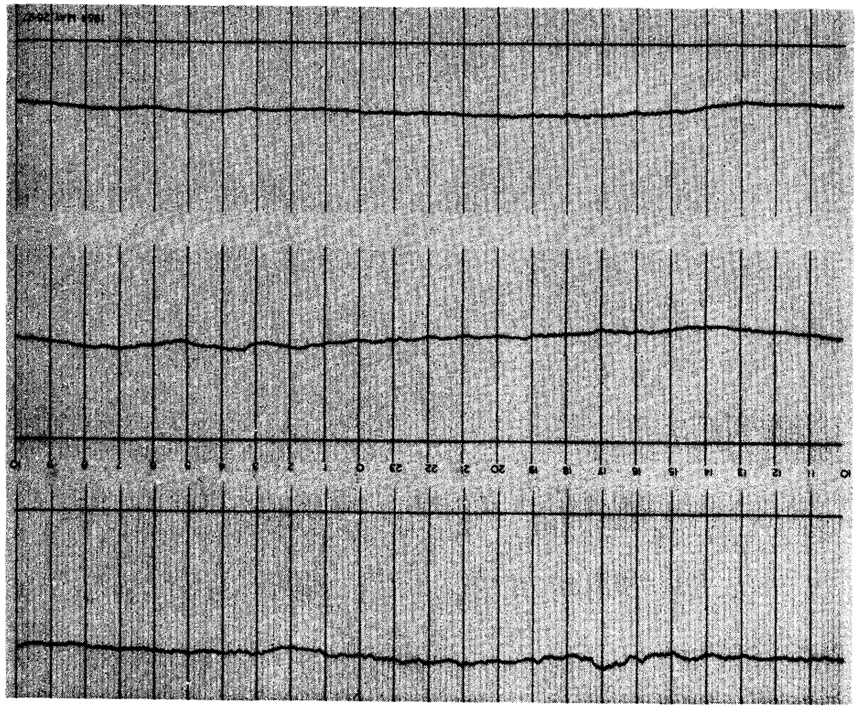
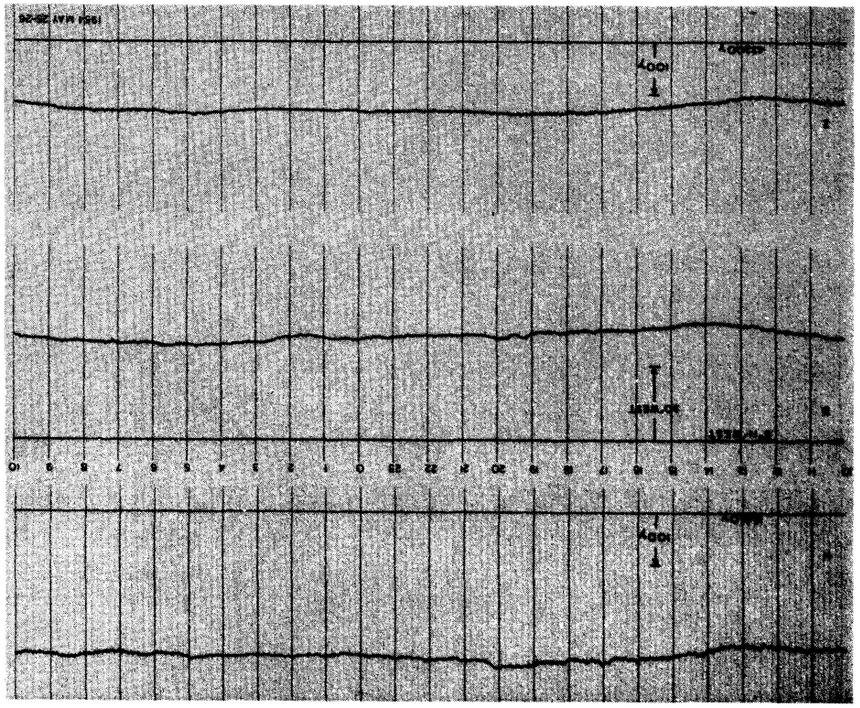

1954 MAY 22-23

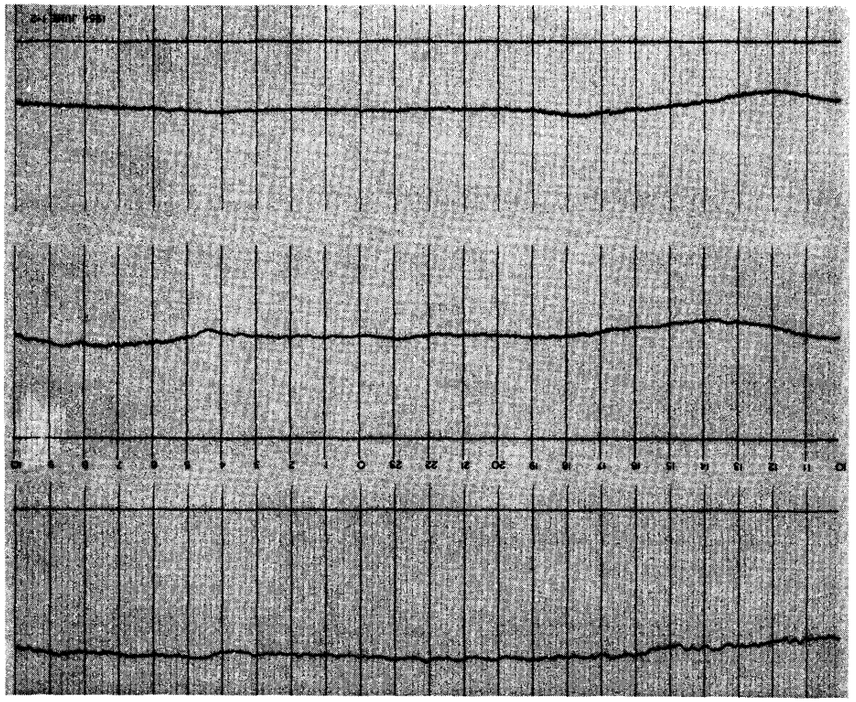

1954 MAY 21-22

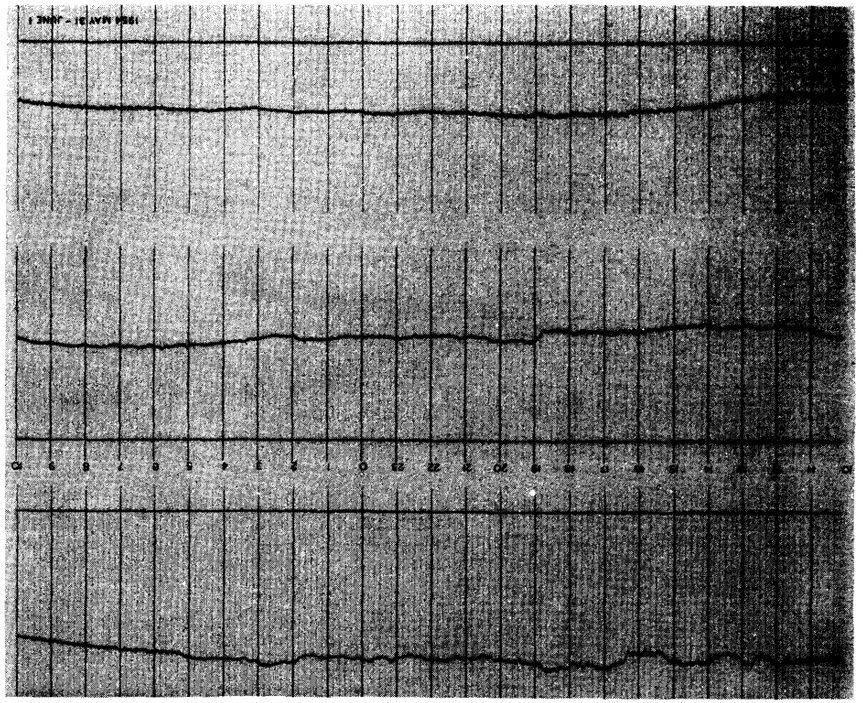


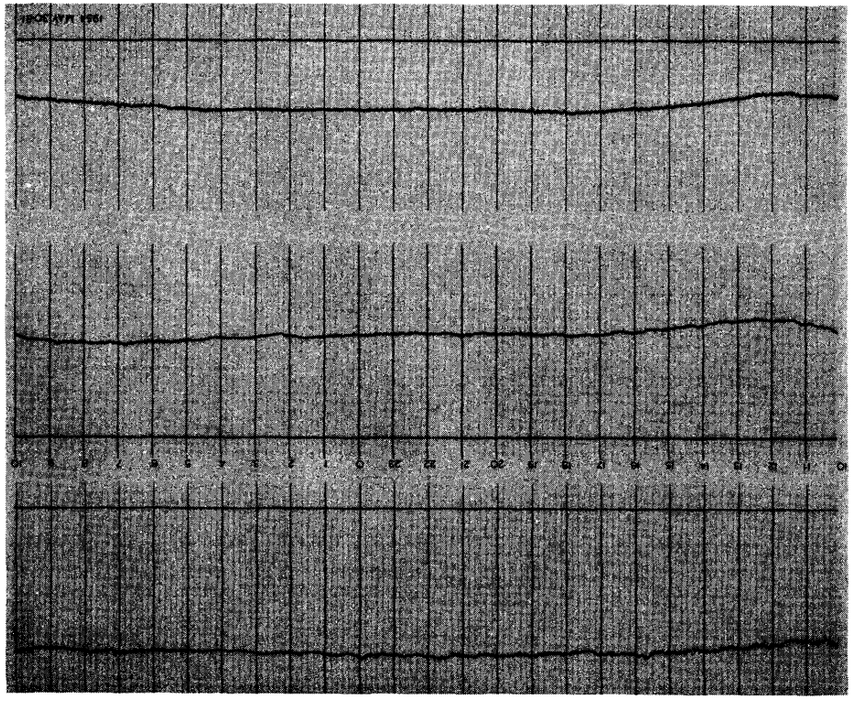


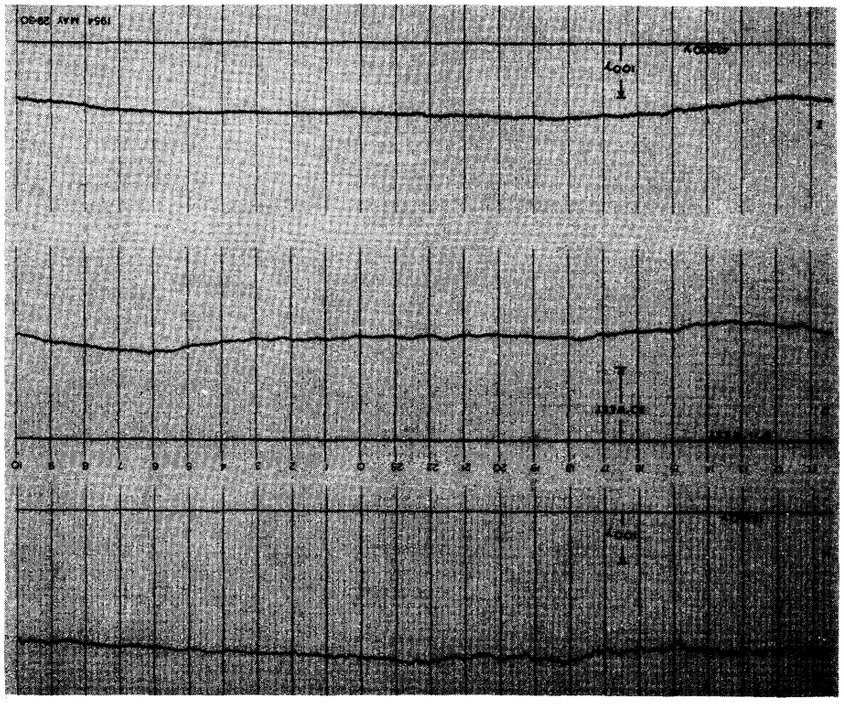


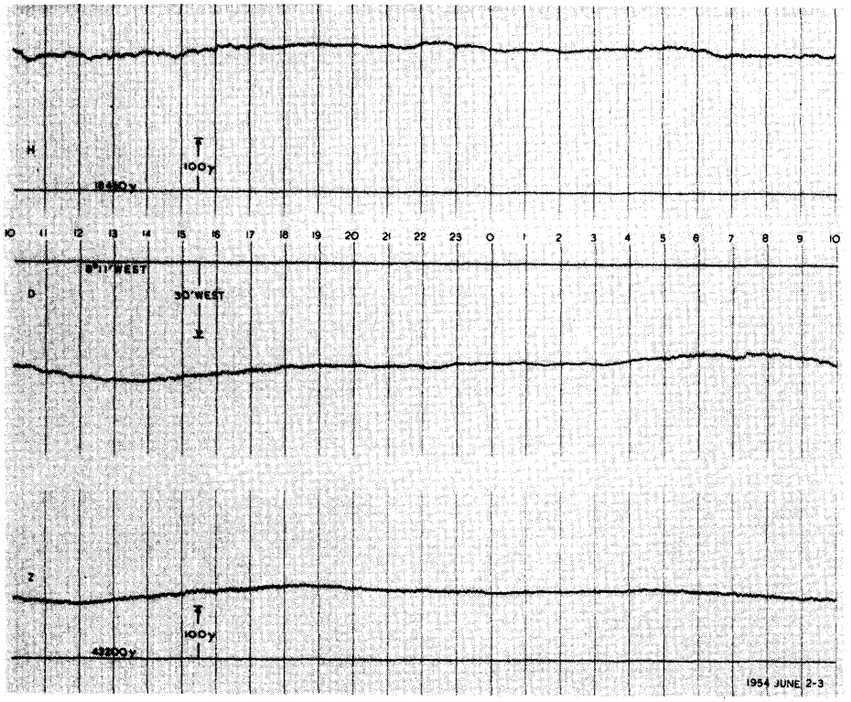


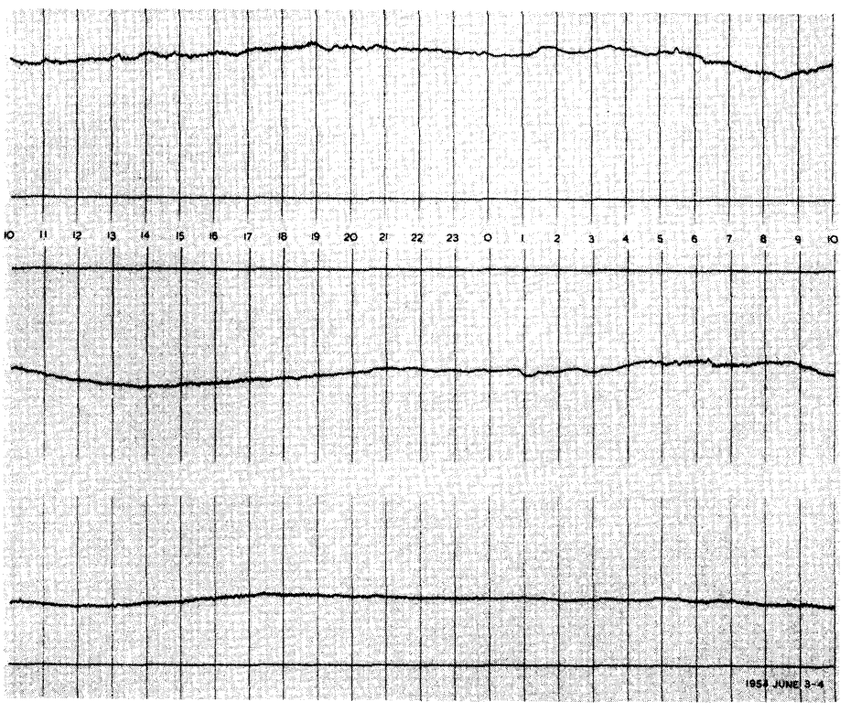









H
100γ
18430γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°11'WEST
D
30'WEST
Z
100γ
43200γ
1954 JUNE 2-3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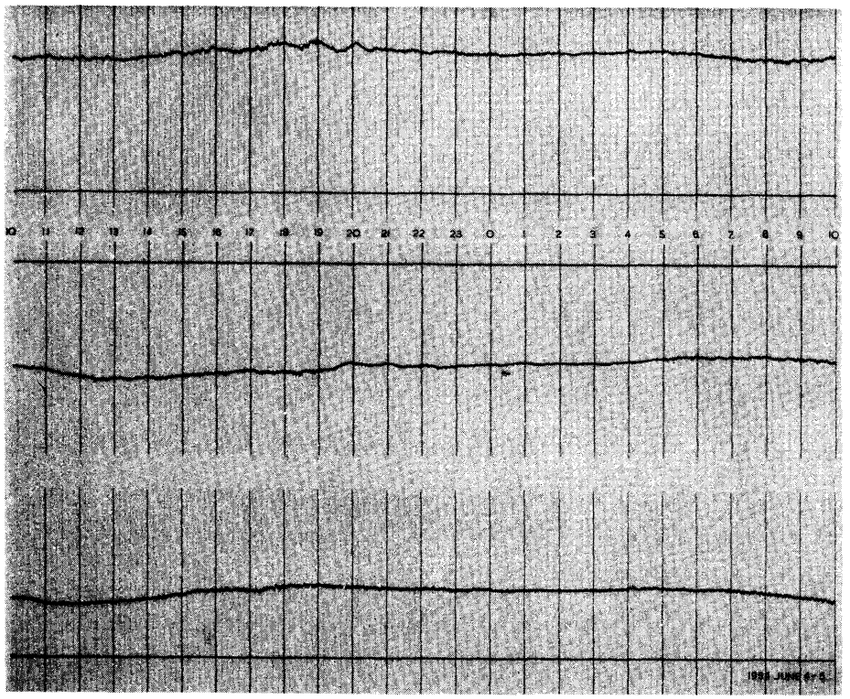
1954 JUNE 3-4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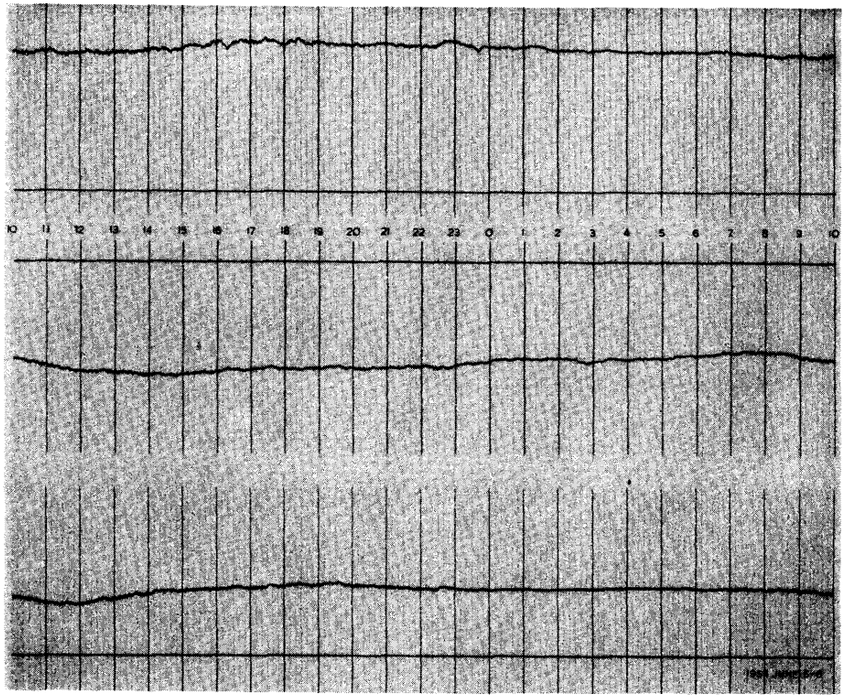
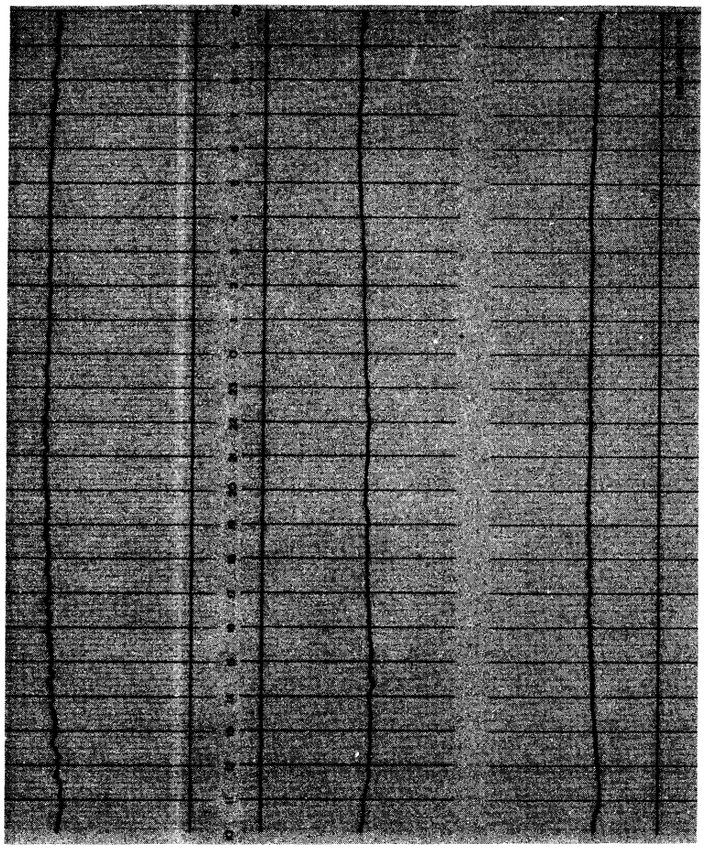

10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10

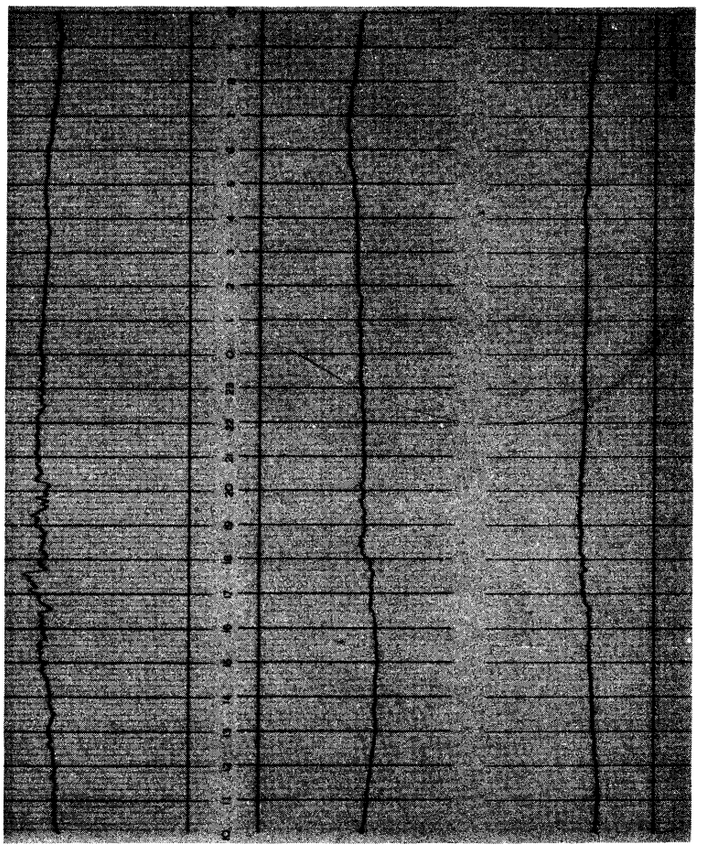
0-6 hour rise
0 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10

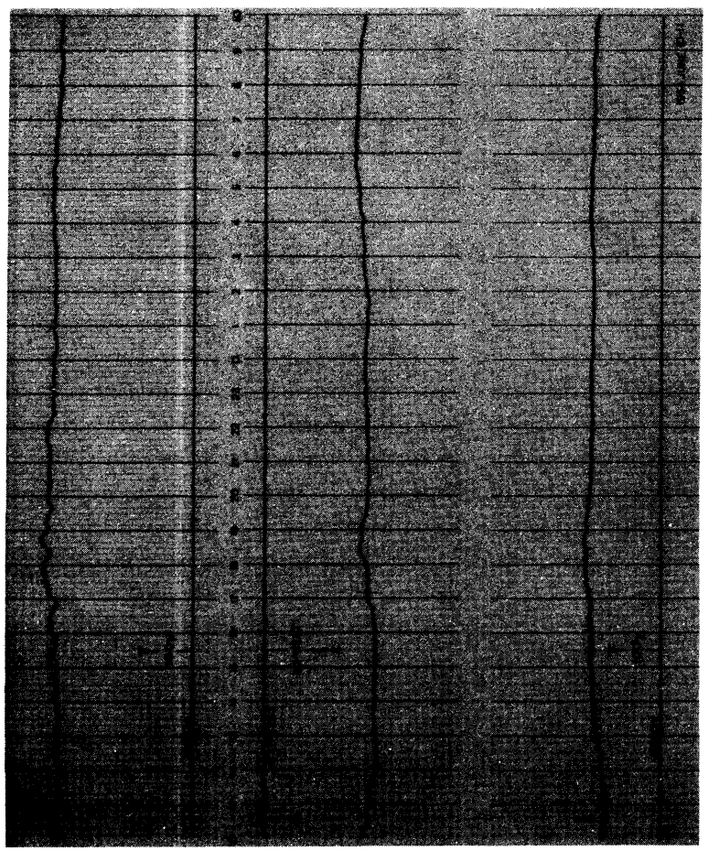
6-12 hour rise
0 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6

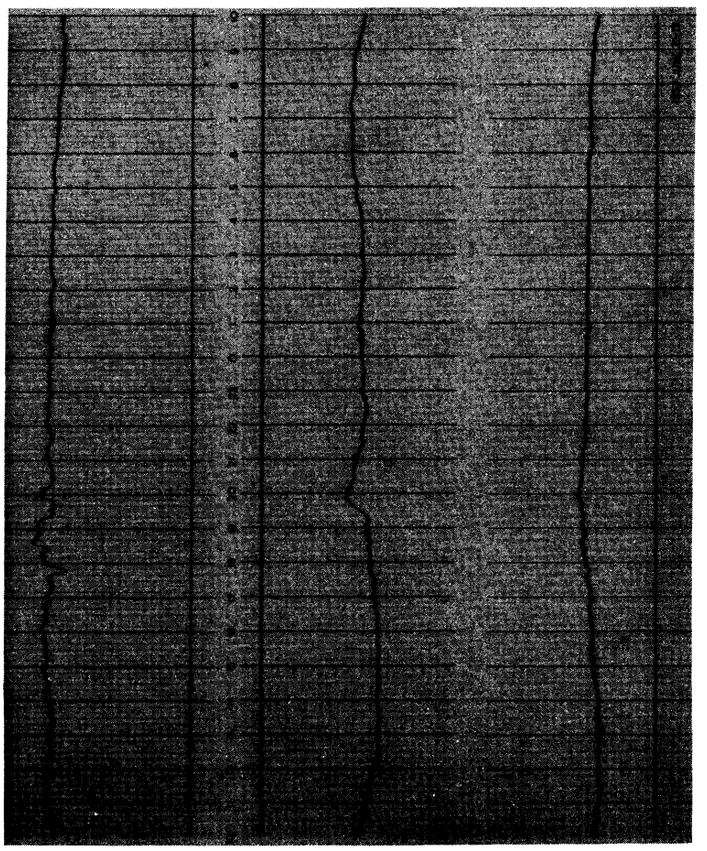
12-18 hour rise
0 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6

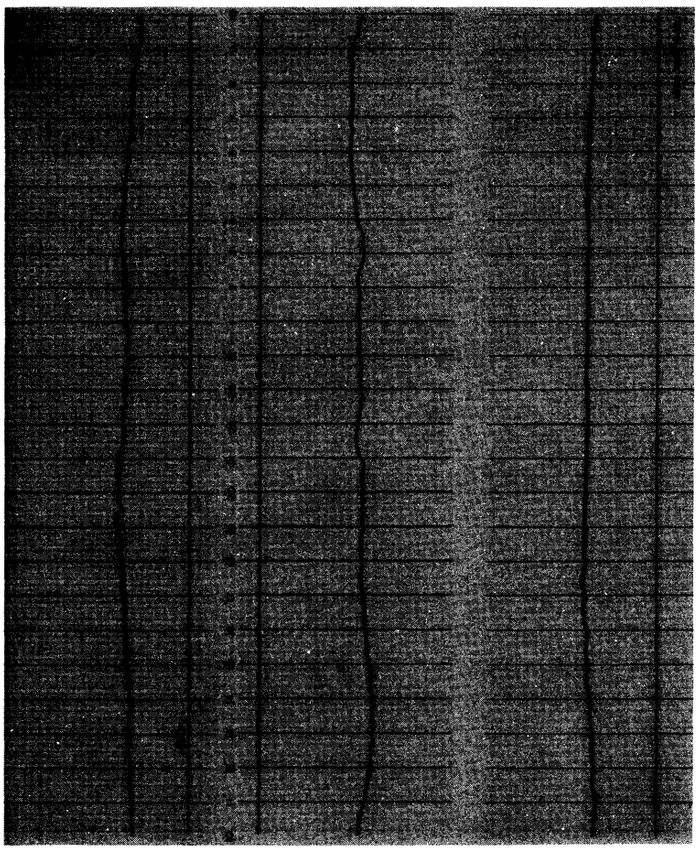
18-24 hour rise
0 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6

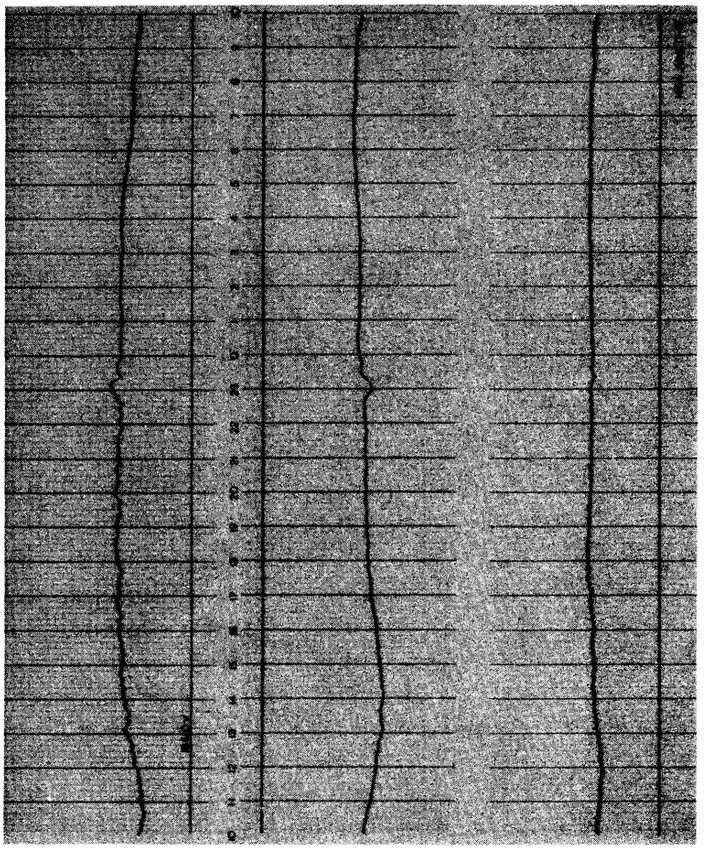


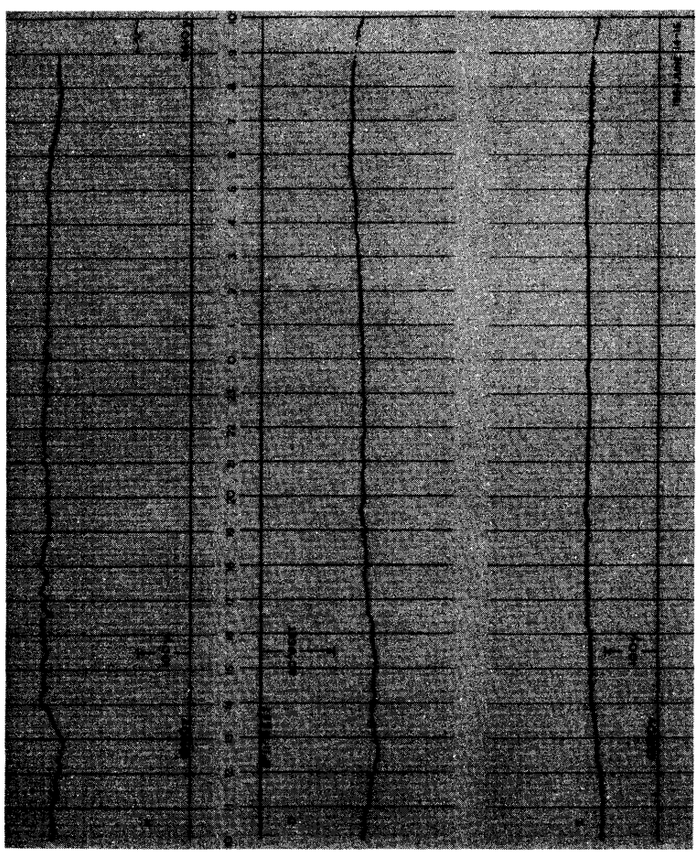


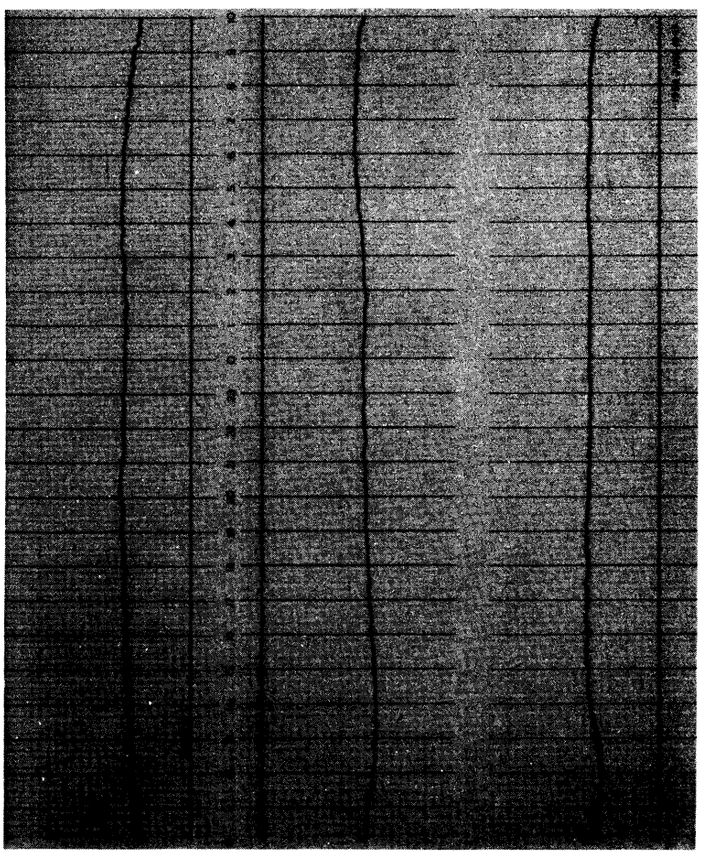


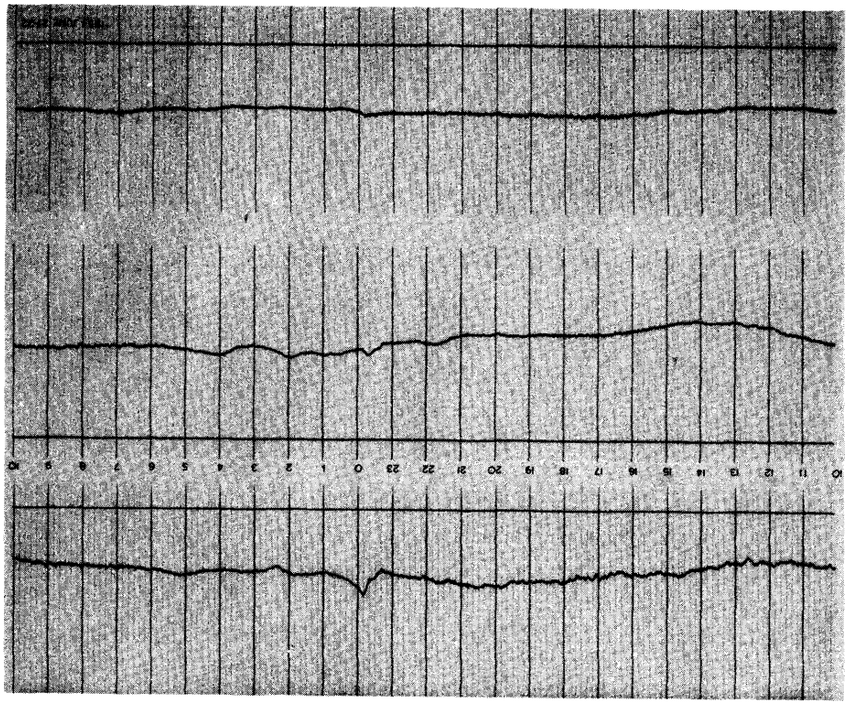


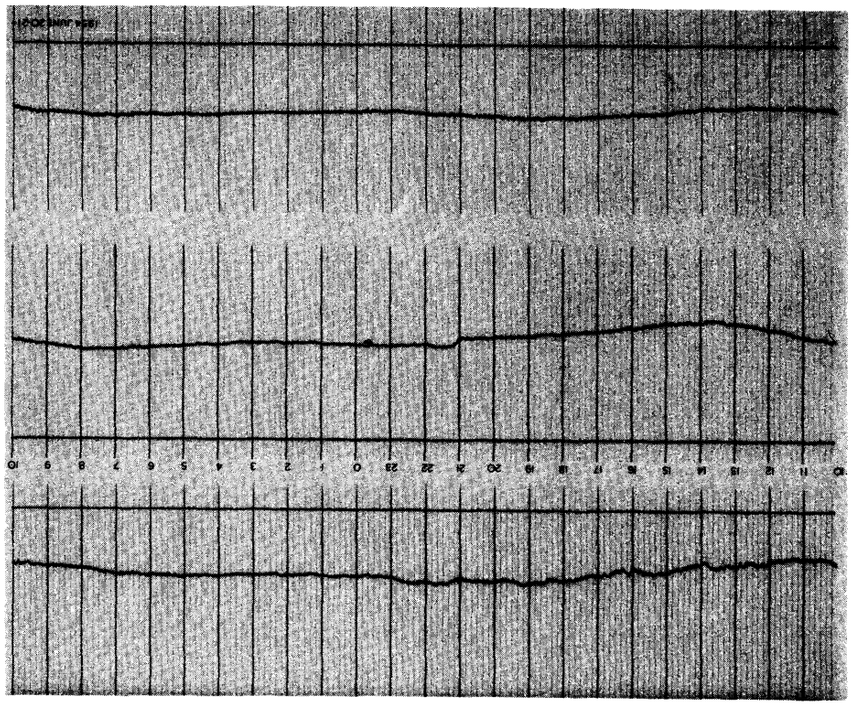


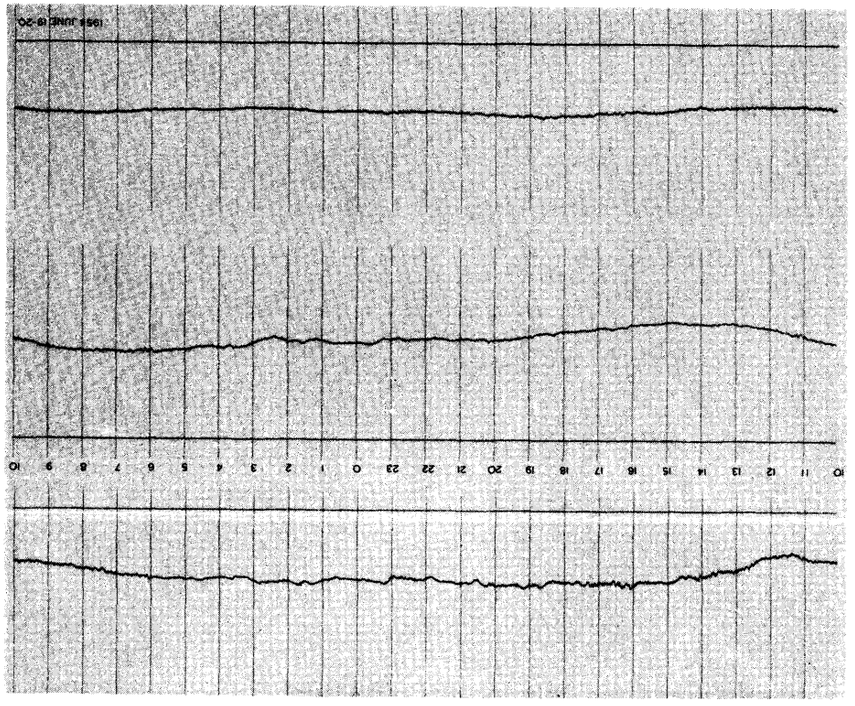


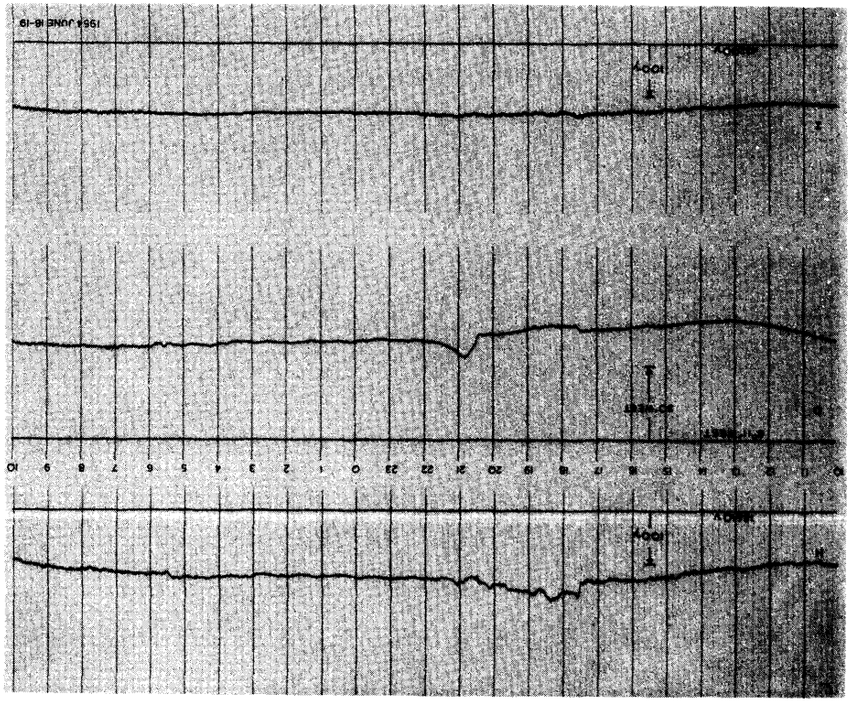


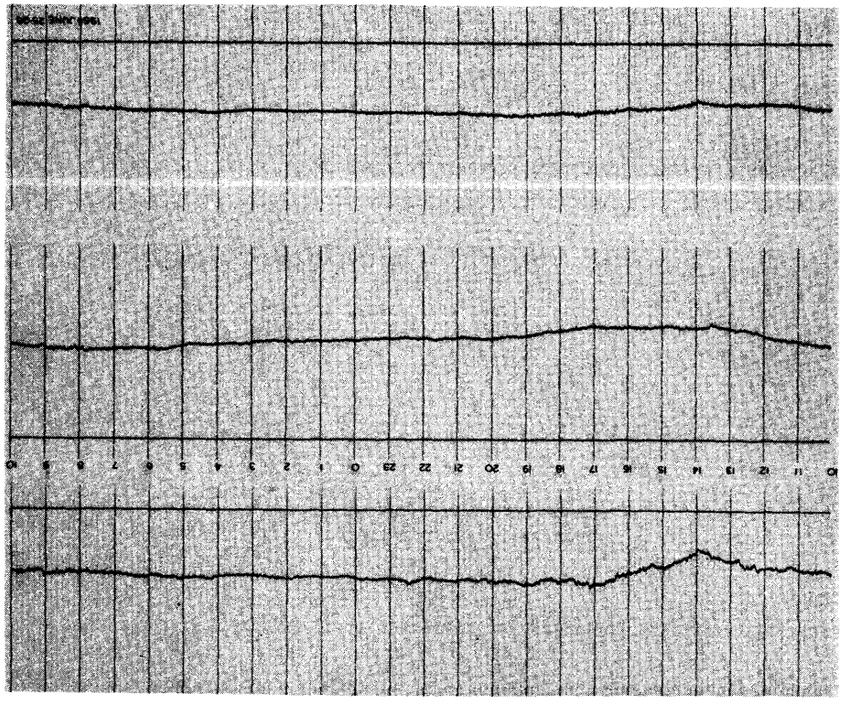


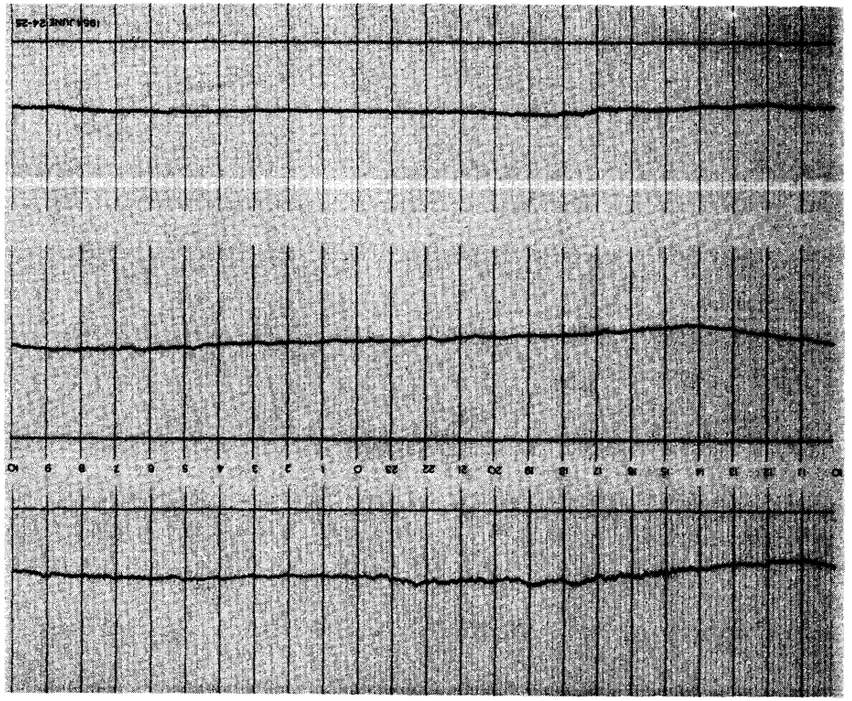


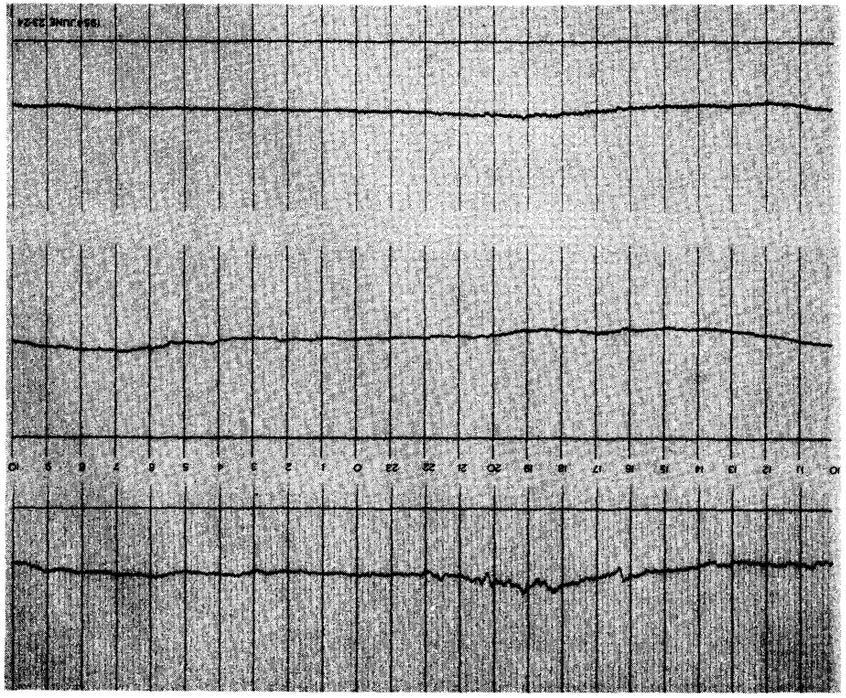


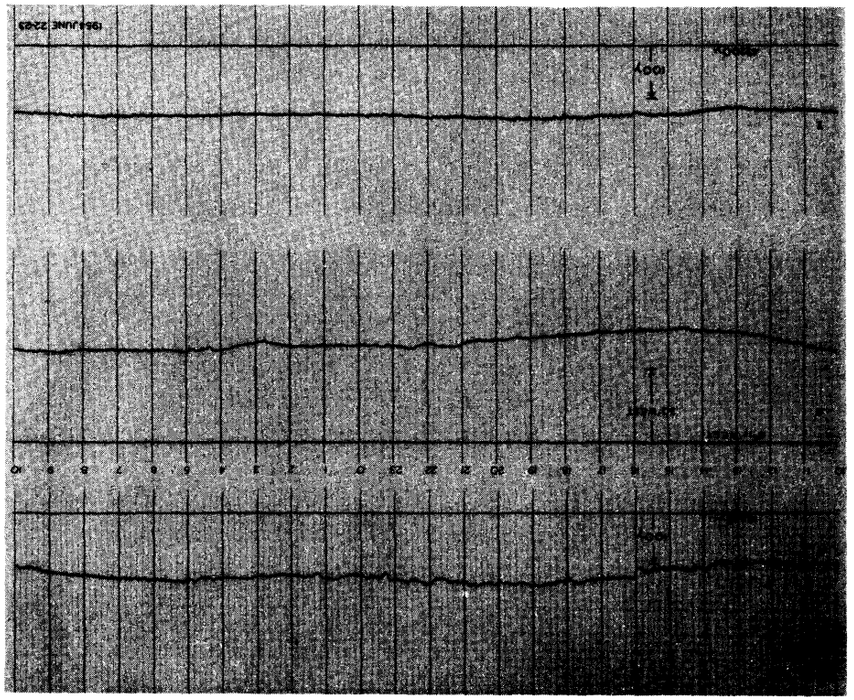


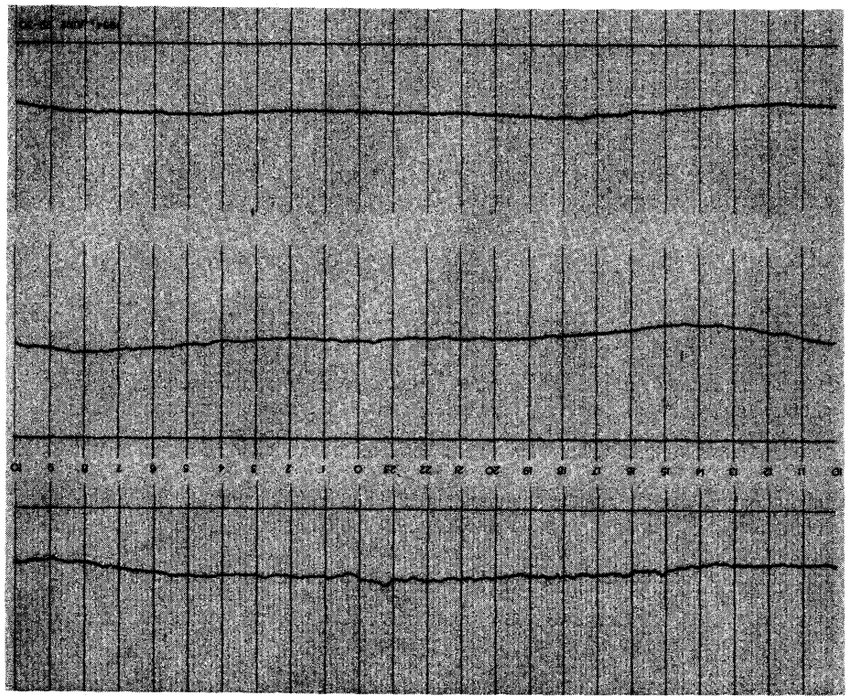


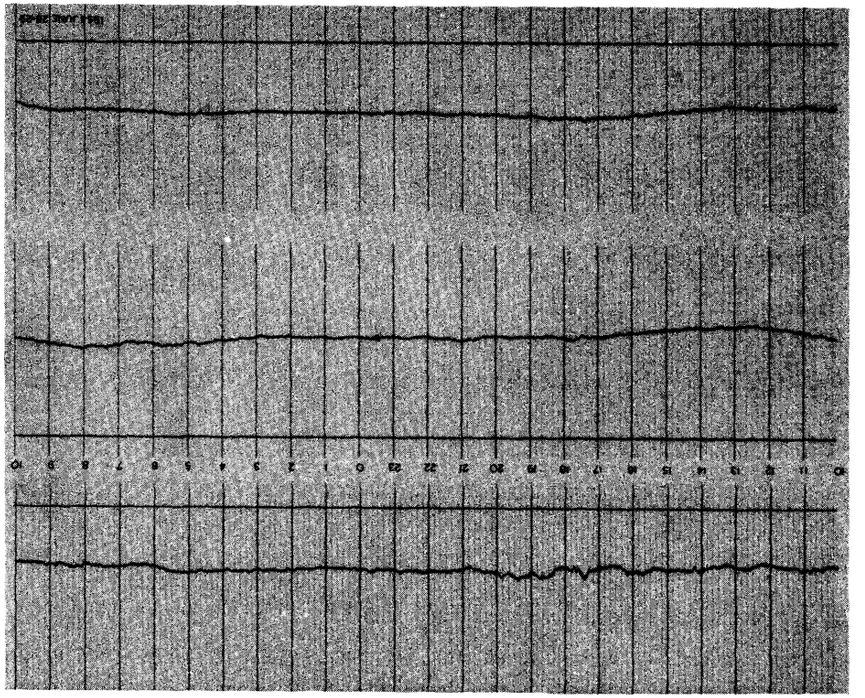


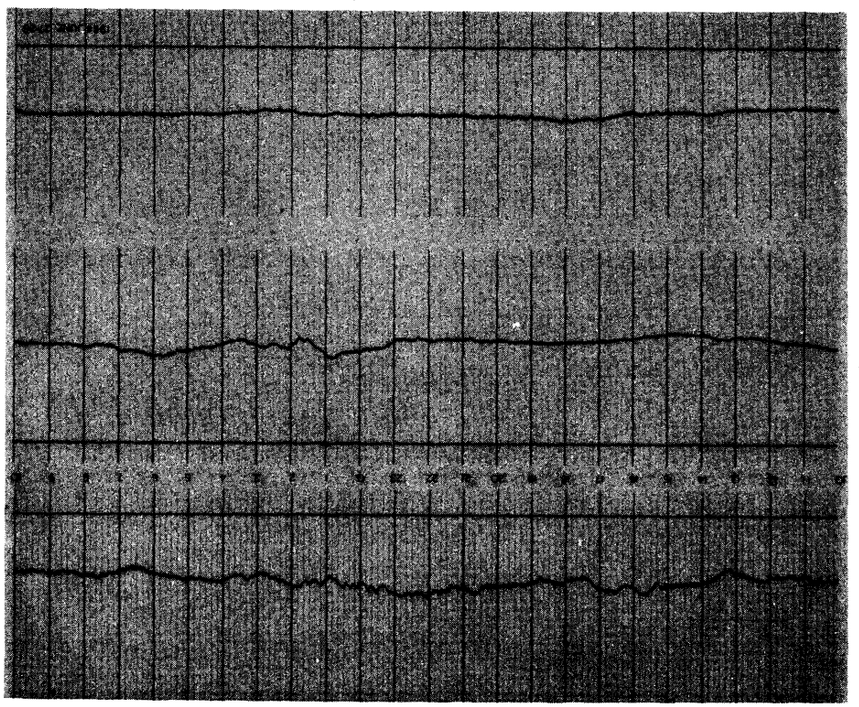


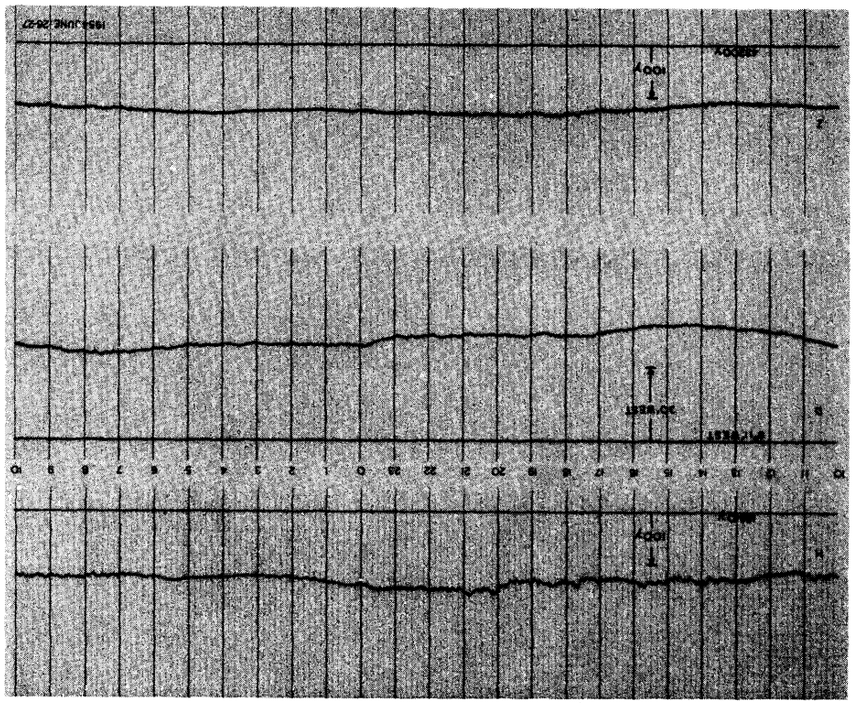


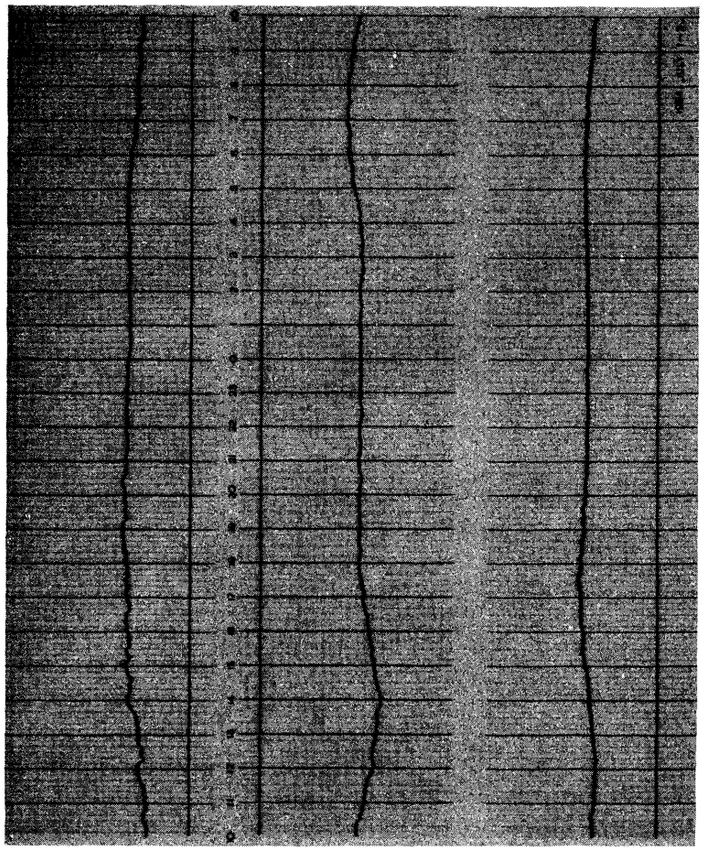


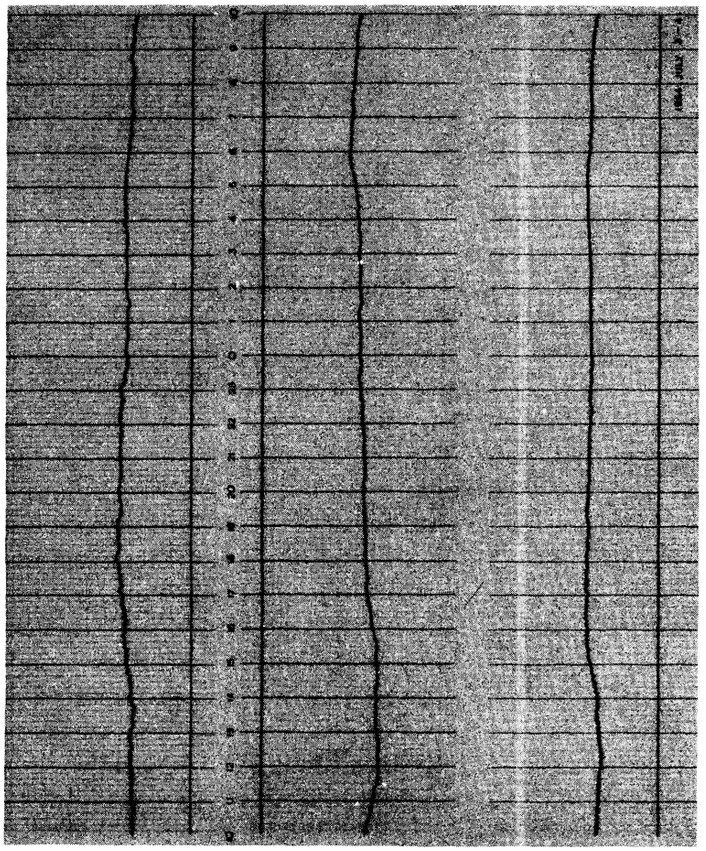


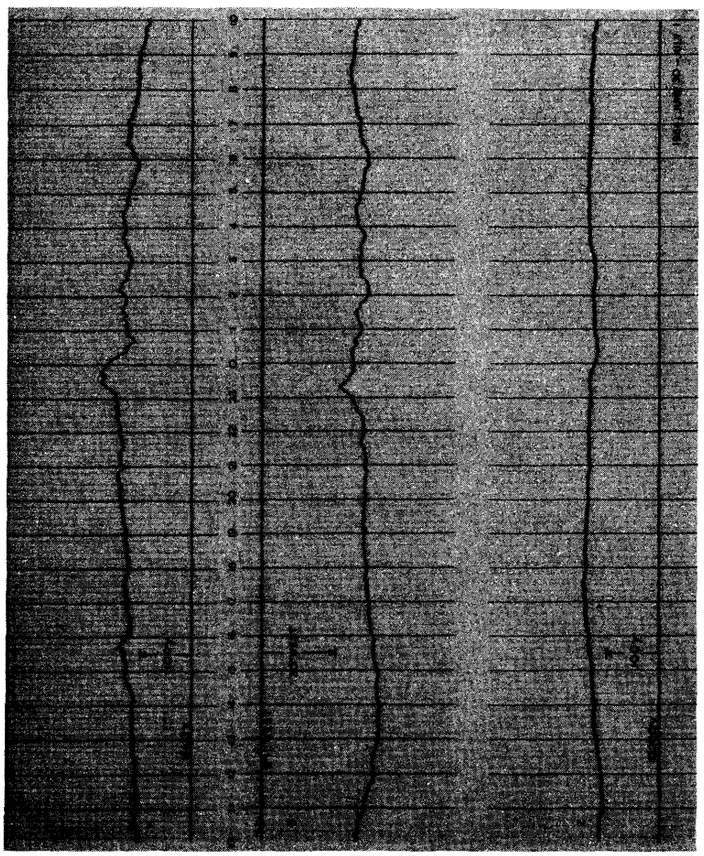


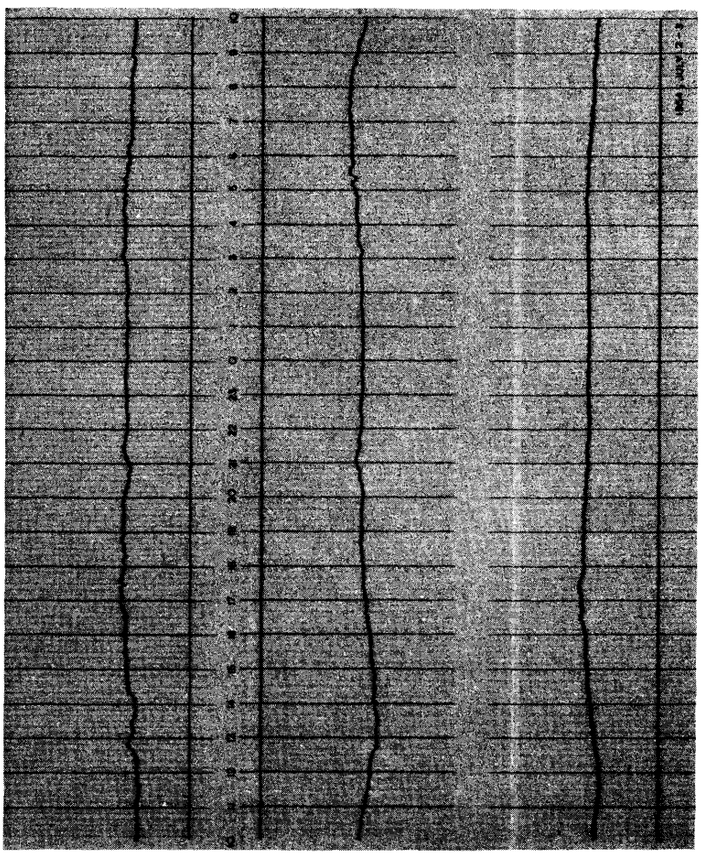


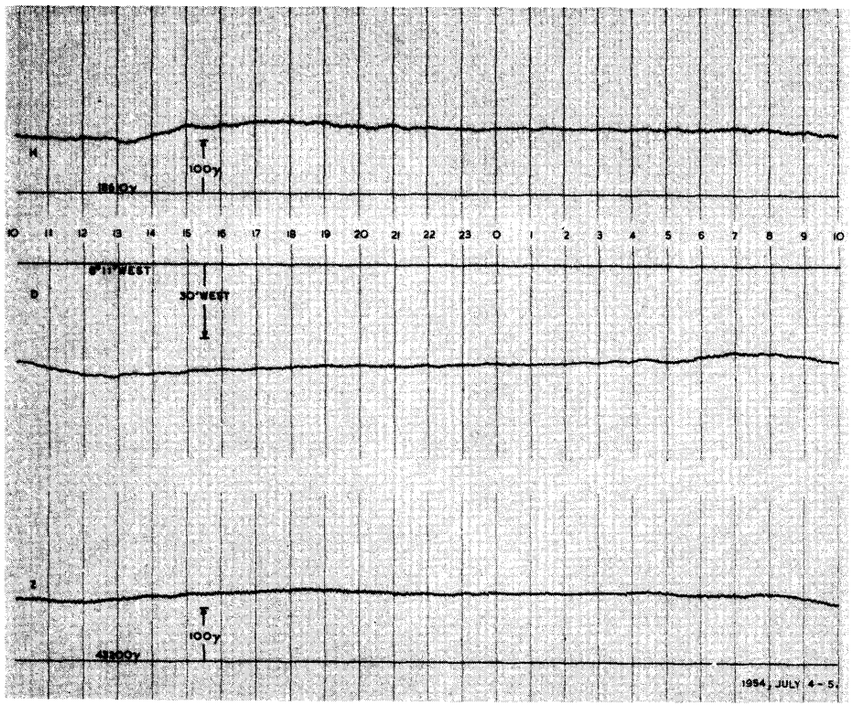


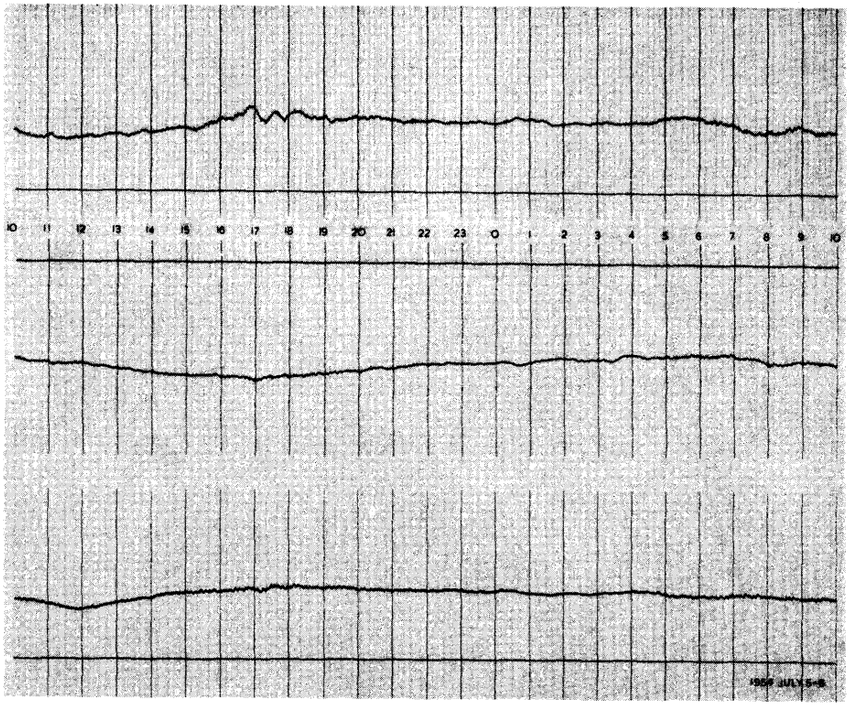


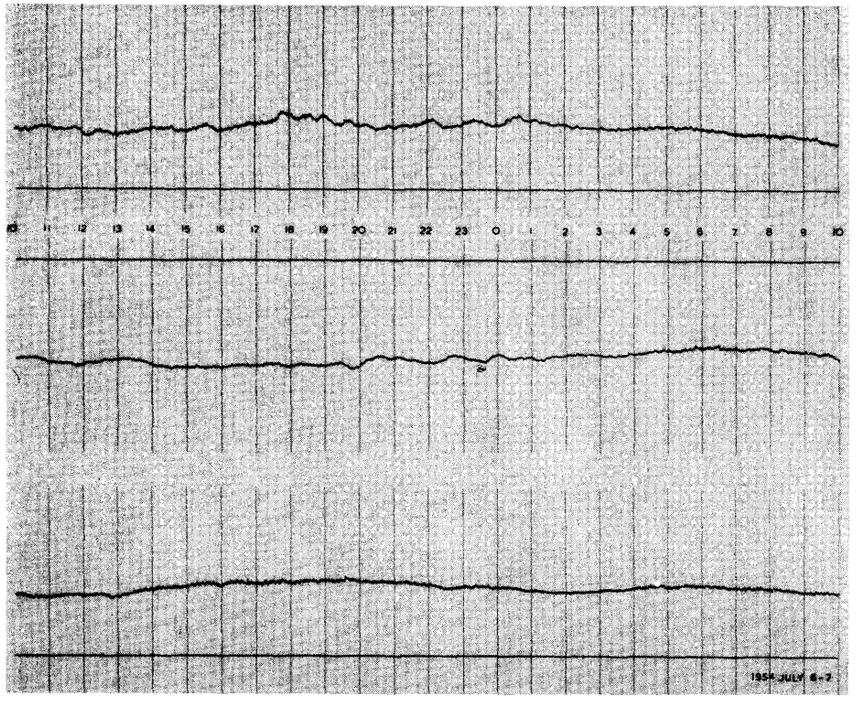


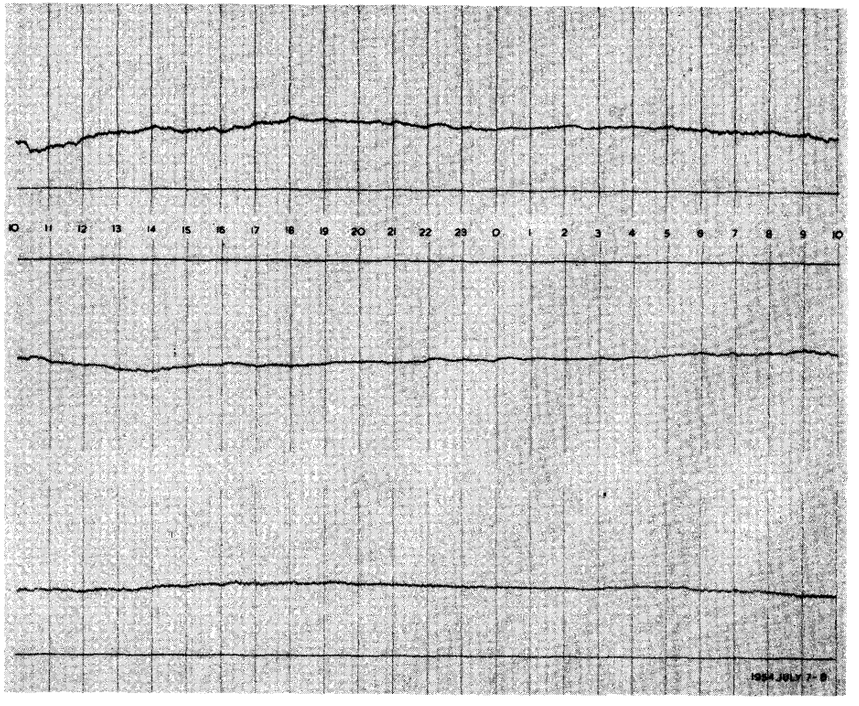


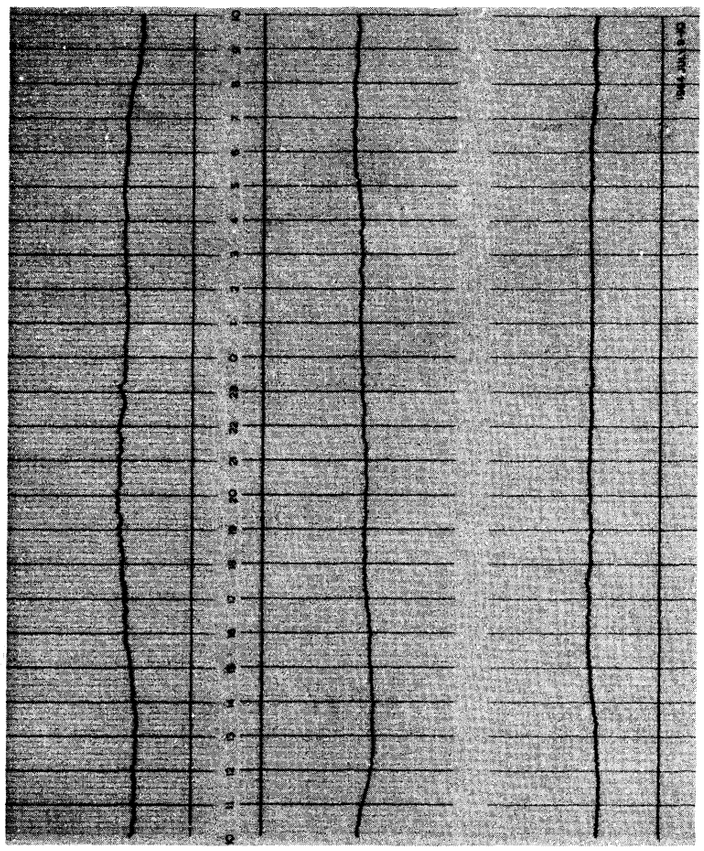


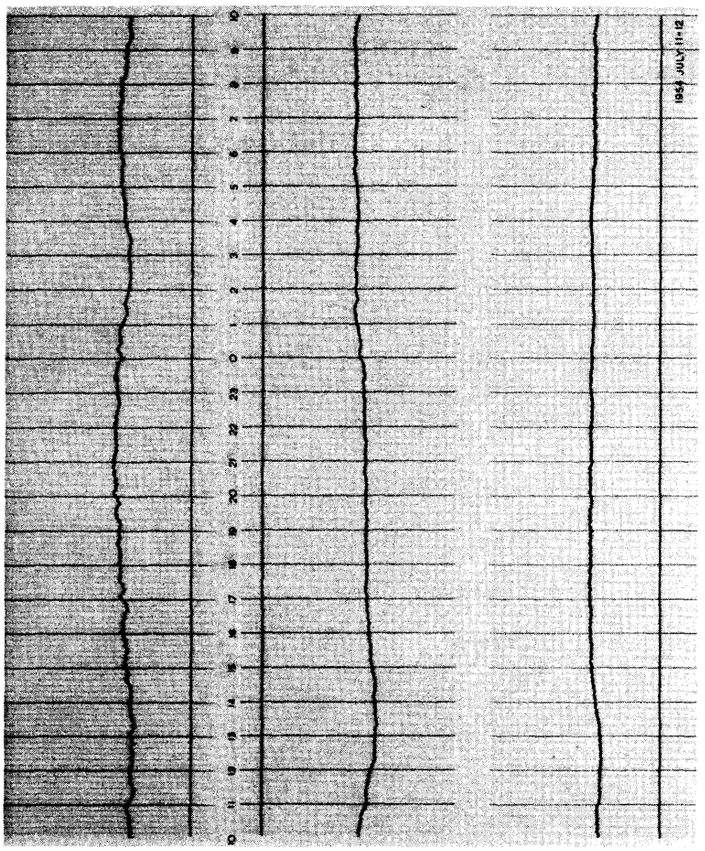

H
18400γ
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
6°11' WEST
D
30' WEST
Z
45200γ
100γ
1954 JULY 4 - 5

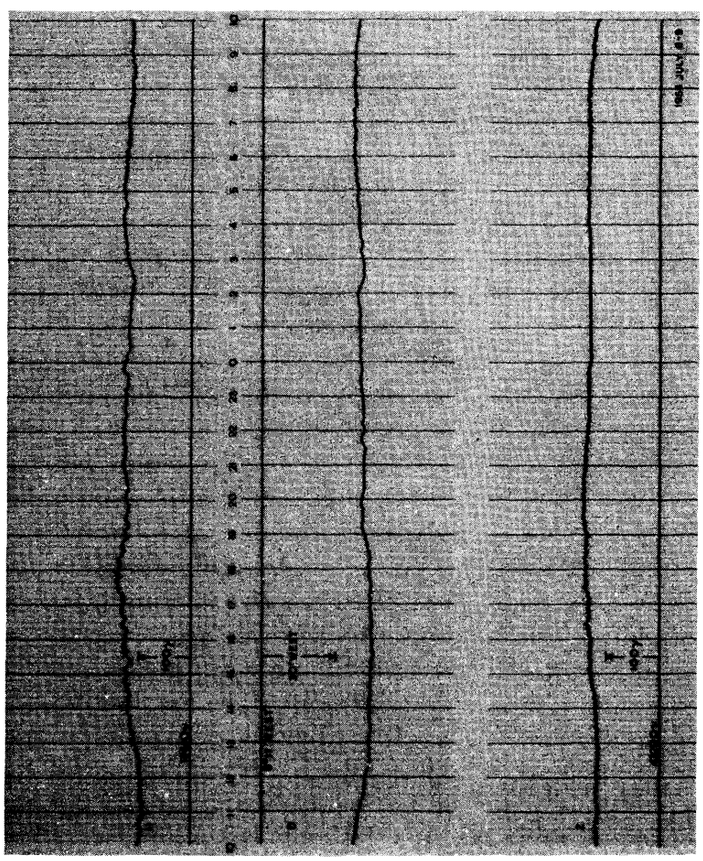

10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 JULY 5-6

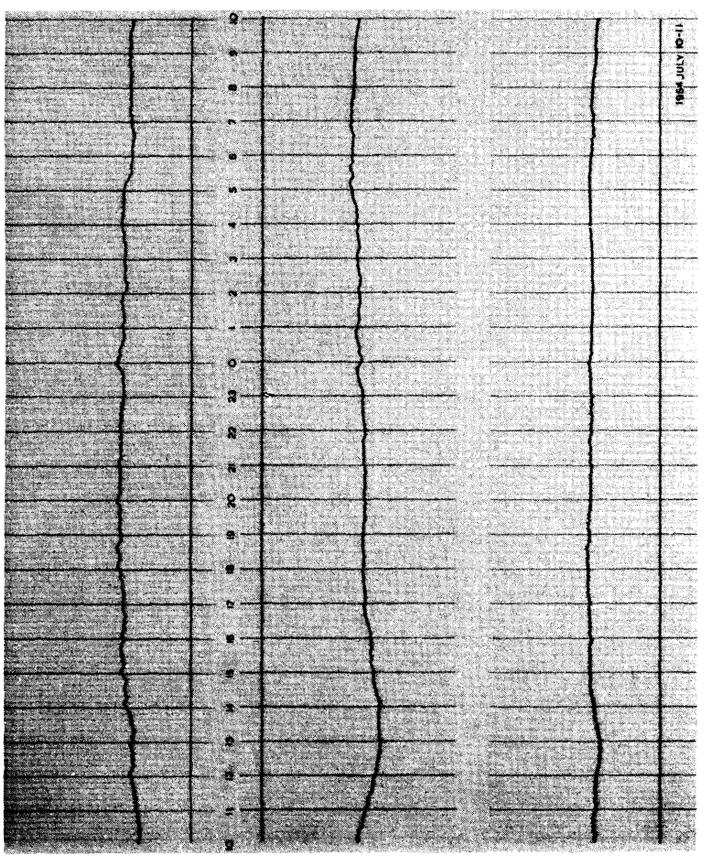

10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 JULY 6-7


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 JULY 7-8

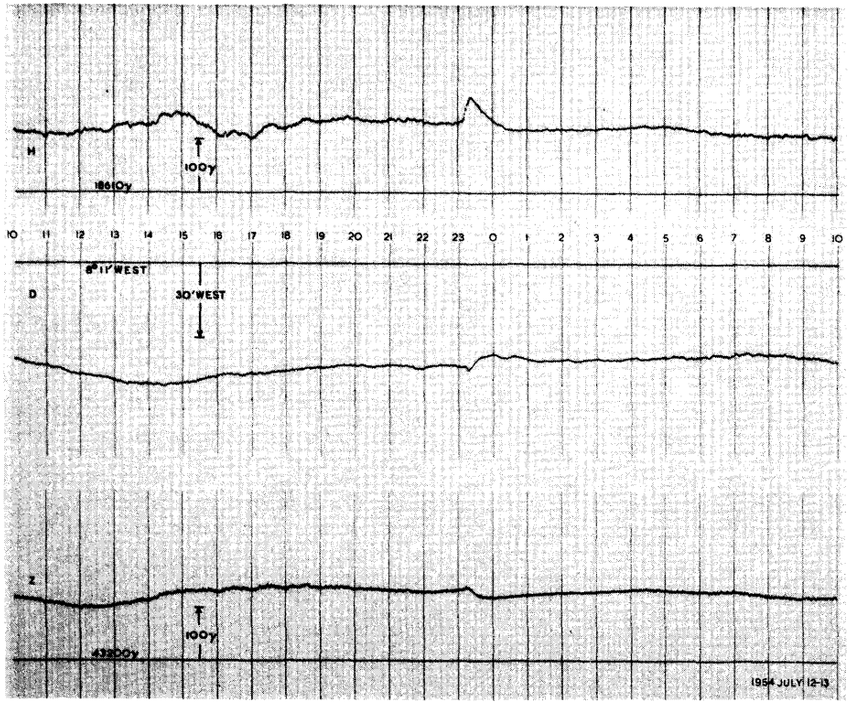


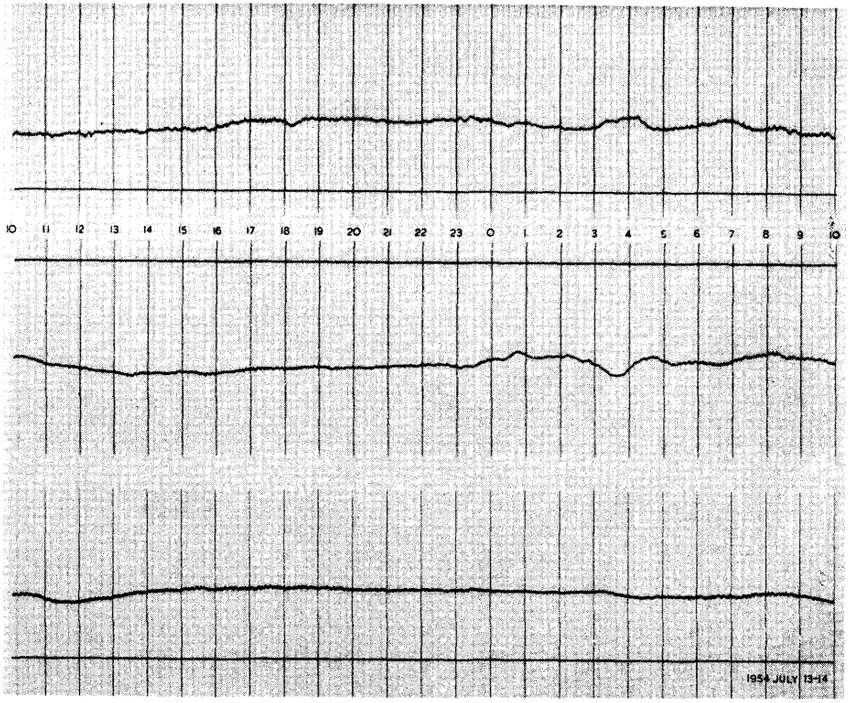


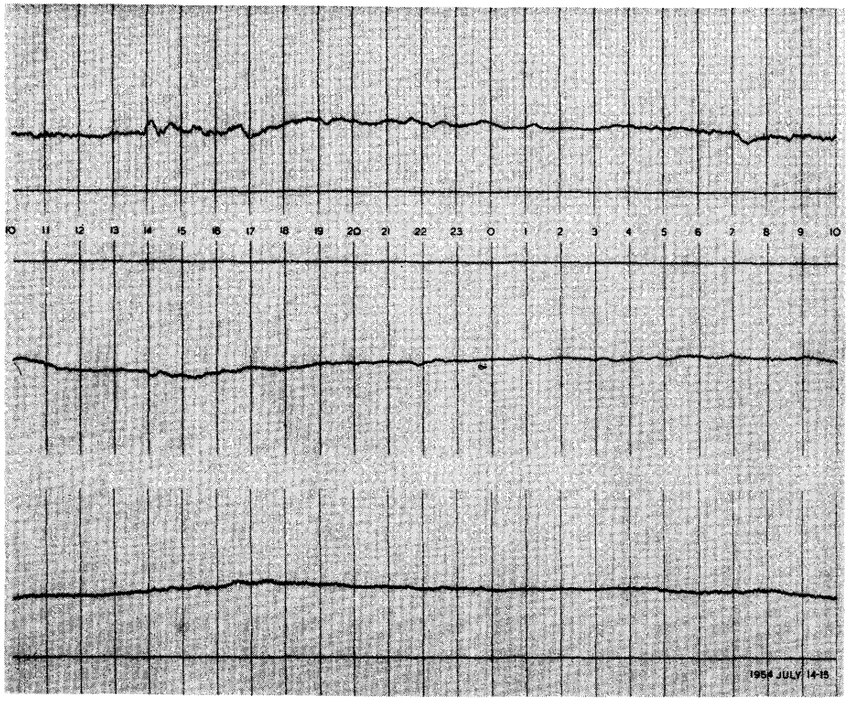


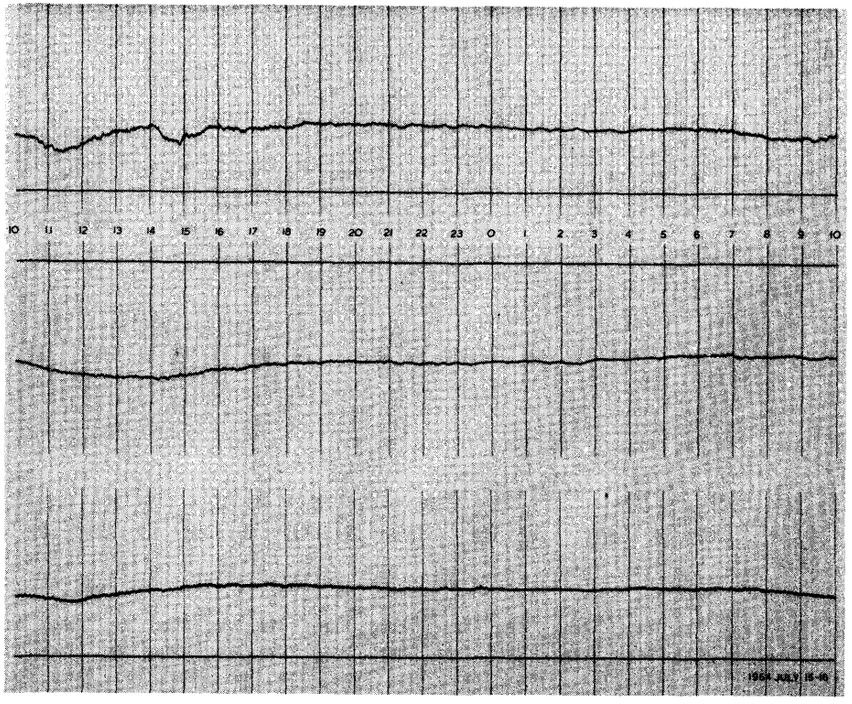


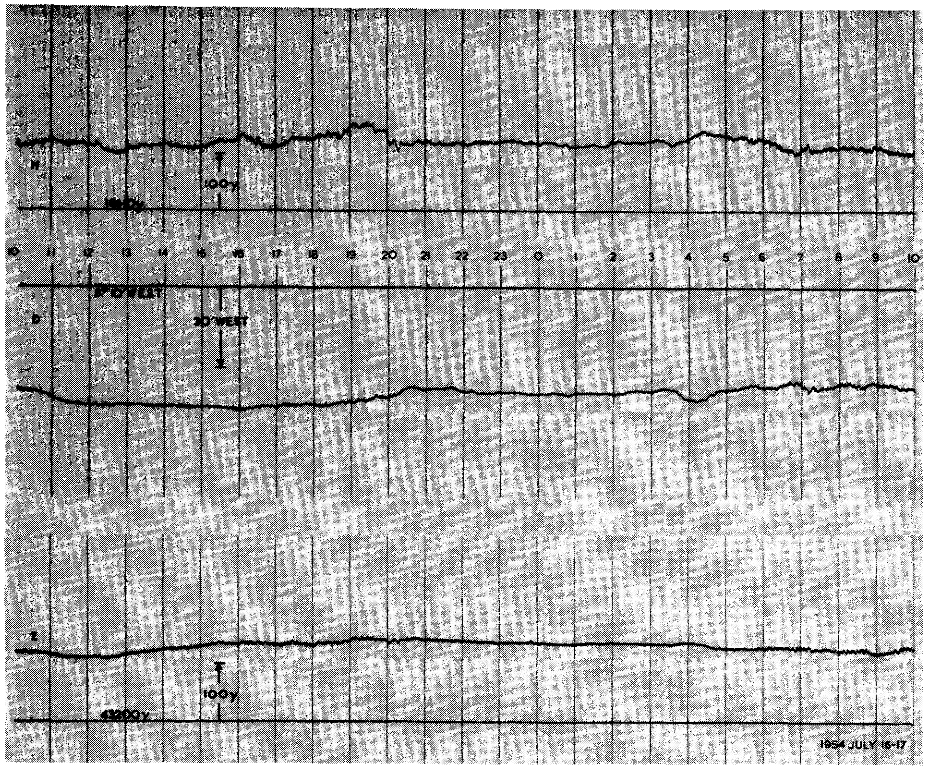
G

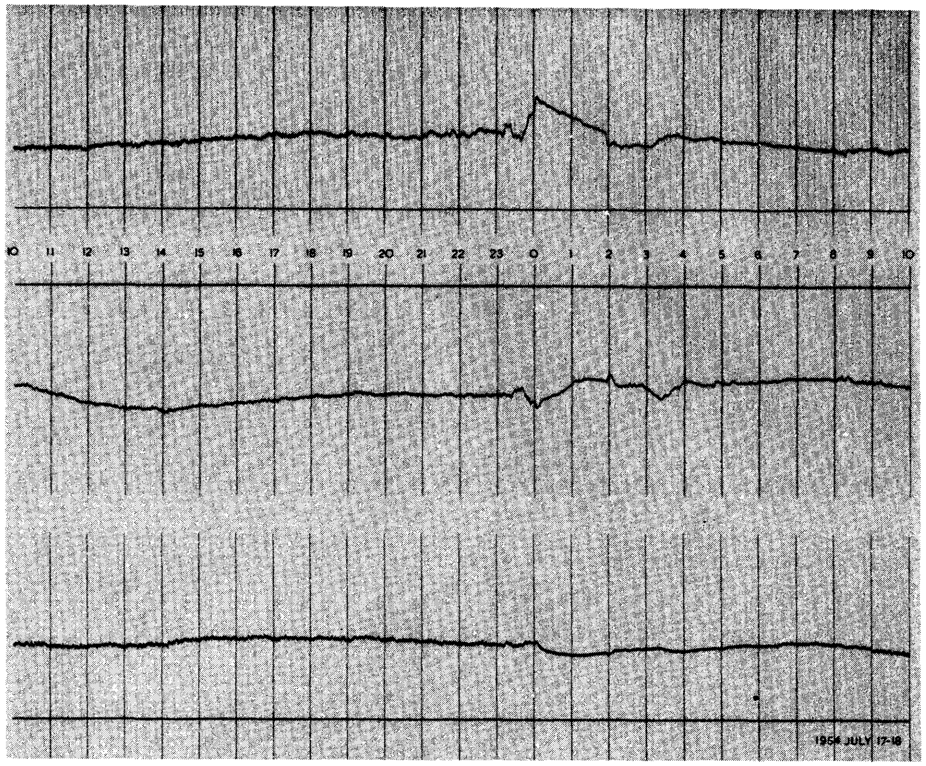

H
18610γ
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°11' WEST
D
30' WEST
Z
43300γ
100γ
1954 JULY 12-13

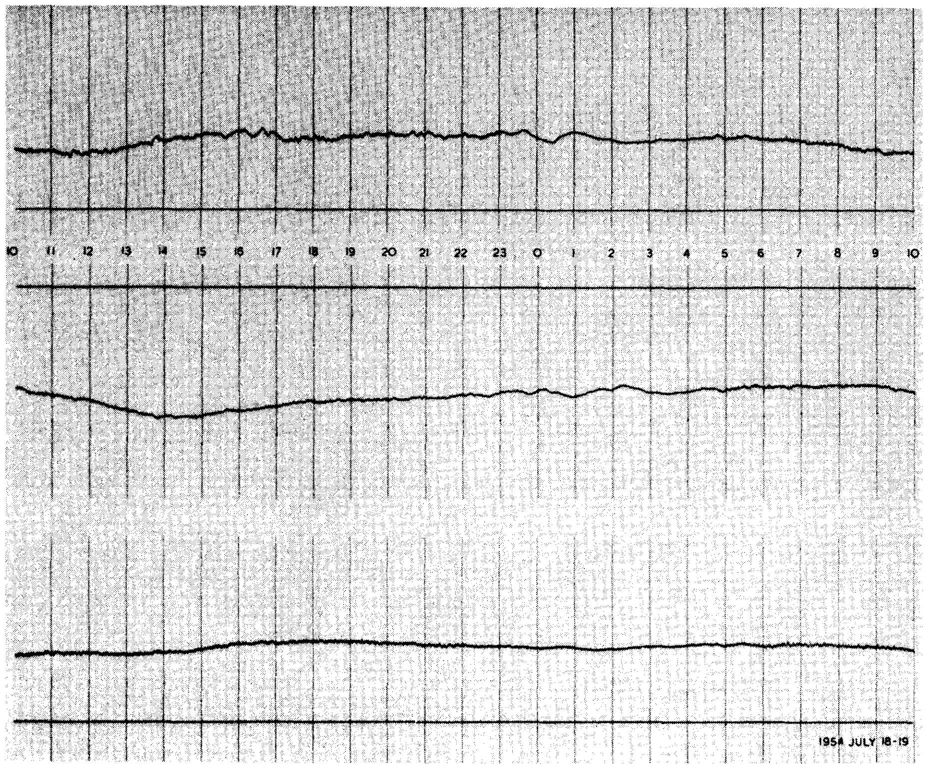

10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 JULY 13-14

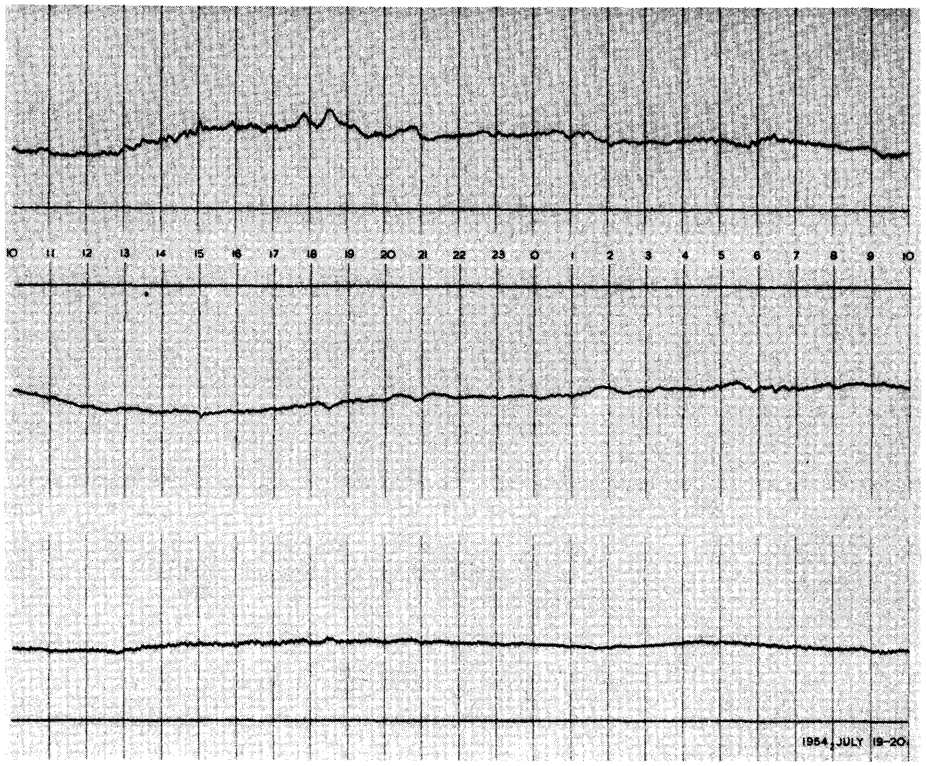

10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 JULY 14-15

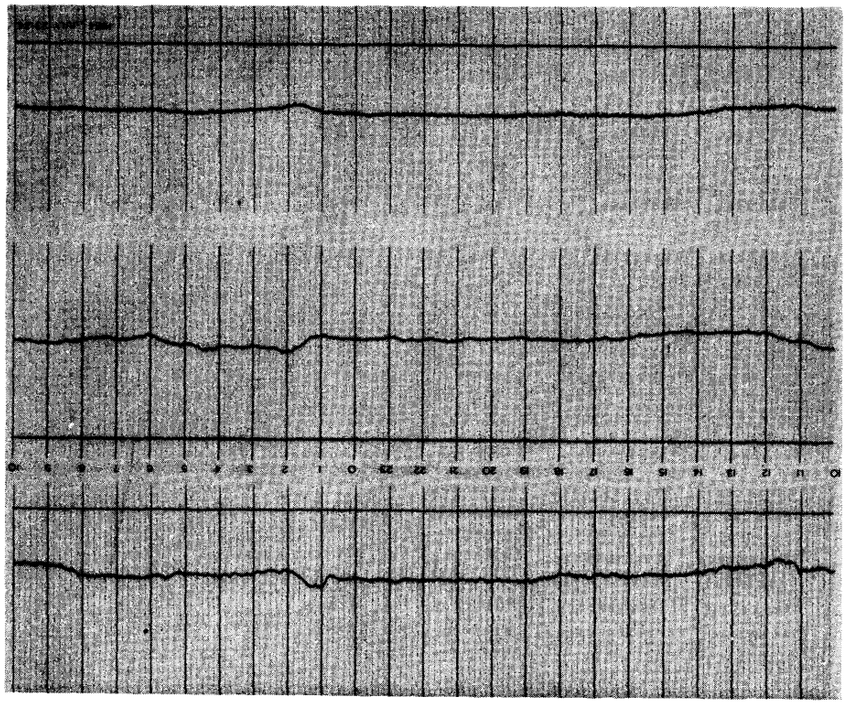

10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10

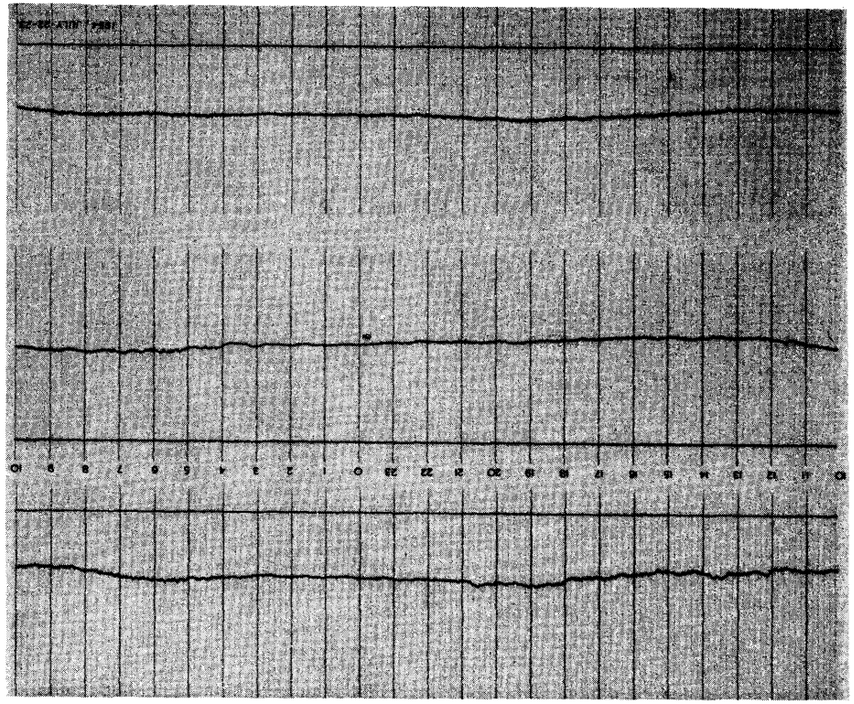

H
100γ
D
30' WEST
Z
100γ
43200γ
1954 JULY 16-17

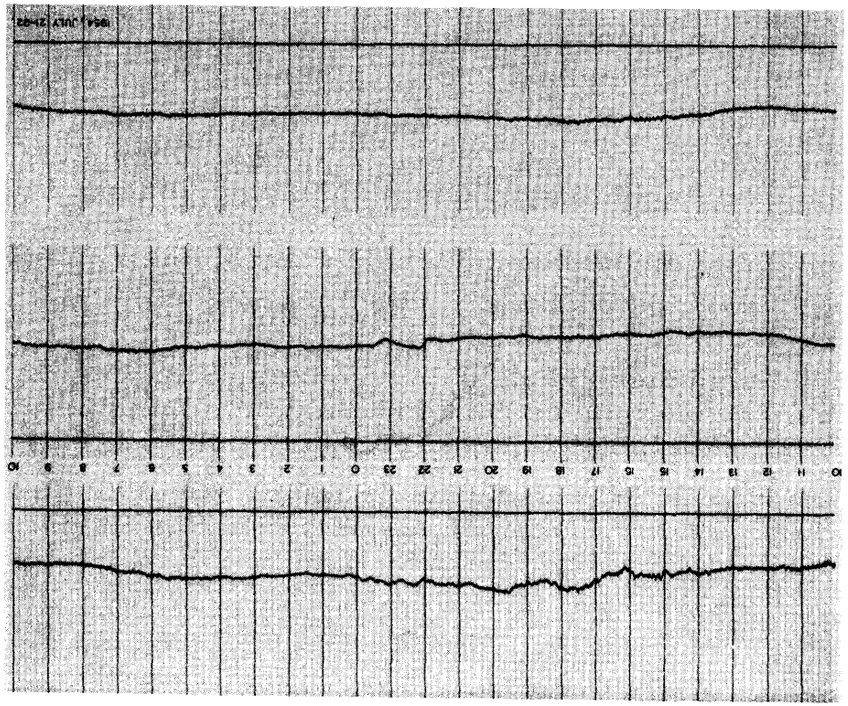

1954 JULY 17-18

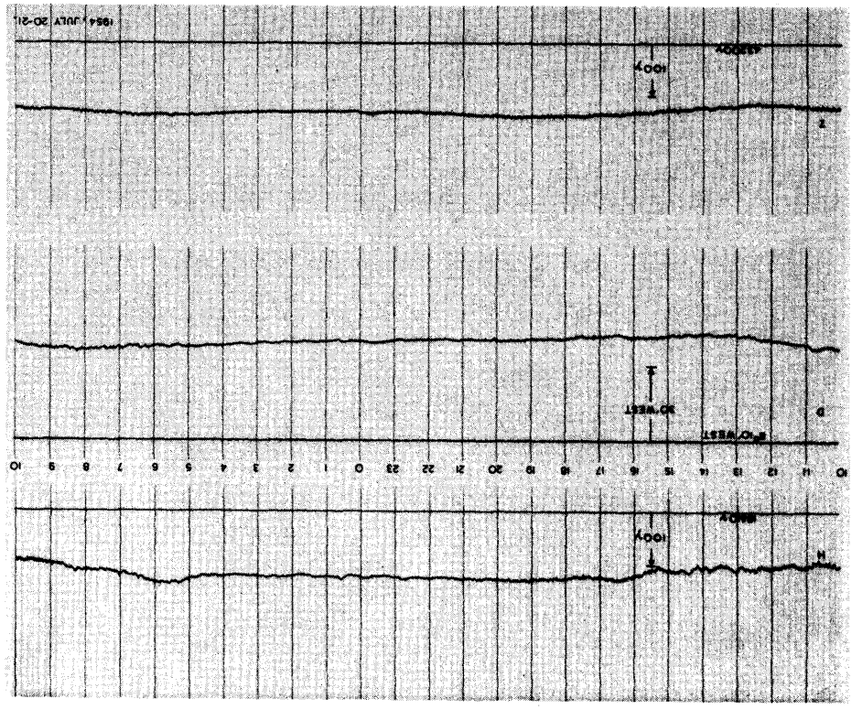

1954 JULY 18-19

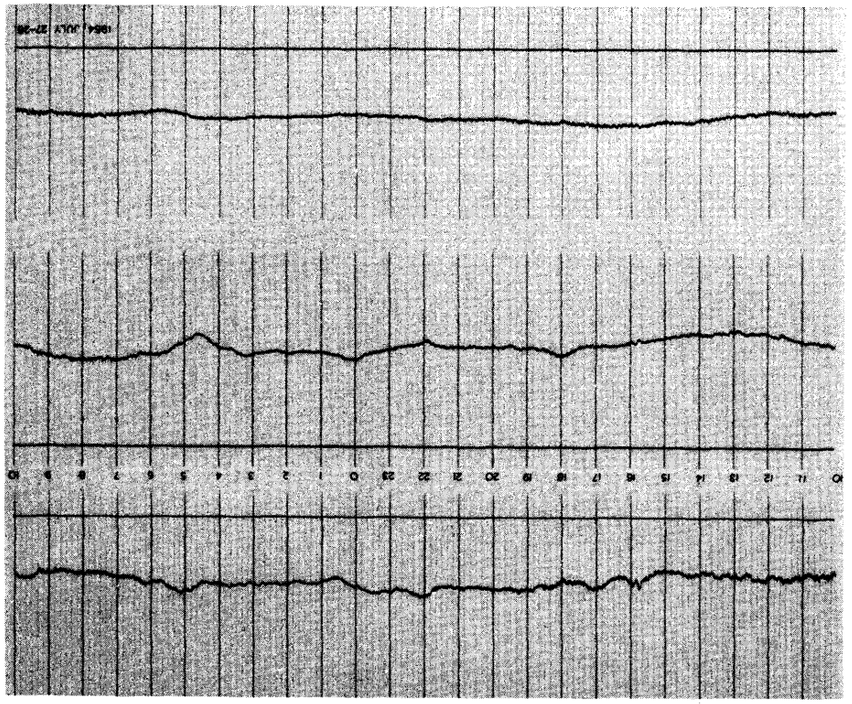

1954 JULY 19-20

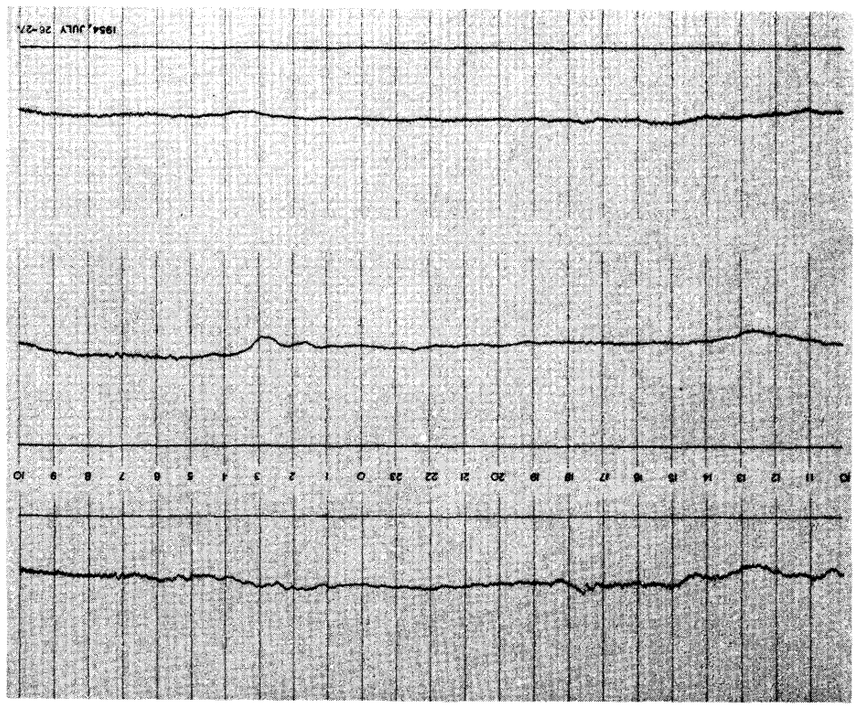


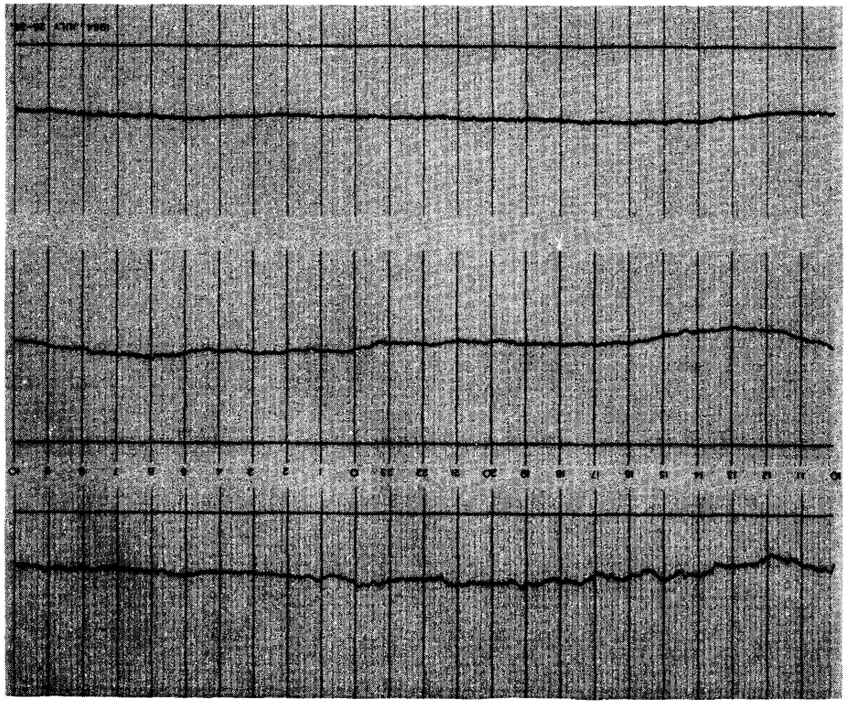


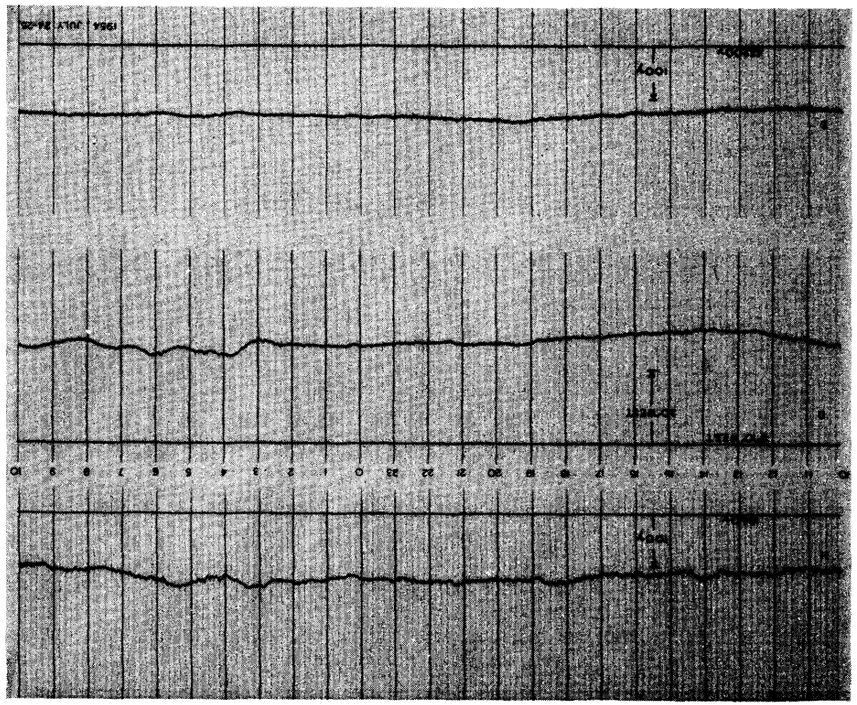


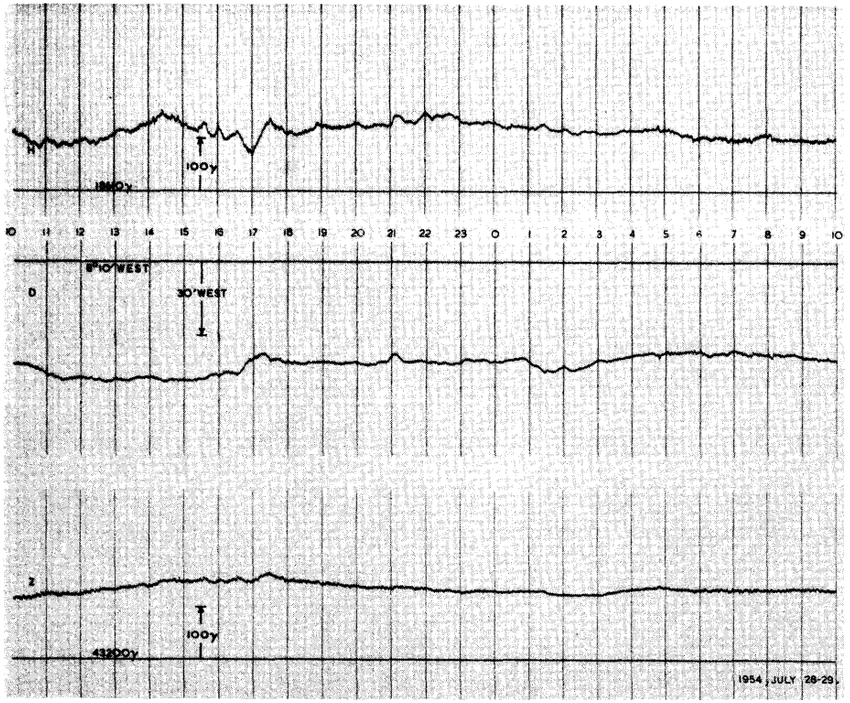


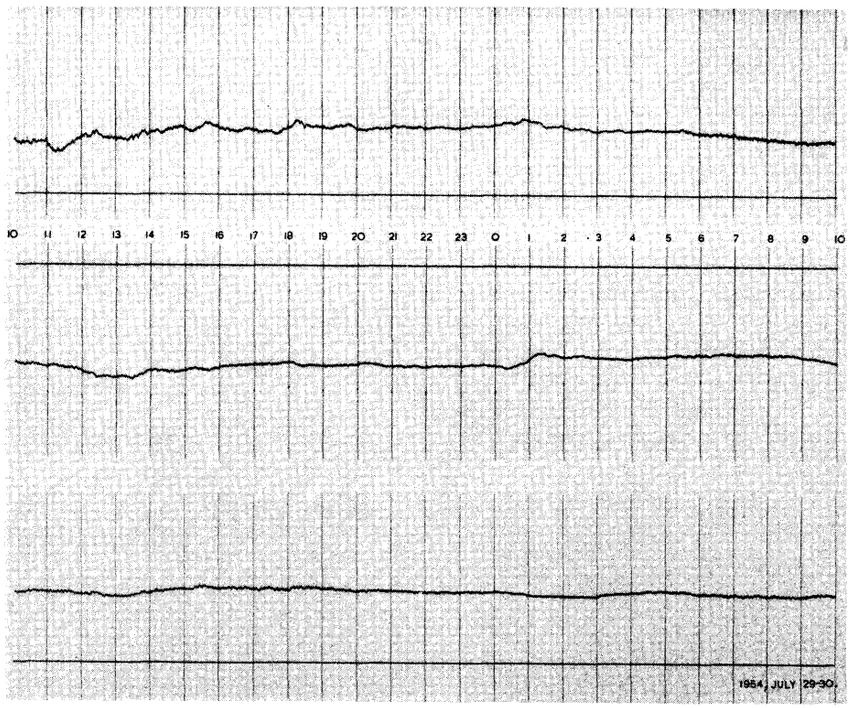









H
100γ
18400γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
6°10' WEST
D
30' WEST
Z
100γ
43200γ
1954, JULY 28-29.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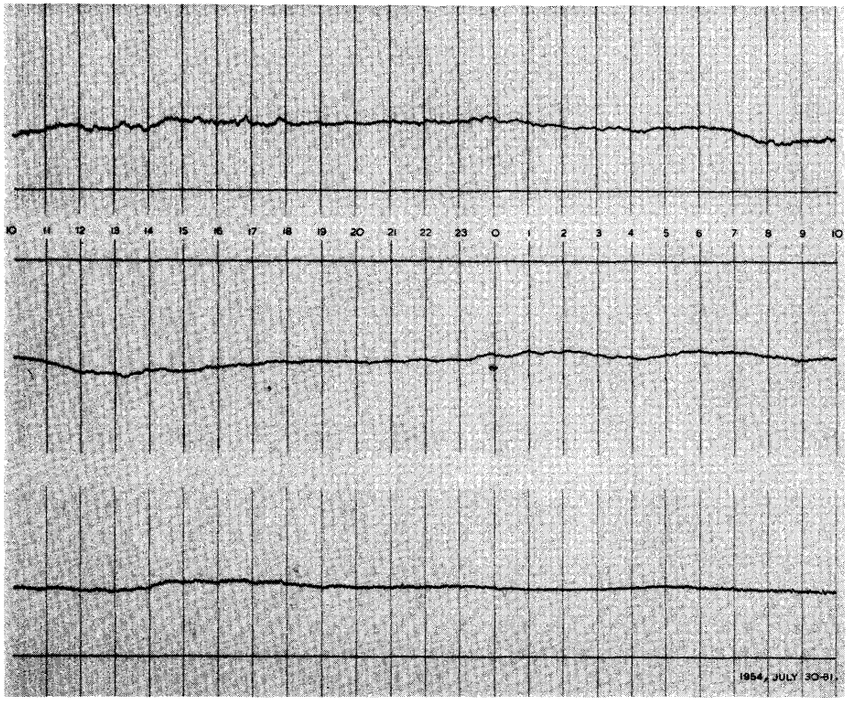
1954, JULY 29-30.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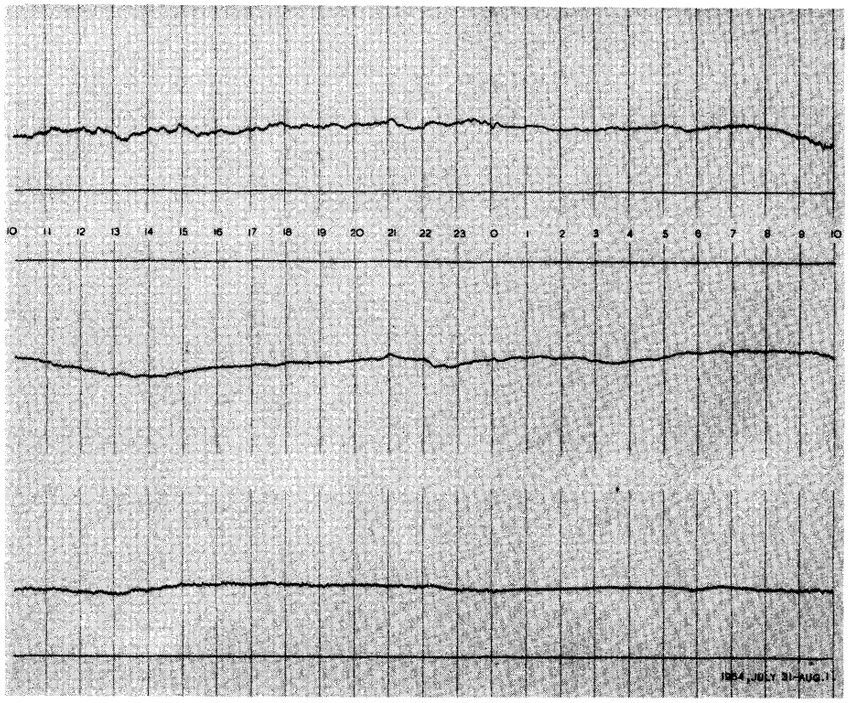
1954, JULY 30-31.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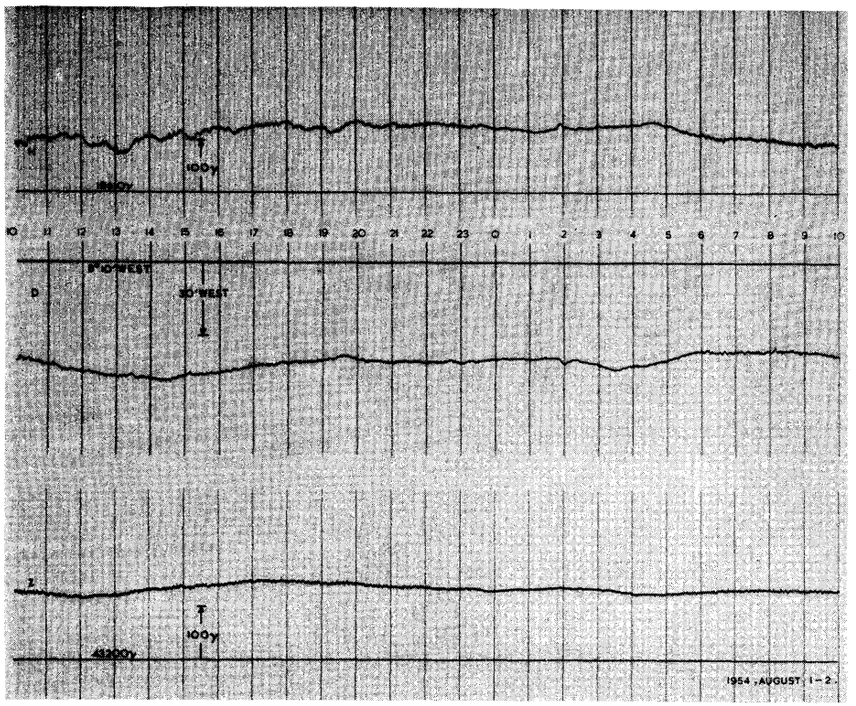
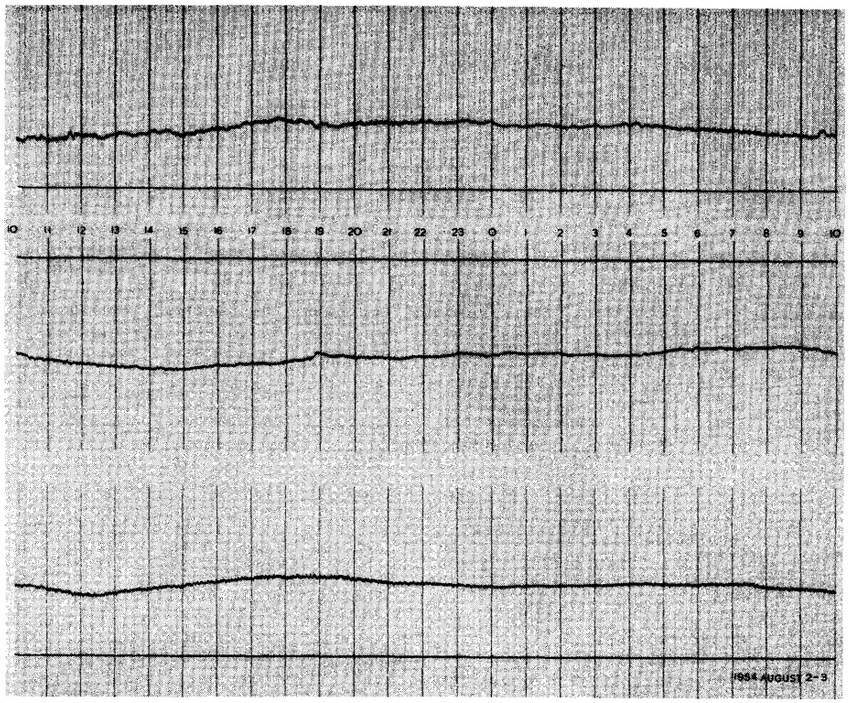
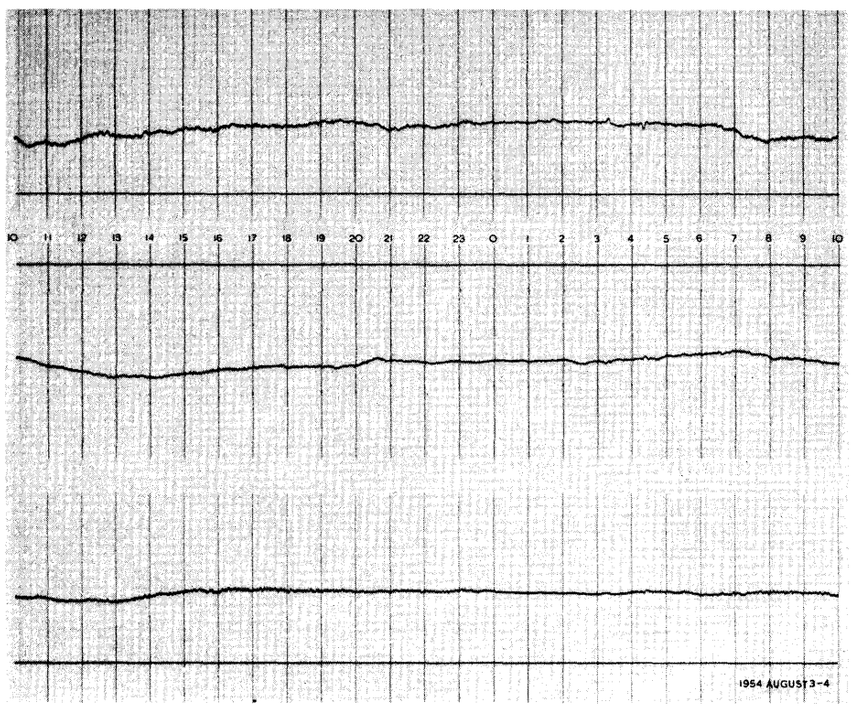
1954, JULY 31-AUG. 1


H
100γ
18400γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°-0" WEST
D
20' WEST
Z
100γ
43200γ
1954 AUGUST 1-2


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 AUGUST 2-3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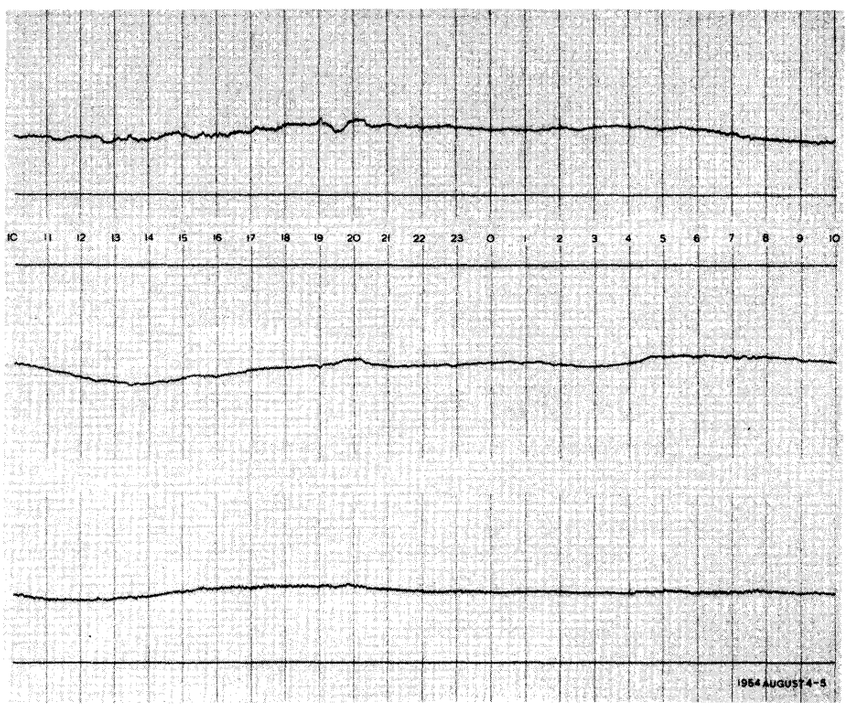
1954 AUGUST 3-4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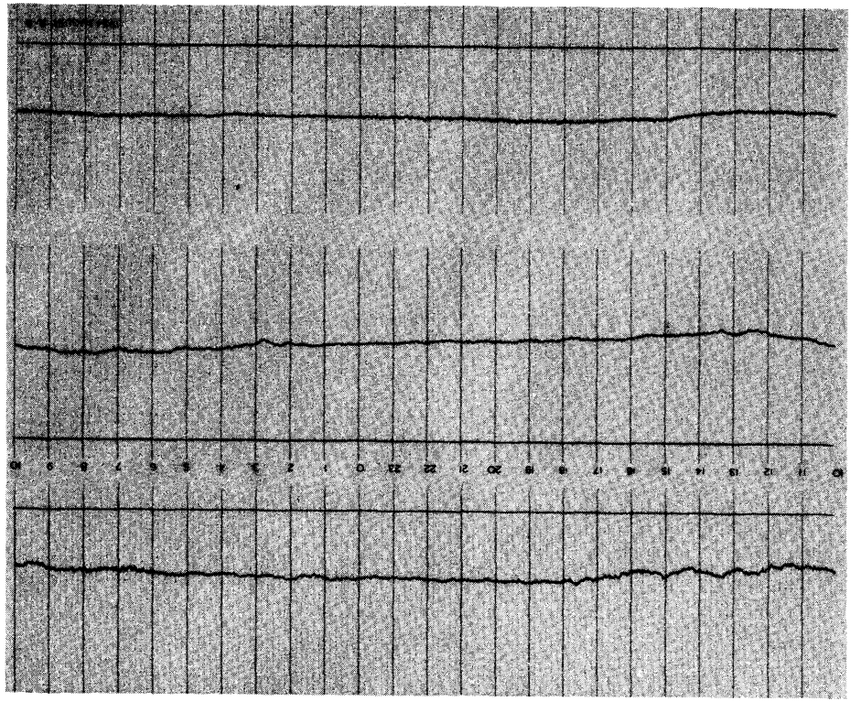
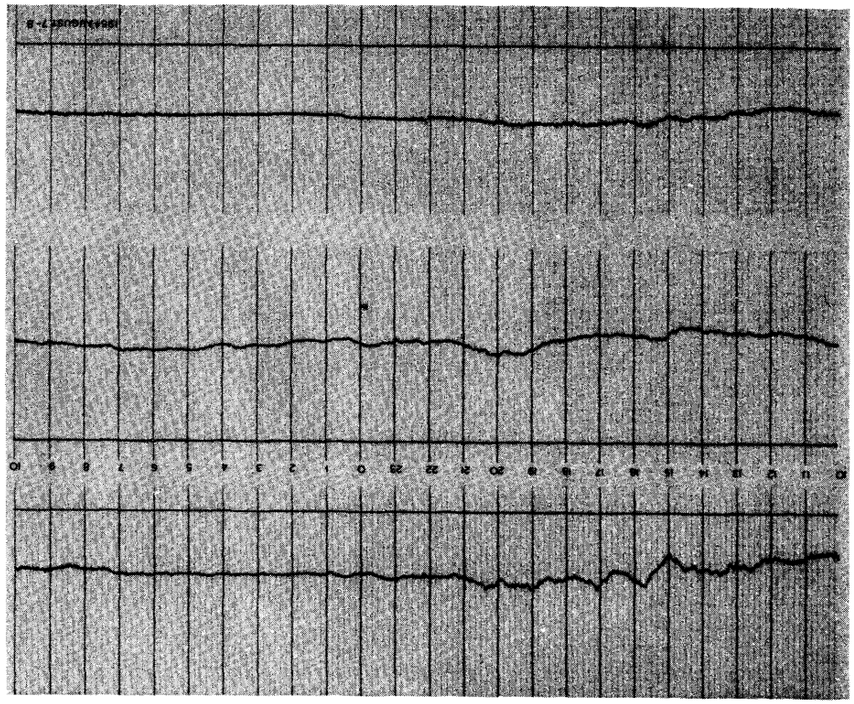
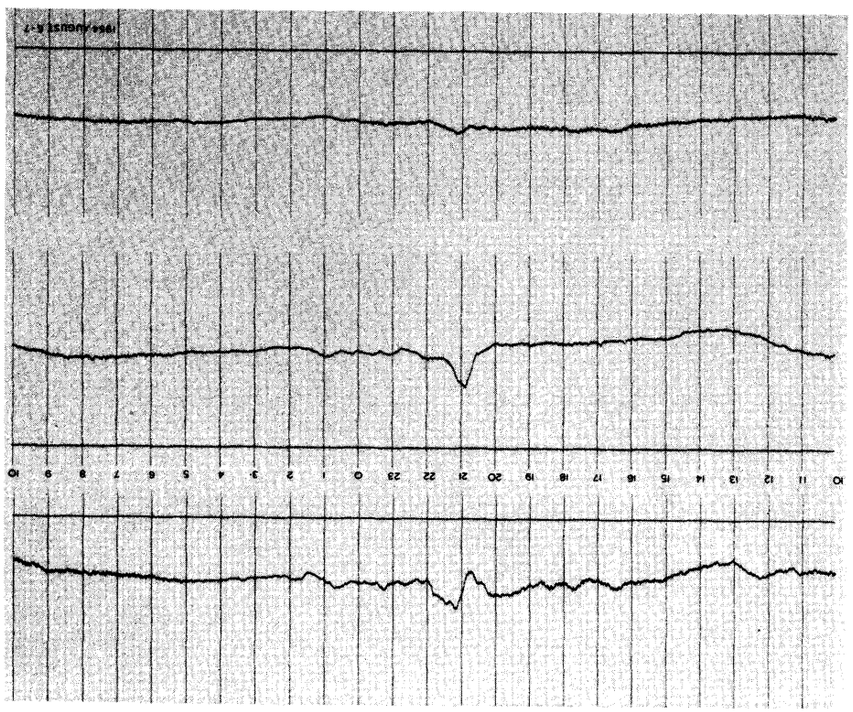
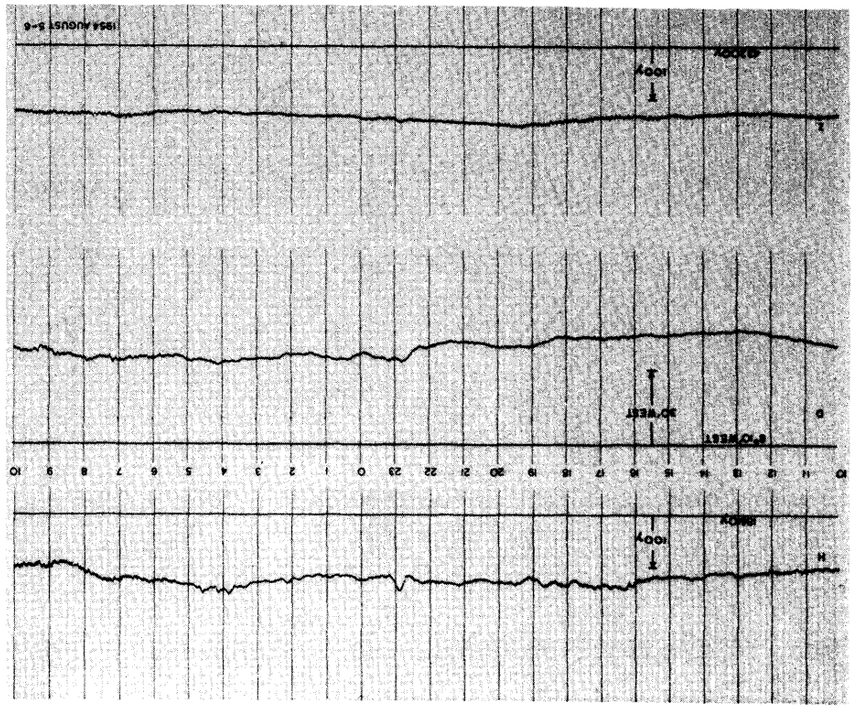
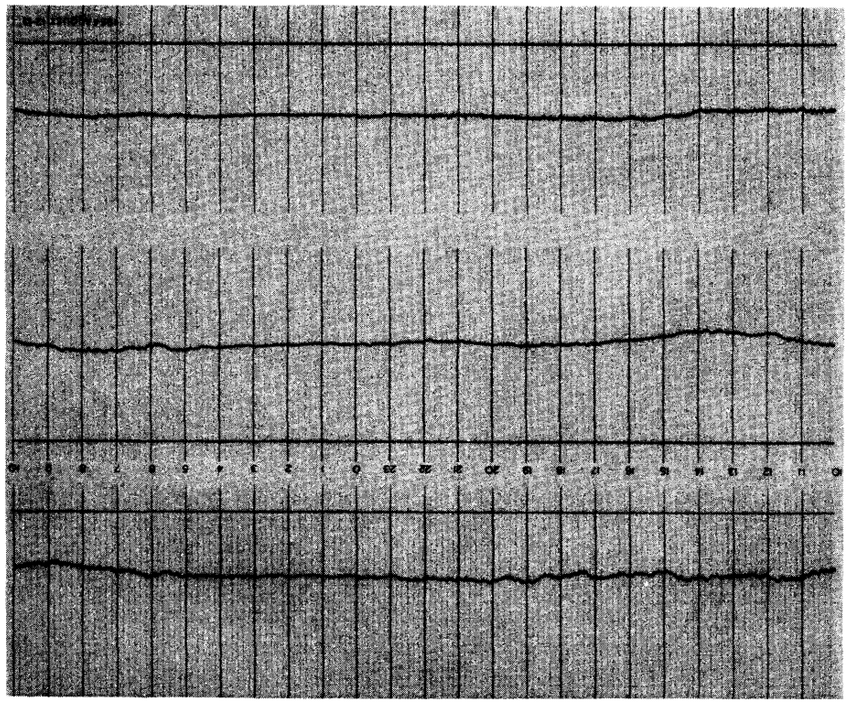
1954 AUGUST 4-5

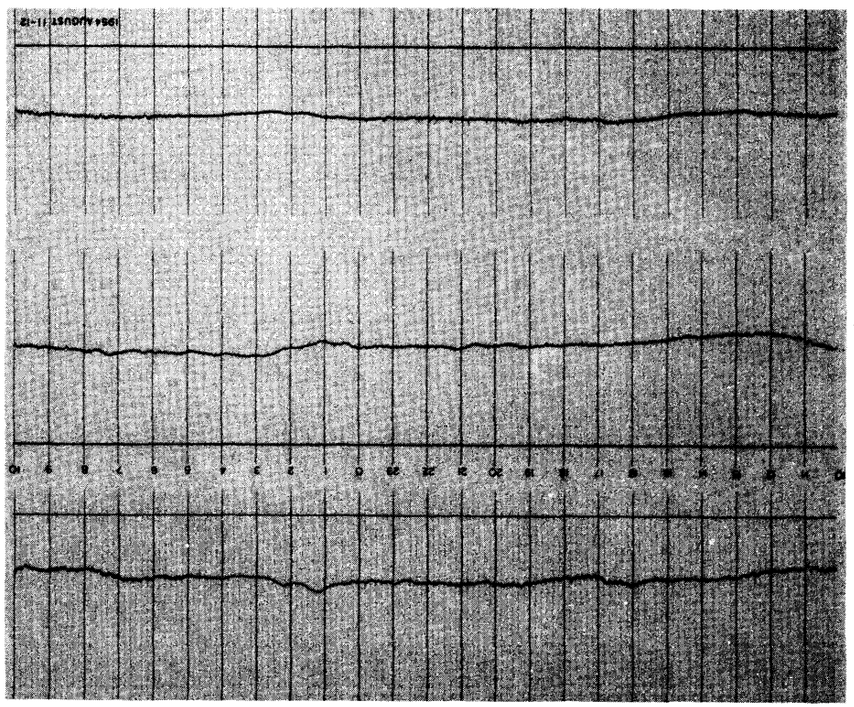


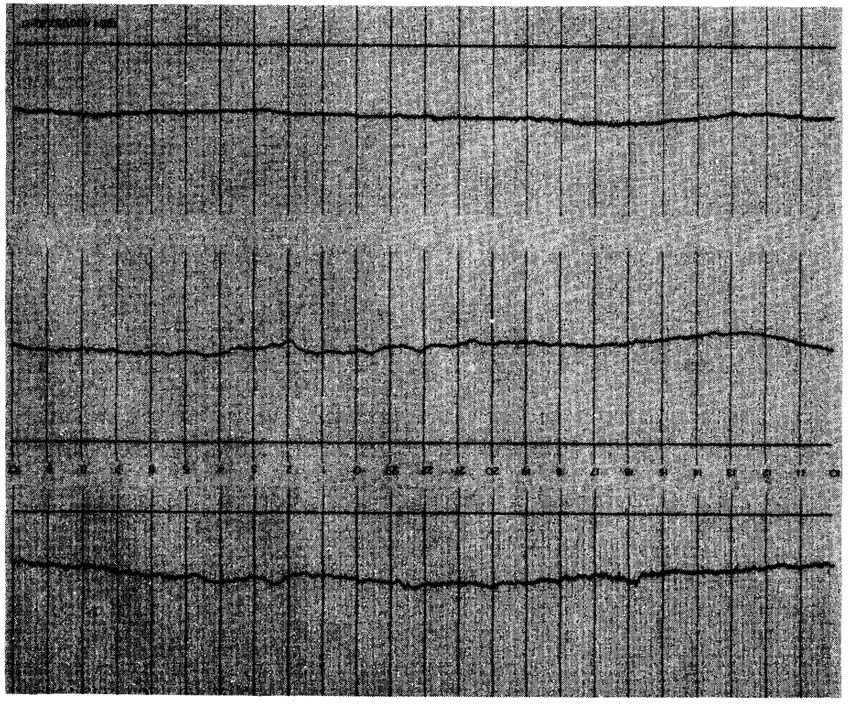


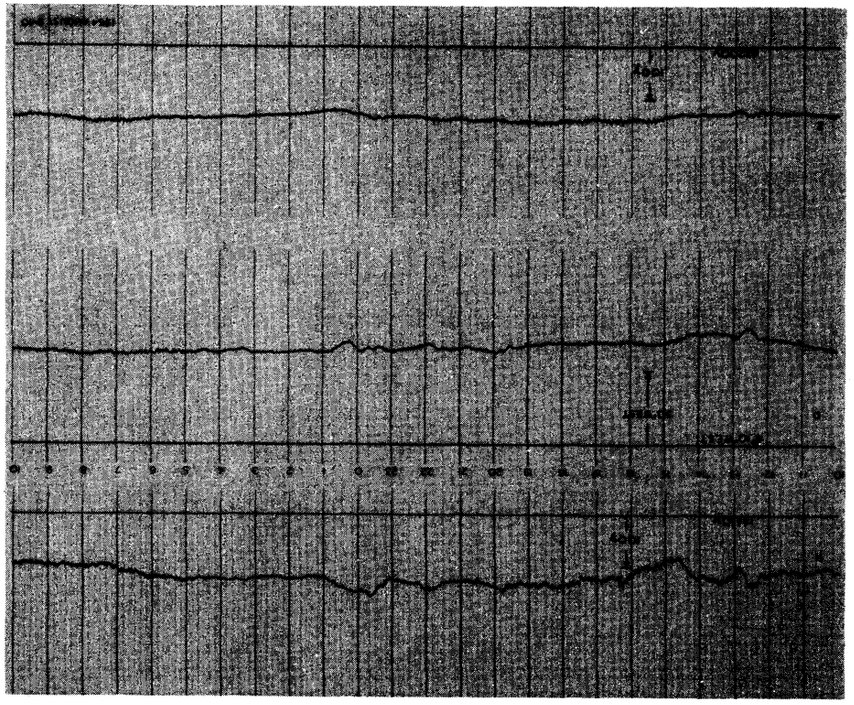


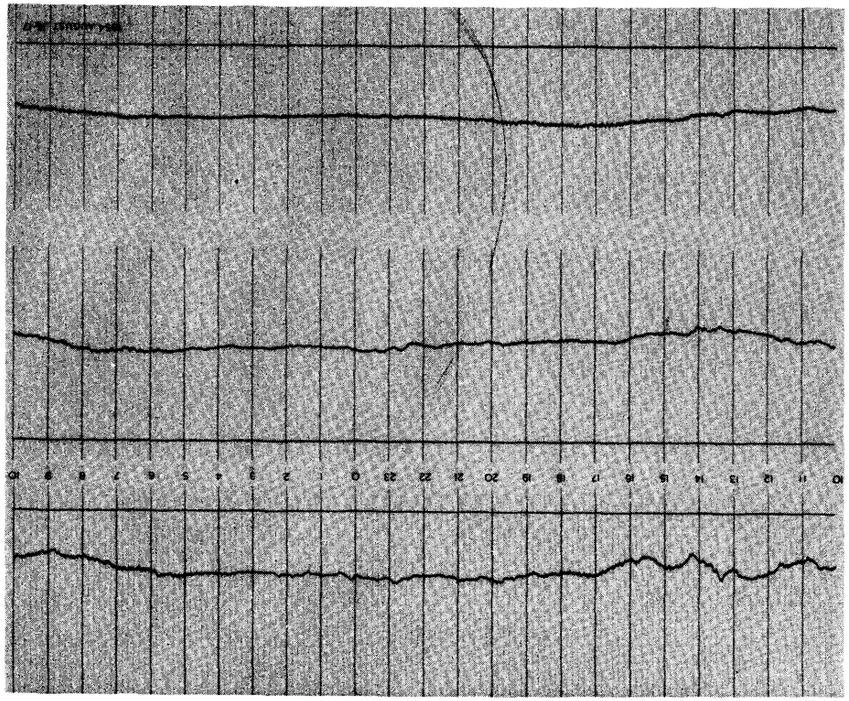


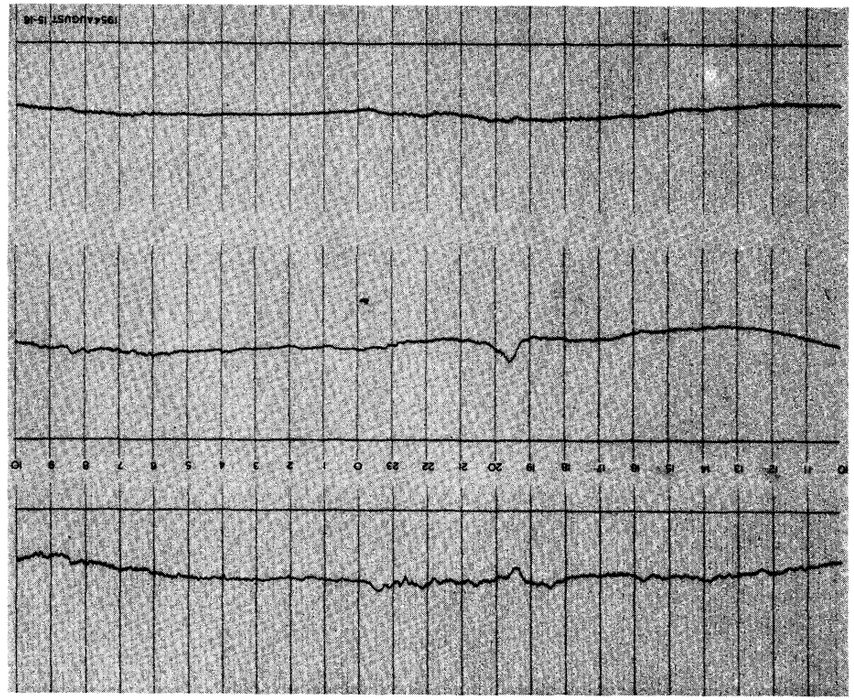


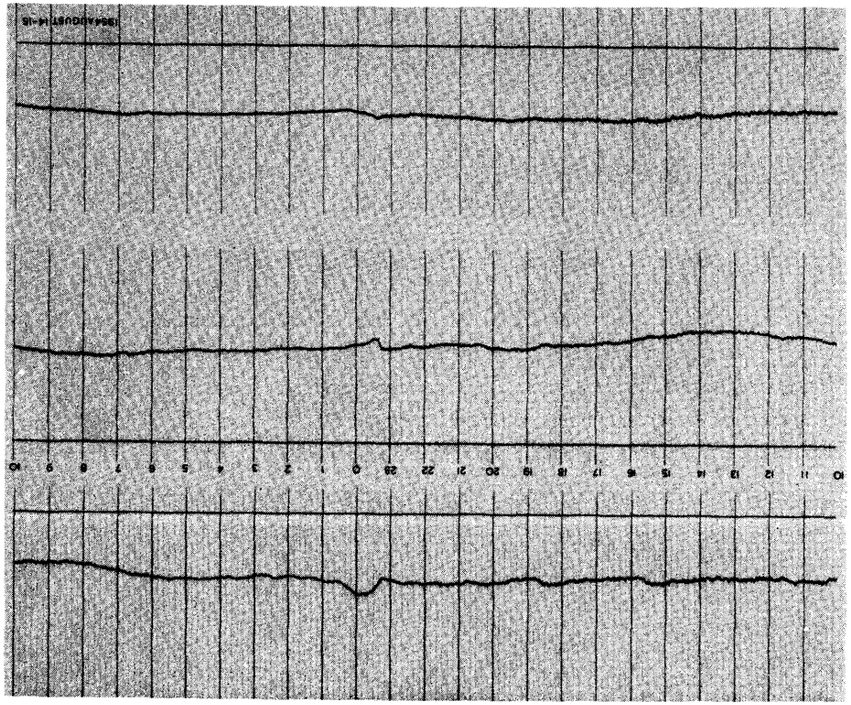


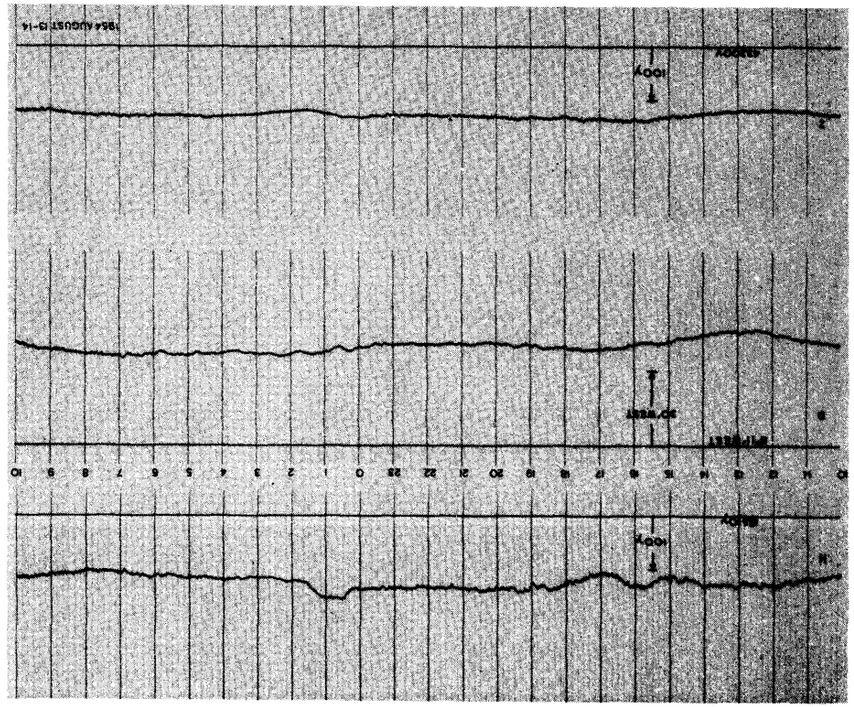


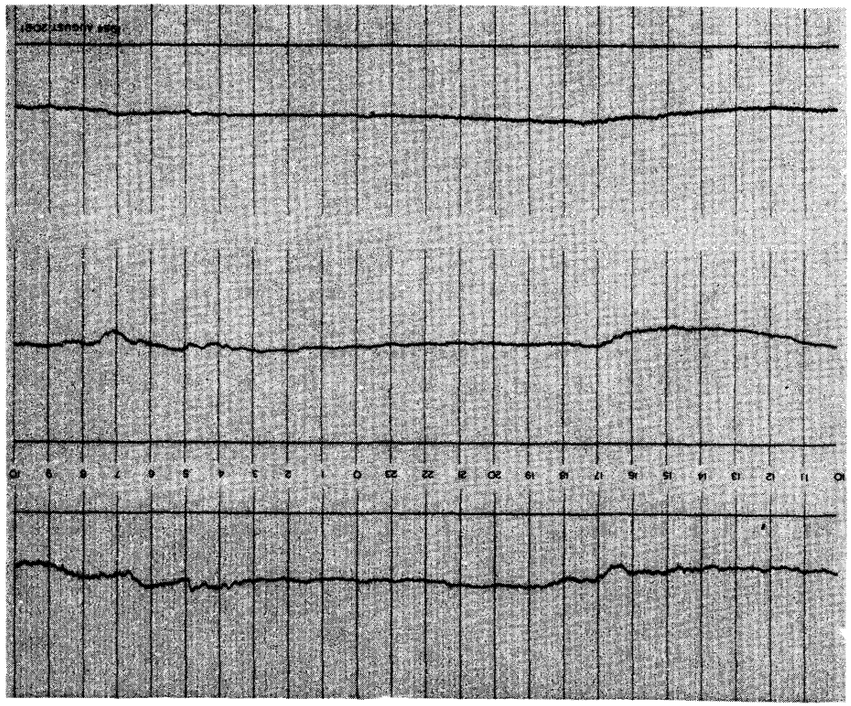


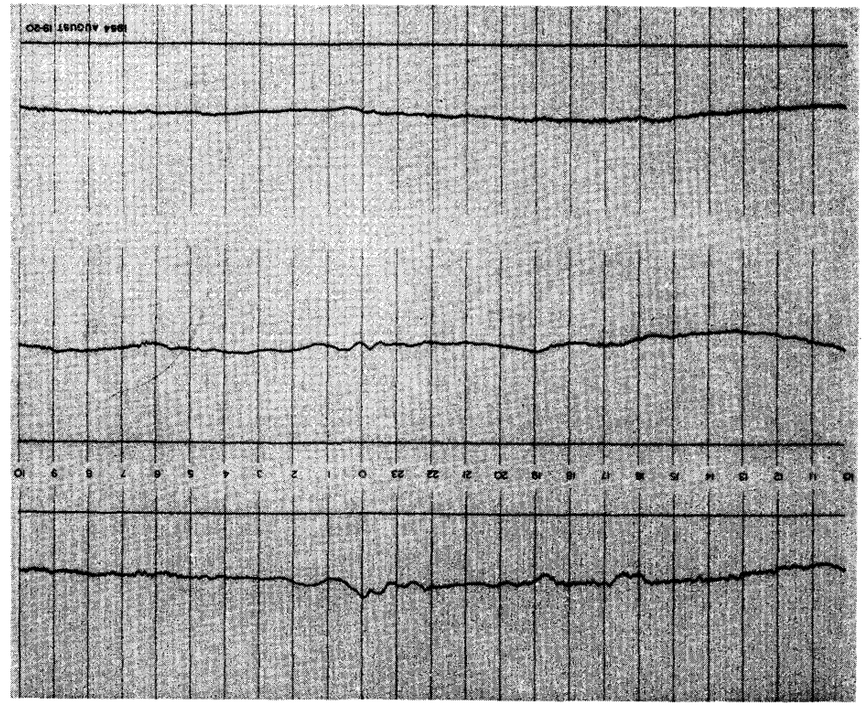


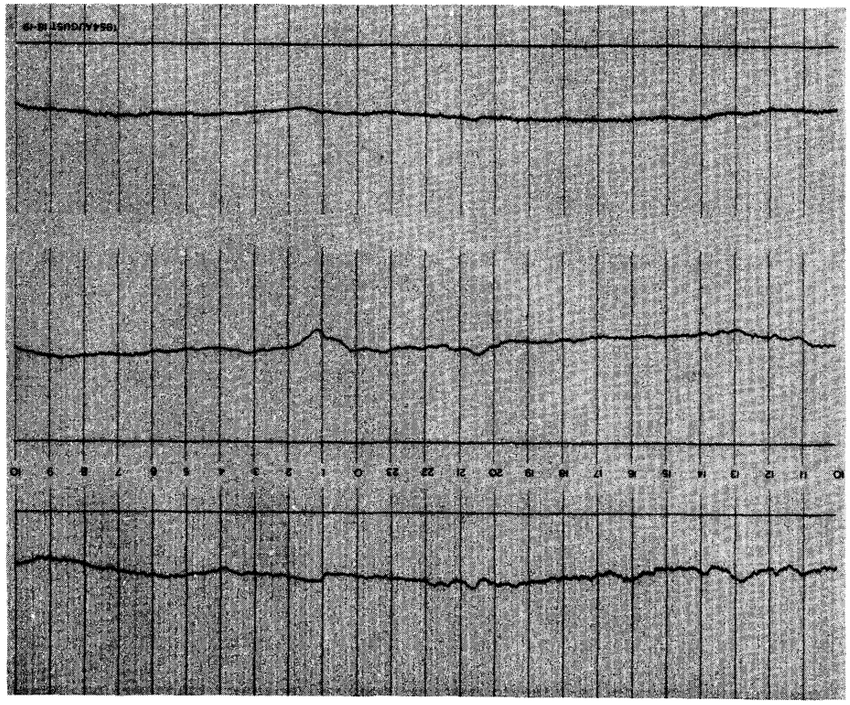


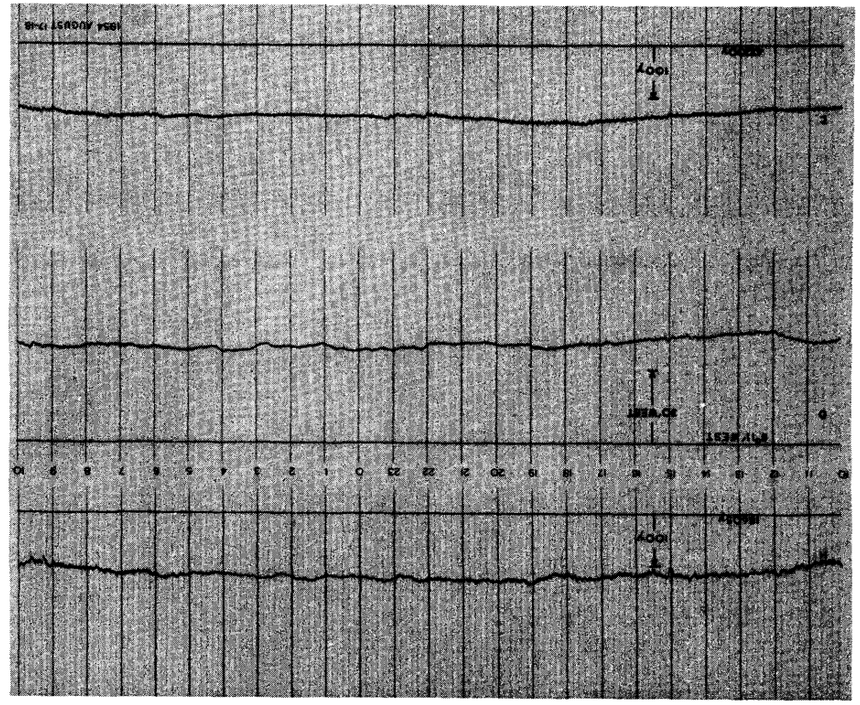


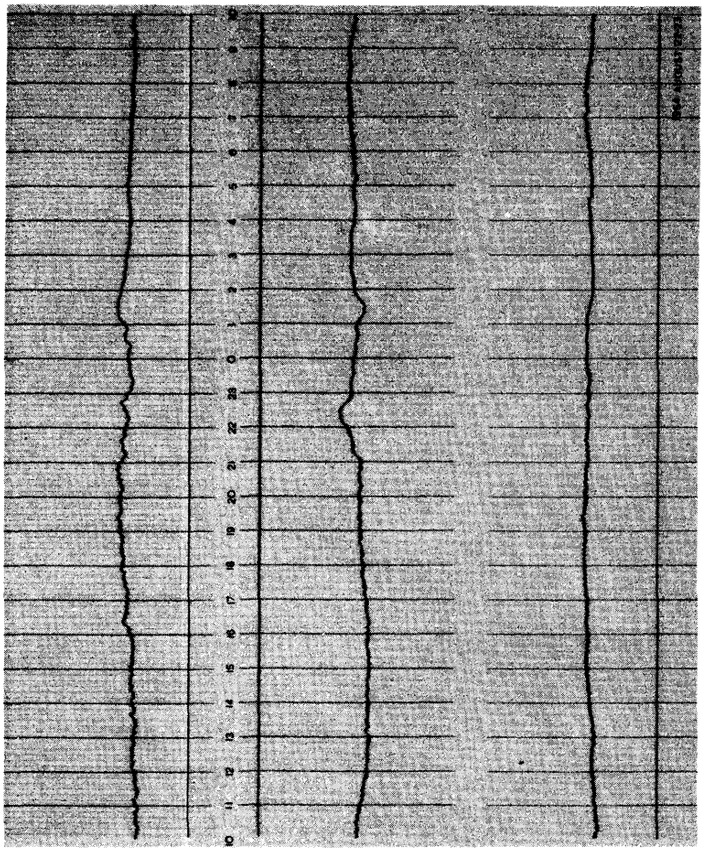


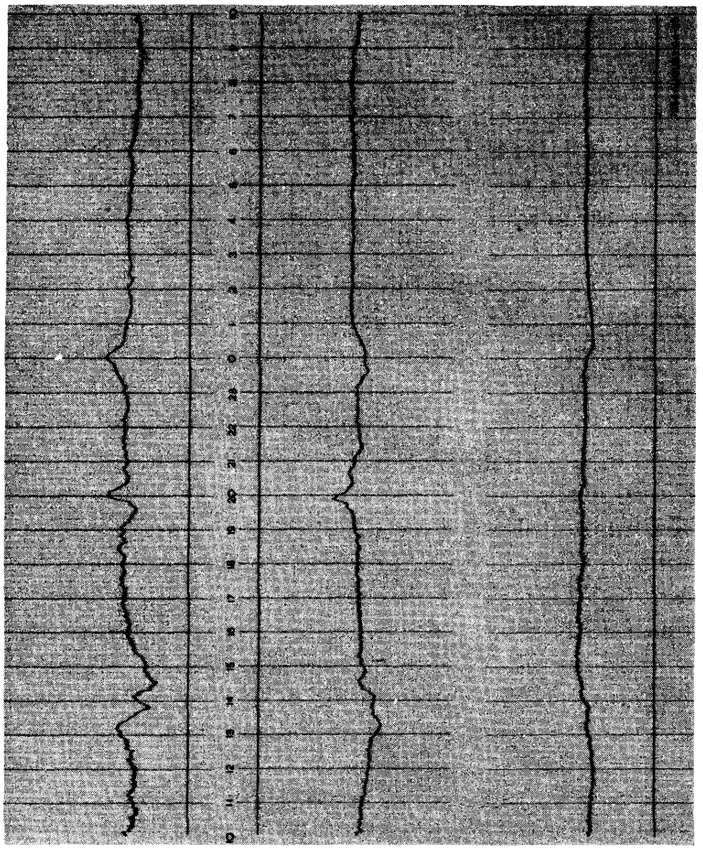


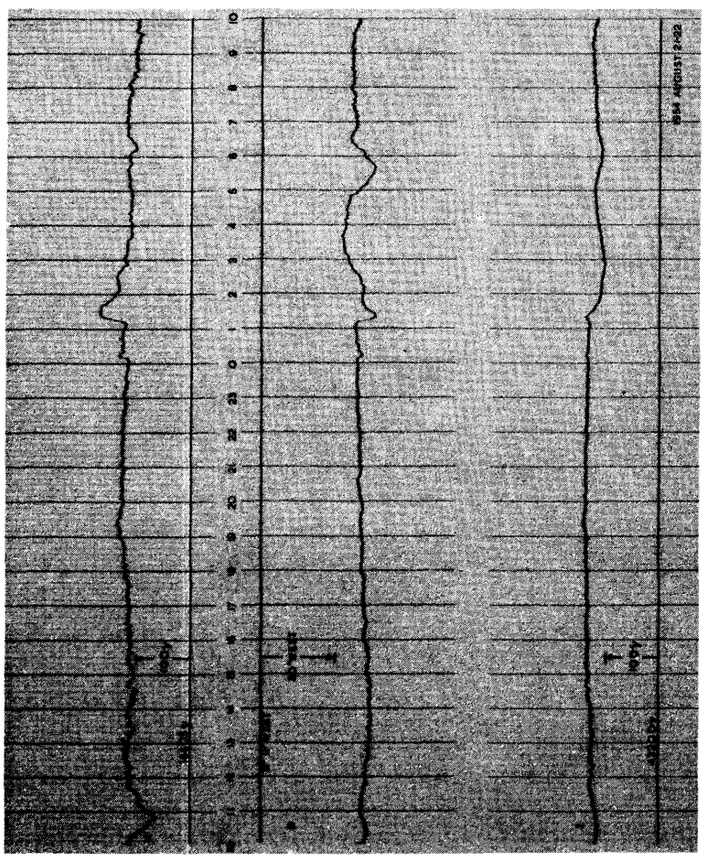


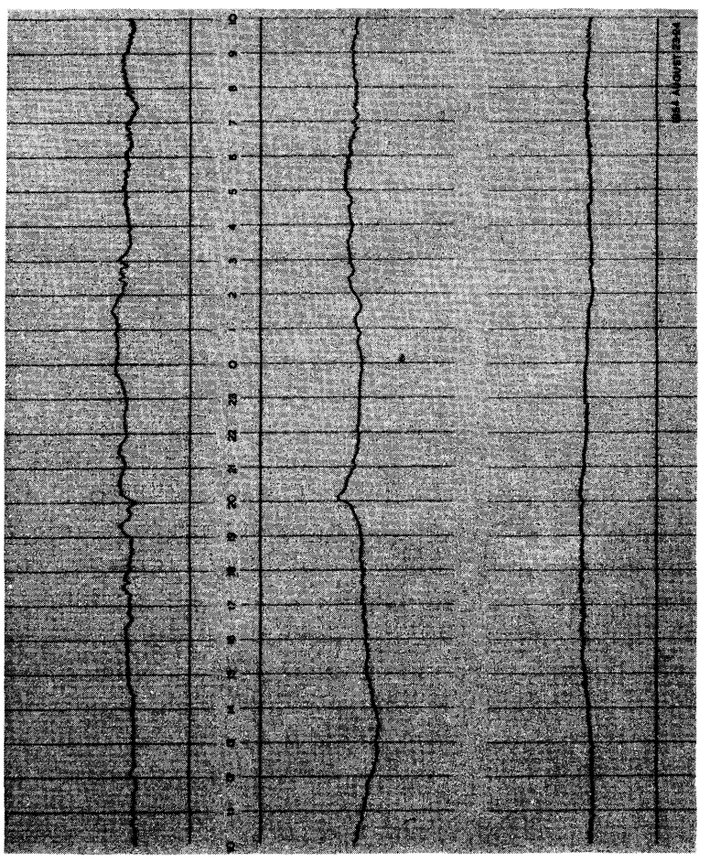


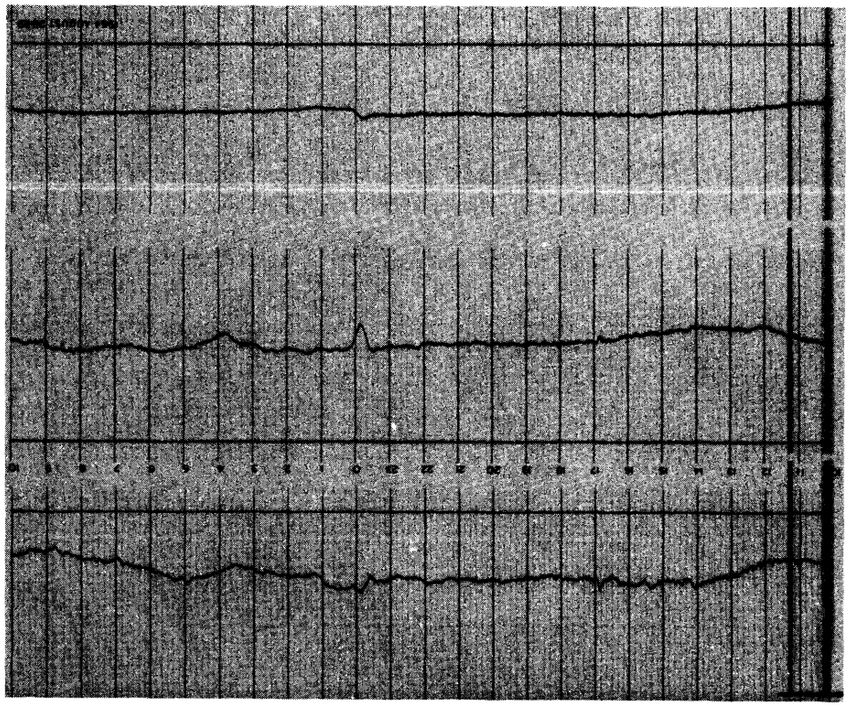


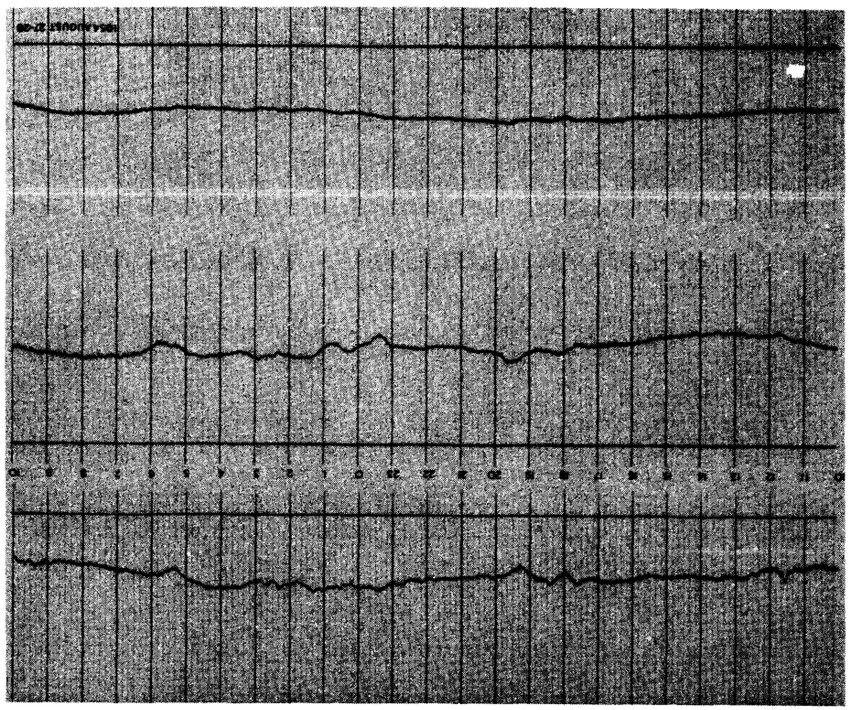


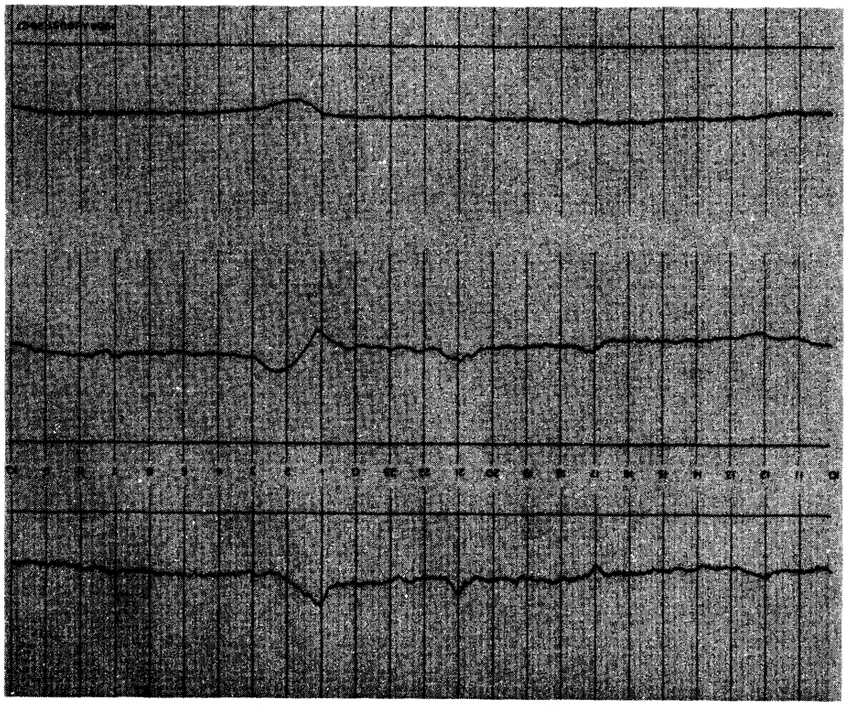


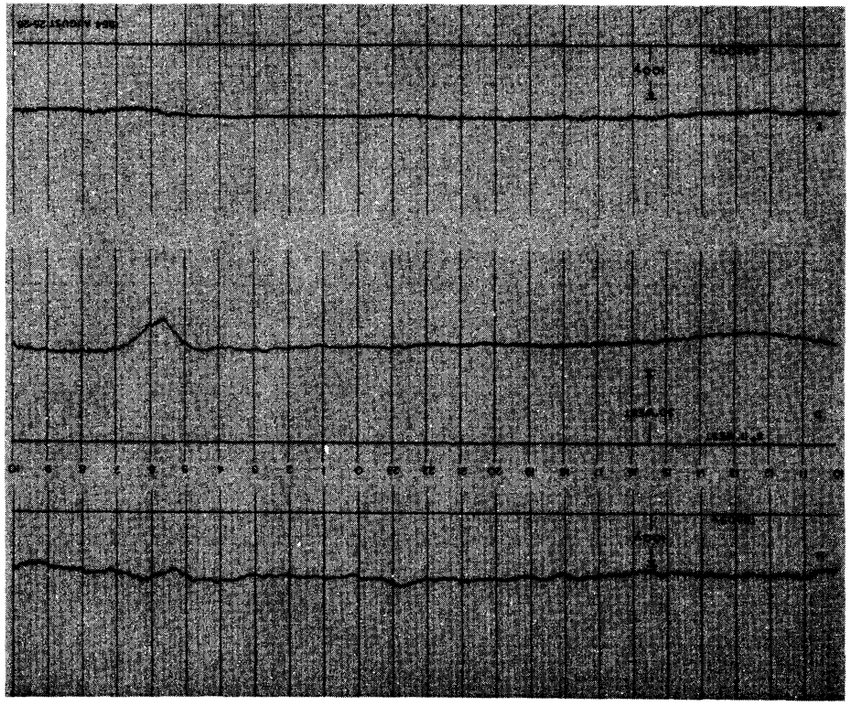






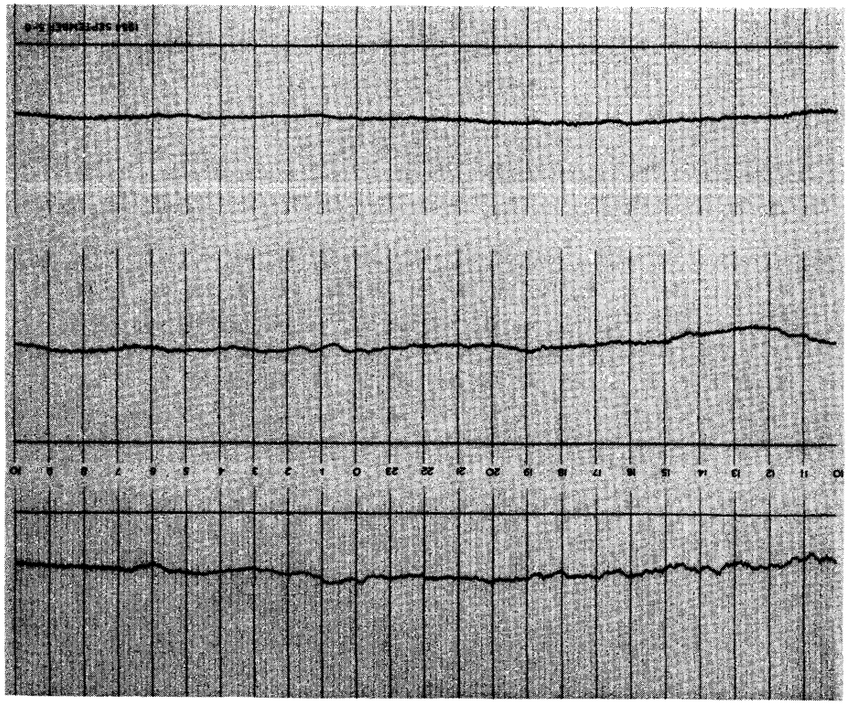


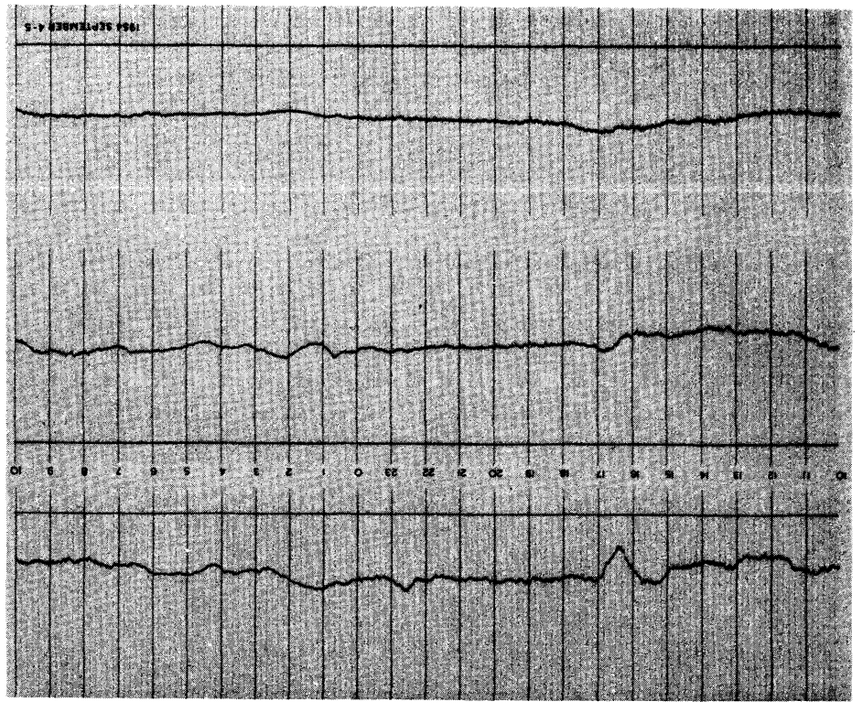


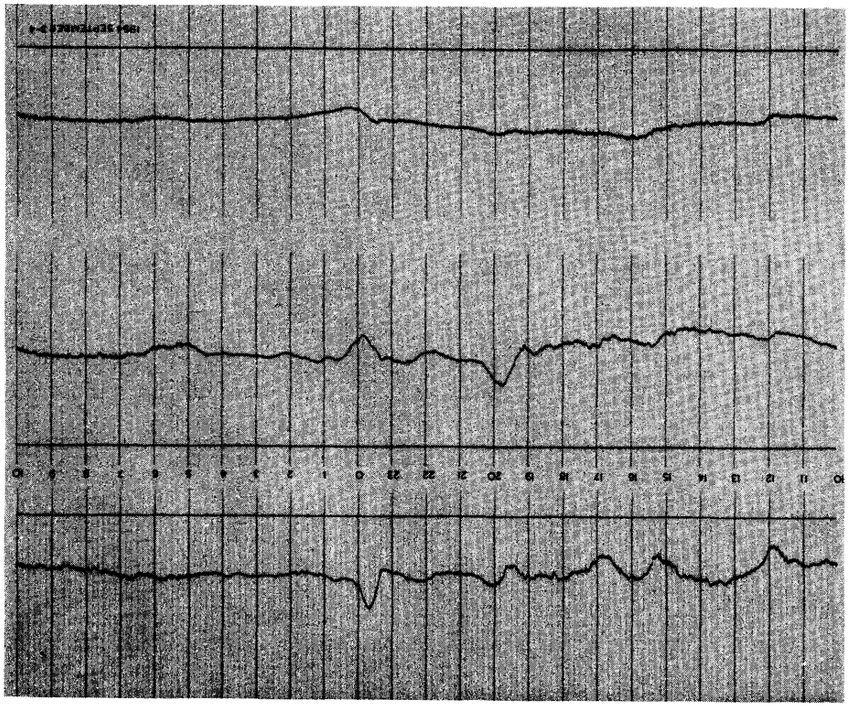


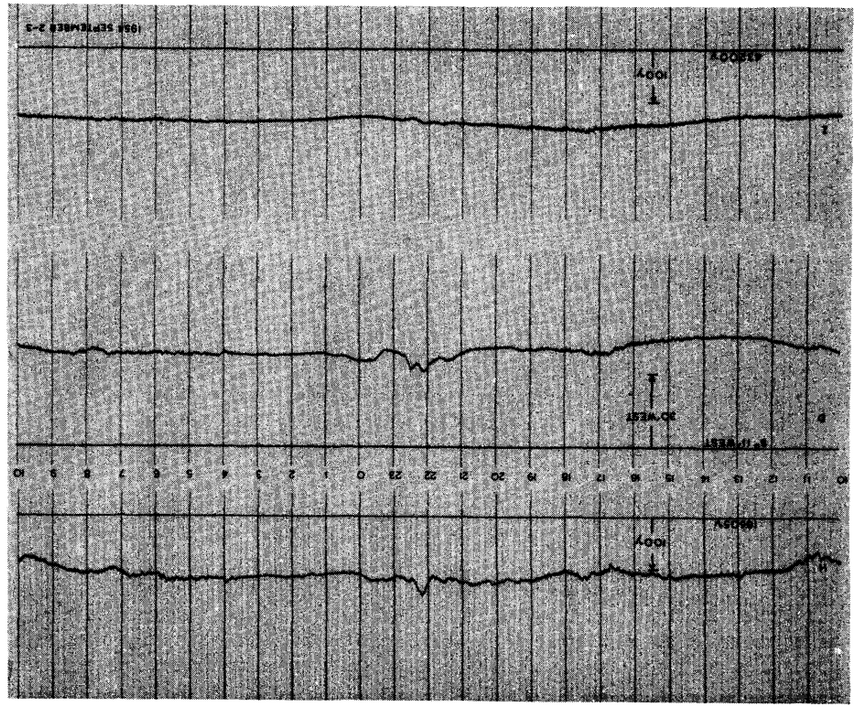
1954 AUGUST 31 - SEPTEMBER 1
H
D
Z
100γ
400γ

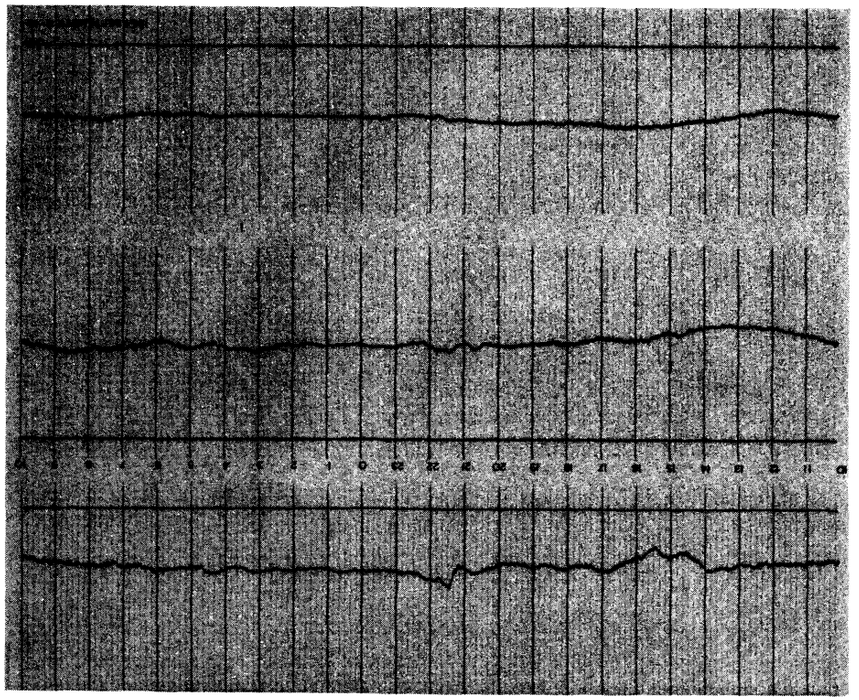
1954 AUGUST 31 - SEPTEMBER 1
H
D
Z
100γ
400γ

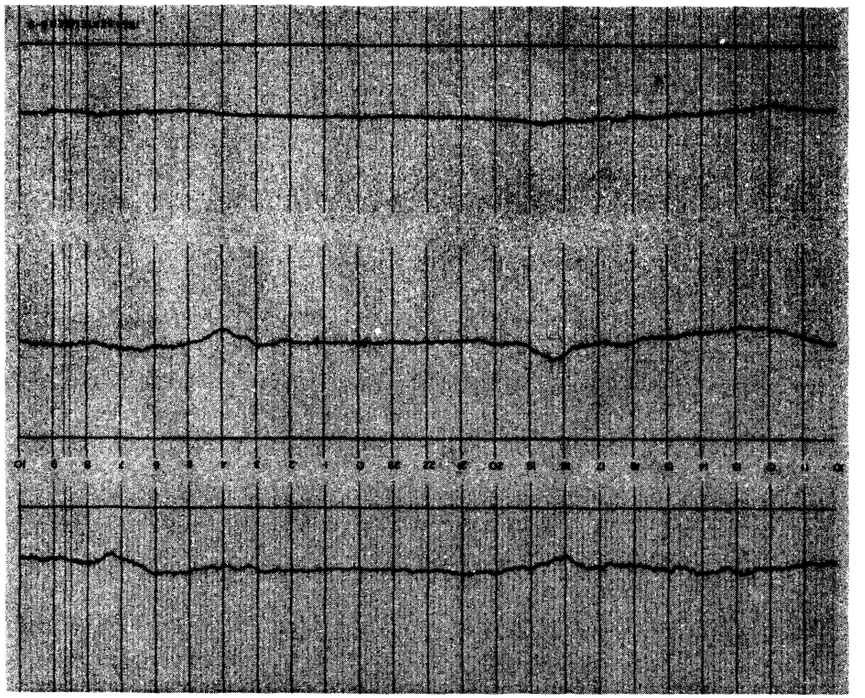


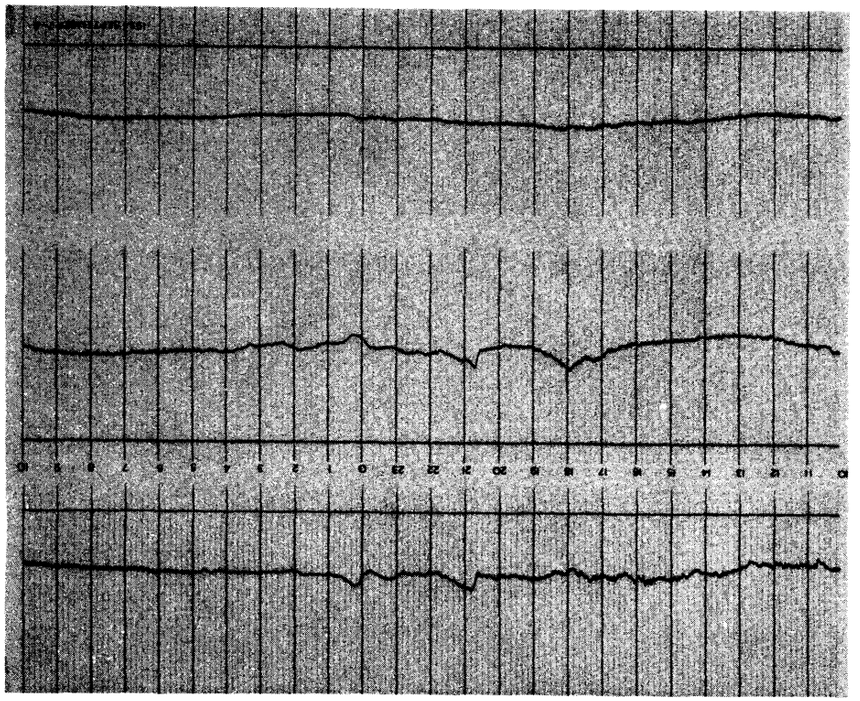


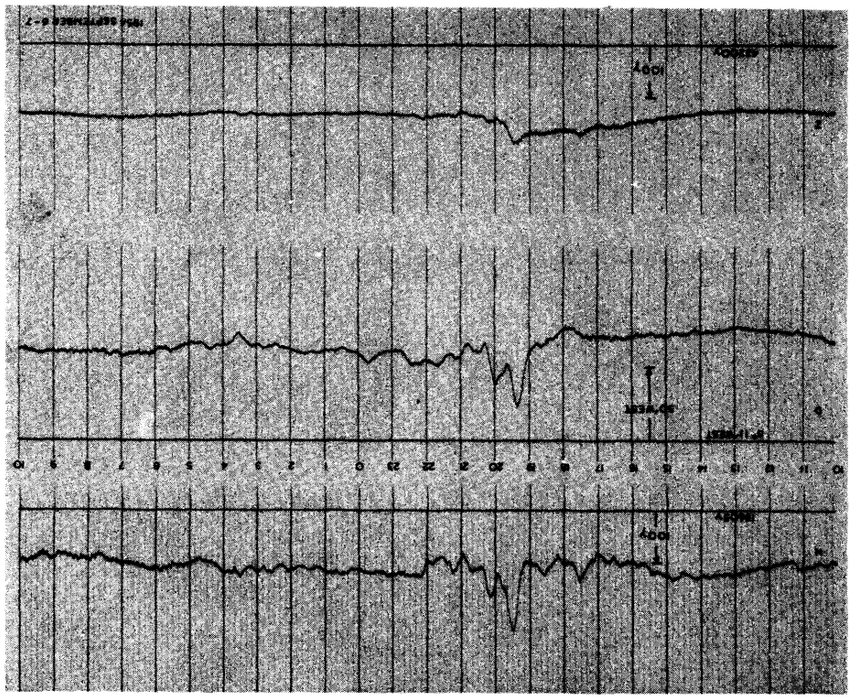


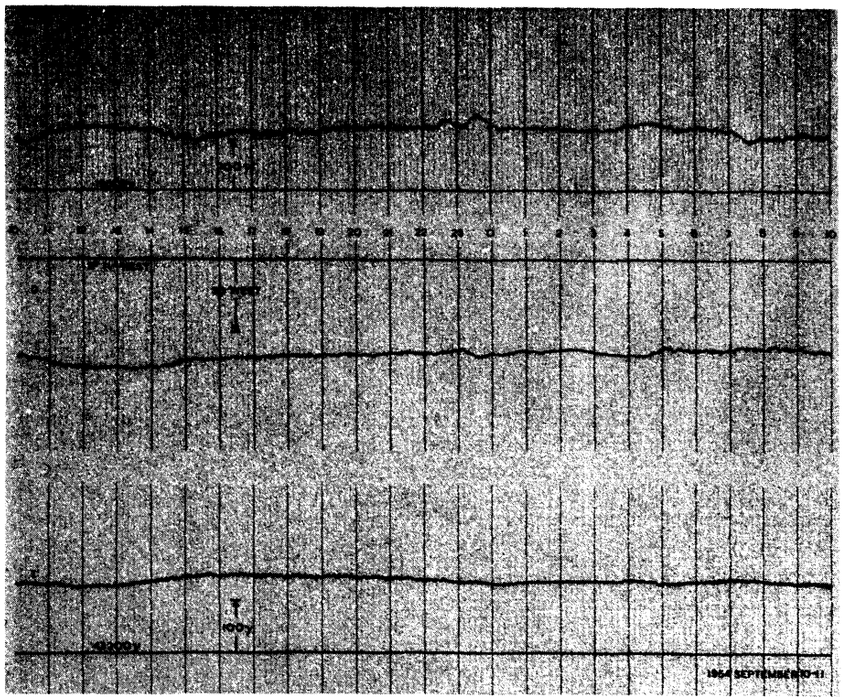


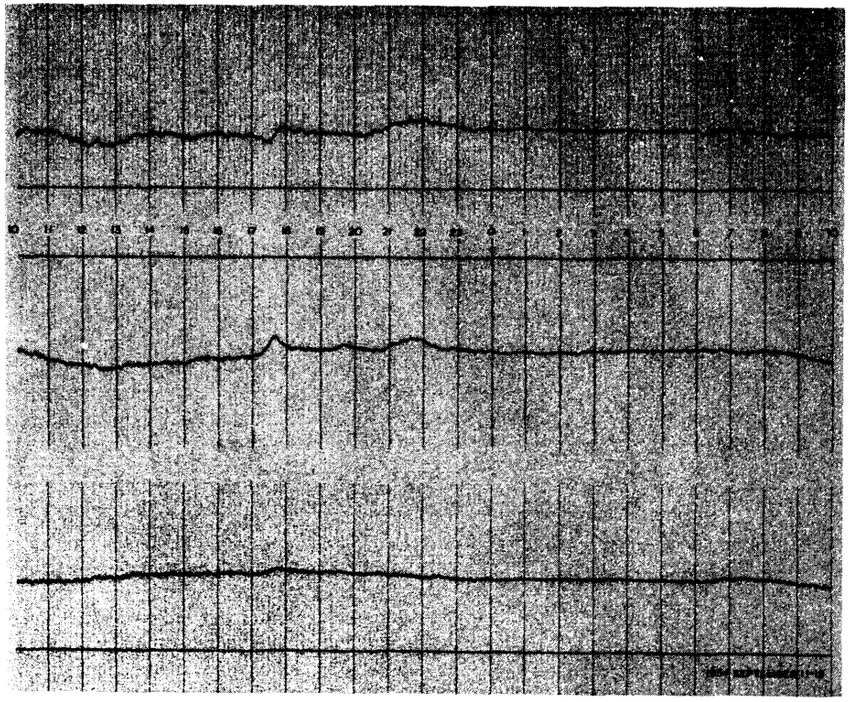


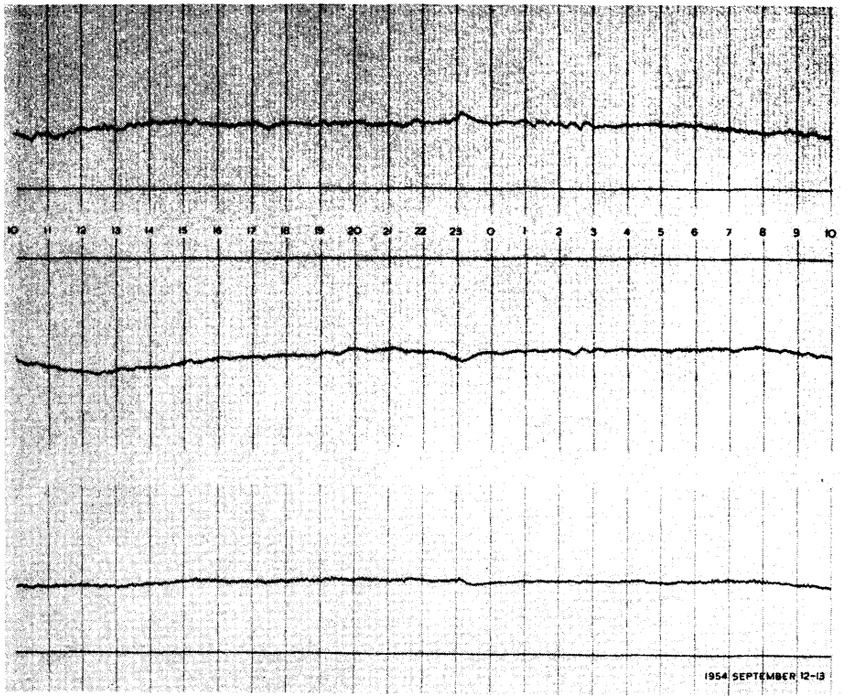







1954 SEPTEMBER 10-11

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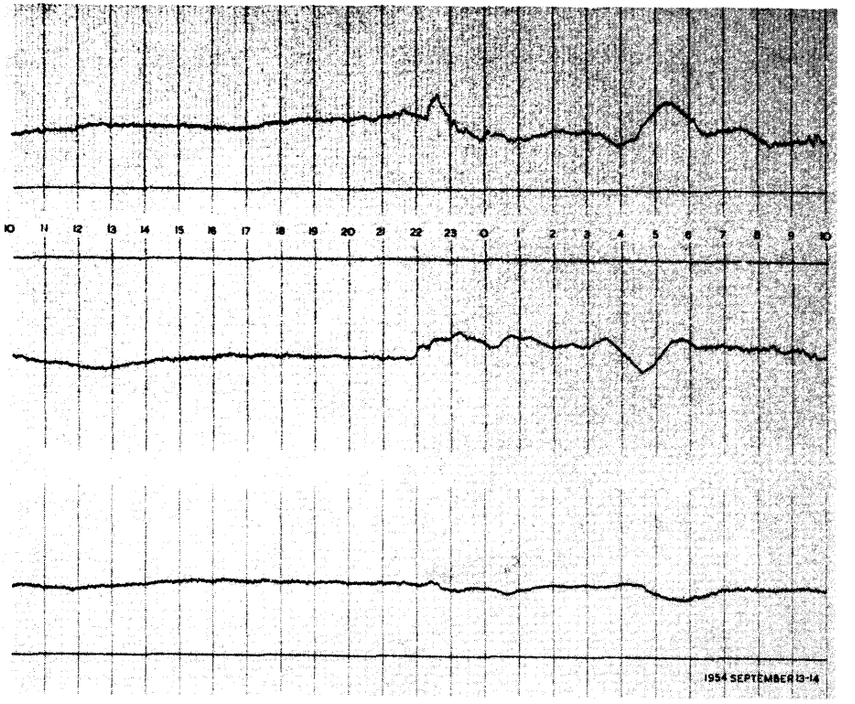
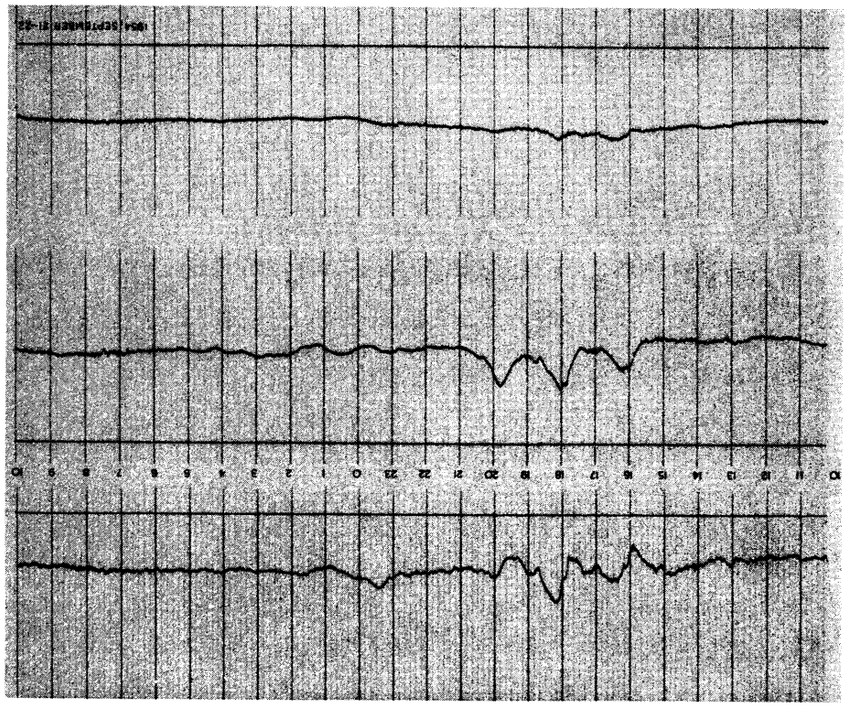
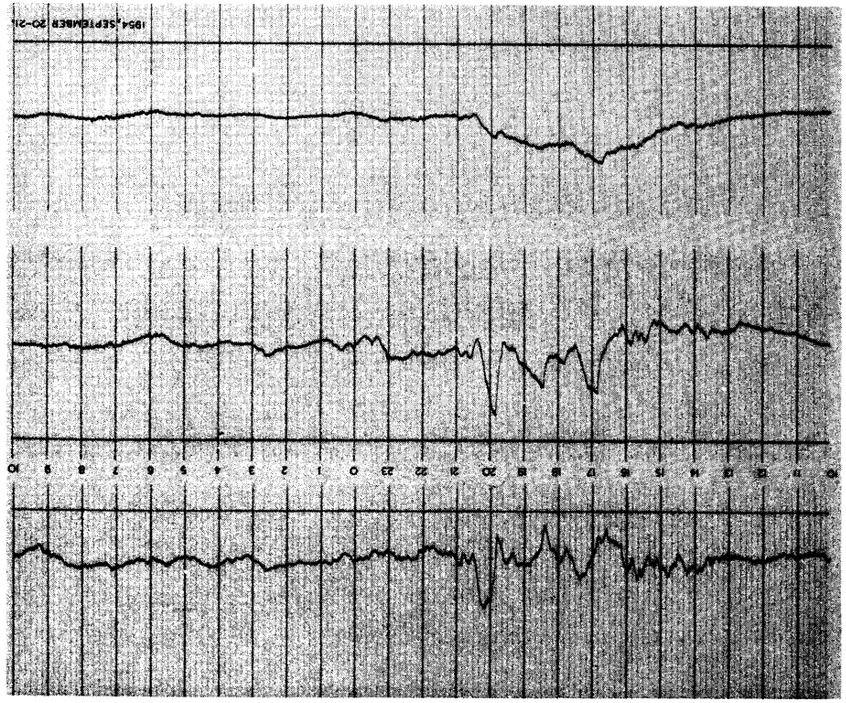
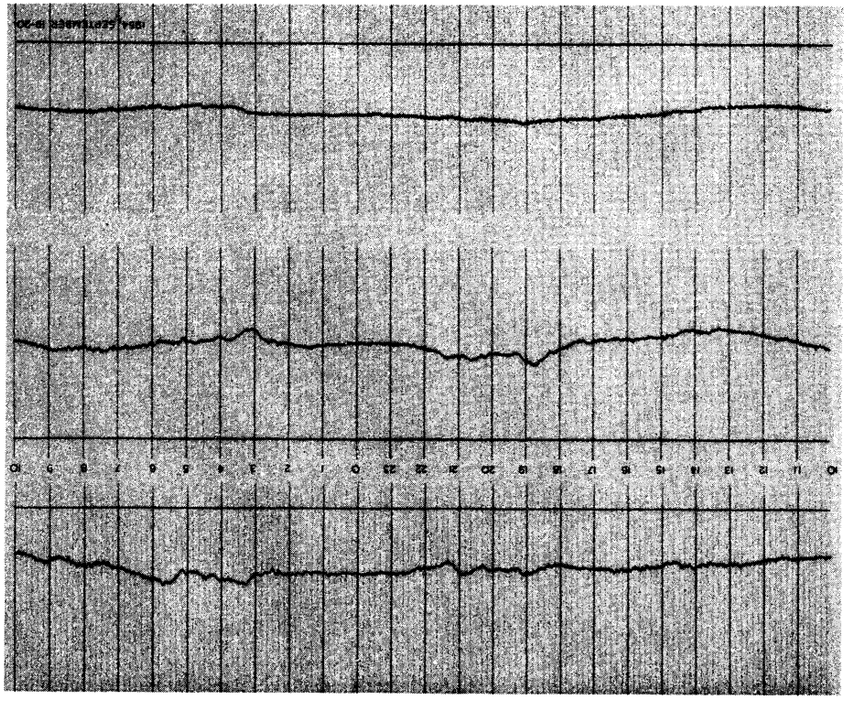
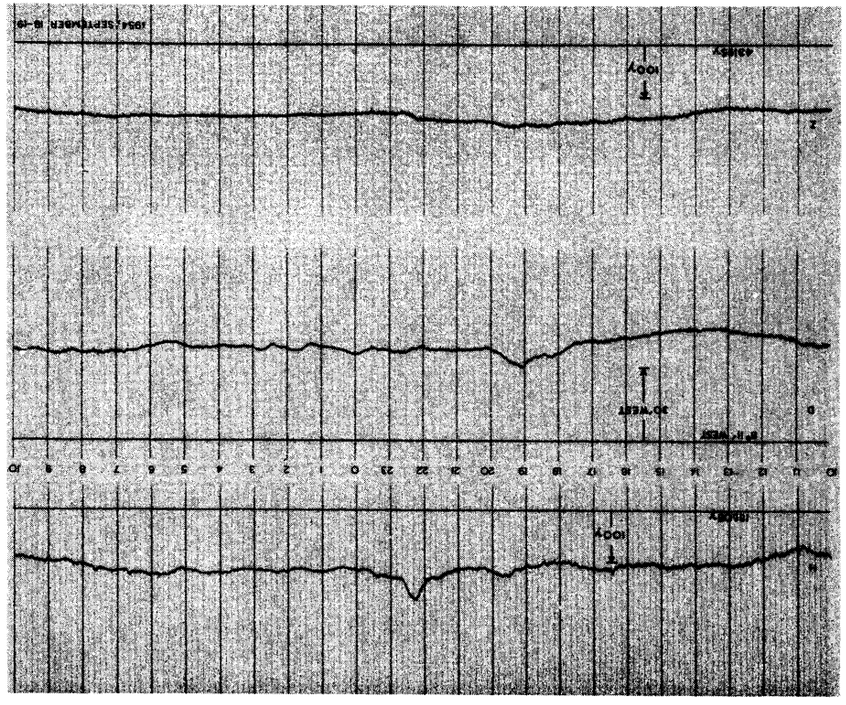
1954 SEPTEMBER 12-13

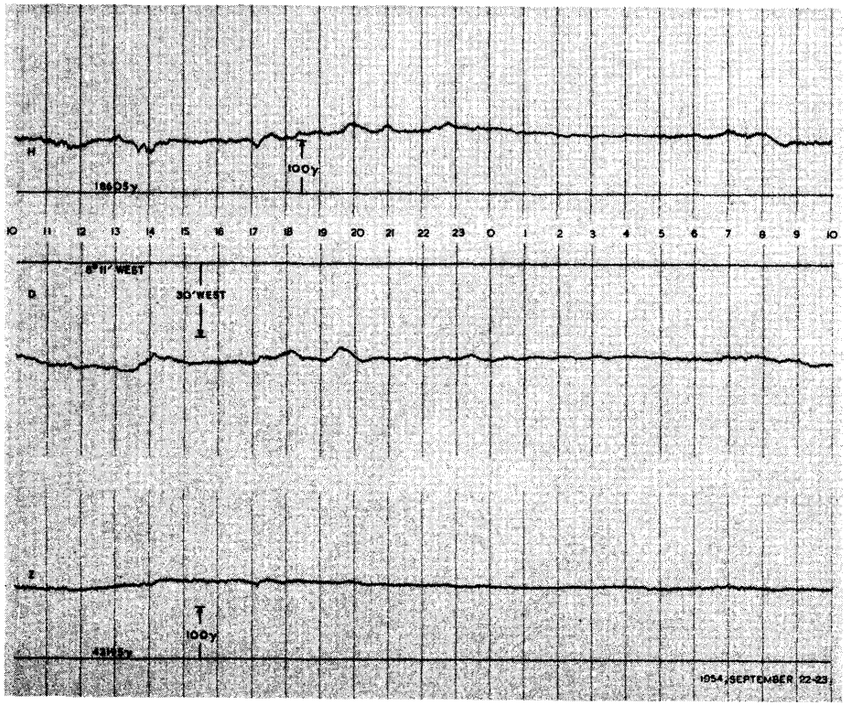

10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 SEPTEMBER 13-14

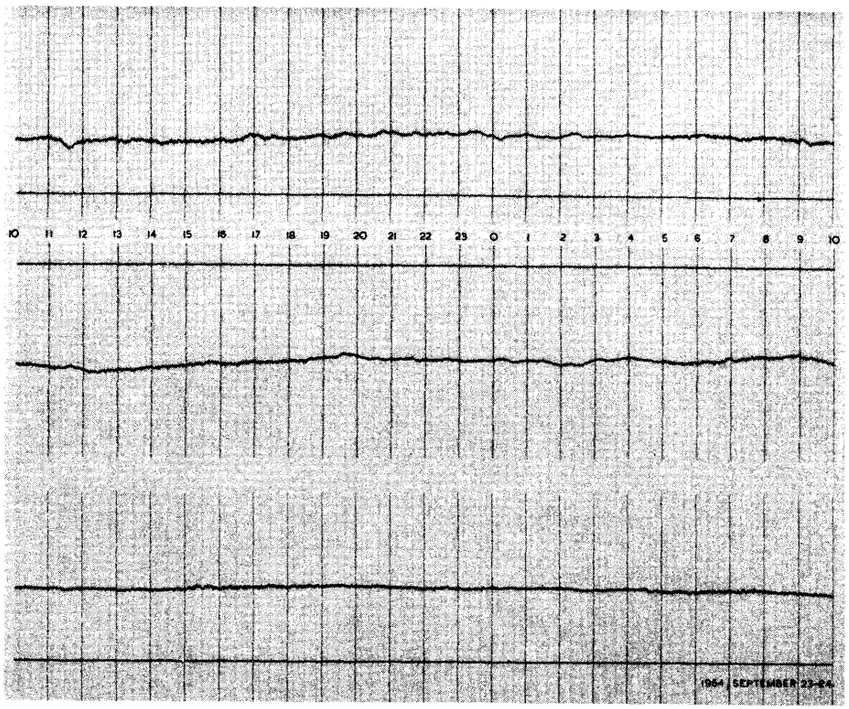


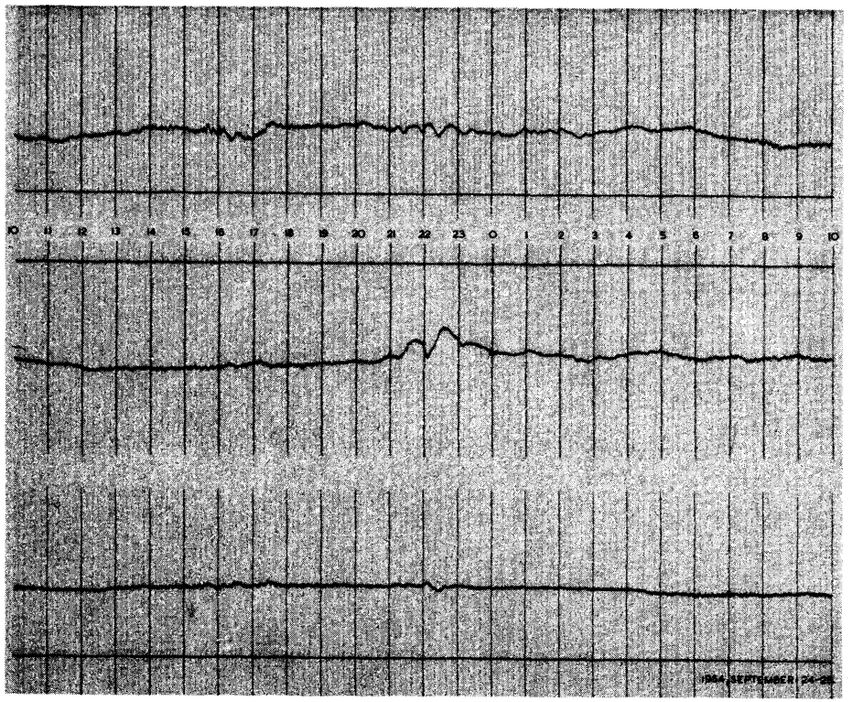







H
18605γ
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°11' WEST
D
30' WEST
Z
100γ
43415γ
1954 SEPTEMBER 22-23


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954 SEPTEMBER 23-24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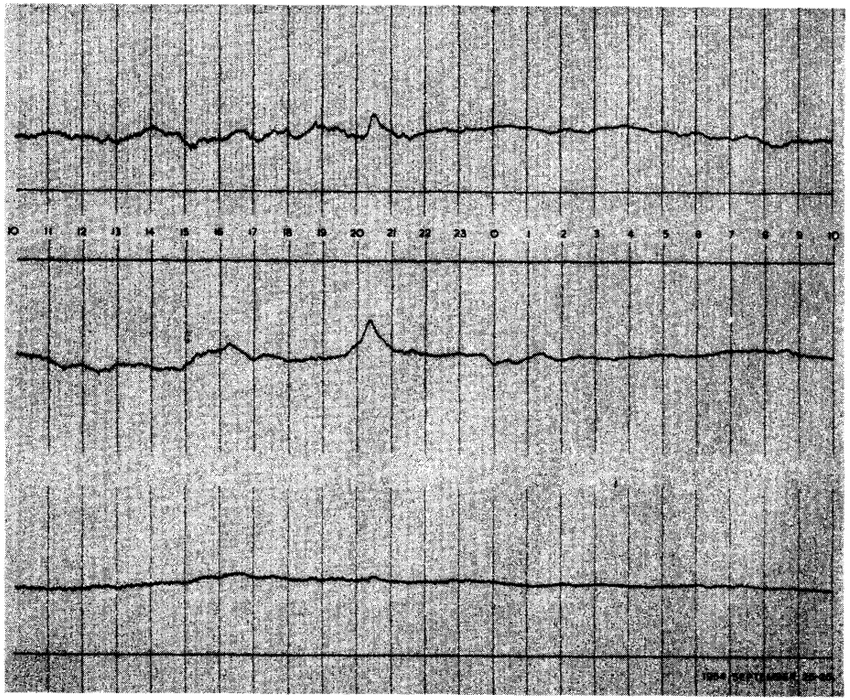
1954 SEPTEMBER 24-25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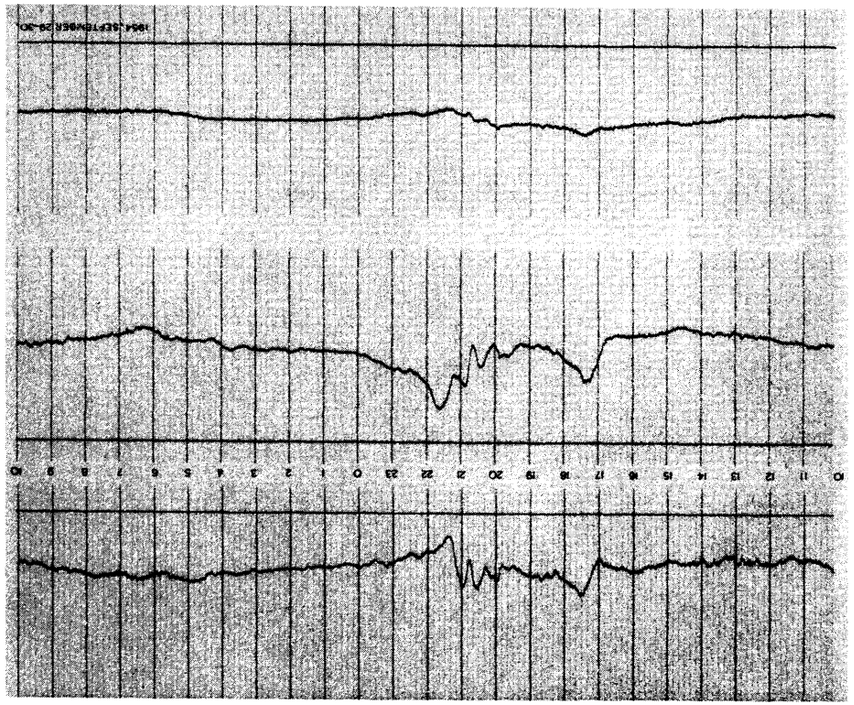
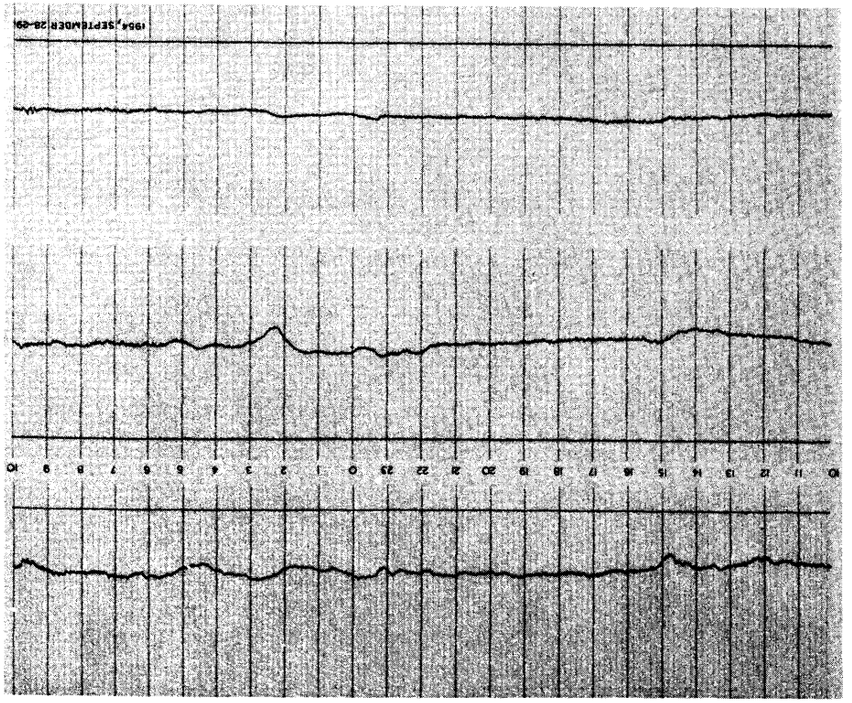
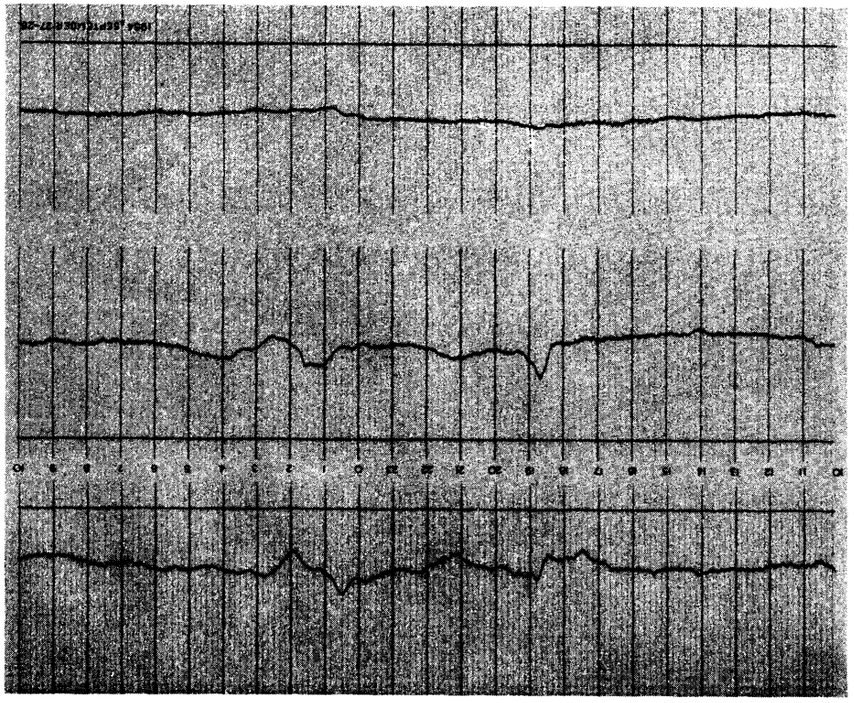
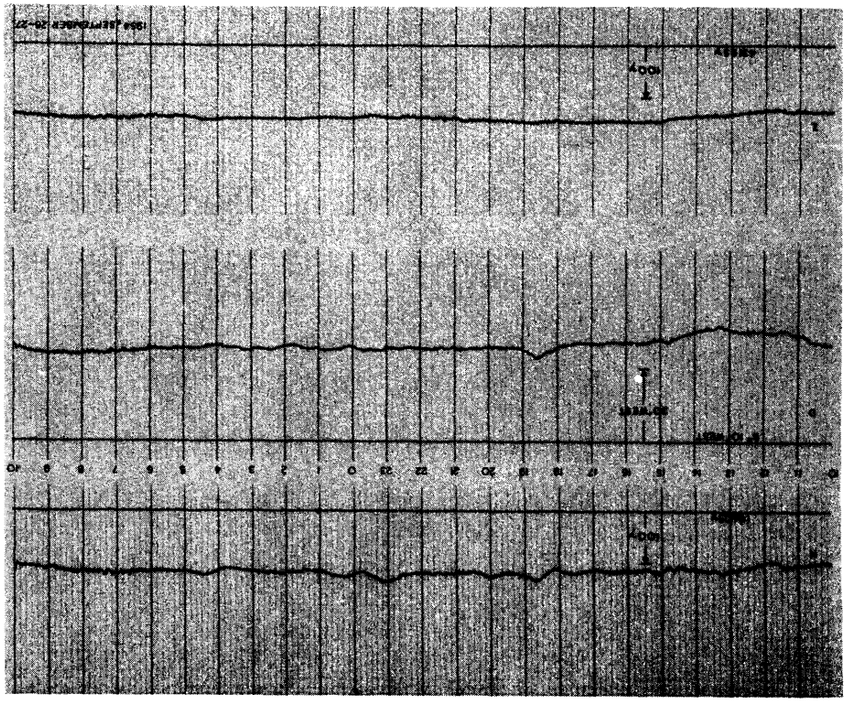
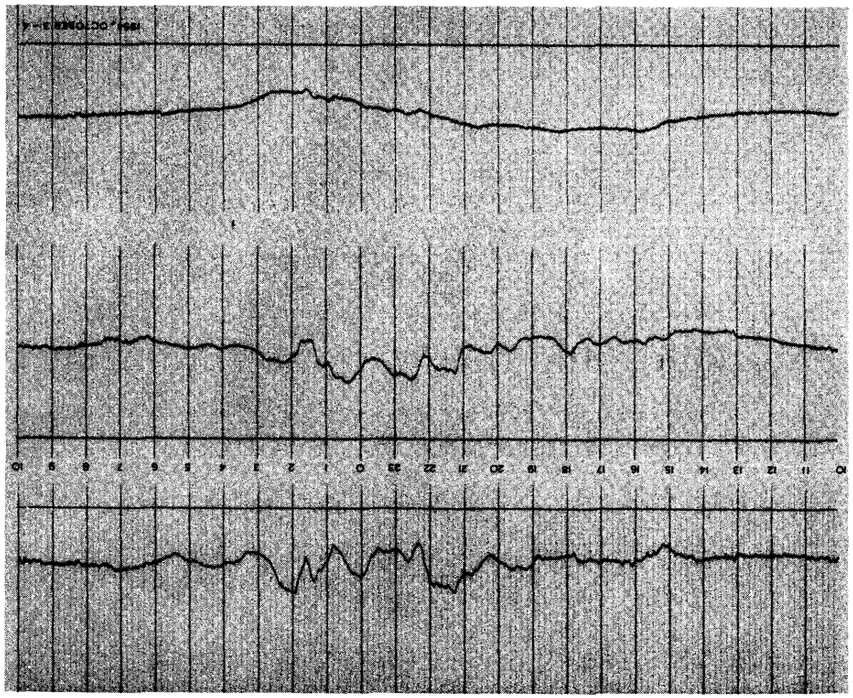
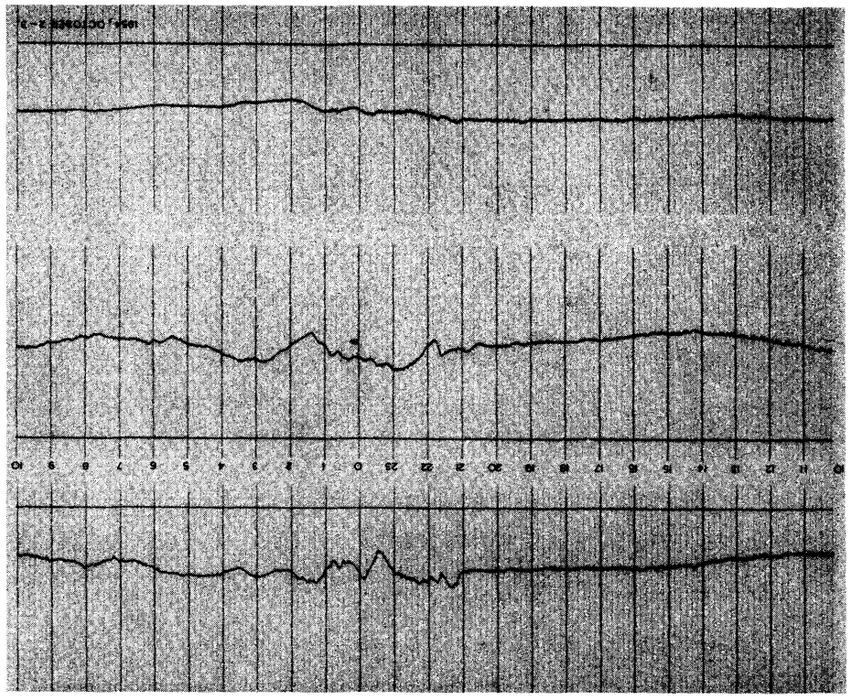


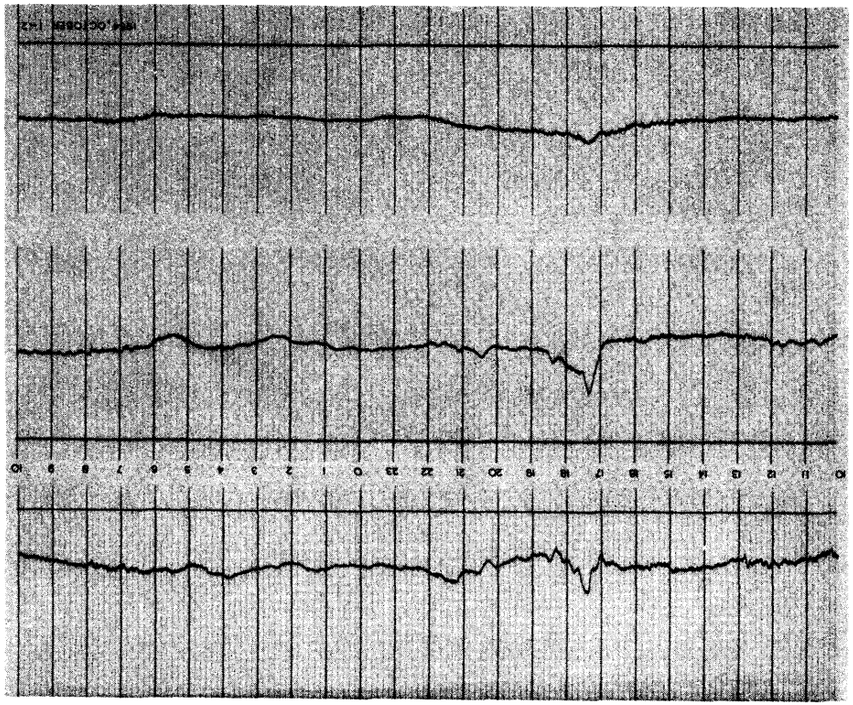


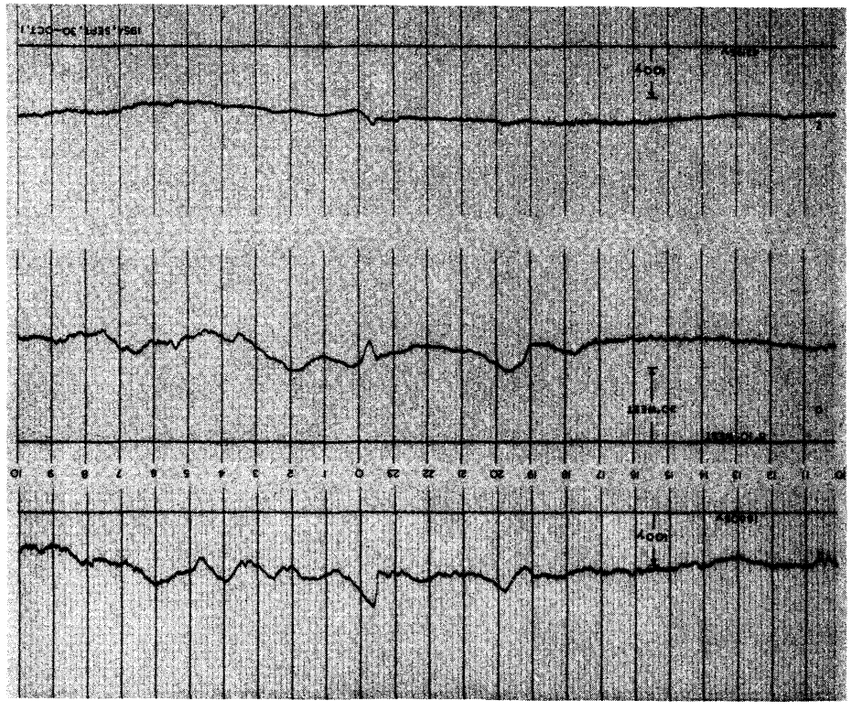


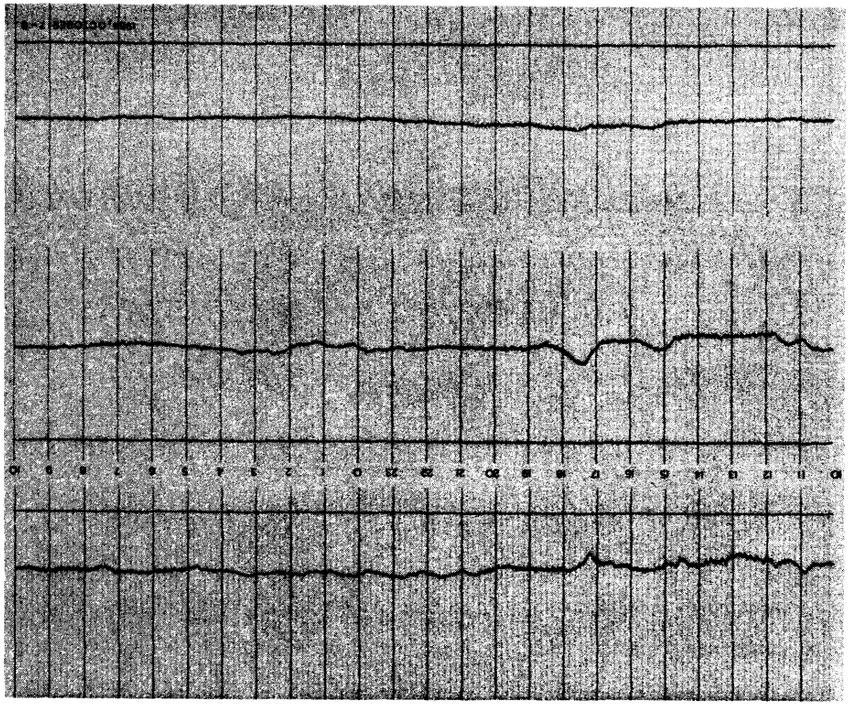


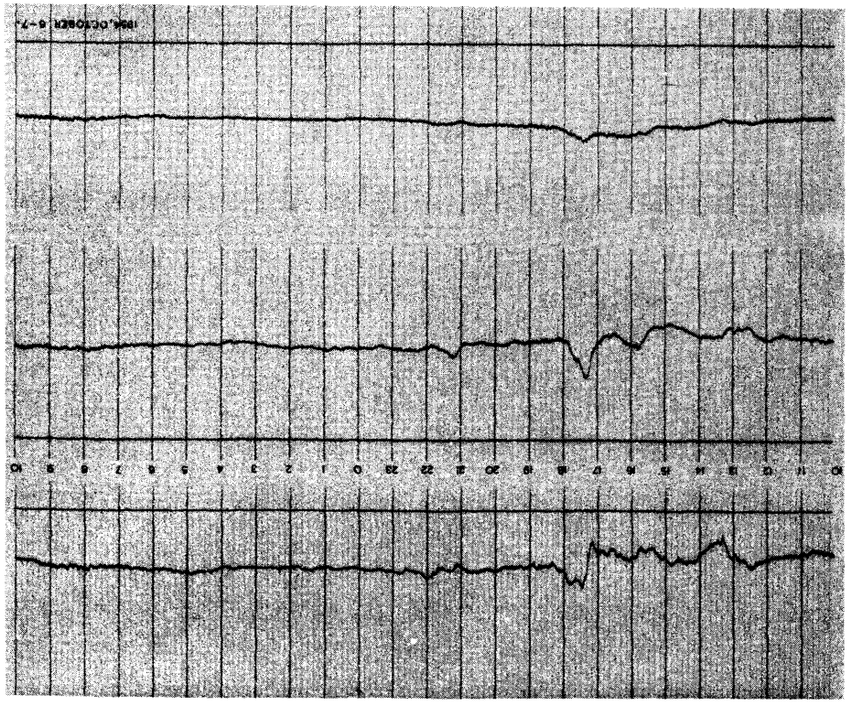


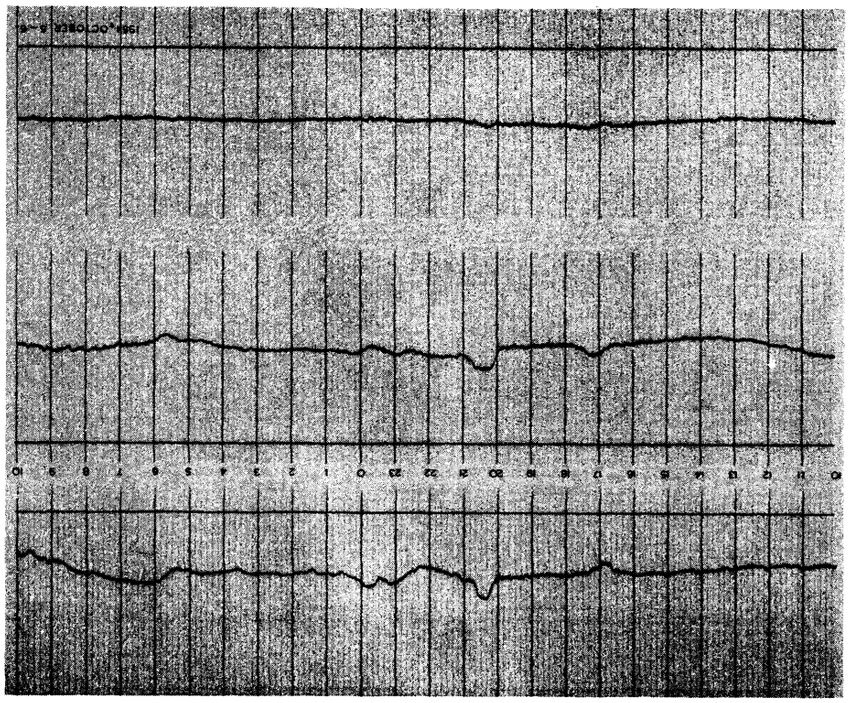


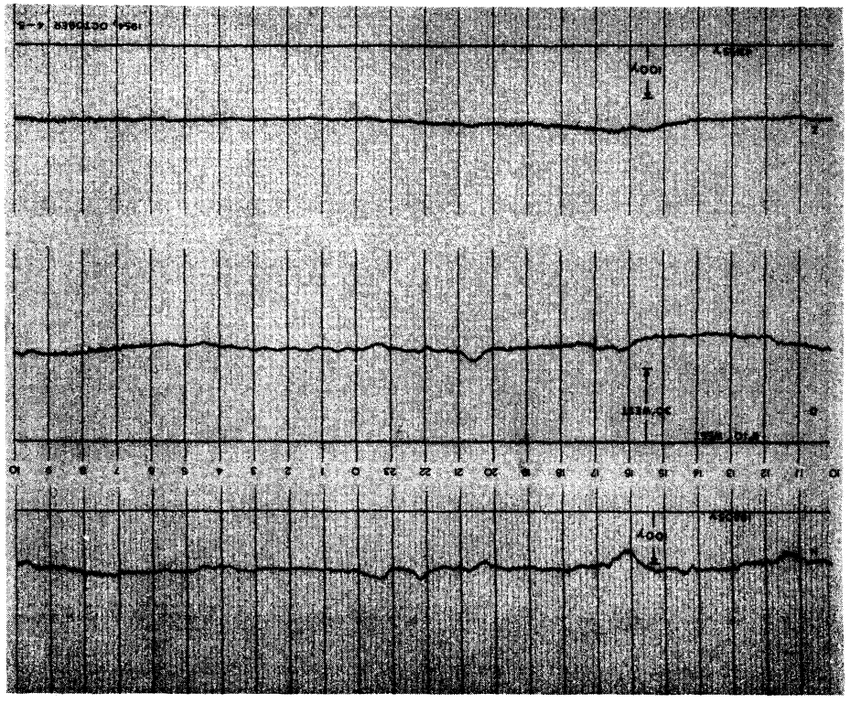


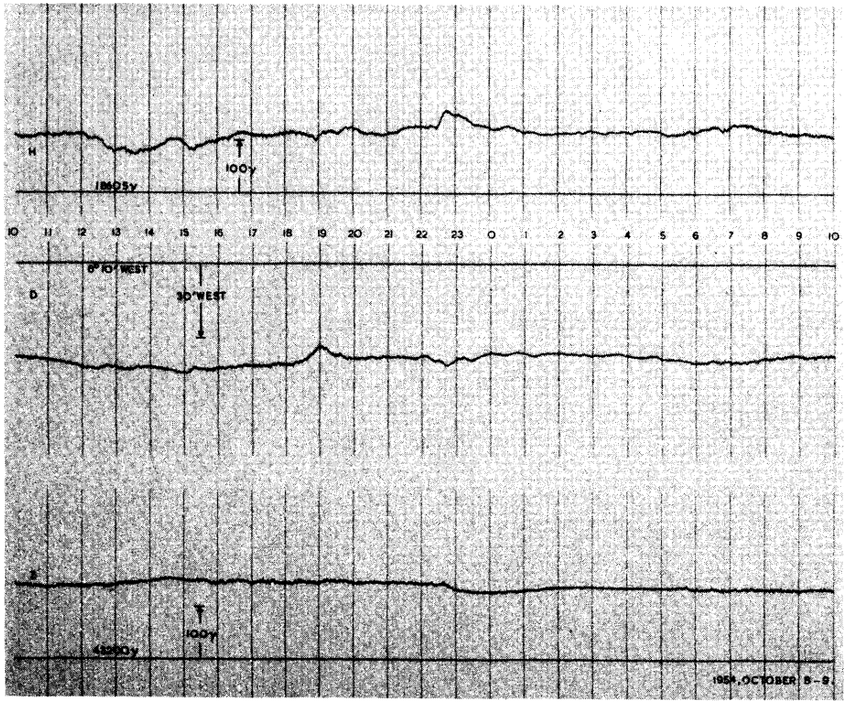


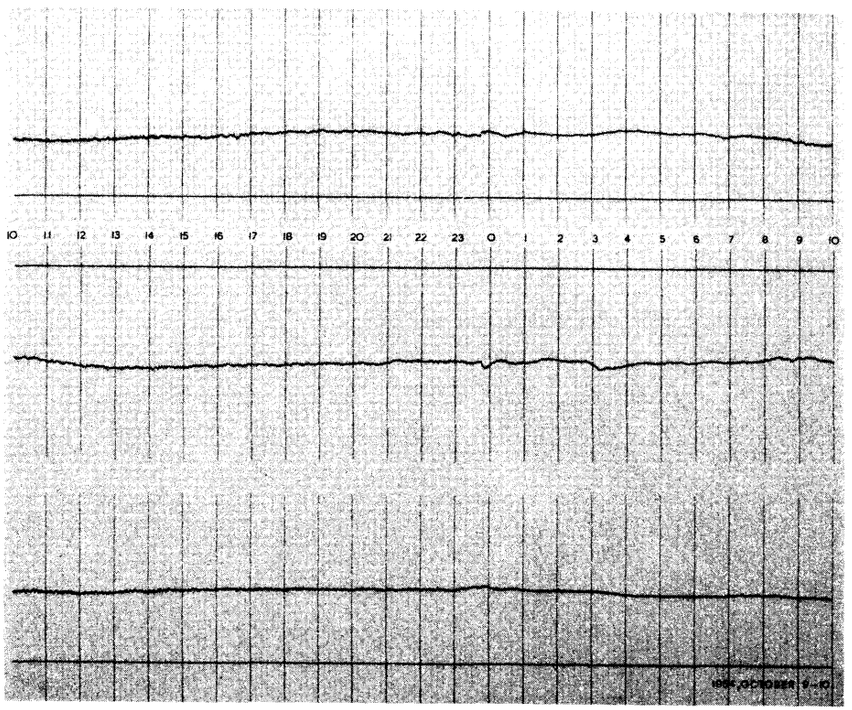









H
18603γ
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°10' WEST
D
30' WEST
Z
100γ
43200γ
1954, OCTOBER 8 - 9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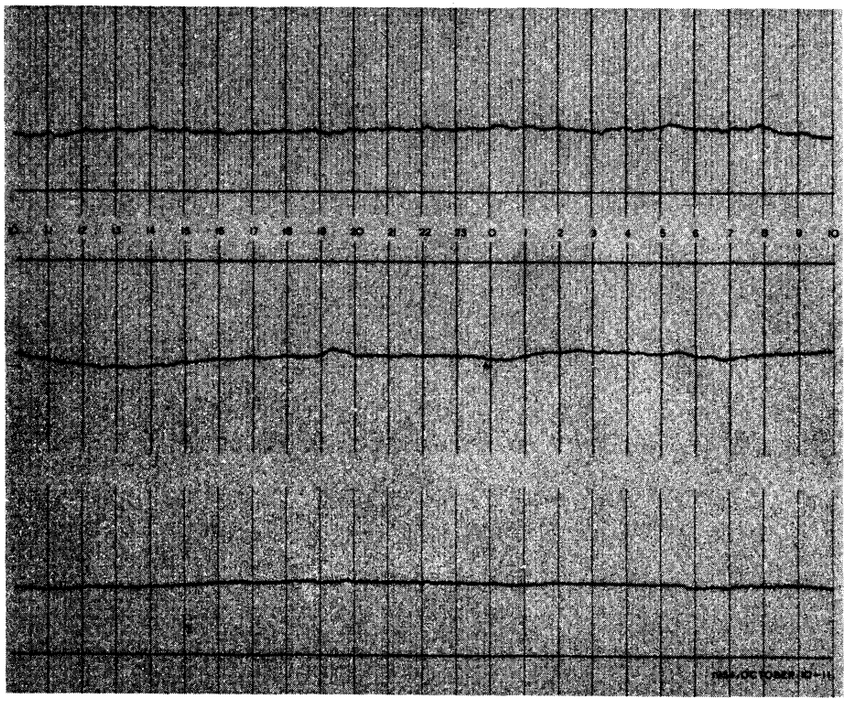
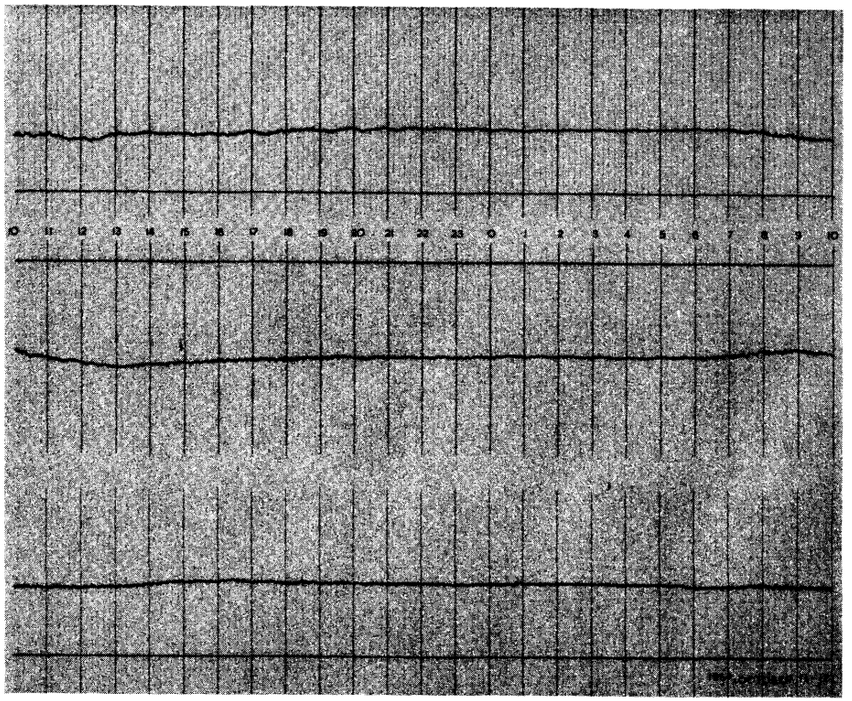
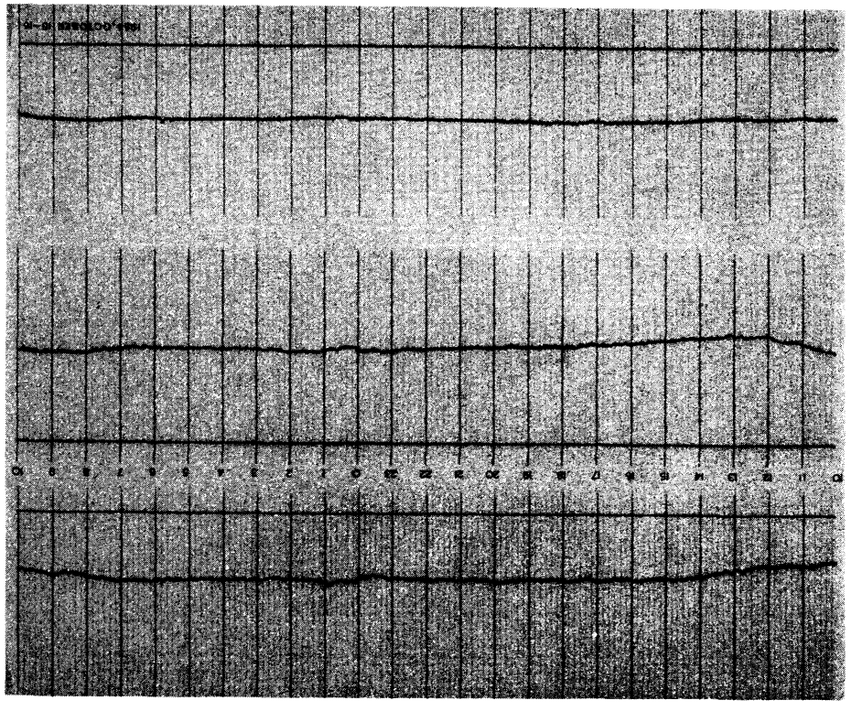
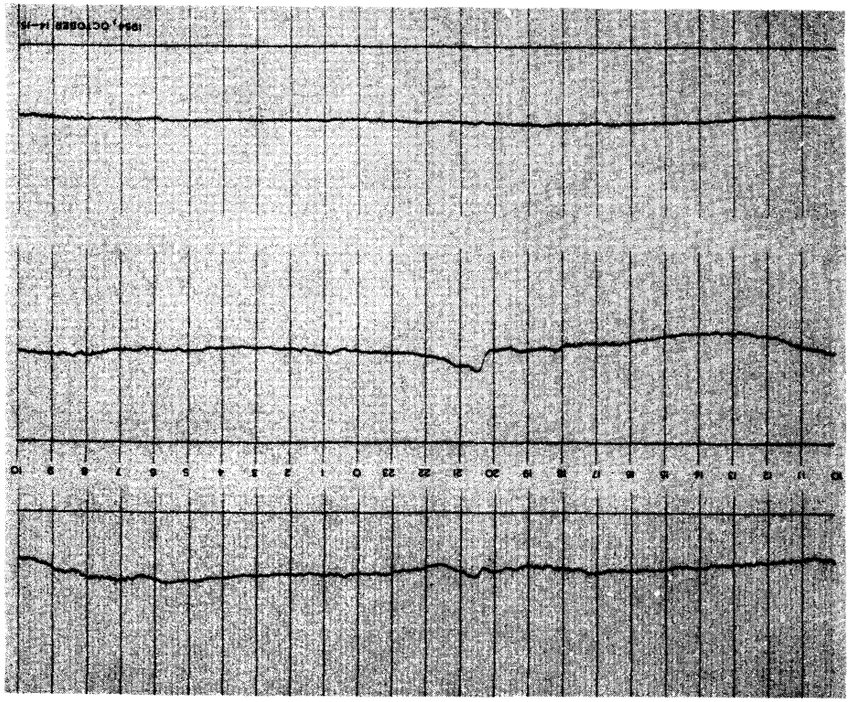
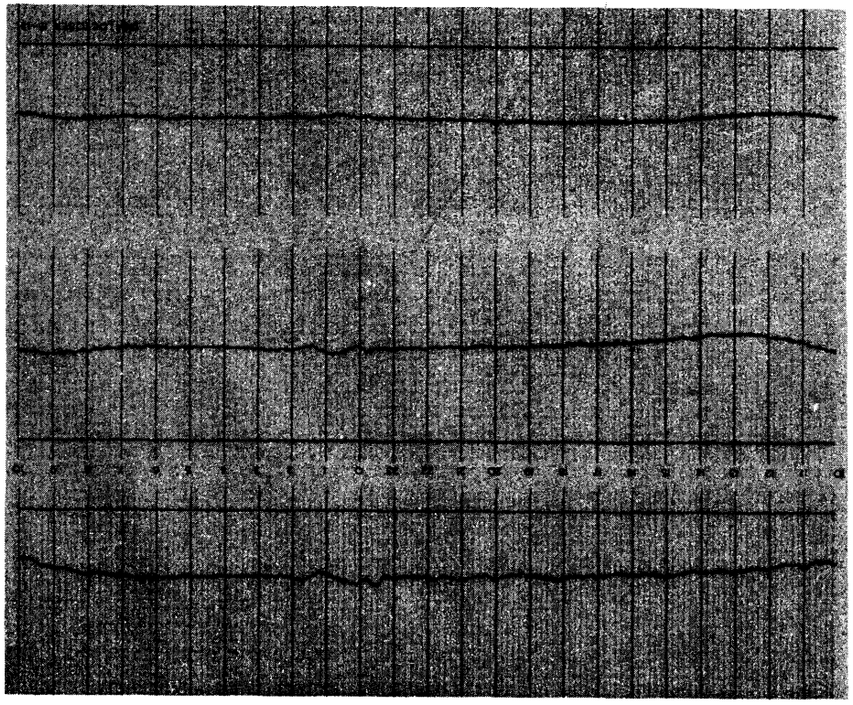
1954, OCTOBER 9 - 10

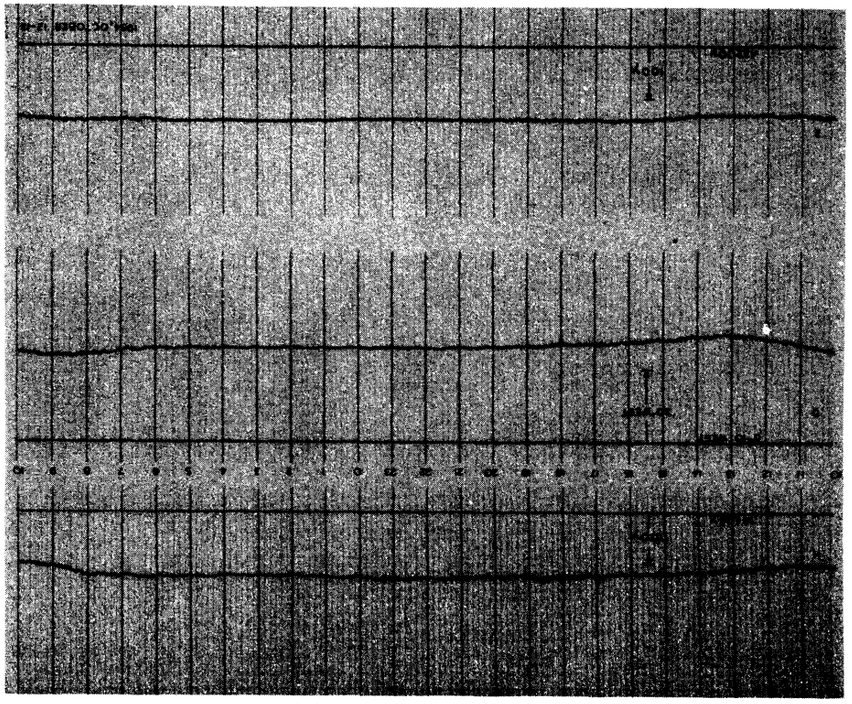

1954, OCTOBER 10 - 11

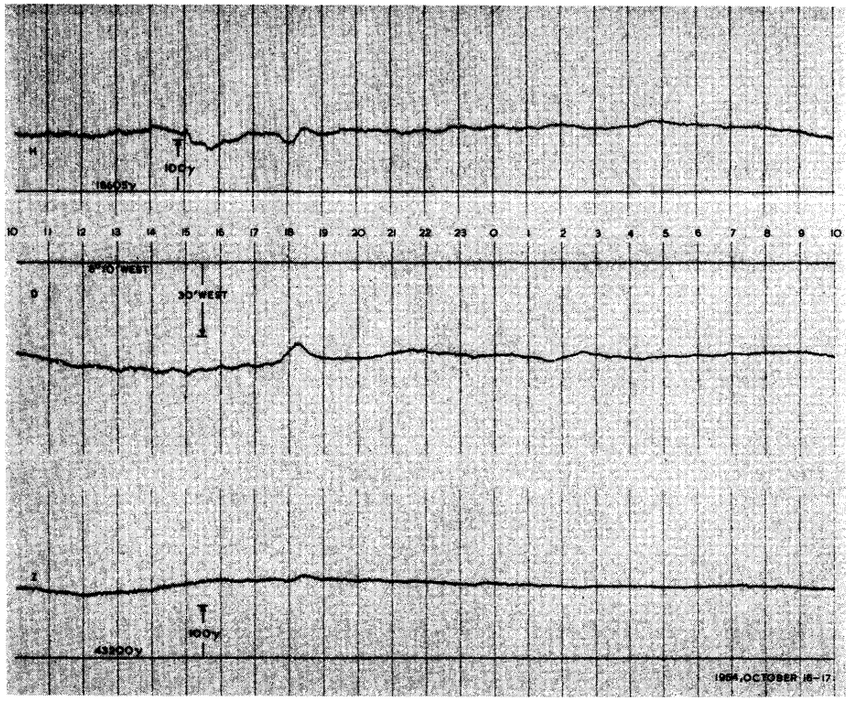


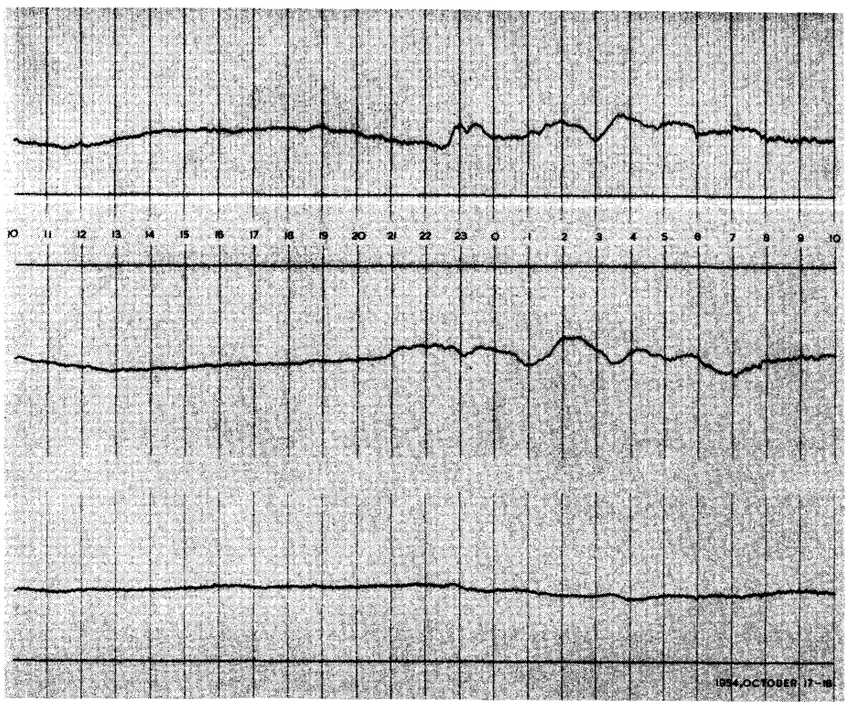









H
100γ
18407γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
5°10' WEST
D
20' WEST
Z
100γ
43200γ
1954, OCTOBER 16-17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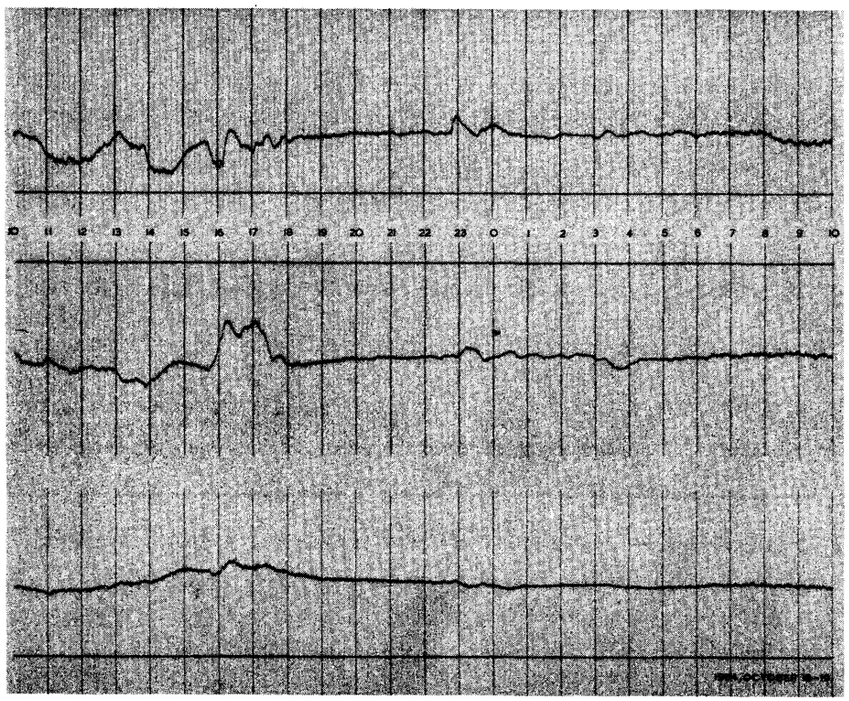
1954, OCTOBER 17-18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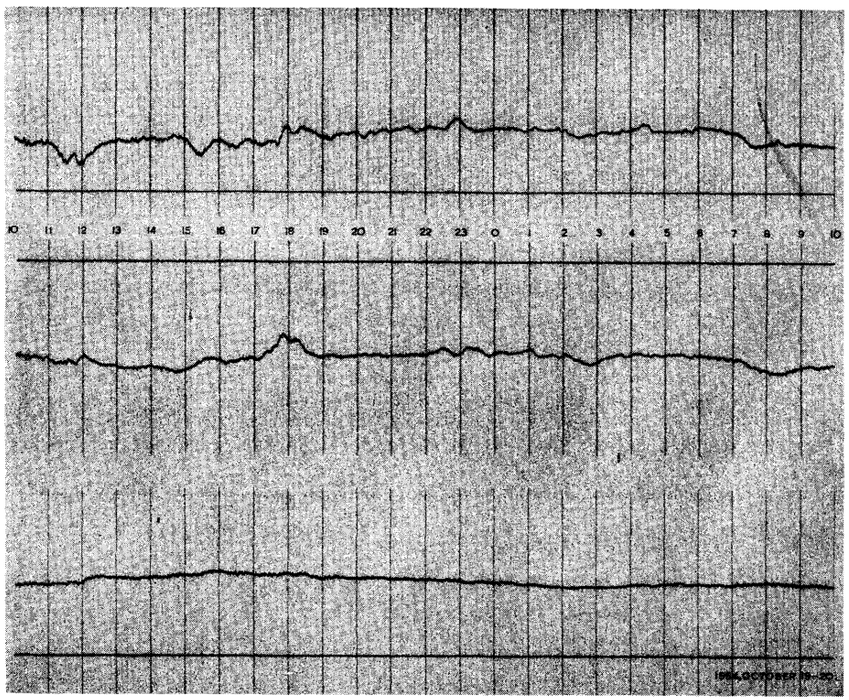

10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954, OCTOBER 19-20

1884, OCTOBER 22-24

1884, OCTOBER 22-24

1884, OCTOBER 22-24

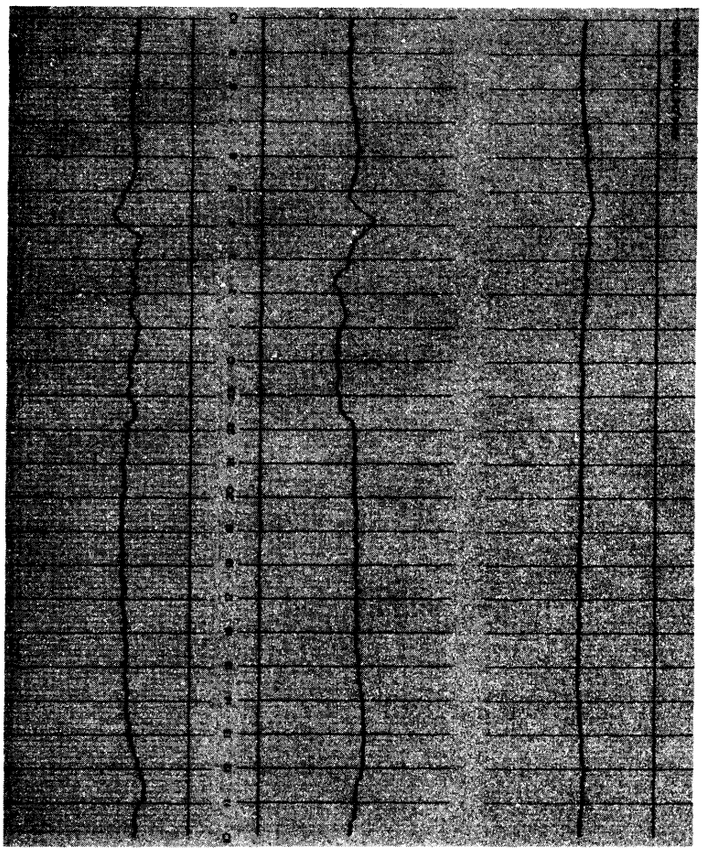
1884, OCTOBER 22-24

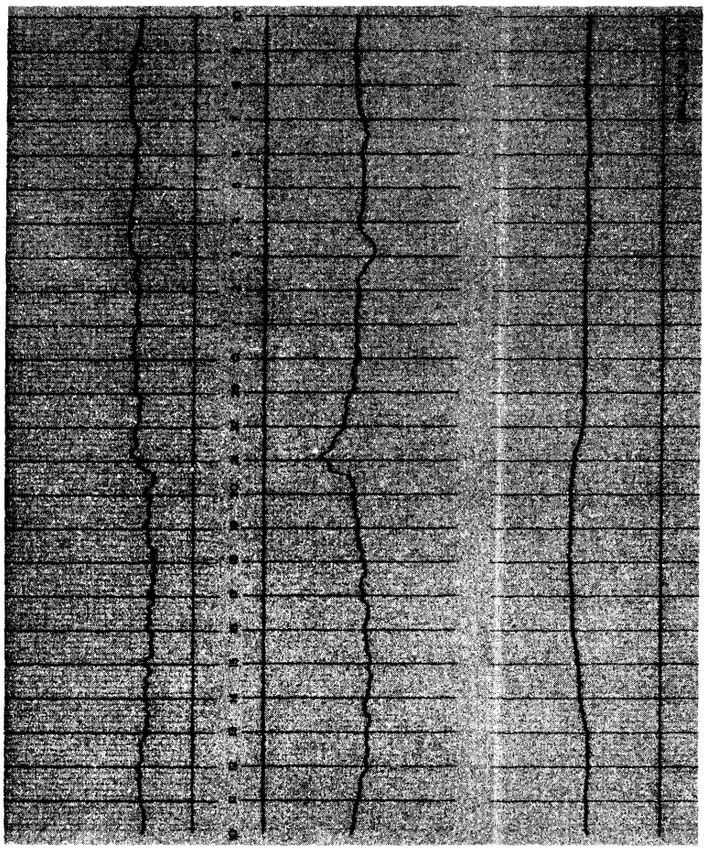
1984 OCTOBER 24-25

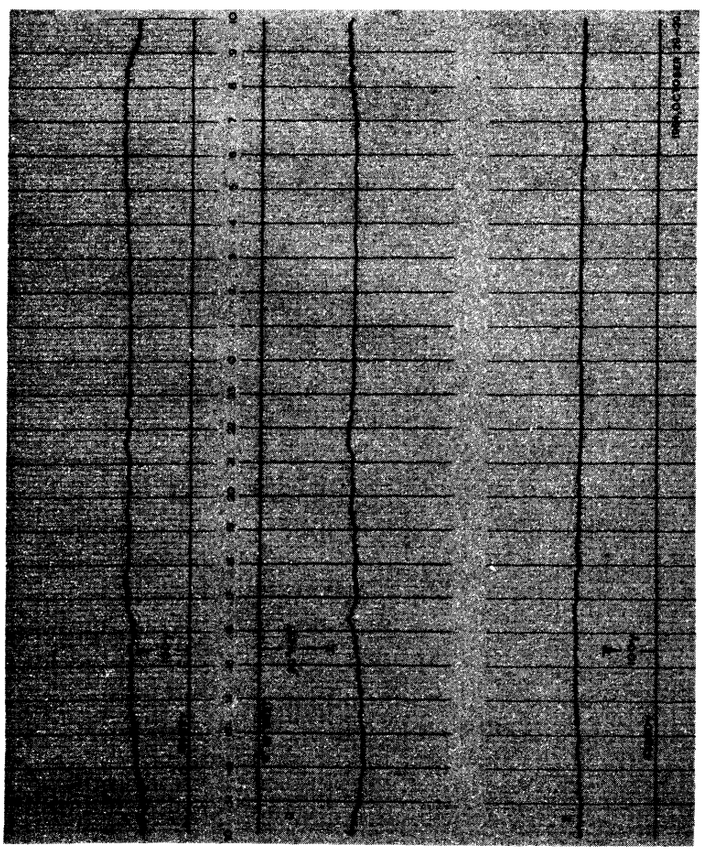
1984 OCTOBER 24-25

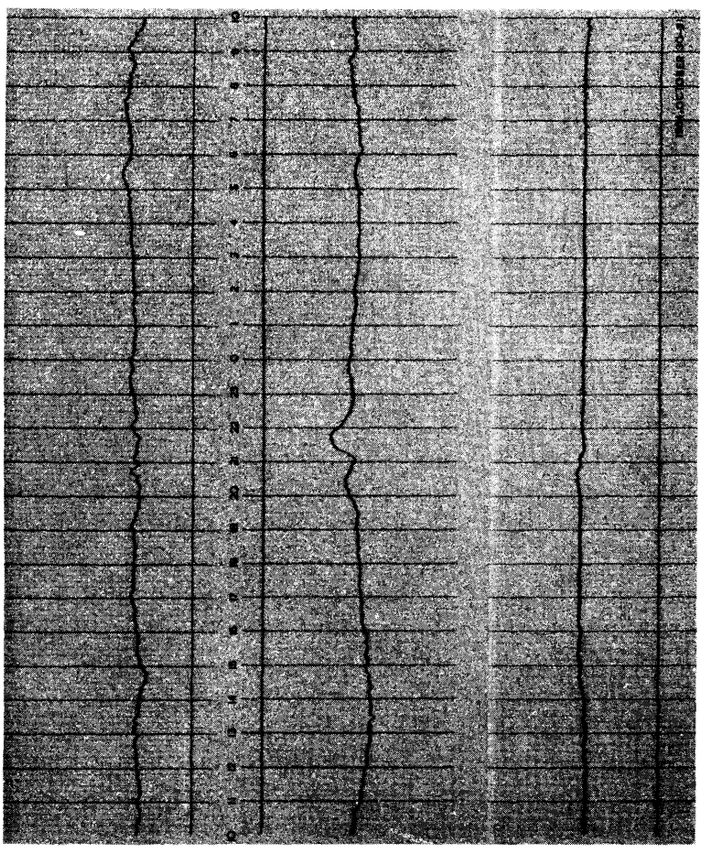
1984 OCTOBER 24-25

1984 OCTOBER 24-25







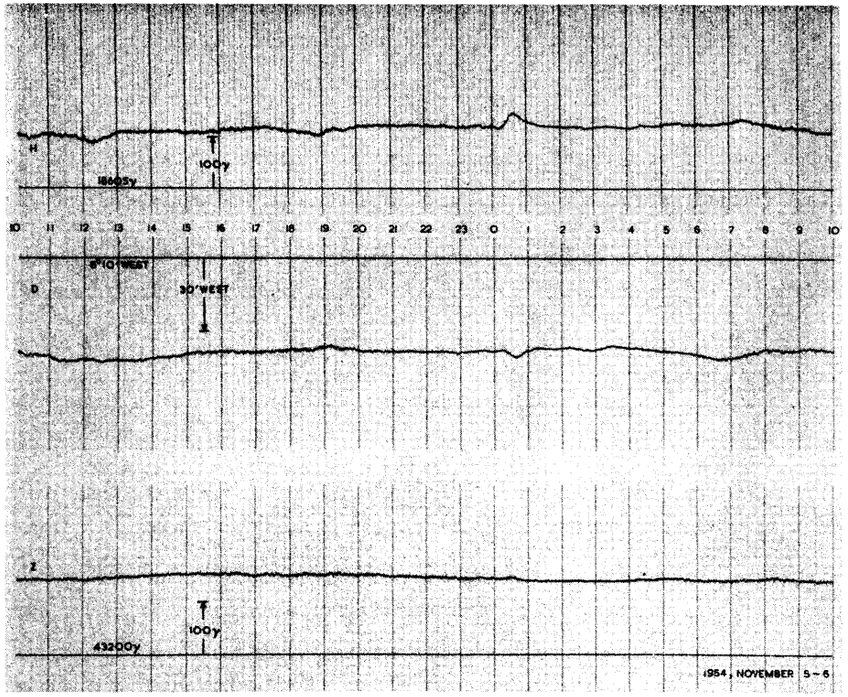


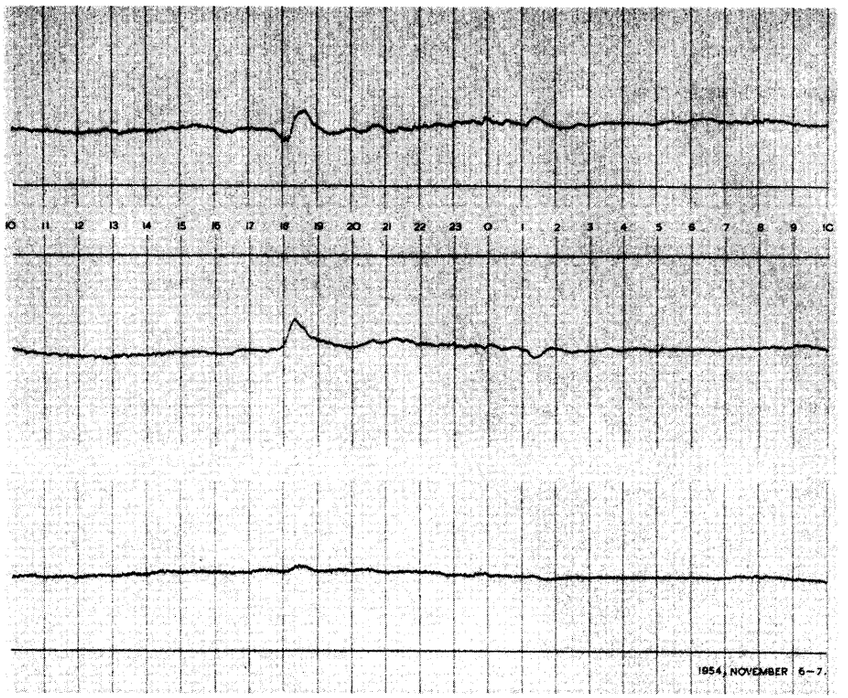
1954 NOVEMBER 3 - 4
1954 NOVEMBER 3 - 4

1954 NOVEMBER 3 - 4
1954 NOVEMBER 3 - 4

1954 NOVEMBER 3 - 4
1954 NOVEMBER 3 - 4

1954 NOVEMBER 3 - 4
1954 NOVEMBER 3 - 4


H
18605y
100y
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°10' WEST
D
30' WEST
Z
43200y
100y
1954, NOVEMBER 5 – 6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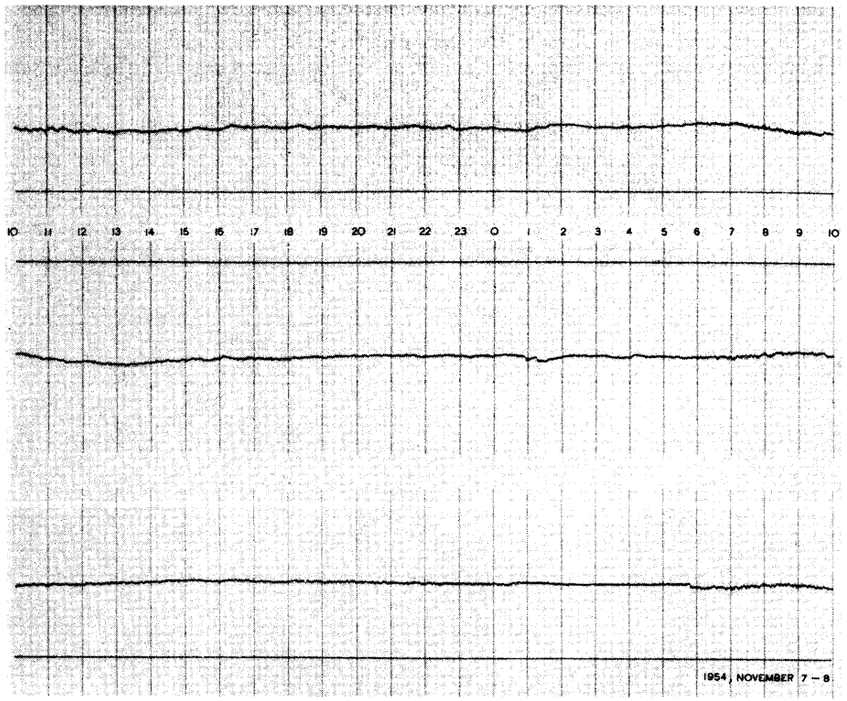
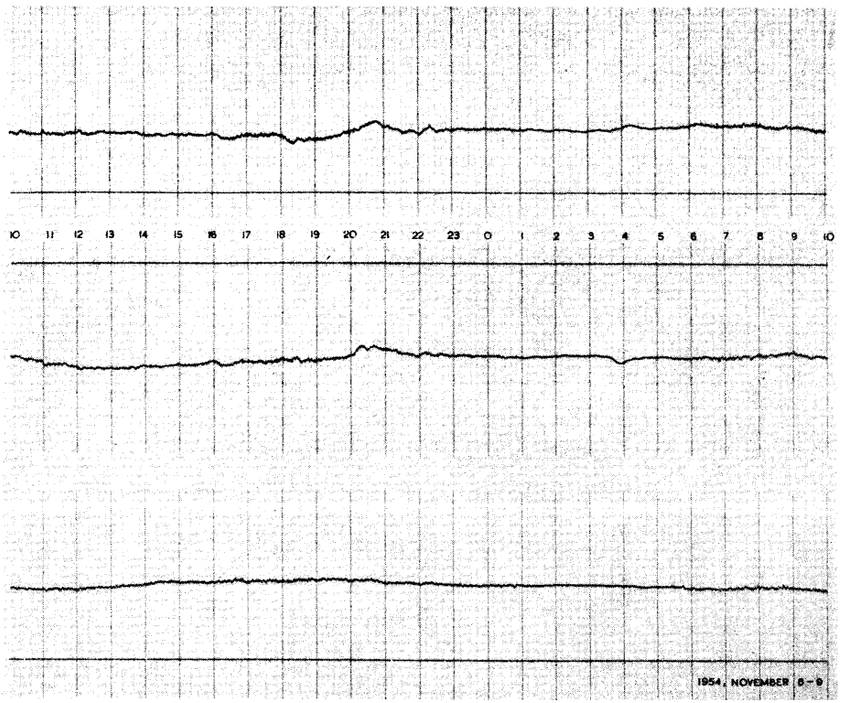
1954, NOVEMBER 6 – 7


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954, NOVEMBER 7 – 8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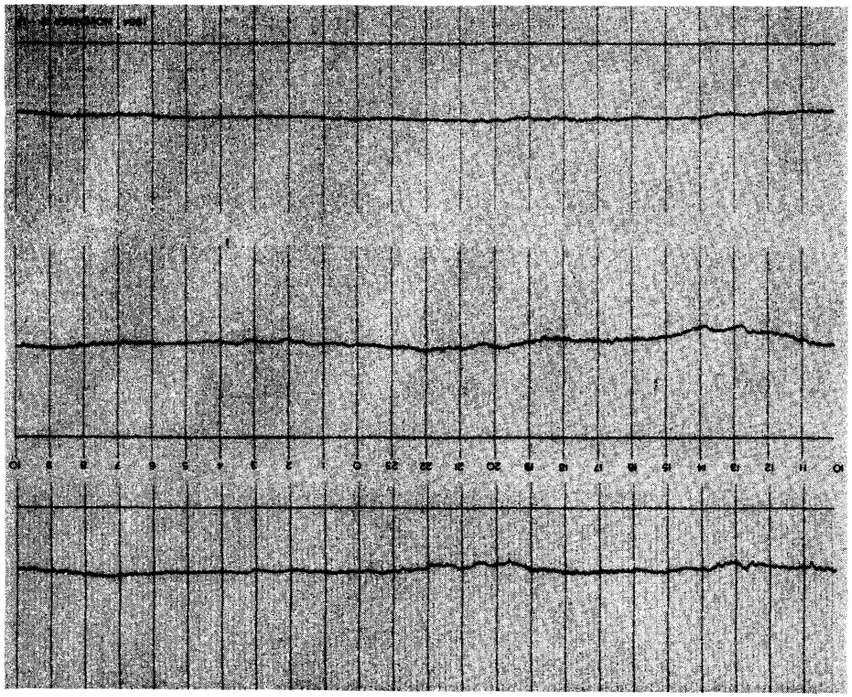
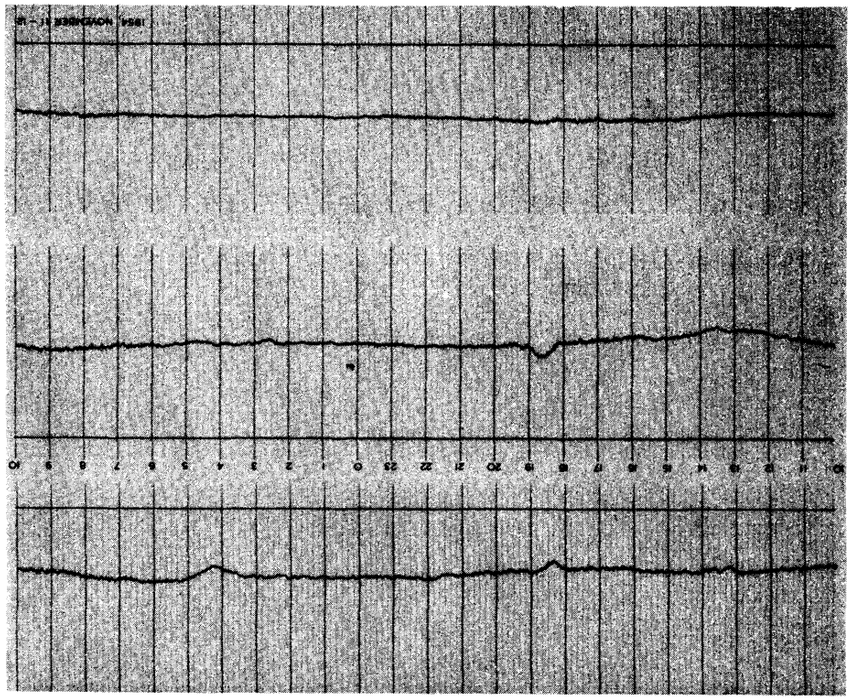
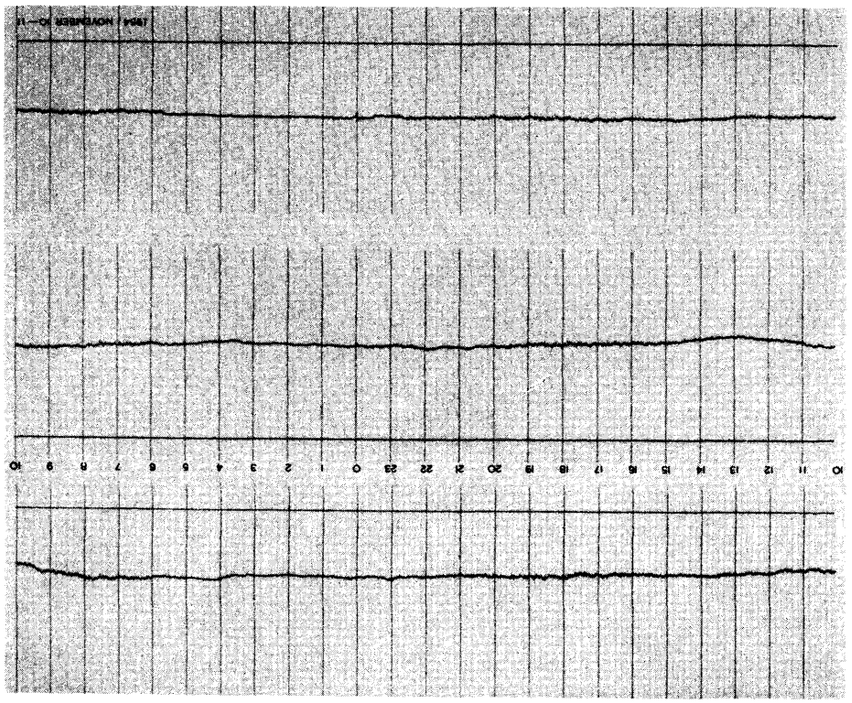
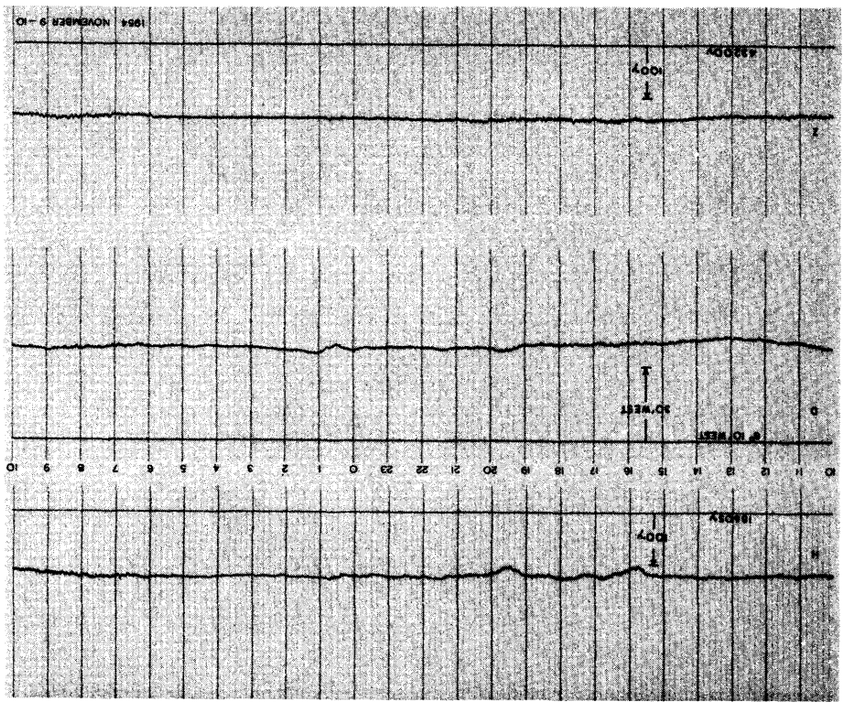
1954, NOVEMBER 8 – 9



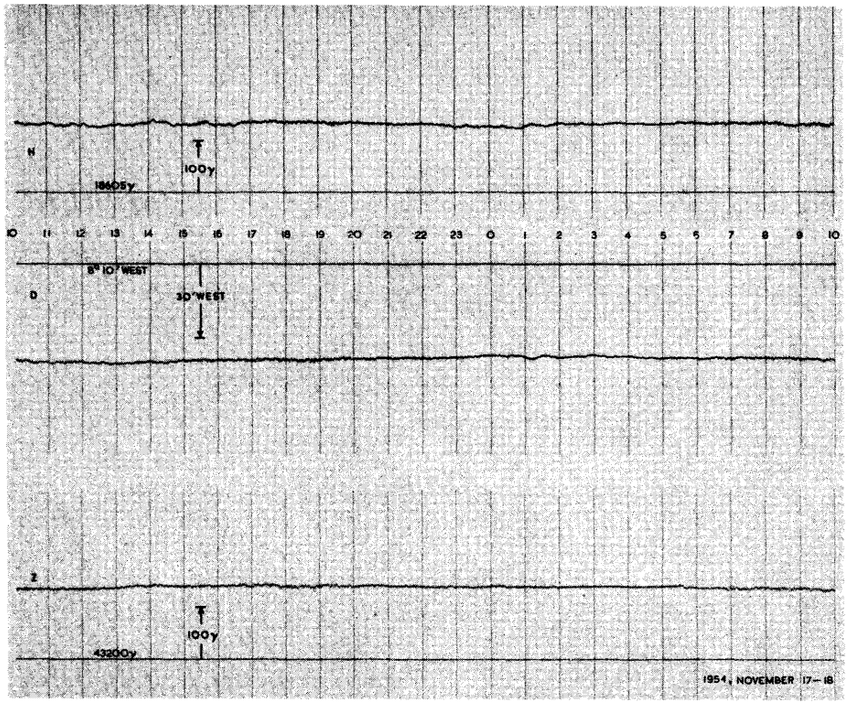


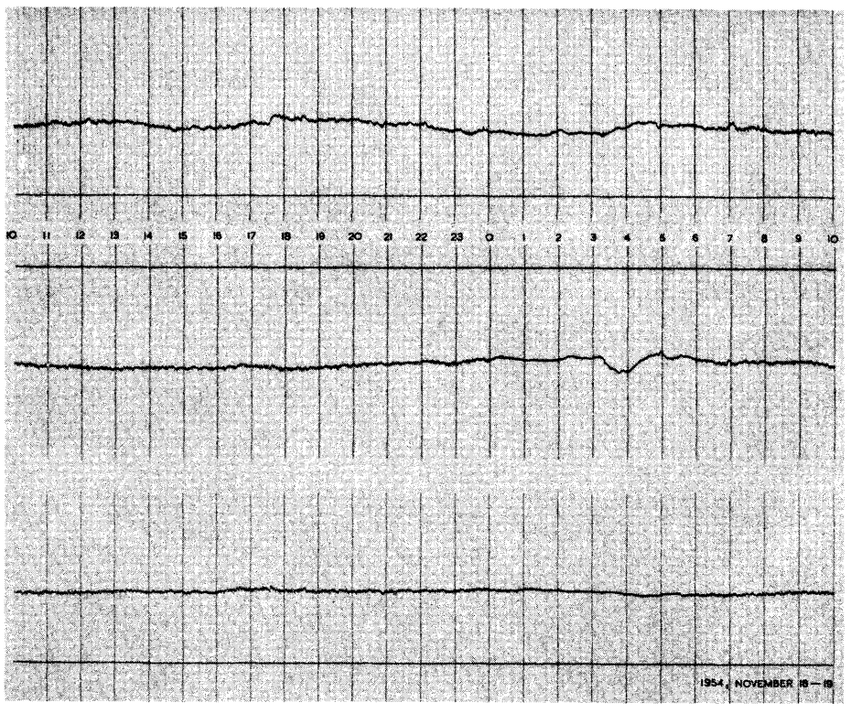


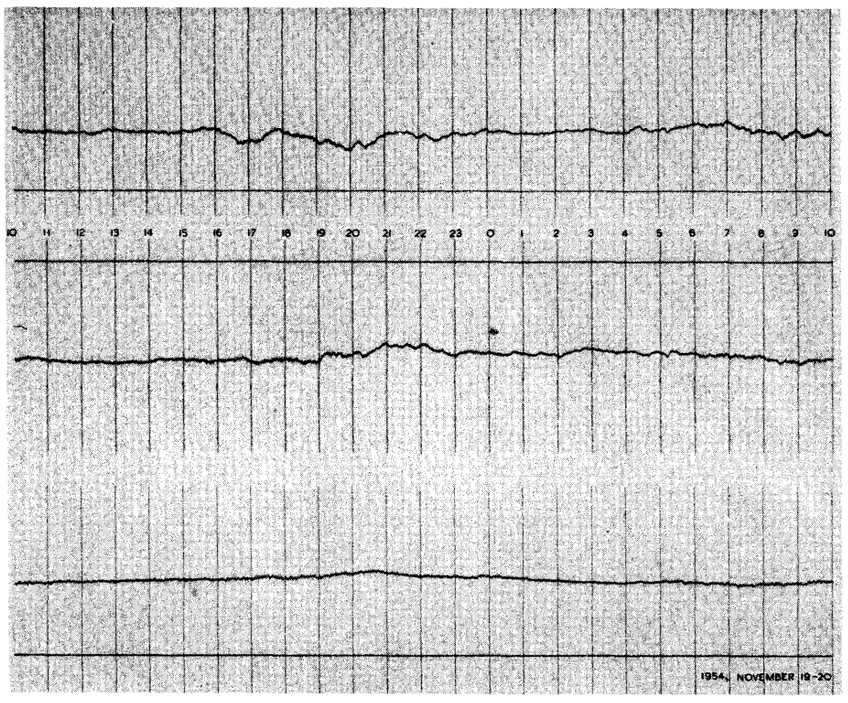


1954, NOVEMBER 16—17

1954, NOVEMBER 15—16


N
18405γ
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8° 10' WEST
D
30' WEST
Z
100γ
43200γ
1954, NOVEMBER 17–18


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954, NOVEMBER 18–19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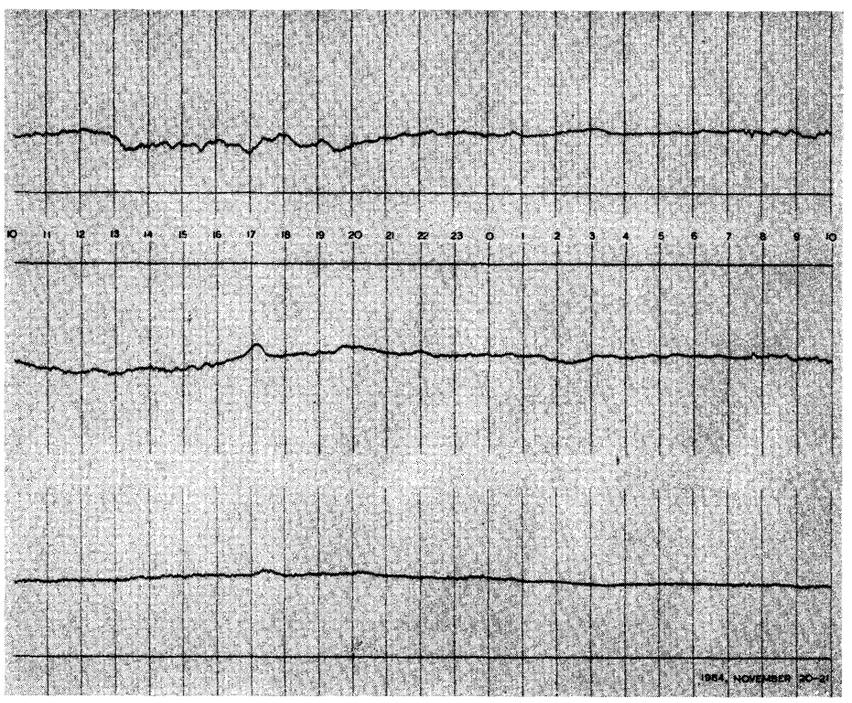
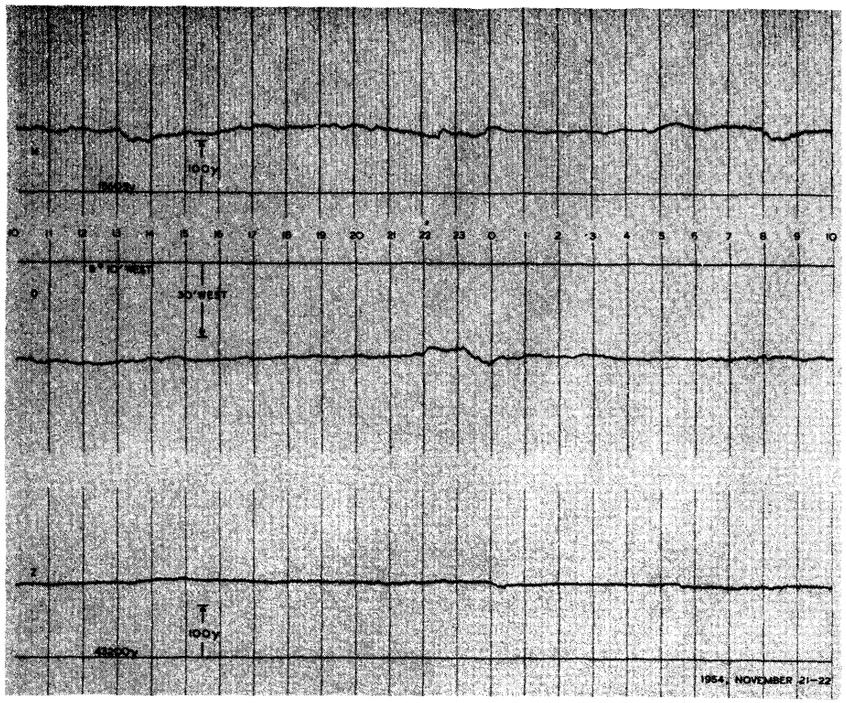
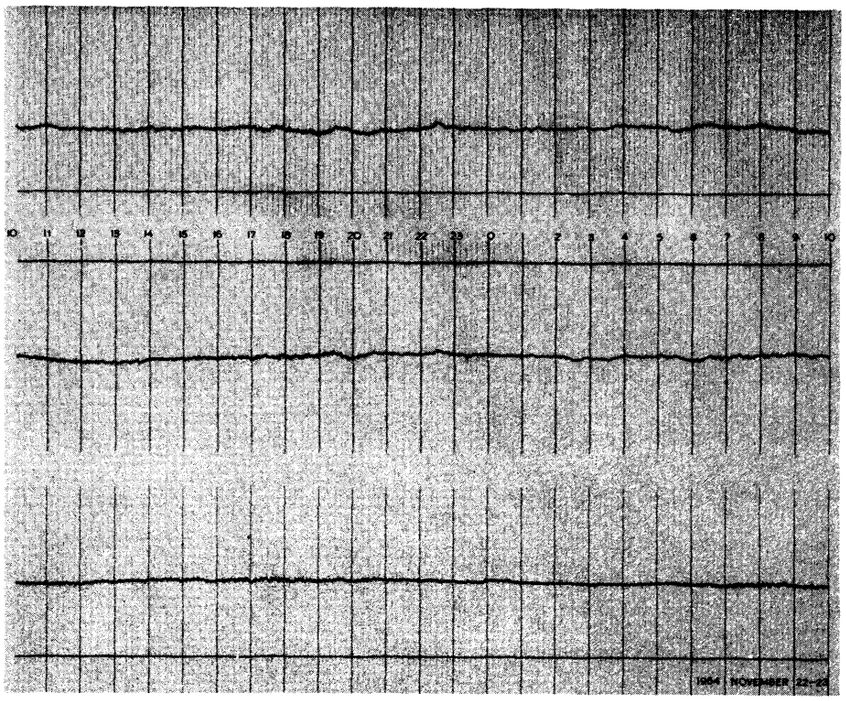
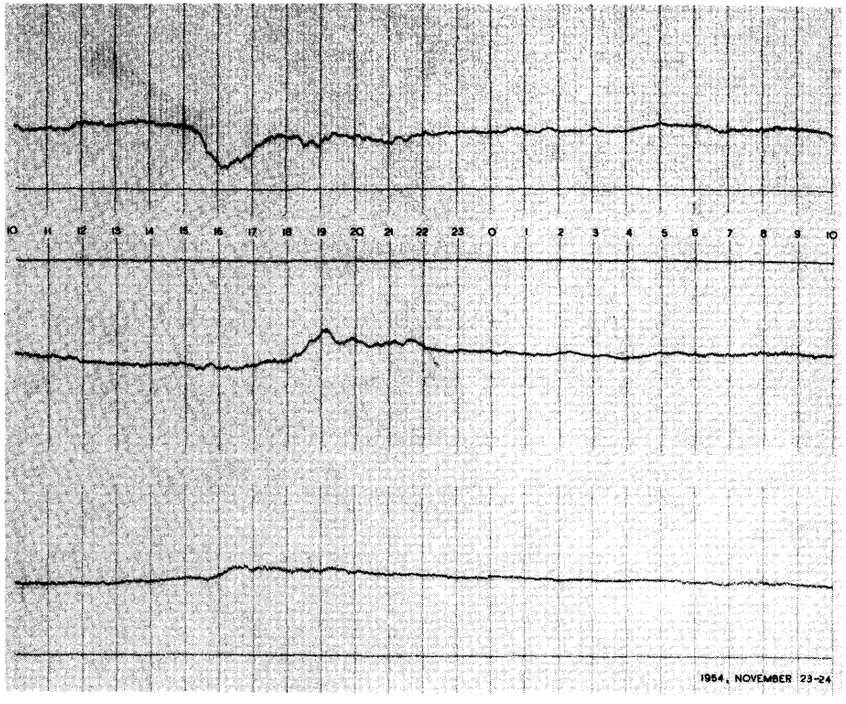
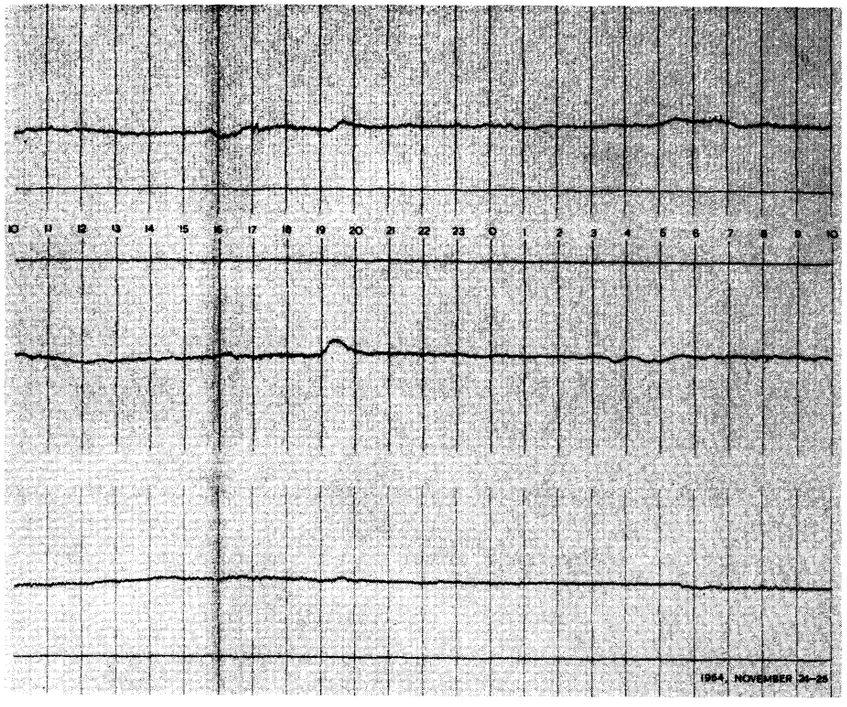
1954, NOVEMBER 19–20

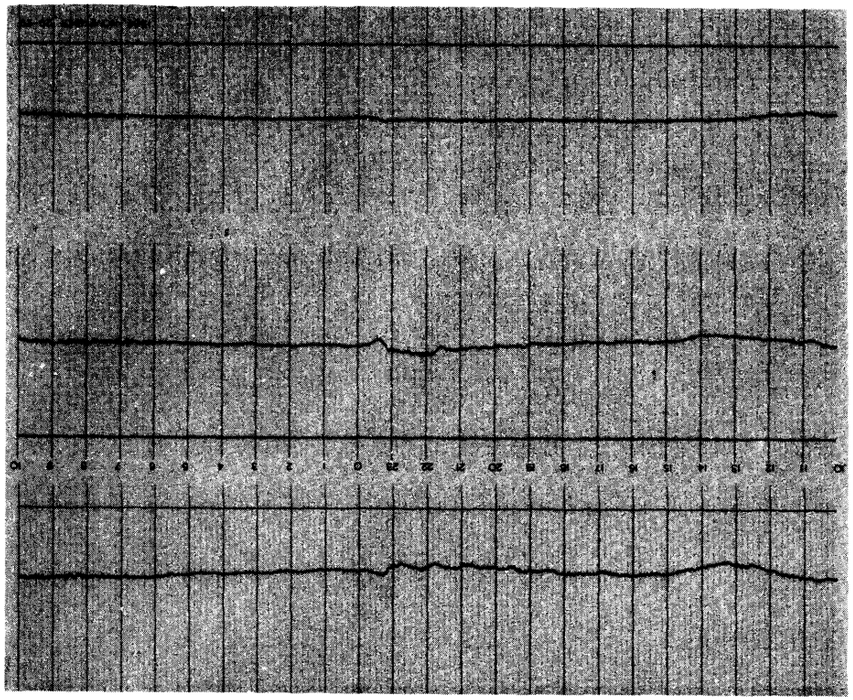

10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954, NOVEMBER 20–21

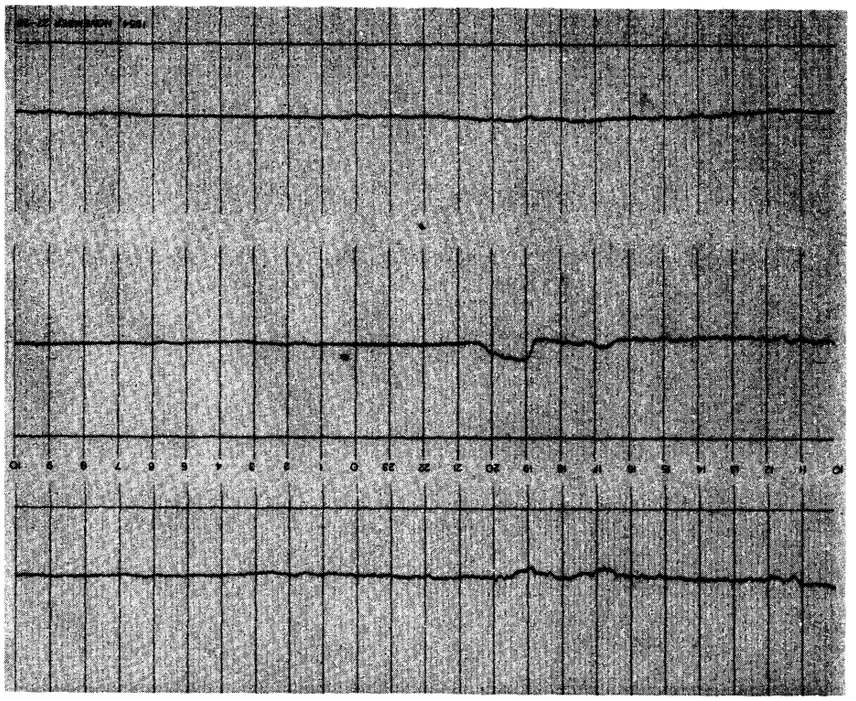

H
T
100γ
D
5° 10' WEST
20' WEST
Z
T
100γ
1954, NOVEMBER 21–22

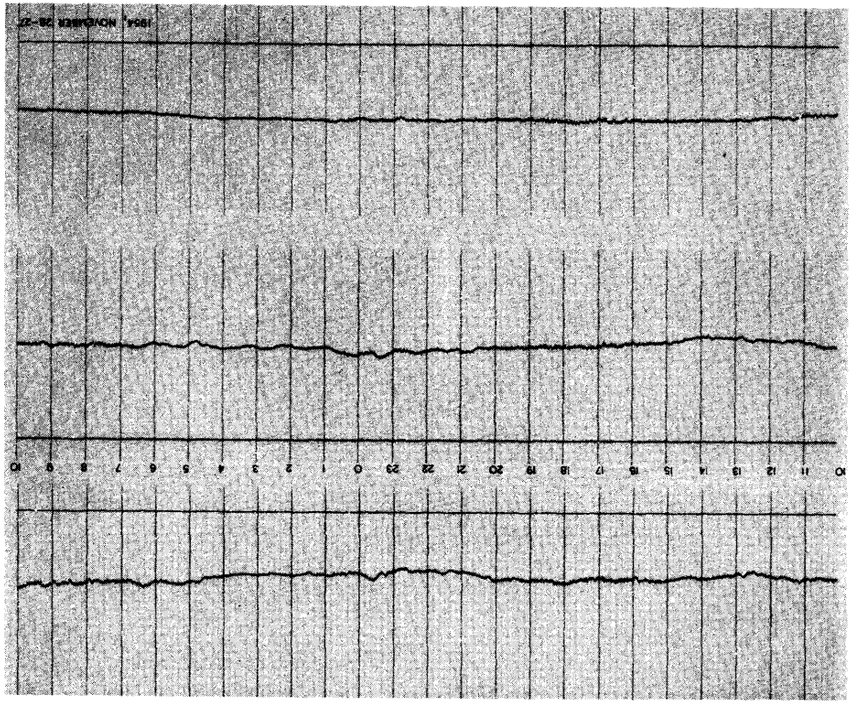

1954, NOVEMBER 22–23

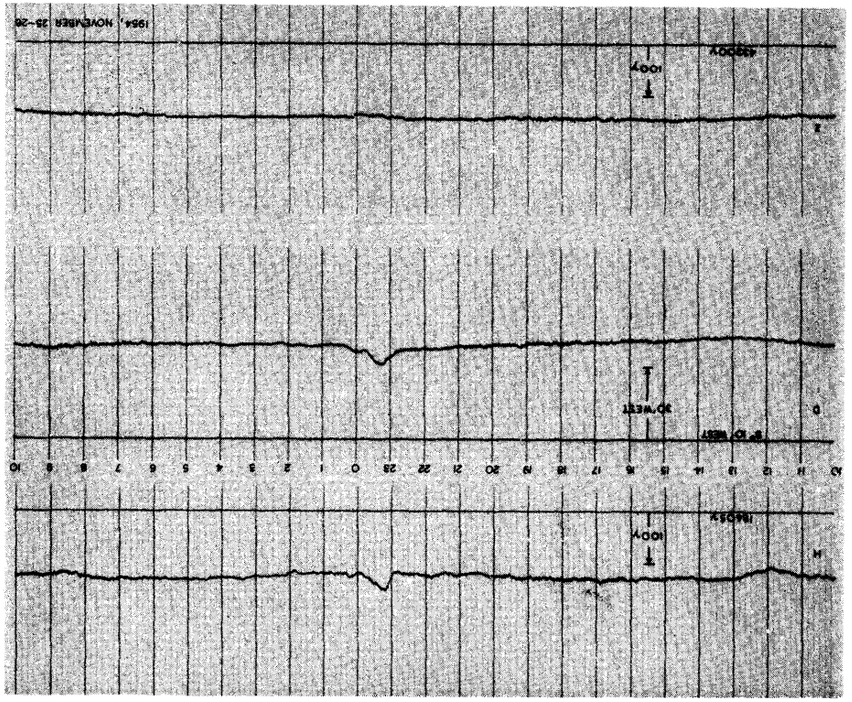

1954, NOVEMBER 23–24

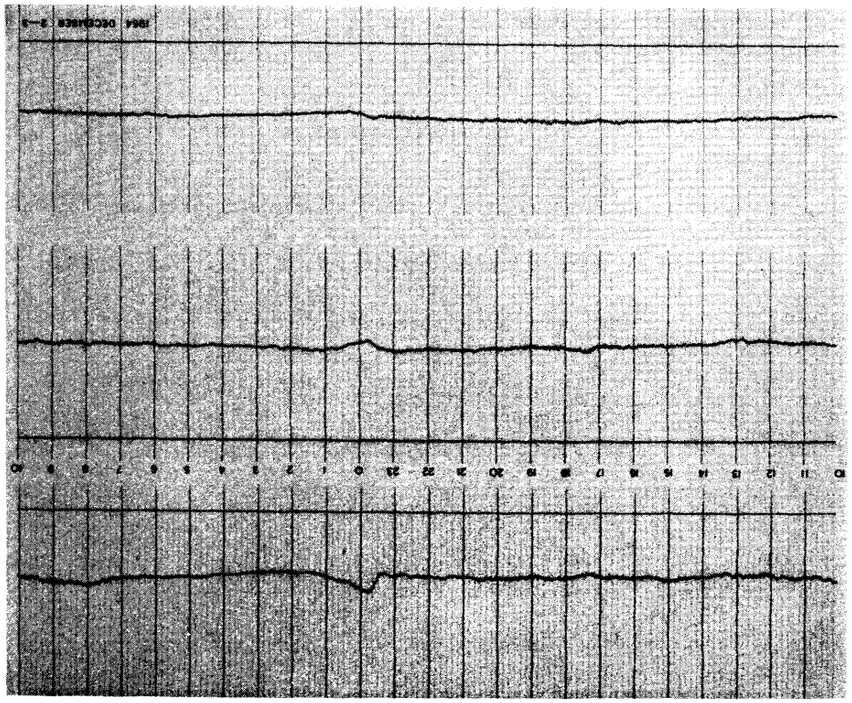

1954, NOVEMBER 24–25

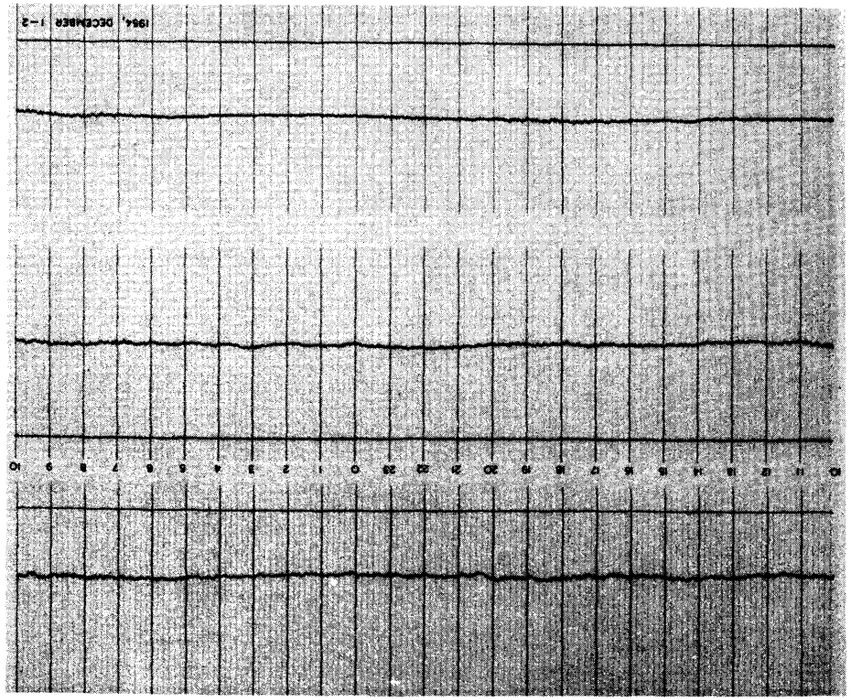


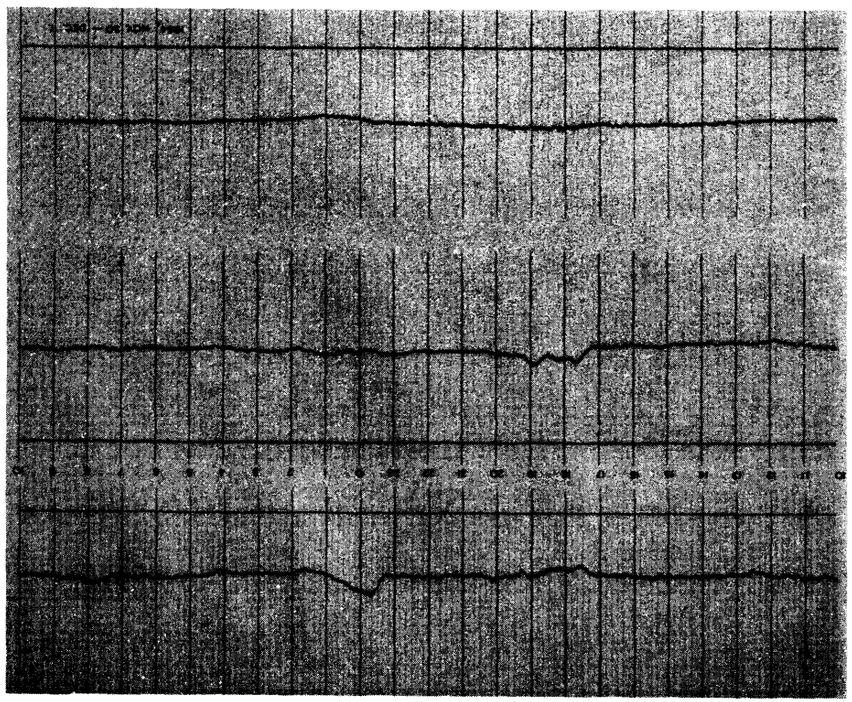


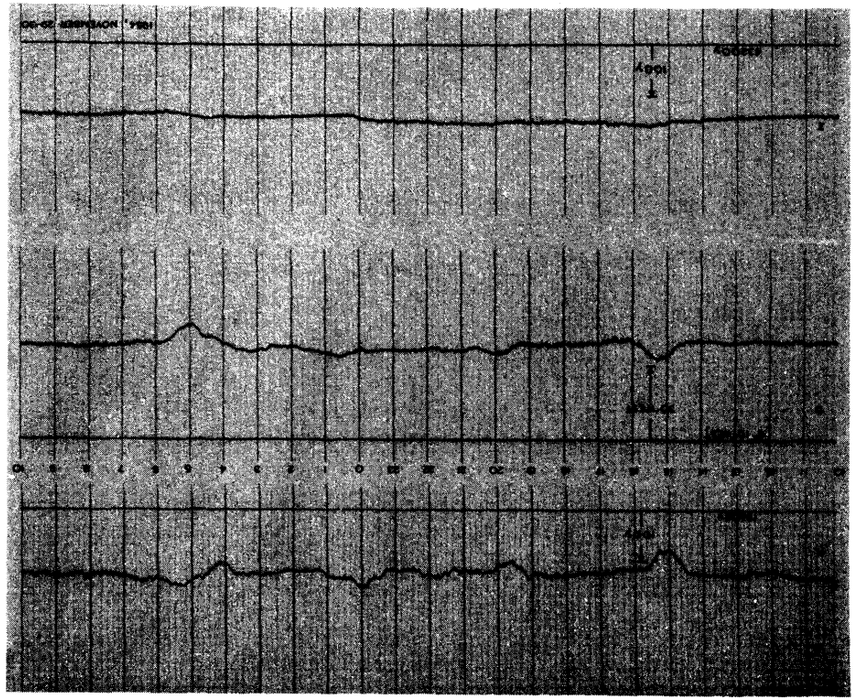



1954 NOVEMBER 25-26
100μV
30" WEST
100μV







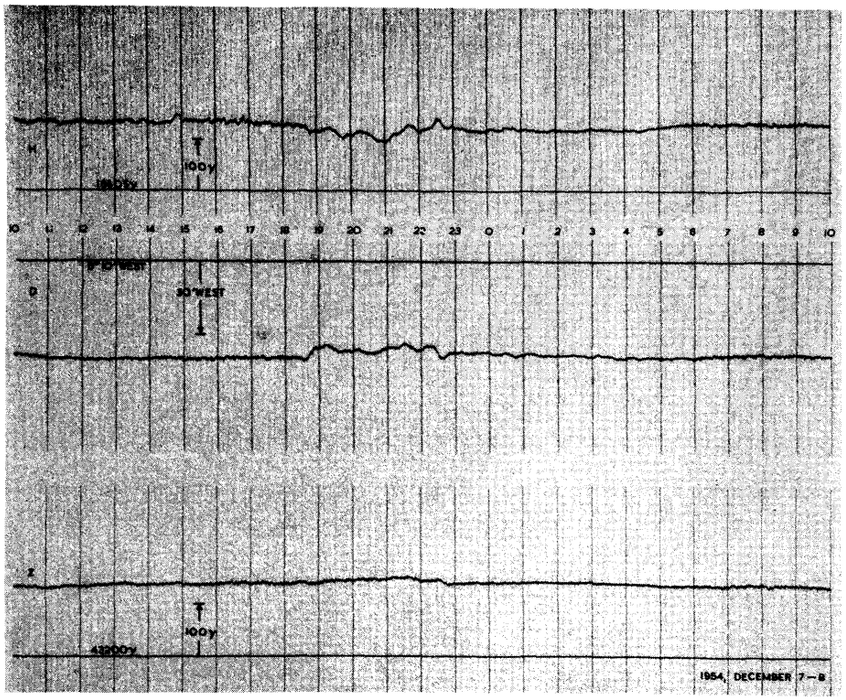


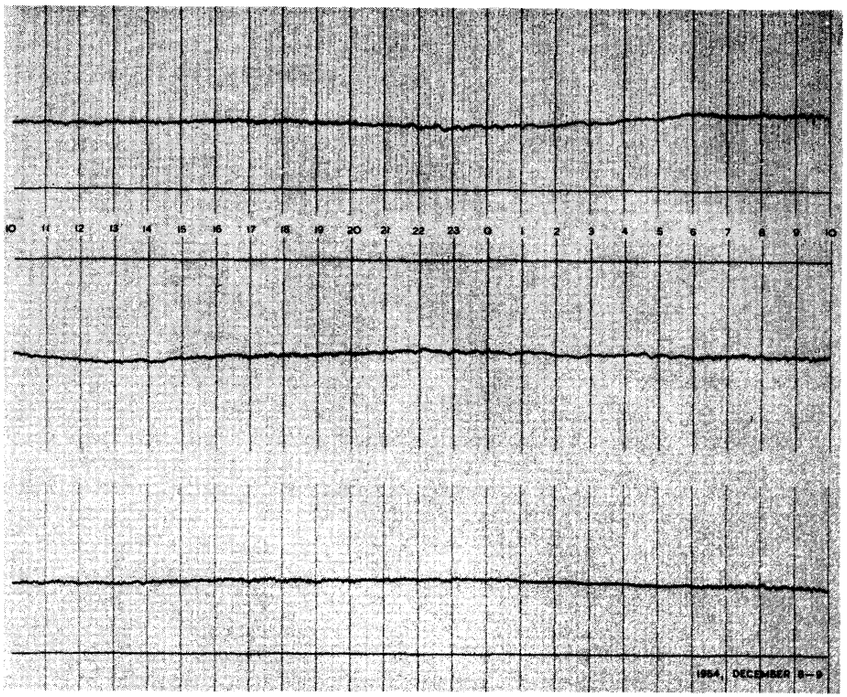
1954, DECEMBER 4—5

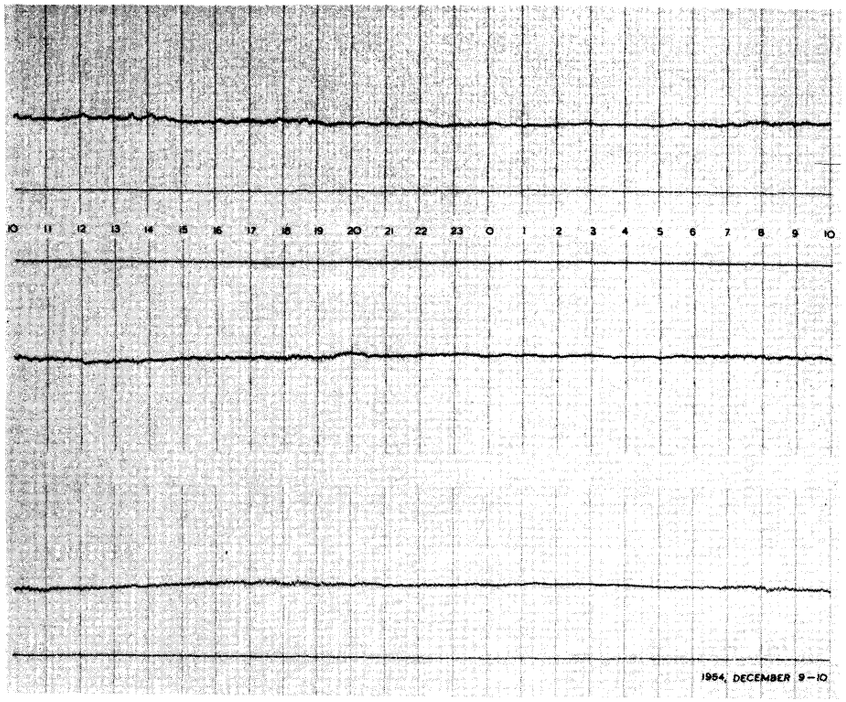
1954, DECEMBER 3—4
100γ
100γ

1954, DECEMBER 5—6

1954, DECEMBER 2—3


H
18800γ
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
D
1° 10' WEST
30' WEST
Z
100γ
43000γ
1954, DECEMBER 7—8


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954, DECEMBER 8—9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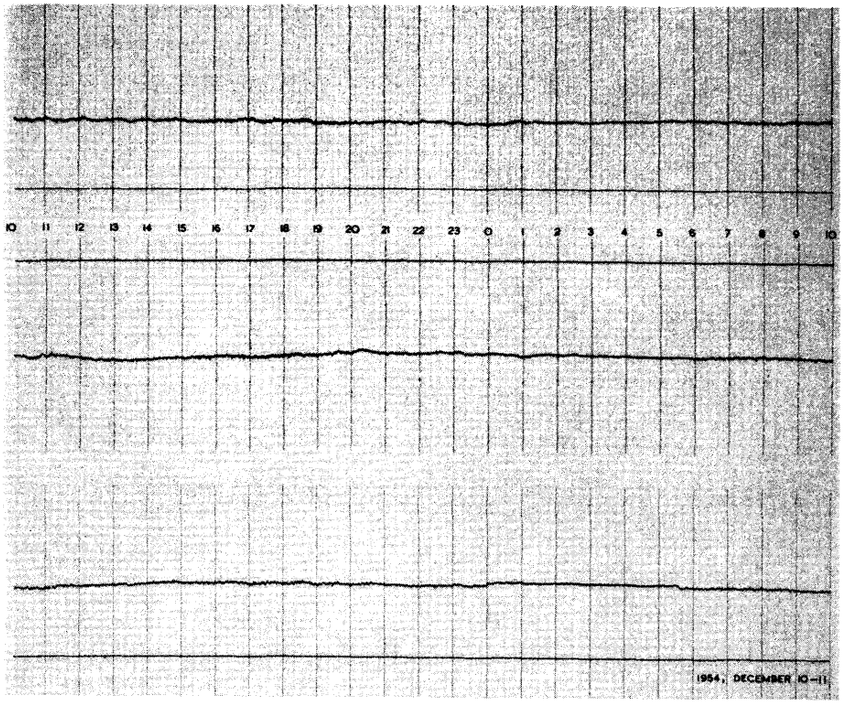
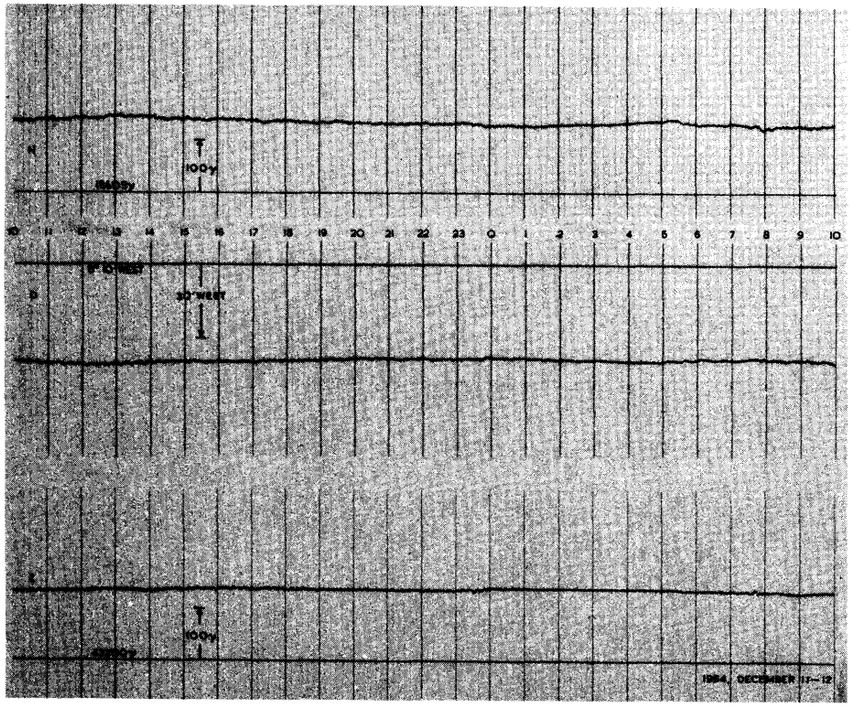
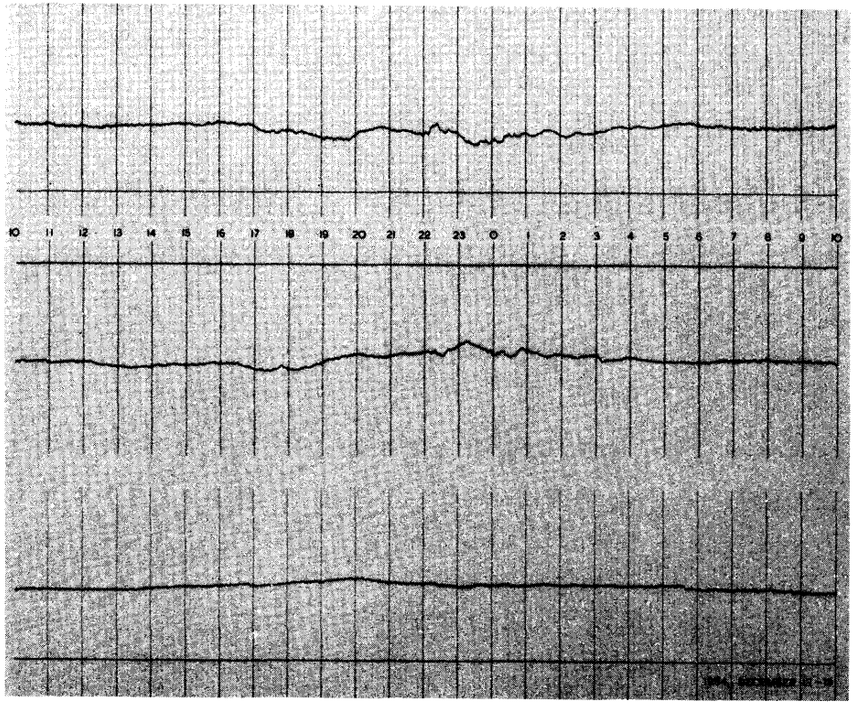
1954, DECEMBER 9—10


10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1954, DECEMBER 10—11


N
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
E
30° WEST
100γ
1954 DECEMBER 11–12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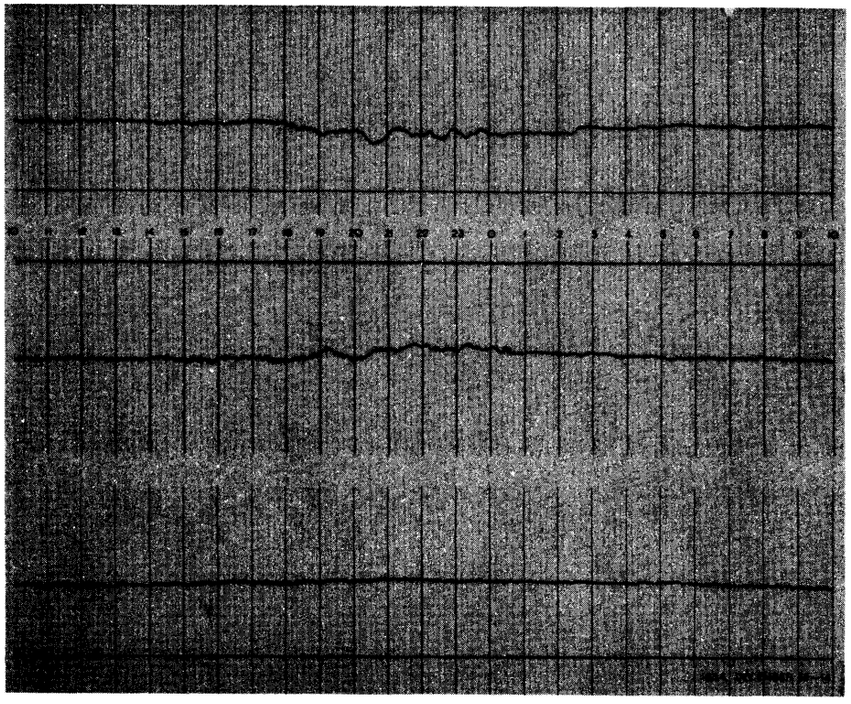

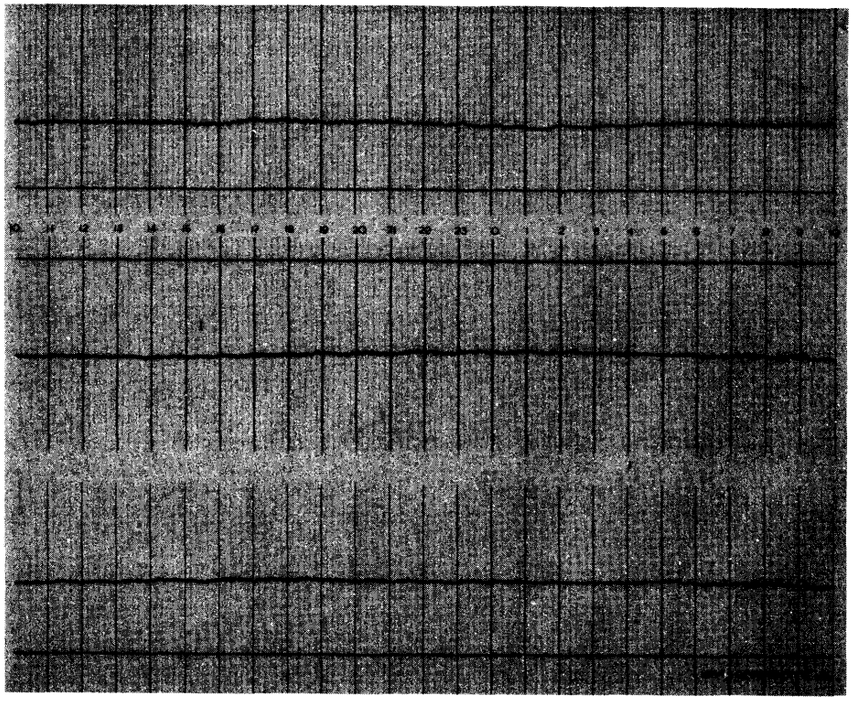

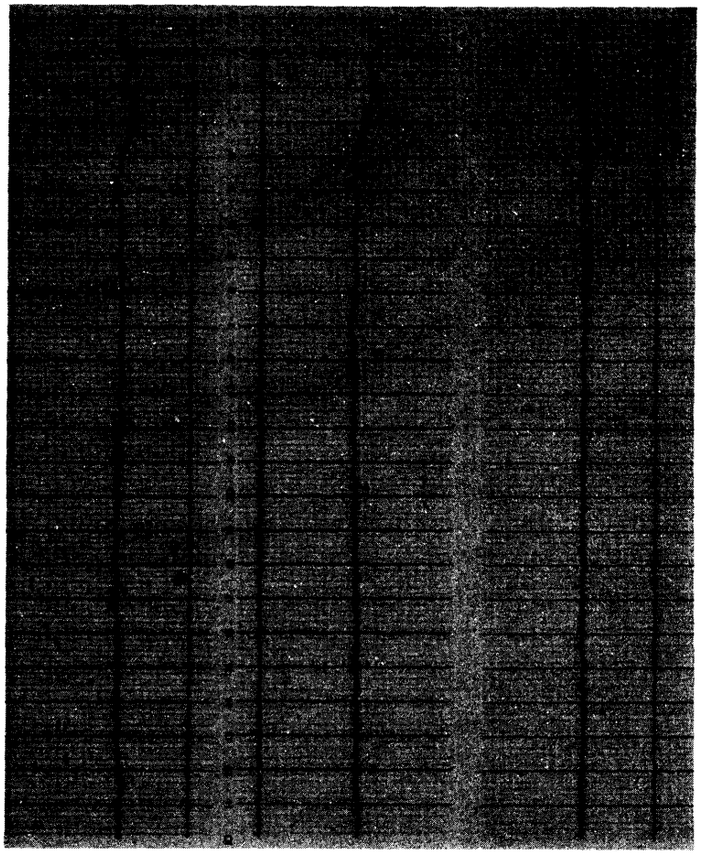

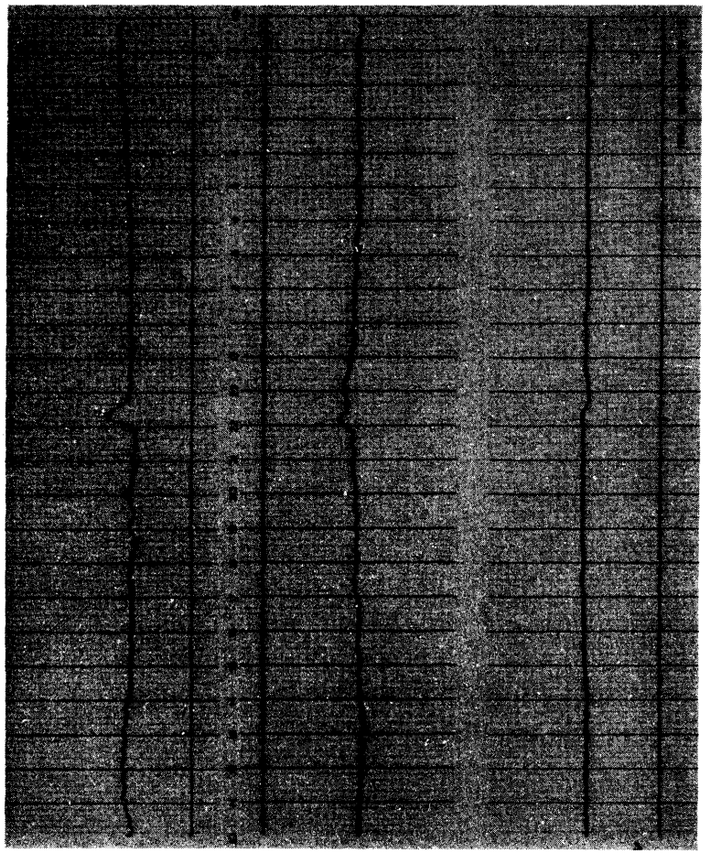

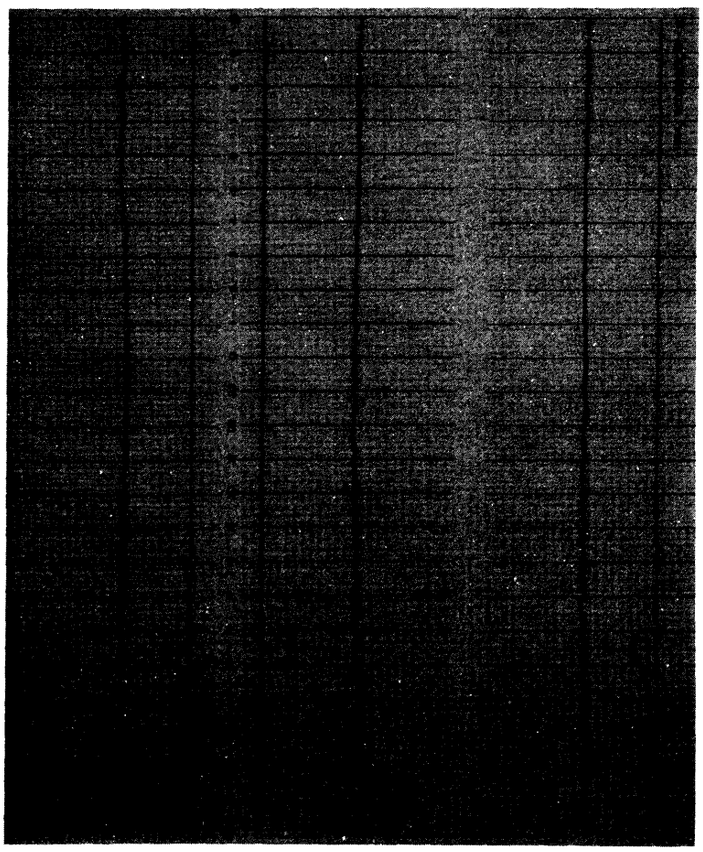

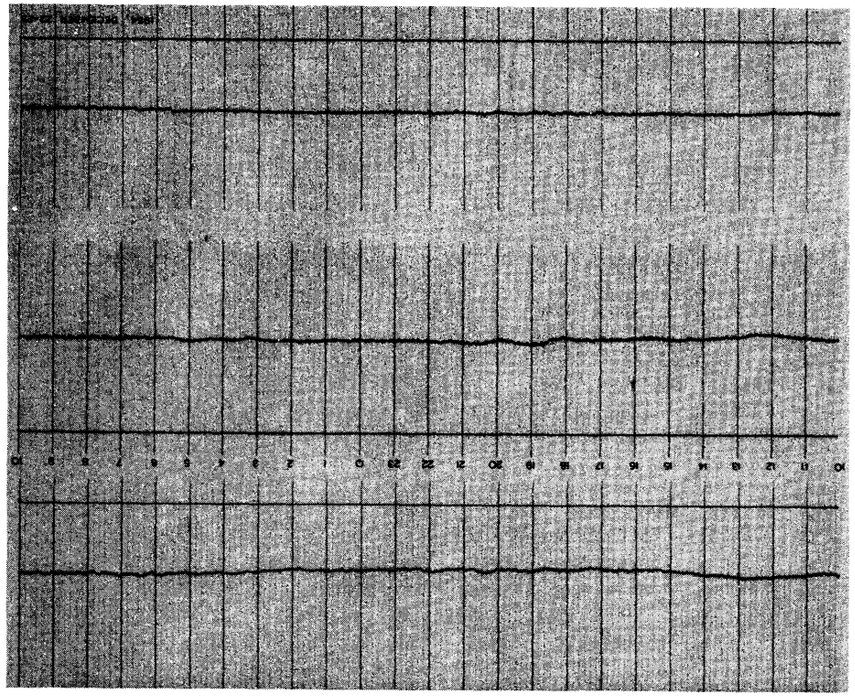

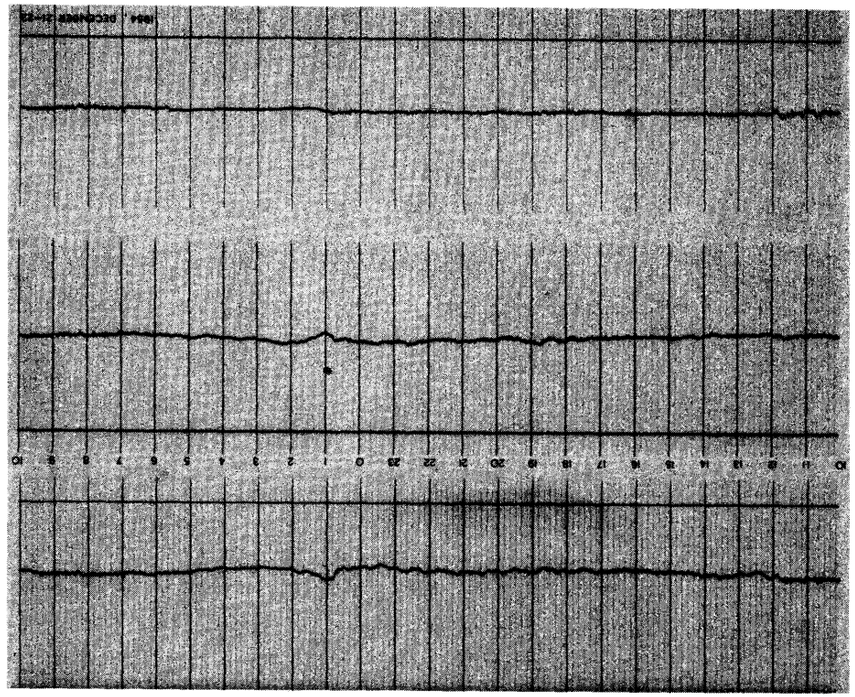

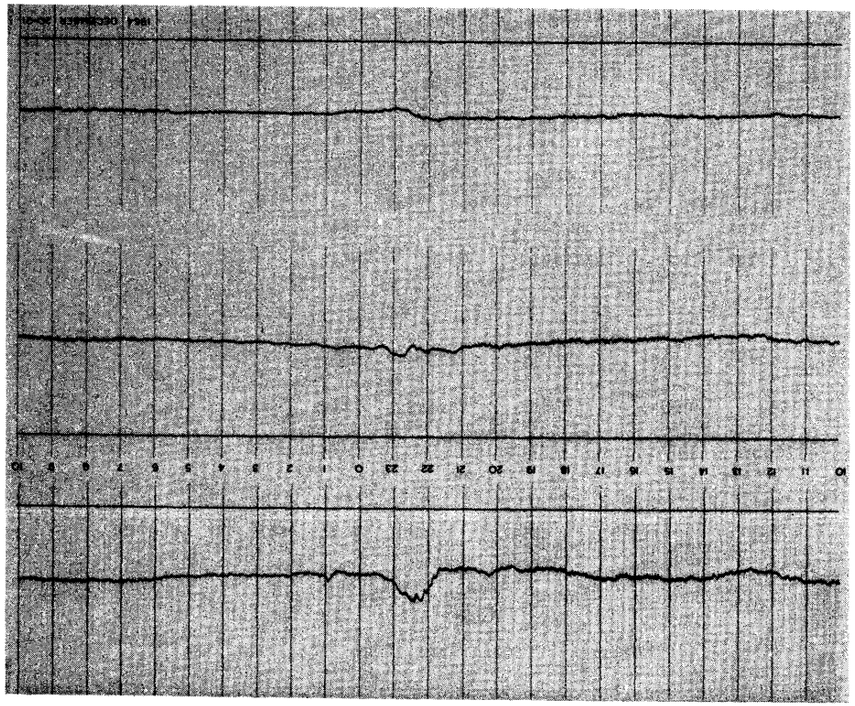

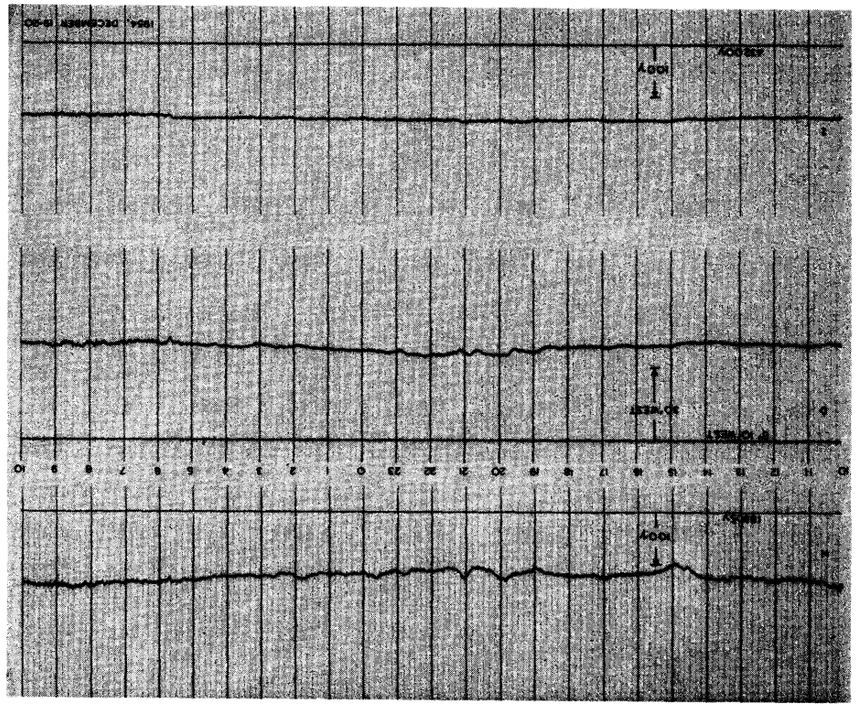

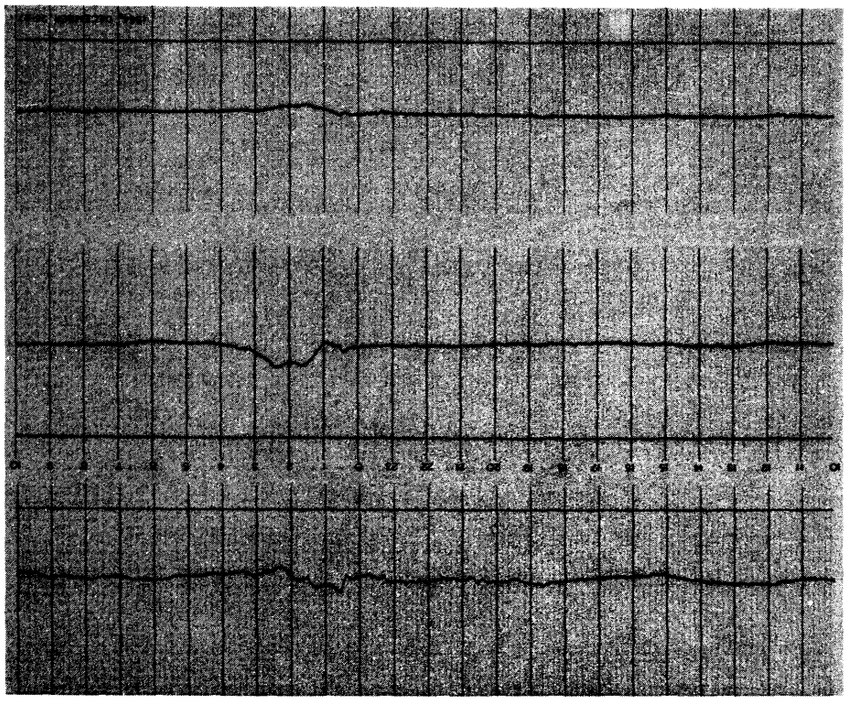

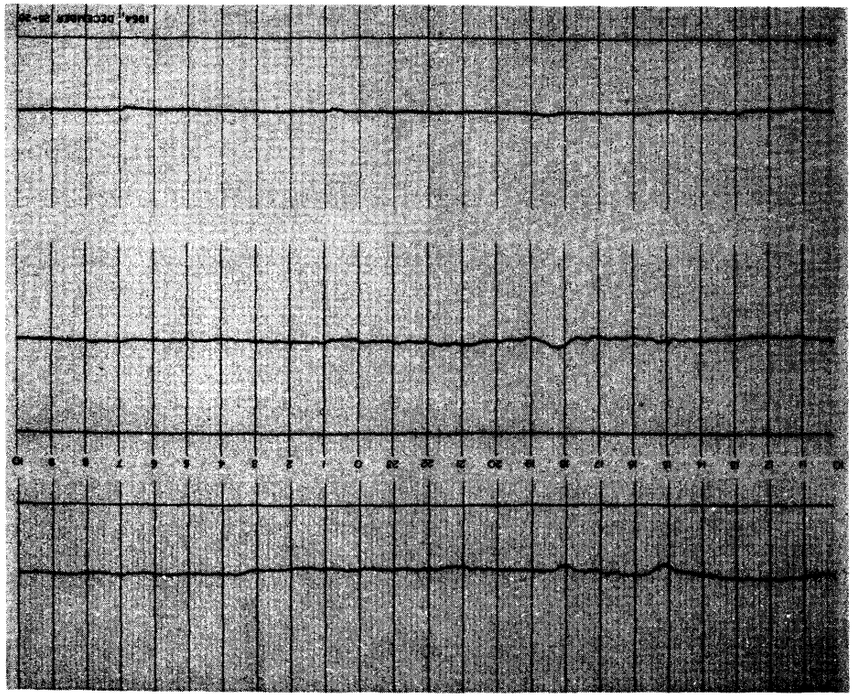

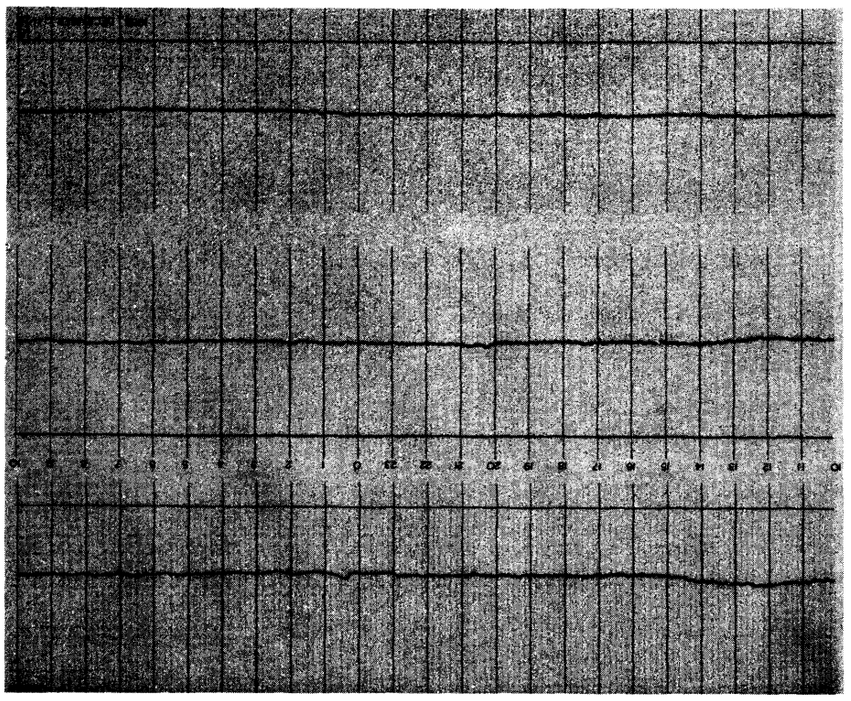

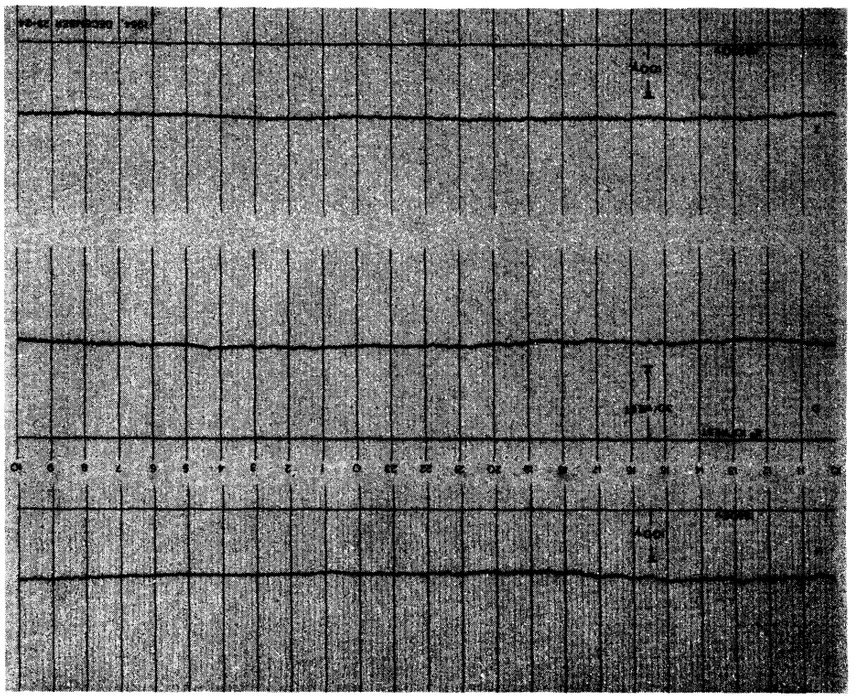

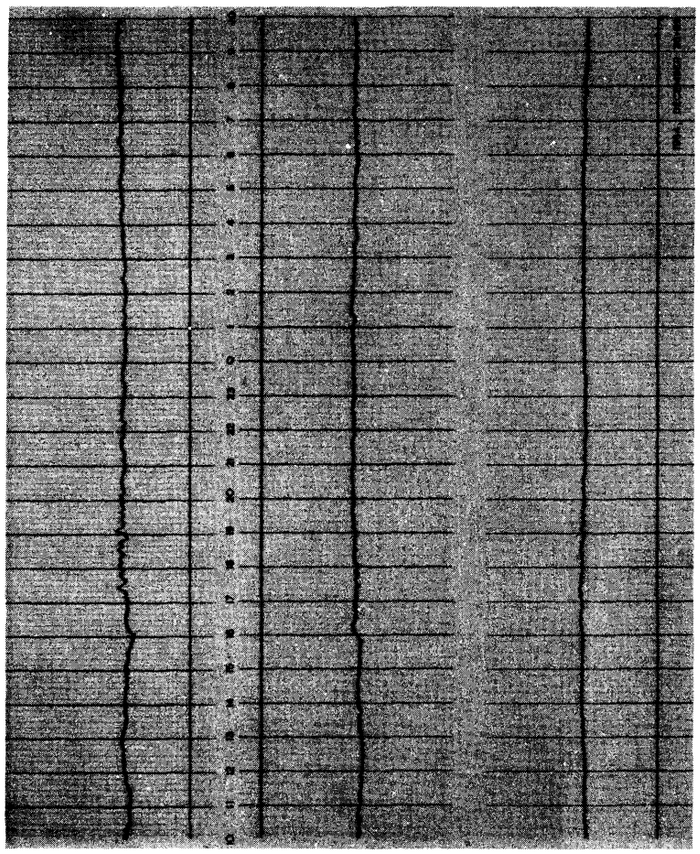

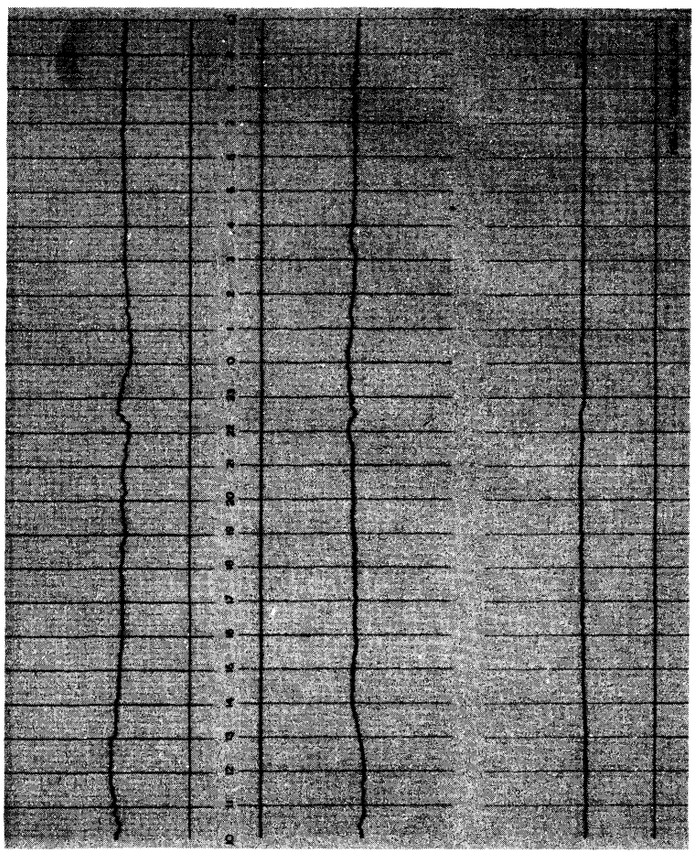

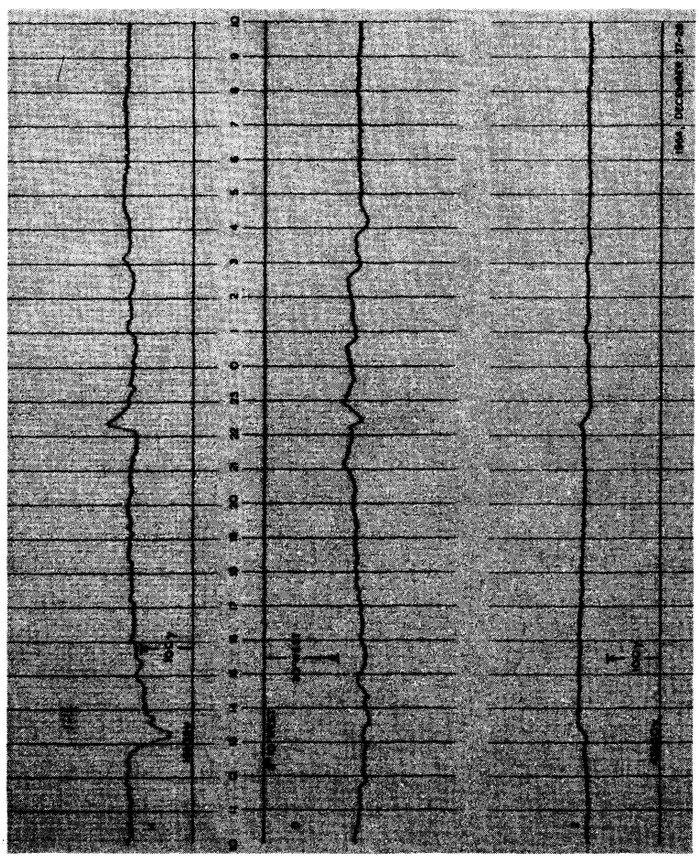

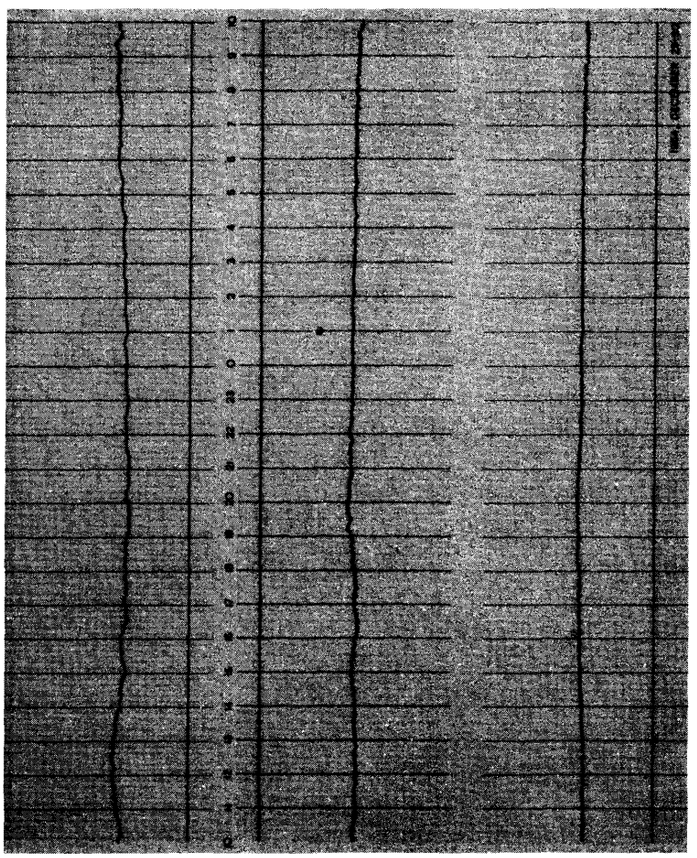

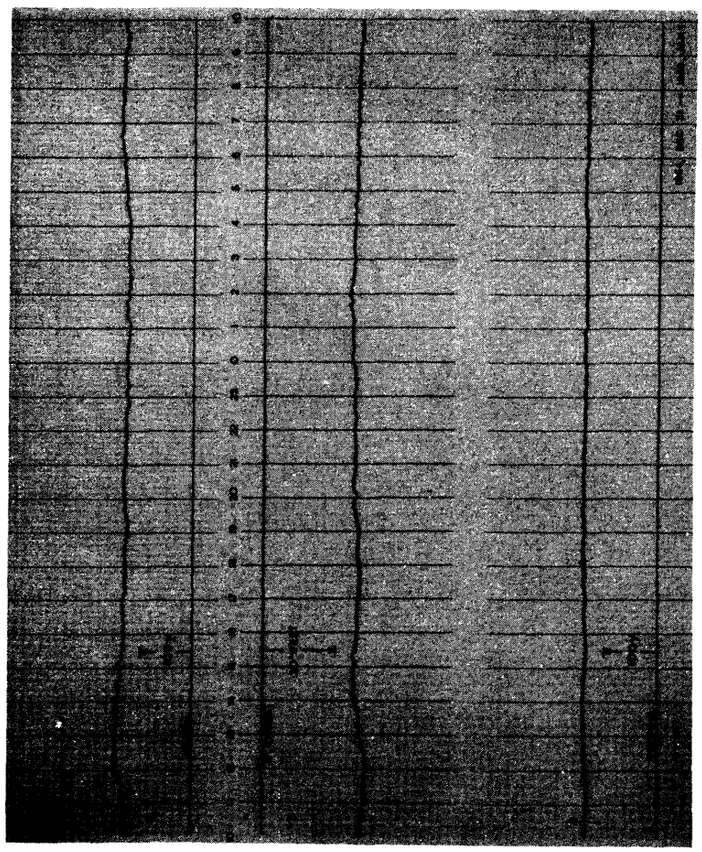

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