RESULTS OF THE MAGNETIC OBSERVATIONS

Made at the

Royal Greenwich Observatory, Abinger

in the year

1953

UNDER THE DIRECTION OF

SIR HAROLD SPENCER JONES, Sc.D., F.R.S.

ASTRONOMER ROYAL

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1958

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THE ROYAL GREENWICH OBSERVATORY

ABINGER MAGNETIC OBSERVATIONS, 1953

STAFF

Staff engaged in the Magnetic department during the year 1953 were:- H. F. Finch (Superintendent), E. A. Chamberlain (Officer-in-Charge at Abinger), P. L. Rickerby, G. F. Wells, B. R. Leaton, R. G. Lorton, D. R. A. Christie and R. W. Teague.

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.

I, An Earth inductor by the Cambridge Instrument Company is used as a check on the inclination.

The azimuth of the mark used for declination observations is checked regularly by observations of Polaris.

The values of the electrical constants, used in the reduction of observations made with Schuster-Smith and Dye Coils, were verified at the National Physical Laboratory in June.

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

ABINGER MAGNETIC OBSERVATIONS, 1953.

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

1953

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
January	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	58.7	58.1	59.4	62.3	58.7	60.7	61.4	61.4	61.7	63.2	62.8	64.1	63.0	63.6	62.6	62.0	62.0	64.0	58.6	55.3	58.2	57.6	57.7	57.3	
2	59.4	60.2	60.8	60.8	61.6	61.6	61.6	61.8	63.3	63.3	61.4	63.1	63.2	62.2	63.7	57.8	62.2	58.9	51.8	56.6	60.4	58.2	58.2	58.3	
3	58.1	59.4	60.5	60.8	61.2	61.2	61.6	61.4	61.5	61.3	61.6	62.3	63.8	63.6	63.0	61.1	62.2	61.9	58.3	59.2	59.2	59.2	59.2	59.8	
4 *	59.8	61.0	61.7	60.1	60.3	60.8	60.7	60.8	60.9	61.1	61.3	61.7	62.1	62.2	62.6	62.5	62.4	63.5	63.8	62.8	61.7	60.8	60.2	60.5	
5 **	60.5	60.2	60.2	60.8	60.8	61.6	63.1	62.4	72.1	71.2	66.8	65.9	68.8	62.8	61.2	61.2	60.4	63.5	57.6	61.2	60.8	56.5	52.6	54.4	
6	58.6	58.0	58.6	59.4	60.4	60.2	60.7	60.9	61.0	61.4	61.8	62.8	62.1	61.8	61.8	60.2	64.5	62.7	62.1	60.1	60.1	60.7	60.5	59.5	
7	59.3	59.5	60.0	60.4	61.1	61.4	61.1	61.3	62.6	63.4	63.4	63.7	63.5	62.6	63.7	64.2	64.2	62.3	60.6	60.5	59.8	60.1	59.6	60.6	
8	59.6	59.6	61.3	57.8	59.1	59.6	59.9	60.0	60.6	61.6	63.3	63.0	63.0	62.0	60.4	60.6	60.3	60.3	60.3	59.3	59.5	59.8	59.6	59.6	
9	61.0	59.6	60.5	61.0	60.6	60.2	59.9	59.9	60.8	62.4	63.0	63.1	63.5	61.9	61.6	61.2	61.0	61.5	61.4	60.6	57.2	59.2	60.5	59.9	
10 *	60.6	61.0	61.2	60.6	60.6	60.6	60.6	60.5	60.6	61.6	62.3	63.6	63.6	62.0	60.5	60.6	61.3	61.1	61.6	61.6	61.5	59.6	58.5	59.6	
11	55.9	55.4	58.6	59.1	59.2	60.6	60.2	60.0	59.6	60.9	62.5	63.6	64.3	62.6	61.3	60.9	60.9	61.0	61.0	60.9	59.1	60.5	60.3	60.0	
12	59.9	58.9	58.5	58.0	58.9	59.6	59.0	59.3	59.5	61.0	62.3	63.0	63.0	63.0	61.4	60.5	60.5	61.0	61.2	61.0	61.0	60.8	60.8	60.3	
13	60.0	59.8	59.6	59.5	60.0	60.0	60.6	60.0	60.3	61.2	62.9	64.6	66.6	65.6	63.6	61.9	61.0	60.8	60.9	61.6	61.4	59.9	60.2	61.0	
14	59.3	59.7	58.7	57.0	58.3	58.7	59.4	59.3	59.7	60.8	61.7	63.0	64.2	62.9	61.5	61.5	60.7	61.0	60.1	59.7	60.3	59.8	59.7	60.7	
15 *	60.7	61.4	60.5	60.3	60.7	60.5	60.3	60.0	60.7	60.7	61.7	62.7	64.5	63.9	62.0	61.7	61.0	61.7	60.9	60.4	60.0	59.9	57.4	59.0	
16 *	59.9	60.7	60.9	60.6	60.7	60.7	60.7	60.1	60.3	60.4	61.4	62.1	63.6	62.9	63.3	63.4	63.2	62.7	61.4	60.4	60.1	60.0	59.8	59.7	
17 *	59.9	60.7	61.3	61.2	60.7	60.7	61.0	60.7	60.9	61.0	61.0	61.7	62.7	63.0	62.1	62.1	62.2	62.2	61.7	61.7	60.4	60.1	58.0	59.1	
18	60.6	61.7	61.7	62.0	60.6	60.3	60.6	60.4	61.1	62.1	62.2	63.5	64.7	66.1	64.1	65.8	63.1	60.3	61.3	57.1	57.1	58.3	59.0	60.0	
19 **	60.4	60.0	59.7	64.5	63.0	63.4	62.7	65.2	62.7	62.1	64.7	64.5	64.8	65.1	65.9	63.7	61.1	61.0	60.8	59.1	54.1	58.4	58.7	58.7	
20	61.1	59.7	61.1	61.4	59.4	59.7	60.5	60.8	62.5	64.3	63.4	63.8	63.7	63.2	62.1	61.7	61.7	61.4	61.1	59.7	57.9	58.7	58.7	59.7	
21	60.7	59.2	58.9	60.5	60.9	61.1	61.7	61.1	61.6	62.1	62.3	62.4	61.7	62.3	61.8	61.6	61.2	61.5	60.5	60.4	59.4	59.1	56.8	57.7	
22	59.5	60.7	60.2	61.7	59.9	60.3	61.0	60.8	60.5	60.7	60.9	61.5	61.8	61.9	62.0	62.0	62.0	61.7	61.7	60.6	60.1	58.3	59.1	59.6	
23	60.2	56.8	56.9	58.2	59.7	60.1	60.6	60.4	61.3	60.9	61.0	61.7	62.4	62.7	62.1	61.8	61.7	61.5	61.6	60.3	59.7	60.0	60.0	60.3	
24	60.6	60.7	60.7	60.9	60.7	60.7	60.7	60.7	60.7	61.7	62.1	63.9	65.1	64.7	64.7	65.0	67.2	64.2	63.3	60.0	57.2	58.0	59.0	59.9	
25	59.9	59.9	60.4	60.6	60.7	60.7	60.7	60.4	59.9	60.7	62.3	64.1	68.3	64.8	65.2	65.5	62.7	62.5	60.7	59.1	56.6	56.4	57.7	52.7	
26 **	54.5	54.7	53.7	57.8	56.0	58.0	59.2	59.7	60.9	61.9	63.8	66.5	64.1	64.7	63.9	63.0	56.8	53.1	56.7	55.3	57.0	55.1	51.9	52.2	
27 **	55.4	60.7	65.7	61.7	60.1	60.6	60.1	59.3	60.0	61.0	62.7	64.5	65.3	67.1	65.7	62.7	61.1	61.3	44.3	52.2	60.4	59.4	59.7	60.3	
28 **	60.1	60.3	59.7	61.1	60.1	59.7	61.2	60.1	60.1	61.4	62.7	63.6	63.7	65.2	63.2	58.2	55.5	62.2	58.5	53.2	52.2	57.2	64.8	59.1	
29	55.7	58.7	53.6	58.6	58.8	58.9	59.2	60.5	61.1	62.1	62.6	62.7	65.2	64.3	64.7	59.7	58.7	60.3	56.1	56.3	59.3	58.7	58.3	59.6	
30	61.1	61.4	57.2	57.3	57.5	58.9	59.1	61.5	62.5	62.3	62.5	62.0	62.3	63.7	62.7	62.5	59.9	56.5	60.0	58.7	58.1	59.3	58.8	59.1	
31	62.6	59.1	57.5	57.3	61.0	57.5	59.5	59.4	59.7	60.7	62.5	64.0	65.0	62.3	62.0	60.7	59.9	59.7	59.7	58.3	59.3	59.1	58.5	58.7	
Mean	59.5	59.6	59.7	60.1	60.0	60.3	60.6	60.6	61.3	62.0	62.5	63.3	64.0	63.4	62.8	61.9	61.4	61.2	59.7	59.1	59.0	59.0	58.8	58.9	
Mean *	60.2	61.0	61.1	60.6	60.6	60.7	60.7	60.4	60.7	61.0	61.5	62.4	63.3	62.8	62.1	62.1	62.0	62.2	61.9	61.4	60.7	60.1	58.8	59.6	
Mean **	58.2	59.2	59.8	61.2	60.0	60.7	61.3	61.3	63.2	63.5	64.1	65.0	65.3	65.0	64.0	61.8	59.0	60.2	55.6	56.2	56.9	57.3	57.5	56.9	
February	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 *	58.9	59.7	59.7	59.5	58.8	58.4	59.0	59.1	59.5	60.7	62.0	63.0	62.7	62.4	61.6	60.7	60.5	60.6	60.1	60.1	60.1	57.5	58.0	59.7	
2	59.9	59.1	59.0	60.3	58.7	59.0	59.4	60.1	60.2	60.1	61.1	63.3	64.9	64.4	62.7	61.8	61.4	61.7	61.7	60.4	59.0	58.7	58.4	59.0	
3	58.9	58.6	59.1	57.6	58.4	59.4	59.6	59.7	60.1	60.1	61.0	61.9	62.1	62.4	62.0	61.5	61.3	61.3	61.1	60.4	60.0	59.5	58.7	59.7	
4	59.7	59.8	59.3	59.6	59.3	60.3	60.3	60.5	60.7	60.1	61.7	62.7	63.2	65.5	64.9	62.0	62.2	61.7	60.2	60.7	60.1	59.6	59.7	59.7	
5 *	59.8	60.1	60.3	60.5	60.5	60.4	60.5	59.9	60.1	59.7	60.1	61.1	62.8	63.3	63.0	61.9	61.5	61.7	61.2	59.7	60.1	60.0	59.9	59.9	
6 *	59.7	59.7	60.0	60.1	60.3	60.3	60.3	60.2	60.1	59.6	59.8	61.4	62.3	62.8	62.0	61.4	61.3	61.0	60.8	60.5	60.2	59.7	59.6	59.5	
7 *	59.5	59.8	60.1	60.5	60.5	60.0	60.2	59.8	59.4	59.5	60.1	61.7	63.1	63.9	62.9	61.8	61.2	61.2	60.9	60.5	60.3	59.9	59.9	59.5	
8	59.8	59.8	60.4	60.2	60.1	59.8	59.8	59.9	59.8	59.6	59.8	61.7	63.2	64.5	64.0	62.6	61.5	61.5	60.8	60.8	60.5	60.1	59.8	56.8	
9	60.0	57.8	58.5	58.7	59.7	60.7	60.0	59.8	59.5	58.9	59.5	61.8	64.5	66.5	64.6	64.4	61.5	60.5	61.0	60.5	59.7	53.0	54.5	56.7	
10	57.0	57.5	59.2	59.7	59.8	59.4	59.6	59.8	60.1	60.4	62.0	63.8	63.8	64.2	62.5	62.5	64.1	65.0	65.0	64.6	63.9	60.5	58.6	58.5	
11	57.7	57.9	55.2	57.5	59.4	59.2	59.5	59.5	60.8	60.6	60.9	62.1	63.3	62.8	62.2	61.6	60.7	60.6	60.4	60.4	59.1	57.5	59.5	59.5	
12	59.5	59.0	59.4	58.8	59.4	59.0	59.5	59.5	59.5	59.1	59.9	62.0	63.8	63.9	62.6	61.5	60.4	59.9	58.5	59.7	59.4	59.0	59.5	59.7	
13 *	59.9	60.0	60.0	59.7	59.5	59.0	58.9	59.2	59.8	60.5	61.2	62.8	63.4	62.7	61.9	62.0	62.4	62.8	61.7	60.8	60.4	56.7	56.6	58.8	
14	59.7	58.8	55.9	56.5	57.3	58.5	58.5	58.7	59.9	61.3	62.7	62.5	62.8	62.7	62.1	61.8	62.2	61.5	61.5	54.5	58.9	59.9	59.5	59.0	
15	58.8	59.1	57.4	57.4	58.4	57.9	58.5	59.6	61.0	60.9	61.2	62.8	63.2	64.2	61.9	61.5	61.4	61.9	61.5	60.1	60.7	60.0	60.0	54.7	
16	51.9	55.5	58.9	58.6	58.9	59.4	59.8	59.8	60.8	61.8	62.5	63.2	63.8	64.1	65.1	64.1	55.1	57.6	60.9	60.9	60.0	60.1	59.7	59.7	
17	59.2	59.1	59.1	59.9	60.3	59.0	59.8	60.0	60.5	61.8	62.1	62.6	62.5	62.5	62.1	61.9	61.7	61.8	61.2	60.5	59.8	58.9	59.0	58.8	
18	59.1	59.5	59.6	59.6	59.8	59.5	59.9	59.9	60.0	60.0	61.0	62.4	63.1	63.2	62.5	62.0	61.0	61.3	61.1	60.3	59.8	59.5	58.5	55.1	
19	59.3	59.6	58.4	59.7	59.5	58.3	59.6	60.0	60.0	60.1	60.5	61.8	63.0	62.5	62.3	61.5	60.5	60.5	59.9	58.1	58.5	58.5	58.6	59.8	
20	61.2	58.8	59.3	59.5	59.2	58.9	59.1	59.2	59.5	60.0	60.9	62.5	63.5	63.2	62.2	60.9	60.6	60.3	59.5	59.5	59.6	59.8	59.9	59.7	
21	59.7	61.7	56.7	56.8	56.3	57.9	59.9	58.1	59.5	59.8	60.8	62.1	62.6	61.8	61.5	62.5	62.3	61.5	61.5	59.9	58.5	57.0	57.5	54.9	
22 **	57.2	61.5	57.9	57.5	57.5	57.8	58.5	59.4	59.2	59.4	60.5	63.4	65.5	65.3	66.8	67.6	66.5	66.5	62.8	55.5	55.7	47.9	45.8	55.1	
23 **	52.9	50.9	53.3	52.4	52.0	54.0	57.0	57.3	62.4	64.5	60.5	61.9	63.1	65.1	64.4	62.5	60.8	47.8	47.2	51.5	57.5	58.4	58.3	59.6	
24 **	62.5	56.5	52.8	52.8	54.8	61.3	59.2	60.3	63.9	62.5	62.2	62.8	61.9	63.4	61.5	61.5	53.5	58.5	54.1	55.0	51.5	53.5	50.0	56.5	
25 **	57.1	61.5	61.9	59.5	55.9	58.2	61.5	61.9	60.8	62.5	61.8	61.7	64.0	60.7	59.5	61.2	59.1	56.4	49.5	52.0	53.0	53.8	57.5	63.6	
26 **	57.7	55.7	57.5	56.7	56.9	57.5	59.4	62.1	59.4	59.5	60.7	62.1	65.9	62.3	64.2	58.1	62.5	57.1	52.8	53.8	56.3	55.8	54.6	56.0	
27	59.6	60.6	61.1	58.6	57.9	57.9	57.3	57.6	58.6	59.9	62.6	62.8	62.9	63.6	63.6	60.5	60.7	61.7	60.0	59.0	59.5	55.9	52.6	56.6	
28	57.9	58.3	57.3	57.2	60.3	52.7	57.0	59.1	58.9	59.9	60.7	62.0	62.7	62.2	62.1	62.0	59.7	55.8	58.7	54.3	55.9	59.0	59.0	59.5	
Mean	58.7	58.8	58.5	58.4	58.5	58.7	59.3	59.6	60.1	60.5	61.1	62.4	63.3	63.4	62.8	62.0	61.0	60.3	59.5	58.7	58.9	57.8	57.6	58.4	
Mean *	59.6	59.9	60.0	60.1	59.9	59.6	59.8	59.6	59.8	60.0	60.6	62.0	62.9	63.0	62.3	61.6	61.4	61.5	60.9	60.3	60.2	58.8	58.8	59.5	
Mean **	57.5	57.2	56.7	55.8	55.4	57.8	59.1	60.2	61.1	61.7	61.1	62.4	64.1	63.4	63.3	62.2	60.5	57.3	53.3	53.6	54.8	53.9	53.2	58.2	

* 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	58.1	58.1	57.7	58.2	58.1	59.0	58.9	58.7	58.5	60.1	62.0	63.3	64.7	64.1	62.2	61.2	59.5	59.7	59.6	59.7	57.1	56.0	57.5	58.3
2 **	57.5	55.7	56.0	60.0	58.5	54.0	57.1	58.6	63.2	65.0	62.7	61.5	62.4	62.1	62.7	63.7	48.9	56.1	44.3	42.4	51.7	54.3	58.7	57.7
3	57.7	57.0	59.1	66.5	60.0	57.0	57.3	59.4	58.8	59.7	60.7	61.7	62.1	63.2	64.0	63.7	61.8	61.7	61.3	59.9	56.1	58.4	57.7	57.5
4	56.8	58.2	58.0	57.1	58.1	58.7	59.0	58.5	57.7	58.4	60.0	62.3	64.1	64.3	64.0	63.0	61.4	58.7	58.7	59.7	59.7	59.8	59.6	59.5
5	59.1	59.1	59.7	59.7	58.7	58.7	59.4	58.7	58.3	58.6	59.7	61.7	63.7	64.2	63.2	62.6	61.6	60.9	60.9	60.2	57.5	55.3	57.4	59.2
6	59.3	59.3	58.7	58.8	58.8	58.7	59.0	58.7	58.7	58.7	59.2	60.6	62.3	63.4	62.7	62.5	61.7	61.7	62.6	61.6	61.1	60.7	57.6	57.1
7	52.6	51.7	56.7	57.5	56.9	57.3	59.7	60.5	59.7	59.7	60.0	62.0	63.4	63.7	64.2	62.8	62.3	61.7	54.6	57.0	58.6	58.7	57.8	58.2
8	58.1	57.2	55.7	55.1	56.1	58.0	58.3	58.1	57.1	58.1	59.9	62.4	62.9	65.3	65.5	67.2	65.1	65.3	63.4	61.7	49.7	47.9	46.3	40.5
9 **	52.4	52.8	54.3	56.8	54.1	54.8	59.5	58.8	59.6	59.8	60.8	62.9	64.1	66.1	65.8	64.8	60.1	61.8	61.8	58.5	54.8	55.5	56.5	58.6
10	51.0	54.3	52.8	52.9	55.2	57.4	58.4	58.4	59.4	59.4	60.7	62.2	63.6	64.2	63.6	64.3	61.6	61.2	61.1	60.7	60.6	58.1	56.8	57.5
11 *	56.8	56.6	57.2	57.7	57.2	57.2	58.1	58.5	58.8	59.3	60.3	62.3	63.7	63.7	62.8	62.3	60.9	60.8	60.7	60.5	59.3	59.3	59.5	58.8
12 *	58.7	59.0	58.3	58.2	57.9	57.8	58.1	57.4	57.4	57.9	59.8	62.7	65.2	65.5	65.1	63.8	62.5	62.0	61.6	60.2	60.2	59.8	59.0	58.7
13 *	58.8	58.8	58.8	58.2	58.3	58.1	58.3	57.8	56.8	56.8	58.5	61.5	63.8	64.6	63.8	62.8	61.0	61.4	61.4	60.4	60.4	58.8	58.8	59.2
14	59.4	56.5	58.0	58.0	59.1	59.0	58.6	57.6	56.8	57.2	58.6	61.8	63.9	64.8	64.4	63.3	61.6	61.2	59.8	60.3	57.4	56.8	53.8	57.4
15	59.3	59.3	58.8	58.8	59.4	59.4	60.8	59.6	57.2	58.2	59.8	64.8	65.5	66.1	65.4	63.2	61.5	59.8	59.6	59.8	59.8	59.1	58.8	58.3
16	56.9	56.4	55.9	57.9	59.8	59.9	59.9	58.9	58.9	57.9	58.6	60.8	62.9	63.0	62.9	61.5	59.5	59.8	60.1	59.9	58.3	53.5	56.9	57.3
17 *	59.3	59.9	60.5	60.0	59.5	59.3	59.9	58.3	56.4	56.3	57.3	60.6	63.8	65.2	64.5	63.1	61.2	60.7	59.2	57.7	59.3	59.0	59.0	59.0
18 *	59.2	59.6	59.5	59.9	59.9	59.9	59.9	58.9	57.7	57.7	59.2	62.3	64.6	65.6	65.2	64.3	62.4	61.9	61.6	61.3	60.9	60.3	59.8	59.2
19	59.5	59.1	55.3	55.1	55.9	57.9	58.4	58.6	58.5	58.6	60.5	64.6	65.1	66.8	65.8	65.4	64.4	61.8	59.3	58.8	55.1	56.8	52.2	54.7
20	55.5	56.0	58.9	58.3	57.8	57.7	58.0	57.7	58.0	58.3	60.0	61.6	62.4	63.5	62.8	62.0	61.2	61.7	60.8	57.7	55.3	51.7	54.2	55.7
21	57.7	55.5	54.3	53.2	55.6	55.2	57.5	58.5	58.7	58.4	61.2	62.1	62.7	63.8	62.9	63.2	60.7	61.6	57.7	51.6	55.9	58.3	58.4	59.7
22	61.5	62.3	60.3	54.1	55.1	56.6	58.9	58.0	57.1	57.4	59.9	62.2	63.5	63.7	63.4	61.5	61.3	60.1	60.5	60.7	59.4	50.1	57.7	59.7
23 **	58.2	58.7	58.0	63.6	59.1	54.7	57.5	57.7	59.1	59.7	61.6	64.0	66.1	64.6	63.1	52.7	55.7	59.9	50.0	45.9	55.1	56.3	57.7	60.7
24 **	61.9	58.7	61.4	56.7	53.6	58.7	59.1	62.3	60.5	61.5	62.0	65.1	65.7	68.1	66.1	63.7	59.2	57.9	44.7	40.0	44.1	50.7	52.1	52.3
25 **	58.8	62.5	58.3	55.8	57.2	55.8	57.1	61.6	65.8	62.6	62.6	64.4	66.2	64.5	66.4	61.2	62.6	58.7	50.7	52.8	56.1	57.5	59.8	59.5
26	60.4	59.8	58.2	58.9	60.4	57.8	59.3	58.0	57.4	58.7	60.4	62.4	63.2	63.8	61.5	59.8	58.1	58.6	58.1	56.8	53.8	51.8	52.8	57.8
27	58.8	55.2	58.1	58.6	61.3	58.1	56.5	55.8	57.4	58.8	61.0	62.8	64.3	64.1	63.9	61.8	60.2	60.6	60.1	56.5	53.9	56.0	55.5	58.3
28	58.5	58.1	59.4	58.3	55.7	56.8	58.5	57.2	56.4	57 8	60.8	64.1	66.8	67.5	64.9	63.1	62.1	58.8	55.9	54.6	57.1	57.7	58.8	58.3
29	55.3	56.6	56.6	55.8	56.7	58.0	57.3	55.7	55.2	55.7	57.9	61.0	63.6	64.3	64.5	64.7	63.3	62.7	61.7	60.5	55.1	58.6	59.9	58.0
30	55.4	56.3	59.3	58.5	57.2	59.9	57.8	56.7	56.1	56.0	58.0	60.7	63.5	64.8	65.7	65.1	64.0	63.3	56.0	54.7	52.5	55.8	58.1	58.7
31	58.7	58.5	58.1	57.5	57.7	58.4	57.7	56.5	55.7	56.7	58.0	62.2	66.0	66.3	67.1	64.0	62.0	61.1	60.4	57.4	54.0	51.9	54.7	54.0
Mean	57.8	57.6	57.8	57.9	57.7	57.7	58.5	58.4	58.3	58.7	60.1	62.4	64.1	64.7	64.2	62.8	60.9	60.7	58.3	57.1	56.4	56.3	56.9	57.4
Mean *	58.6	58.8	58.9	58.8	58.6	58.5	58.9	58.2	57.4	57.6	59.0	61.9	64.2	64.9	64.3	63.3	61.6	61.4	60.9	60.0	60.0	59.4	59.2	59.0
Mean **	57.8	57.7	57.6	58.6	56.5	55.6	58.1	59.8	61.6	61.7	61.9	63.6	64.9	65.1	64.8	61.2	57.3	58.9	50.3	47.9	52.4	54.9	57.0	57.8
April													8° + Tabular Quantities												
1	61.7	58.3	56.7	56.7	57.1	56.1	56.0	55.1	54.3	56.4	60.8	64.1	66.7	65.3	64.9	63.2	61.5	59.7	58.7	58.9	58.6	58.7	59.1	58.4
2	59.7	59.0	56.7	55.3	55.0	56.7	57.0	55.1	54.5	56.3	58.1	61.3	63.9	65.0	64.1	62.2	60.8	58.7	58.5	56.1	54.9	56.3	57.1	53.8
3	53.8	57.7	59.4	55.8	56.2	56.7	56.9	54.7	54.7	55.7	58.7	62.2	65.1	65.7	65.2	63.5	62.0	62.2	61.4	55.4	58.3	56.2	54.7	52.3
4 **	57.3	51.1	54.0	51.3	55.1	54.7	55.3	54.7	55.3	56.7	58.7	63.2	65.5	67.8	65.2	65.2	64.6	62.6	60.1	50.9	52.4	56.1	59.8	58.3
5 *	58.1	59.2	59.2	57.7	57.3	57.2	57.4	57.1	57.5	58.7	61.1	64.1	65.1	65.2	64.2	62.2	60.3	60.0	59.3	58.1	58.3	56.3	56.5	56.4
6 *	54.8	54.5	53.4	54.4	54.1	55.7	55.8	55.7	56.2	56.7	59.7	61.8	65.1	65.7	65.2	63.8	62.0	61.1	60.6	59.2	59.7	59.6	58.7	58.1
7 *	58.1	57.7	57.7	57.7	57.6	57.6	57.3	56.1	55.5	56.3	58.2	60.7	63.4	64.7	63.7	62.4	60.7	60.0	59.5	59.1	59.4	59.0	58.4	58.1
8	54.9	56.0	57.1	56.1	55.6	55.3	54.7	54.1	54.9	56.5	58.7	60.7	63.1	64.9	64.1	62.1	61.2	60.9	60.7	60.1	59.9	56.5	53.3	54.4
9	56.7	54.1	54.1	55.3	57.0	56.4	56.0	54.8	55.2	56.3	58.7	61.5	64.5	65.1	64.2	64.3	63.4	62.5	62.1	61.9	61.9	60.9	60.3	58.4
10	57.7	57.4	56.9	56.8	56.7	57.4	58.1	56.5	56.0	56.7	60.3	62.4	64.1	64.7	64.7	63.9	62.1	61.1	59.7	59.5	59.4	54.8	53.7	56.9
11	58.3	58.1	57.7	58.1	62.0	61.7	63.8	61.7	58.0	57.7	58.3	61.7	62.0	62.7	62.6	61.9	60.8	55.7	58.9	59.0	59.7	59.7	58.1	56.7
12	60.7	61.5	59.9	57.3	56.0	56.0	55.7	56.7	57.8	57.7	59.8	63.2	64.5	65.4	64.3	62.4	60.2	59.1	58.9	58.8	56.2	57.9	56.7	58.1
13	58.0	60.5	58.7	55.7	56.4	55.8	55.3	54.9	56.7	59.4	59.1	60.0	64.1	64.7	62.1	62.4	61.0	56.7	58.1	53.7	56.5	58.8	58.7	58.5
14 *	59.0	58.7	58.3	58.1	58.6	58.0	56.8	55.5	54.9	55.3	57.4	60.7	62.0	63.7	63.2	62.5	61.3	60.4	59.4	57.8	57.9	58.0	57.8	57.7
15	58.1	57.9	61.0	59.4	58.0	57.6	56.3	54.5	53.7	54.7	56.7	60.2	63.7	66.1	65.2	64.7	63.7	62.7	61.8	60.7	60.3	59.9	59.0	58.5
16 **	58.2	59.7	59.2	64.7	68.7	61.5	61.6	63.2	60.7	58.7	57.3	58.7	61.7	63.2	66.7	67.7	60.3	59.4	61.1	59.9	54.0	51.0	56.8	56.7
17	57.7	58.5	55.5	56.5	55.8	54.7	54.0	54.2	55.3	55.4	57.9	61.1	63.6	64.6	63.6	62.7	61.3	60.7	60.3	59.8	59.8	58.3	57.5	57.2
18	56.7	56.3	58.1	58.7	57.7	58.9	60.1	58.7	58.6	57.3	59.0	60.8	62.7	63.2	62.4	61.3	60.3	60.7	59.7	58.1	57.8	57.6	57.2	57.0
19	56.3	56.2	56.6	60.5	60.1	57.4	57.7	55.9	55.2	56.1	57.7	61.7	63.7	64.4	66.1	65.7	63.7	62.7	60.9	59.9	59.0	55.5	52.7	49.4
20 **	56.3	57.6	54.4	56.8	57.3	61.0	61.9	58.5	59.0	59.2	59.9	60.7	62.2	64.9	63.3	62.8	62.5	61.6	57.9	57.7	56.3	53.8	50.7	53.6
21 **	58.2	56.7	55.4	57.4	55.7	55.6	56.8	57.3	58.3	57.7	58.8	60.7	62.6	63.9	63.7	60.4	61.5	59.7	51.7	57.7	58.5	59.7	60.0	58.0
22	57.1	59.1	59.7	59.7	57.0	55.3	54.7	54.7	55.1	56.4	59.4	60.8	63.8	64.4	62.1	62.7	62.1	62.2	59.6	57.9	57.4	56.0	54.6	54.1
23 **	57.4	56.3	55.8	60.4	60.2	62.1	55.2	55.1	55.5	55.7	58.3	60.4	61.7	63.1	60.4	58.7	59.1	59.1	55.7	56.0	57.7	57.2	58.3	60.7
24	59.0	56.9	57.3	56.7	56.7	56.7	56.7	57.1	56.3	56.7	58.4	61.2	62.2	62.2	61.9	60.7	60.6	60.5	61.7	61.3	60.7	59.9	59.3	58.5
25	57.1	57.2	57.2	57.0	56.6	55.9	55.7	54.5	54.6	55.6	59.5	62.5	64.7	64.7	64.4	64.9	63.5	62.7	59.7	58.7	58.4	57.5	58.7	59.7
26	57.4	57.5	58.5	57.5	57.3	55.2	56.4	55.7	55.1	55.7	57.4	59.9	61.7	62.9	64.0	64.0	63.7	62.1	60.1	58.7	58.7	57.8	54.1	52.7
27	54.5	57.3	58.1	55.7	55.8	55.7	55.6	55.1	54.8	55.1	57.1	58.6	60.2	62.1	62.5	61.8	61.8	60.6	58.1	58.2	59.0	58.7	58.2	59.0
28 *	57.8	57.2	56.3	55.7	55.1	56.4	56.0	56.7	57.1	57.3	58.2	60.6	62.2	61.8	61.5	62.0	61.7	61.2	59.8	59.1	58.8	58.6	58.6	58.2
29	58.0	57.7	57.1	56.8	56.2	56.8	55.8	56.2	54.9	54.2	56.4	58.8	62.8	65.8	66.4	63.6	62.4	60.8	59.0	58.3	58.4	58.2	58.3	57.6
30	57.9	58.3	57.3	58.4	56.6	57.3	55.7	55.1	55.7	54.9	56.1	59.2	62.7	65.8	68.1	67.5	63.2	61.6	59.2	57.8	53.7	55.8	56.7	57.1
Mean	57.5	57.5	57.2	57.3	57.3	57.1	56.9	56.2	56.0	56.6	58.5	61.1	63.4	64.5	64.0	63.1	61.8	60.6	59.4	58.3	58.1	57.5	57.1	56.8
Mean *	57.6	57.5	57.0	56.7	56.5	57.0	56.7	56.2	56.2	56.9	58.9	61.6	63.6	64.2	63.6	62.6	61.2	60.5	59.7	58.7	58.8	58.3	58.0	57.7
Mean **	57.5	56.3	55.8	58.1	59.4	59.0	58.2	57.8	57.8	57.6	58.6	60.7	62.7	64.6	63.9	63.0	61.6	60.5	57.3	56.4	55.8	55.6	57.1	57.5

* 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	57.3	57.8	57.8	57.8	57.5	56.8	56.7	55.5	54.1	54.8	56.8	59.3	61.6	62.9	63.9	62.8	61.8	60.8	59.1	58.5	58.4	58.4	58.1	58.1
2 *	57.8	56.3	56.9	56.9	56.4	56.2	55.7	54.3	54.5	55.7	57.8	60.6	62.3	63.7	63.3	61.9	60.9	59.8	58.6	58.3	57.6	57.8	57.9	57.8
3 *	57.8	57.9	57.7	57.4	57.2	56.8	55.8	55.1	54.3	54.9	56.8	59.8	63.2	64.4	64.2	63.1	62.7	60.8	59.4	59.1	57.0	56.8	57.8	57.6
4	56.9	56.8	56.9	57.8	56.5	56.3	56.8	56.5	56.4	56.8	57.8	60.3	62.8	64.2	63.8	62.2	60.8	59.4	59.1	59.2	59.2	58.1	58.3	57.8
5	56.6	55.8	55.8	56.8	57.3	54.0	53.8	54.2	54.8	58.1	58.8	62.1	65.2	65.8	64.0	62.8	61.9	60.8	59.1	54.8	56.4	56.3	56.1	54.5
6 **	50.1	46.4	48.6	51.8	52.8	52.4	50.8	51.5	53.9	56.1	59.8	62.0	64.8	64.6	63.3	64.7	63.6	60.8	59.4	56.8	58.1	47.6	51.8	57.4
7	56.0	53.8	58.8	59.4	56.2	56.2	56.7	55.7	56.4	56.7	57.8	60.0	62.2	62.3	62.8	62.1	61.6	60.8	59.8	59.5	58.9	58.6	56.4	57.0
8 **	55.5	61.1	57.4	55.4	57.3	59.3	57.8	56.8	54.9	55.7	58.2	58.9	60.7	61.7	62.4	62.3	61.9	60.8	54.8	58.5	58.6	58.3	58.2	55.9
9	56.8	60.9	57.0	56.4	55.8	55.9	56.4	55.4	55.8	56.8	59.1	62.2	62.4	62.1	60.4	57.8	59.4	57.9	55.3	57.8	58.2	56.8	60.1	56.6
10	56.8	56.8	56.8	57.5	56.8	55.8	54.2	53.4	54.7	57.3	60.0	61.8	63.8	64.8	62.2	60.8	60.6	58.0	58.5	59.2	58.7	57.2	58.4	58.3
11	58.8	59.5	58.7	57.4	55.6	55.0	53.9	54.6	55.8	57.2	58.8	61.6	62.8	62.0	61.1	59.6	58.2	57.8	57.8	58.2	58.8	57.9	58.5	58.4
12 *	57.9	57.9	57.9	57.8	56.2	54.2	52.6	51.9	52.6	54.7	57.9	61.0	63.4	64.7	63.3	61.0	59.5	58.8	58.8	58.9	58.8	57.3	58.0	57.9
13 *	58.4	58.3	58.1	57.6	56.9	55.9	54.7	53.7	53.1	54.8	57.9	60.8	63.2	63.0	61.9	60.9	59.8	59.4	59.0	58.5	58.9	58.7	58.9	58.8
14 *	58.3	58.2	57.9	57.4	56.4	55.3	53.9	53.4	53.9	55.1	57.3	59.9	62.1	62.9	62.2	60.9	60.3	60.7	59.9	60.2	59.2	58.9	58.2	57.9
15 **	57.8	57.7	57.9	59.5	59.3	55.6	55.8	54.0	54.8	55.3	58.7	61.8	66.4	68.9	72.9	69.8	69.4	66.2	60.8	55.1	57.1	56.4	41.4	47.2
16 **	48.9	52.8	54.0	54.8	55.0	58.9	58.2	54.7	56.1	59.8	59.3	63.9	67.4	63.9	66.7	66.0	63.6	60.9	51.7	57.2	56.8	56.6	38.4	34.1
17	34.3	41.4	48.0	52.3	51.3	51.5	51.2	51.9	53.3	56.1	58.6	60.7	62.2	62.9	62.9	62.7	61.4	60.9	60.3	58.9	57.3	56.8	54.1	53.9
18	54.0	53.5	55.2	57.0	57.7	59.8	60.4	57.2	56.8	57.6	59.0	60.8	62.0	63.8	62.0	62.6	62.0	60.8	58.4	57.7	56.6	53.4	54.7	54.0
19 **	57.0	57.0	53.6	51.3	56.6	57.9	53.6	53.0	54.0	55.0	57.4	59.5	61.2	63.4	63.6	62.6	61.4	60.4	59.2	57.6	54.2	54.8	54.6	52.0
20	51.7	55.0	56.5	56.3	56.0	56.0	55.2	55.0	55.4	56.6	57.6	61.3	63.1	64.2	64.4	63.0	61.5	60.0	56.5	53.0	53.1	54.4	56.7	58.4
21	57.0	57.0	58.0	55.6	56.5	56.4	56.9	54.3	53.5	55.3	57.5	60.0	60.9	61.2	62.7	62.3	60.0	59.5	59.0	58.0	54.0	57.2	57.9	57.1
22	56.7	56.2	57.4	59.1	57.9	54.9	54.4	53.9	54.4	56.4	58.7	60.7	63.4	63.6	62.7	62.0	60.1	59.6	58.0	52.4	53.4	54.3	55.5	57.5
23	57.8	57.4	56.9	55.7	55.5	54.9	54.1	53.9	54.5	56.9	58.9	59.2	59.7	60.4	59.9	59.3	58.5	58.4	58.3	58.9	59.1	59.2	58.4	57.9
24	57.2	57.5	57.0	56.8	55.9	54.1	53.1	53.9	54.9	56.9	59.0	62.1	64.7	63.9	62.9	61.0	59.9	58.9	59.0	56.9	57.7	58.6	58.5	57.9
25	57.8	57.8	57.4	56.3	54.8	53.0	51.4	51.9	53.3	55.8	60.0	61.8	62.8	63.3	63.7	63.2	61.0	59.5	59.3	59.8	59.8	59.8	59.4	58.0
26	57.0	57.2	57.4	56.6	55.8	54.7	54.3	53.3	53.7	56.5	60.5	63.2	64.8	64.1	63.5	62.1	61.1	60.0	59.6	59.7	59.7	59.4	58.7	57.9
27	57.5	56.2	56.4	60.8	62.1	60.1	59.5	57.4	57.8	59.2	63.4	64.6	65.7	65.7	64.2	59.9	57.3	58.3	58.0	58.3	58.4	58.6	57.3	56.3
28	56.5	56.9	56.1	57.9	54.3	52.1	50.9	51.0	51.8	54.6	58.5	62.4	64.9	65.6	65.2	63.4	61.9	59.2	57.4	55.7	58.2	58.2	57.6	57.4
29	57.3	57.2	57.2	56.3	55.3	54.3	54.6	54.9	54.9	56.1	59.5	62.9	65.3	64.9	63.9	62.6	61.2	59.6	58.9	58.3	58.1	58.1	57.9	56.6
30	55.0	55.0	55.6	55.0	55.0	54.6	53.8	53.3	53.4	54.5	57.0	60.0	62.0	63.0	63.0	63.0	62.6	61.0	59.0	58.4	58.4	58.8	56.7	56.7
31	56.4	57.0	56.0	55.7	55.0	54.2	53.4	53.4	53.3	55.0	58.3	61.8	63.2	64.4	63.3	63.0	61.6	60.4	60.0	59.3	54.0	55.4	56.0	55.3
Mean	55.6	56.1	56.4	56.6	56.2	55.6	54.9	54.2	54.6	56.2	58.6	61.2	63.2	63.8	63.4	62.3	61.2	60.0	58.5	57.8	57.5	57.1	56.1	55.9
Mean *	58.0	57.7	57.7	57.4	56.6	55.7	54.5	53.7	53.7	55.0	57.5	60.4	62.8	63.7	63.0	61.6	60.6	59.9	59.1	59.0	58.3	57.9	58.2	58.0
Mean **	53.9	55.0	54.3	54.6	56.2	56.8	55.2	54.0	54.7	56.4	58.7	61.2	64.1	64.5	65.8	65.1	64.0	61.8	57.2	57.0	57.0	54.7	48.9	49.3
June	8° + Tabular Quantities																								
1	55.0	54.7	55.0	54.4	55.0	55.4	54.8	55.4	56.7	57.3	60.0	62.4	64.0	64.7	63.7	62.8	62.8	62.2	59.4	58.9	59.0	59.0	58.6	58.2
2 **	57.4	56.4	55.4	48.6	50.4	49.1	50.4	54.3	57.8	58.2	61.0	64.9	65.9	67.3	70.3	66.9	64.6	65.3	63.6	55.0	50.7	55.8	51.6	54.2
3 **	62.2	58.4	54.4	54.2	56.7	55.0	57.7	59.0	58.5	57.0	56.9	57.5	60.0	62.1	61.9	62.4	63.0	62.1	56.0	56.4	57.1	57.7	57.9	57.9
4 **	56.5	62.3	58.6	58.7	56.9	57.9	58.9	53.2	53.2	53.9	55.9	58.9	61.6	61.9	62.8	62.9	61.8	61.9	59.5	59.9	58.4	56.9	57.9	57.1
5	56.8	56.9	57.0	56.8	59.1	54.6	56.8	54.6	54.4	55.7	56.8	58.8	59.7	59.7	60.7	60.6	60.8	60.4	59.8	52.9	55.4	58.2	57.4	57.9
6	57.1	56.8	55.9	54.4	58.5	55.7	53.9	54.4	55.4	56.8	59.0	60.5	61.3	61.8	62.0	61.8	60.9	57.3	58.9	57.9	58.4	58.7	58.7	58.7
7	57.9	57.7	59.4	57.9	56.2	54.8	53.9	54.9	56.1	57.8	59.2	61.5	62.9	63.1	62.9	61.3	59.9	58.7	58.2	58.5	57.7	58.1	57.3	57.9
8	58.2	58.8	57.3	56.9	55.9	53.9	53.1	53.2	53.5	54.9	57.3	59.9	62.5	62.9	62.8	62.4	61.8	60.9	59.9	58.9	58.4	58.5	57.9	57.9
9	57.7	57.8	57.6	56.9	55.3	53.9	52.7	52.8	52.7	54.1	57.2	61.4	62.8	62.9	62.9	61.9	61.1	60.9	59.9	59.3	59.0	58.6	58.3	58.0
10	57.2	56.9	56.9	56.9	57.6	58.9	59.2	56.3	55.9	55.9	57.7	60.9	62.9	64.5	63.9	62.2	61.1	61.2	61.1	60.0	54.9	55.5	56.2	55.9
11	56.0	56.3	57.8	57.9	56.0	53.3	51.8	51.8	53.3	55.3	57.9	61.2	62.9	63.4	62.9	61.2	60.0	59.4	57.6	58.2	58.3	57.2	53.5	56.2
12	57.9	57.9	57.3	56.8	55.3	54.3	53.9	54.4	54.2	54.3	56.3	59.8	63.1	64.9	64.6	62.9	62.5	62.4	58.9	57.3	58.9	52.8	52.8	54.9
13	55.6	57.6	55.2	52.2	54.6	53.6	51.9	53.2	53.5	55.7	56.9	59.9	62.8	63.1	61.9	61.3	61.0	60.9	58.9	55.9	56.6	57.9	57.8	55.3
14	53.9	55.2	55.2	55.2	55.2	52.9	52.7	53.3	53.9	54.9	57.9	60.9	62.9	63.2	62.5	61.9	61.5	60.3	57.3	59.2	59.1	57.9	56.6	56.3
15	56.5	56.5	55.8	55.6	55.4	53.2	53.6	54.1	54.0	54.5	56.3	58.5	59.8	61.1	60.8	59.8	59.7	59.6	59.6	58.8	58.7	57.8	57.5	56.8
16 *	56.9	56.9	56.9	56.5	55.2	53.8	52.8	53.2	53.8	55.0	57.5	60.8	62.7	62.9	63.1	61.8	60.8	60.7	58.8	59.5	59.3	58.9	58.7	57.7
17	56.8	56.1	55.8	55.9	54.5	54.0	53.1	53.7	54.4	55.3	56.8	59.4	61.8	64.8	64.2	63.8	61.8	60.3	59.8	59.3	59.1	57.3	57.1	55.6
18	55.3	55.0	54.0	54.2	53.7	52.8	52.8	54.6	55.1	56.8	59.2	60.8	61.5	62.2	62.5	62.8	62.5	61.5	61.0	59.3	59.0	57.0	56.8	56.4
19 *	56.1	56.1	56.8	55.8	54.8	53.5	52.8	52.8	53.0	53.7	55.2	58.2	59.5	59.8	60.2	60.5	60.8	60.8	60.0	58.8	58.1	57.8	57.8	57.0
20	56.1	55.8	55.8	55.0	53.8	53.9	54.1	54.3	54.4	55.8	58.6	61.8	62.3	65.2	66.6	64.8	65.2	64.1	63.7	60.8	56.3	49.9	50.7	53.4
21	56.0	56.2	54.8	54.1	53.4	53.3	54.8	56.3	55.8	57.8	59.0	60.2	61.1	61.2	60.8	60.1	60.6	60.1	58.4	56.5	56.5	58.1	55.1	56.8
22	57.2	56.8	56.7	55.8	54.8	54.7	53.8	54.8	54.9	55.8	57.6	60.9	61.8	62.8	60.4	59.7	59.3	59.2	57.8	57.8	58.2	57.8	56.1	56.8
23 *	57.7	57.2	57.1	55.0	53.9	53.6	53.8	53.8	53.2	54.1	56.3	59.0	61.3	61.7	61.5	60.6	60.0	58.7	58.0	57.8	58.2	57.0	56.5	55.8
24	56.0	56.0	55.8	55.3	54.3	52.3	52.4	53.8	54.1	55.0	57.8	60.2	61.6	61.8	61.8	60.7	60.3	61.1	60.5	57.2	56.5	57.7	56.4	56.7
25	56.1	55.6	53.8	53.4	52.8	52.1	52.7	53.4	53.7	54.8	57.1	58.6	59.2	60.5	61.5	60.1	59.0	59.0	59.0	58.7	57.0	56.8	57.1	56.8
26 *	56.8	56.3	56.7	56.3	54.8	53.9	53.8	54.4	54.8	55.8	57.0	58.7	60.0	60.8	61.3	60.1	59.7	60.8	59.3	59.3	58.7	58.4	57.0	57.1
27 *	56.0	55.4	55.8	55.3	54.9	54.9	54.7	54.3	55.2	57.5	59.0	62.8	64.6	64.8	64.4	63.0	61.2	59.8	58.8	57.5	57.8	57.1	57.5	55.7
28	55.7	56.0	55.8	55.8	55.4	53.6	52.9	53.6	53.5	54.8	57.8	59.8	62.2	64.1	64.7	63.0	61.2	60.0	58.8	59.4	59.0	58.1	57.8	57.6
29 **	56.0	56.1	55.4	55.0	54.6	54.0	53.7	54.3	54.1	53.8	62.2	62.8	63.1	65.2	69.2	66.8	67.8	57.8	61.8	58.6	58.7	53.3	52.8	54.5
30 **	58.6	53.1	55.1	55.0	53.8	58.8	56.6	56.2	56.4	57.4	56.2	57.8	59.8	63.8	64.2	62.0	60.8	61.2	59.9	59.1	57.5	56.8	55.2	55.2
Mean	56.8	56.6	56.2	55.4	55.1	54.2	54.0	54.3	54.7	55.7	57.8	60.3	61.9	62.9	63.1	62.1	61.5	60.6	59.5	58.2	57.7	57.1	56.4	56.5
Mean *	56.7	56.4	56.7	55.8	54.7	53.9	53.6	53.7	54.0	55.2	57.0	59.9	61.6	62.0	62.1	61.2	60.5	60.2	59.0	58.6	58.4	57.8	57.5	56.7
Mean **	58.1	57.3	55.8	54.3	54.5	55.0	55.5	55.4	56.0	56.1	58.4	60.4	62.1	64.1	65.7	64.2	63.6	61.7	60.2	57.8	56.5	56.1	55.1	55.8

* 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
July	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 **	57.8	57.8	58.8	58.1	55.2	56.2	56.8	53.8	53.2	55.1	56.6	57.0	59.0	61.2	62.2	61.7	60.8	59.8	59.7	59.8	58.8	54.0	56.0	54.3	
2 **	55.1	56.7	62.9	60.7	55.6	57.8	61.2	59.7	55.8	54.7	55.0	59.0	61.9	63.4	64.7	64.5	63.4	61.4	60.9	57.4	56.9	57.6	56.6	56.1	
3	54.0	55.4	58.1	56.1	56.5	54.8	55.7	53.9	54.1	53.7	54.1	56.7	59.7	61.0	61.0	60.7	61.5	60.7	59.5	57.2	56.9	55.5	56.9	56.5	
4	57.1	55.7	54.0	53.7	55.4	55.9	57.2	54.7	53.9	54.1	56.5	58.7	60.3	61.3	62.3	61.7	60.7	59.7	56.6	58.0	57.9	57.7	57.1	56.1	
5	57.2	56.5	58.1	55.2	54.7	55.4	57.7	60.5	58.2	56.7	57.0	58.0	60.7	61.7	62.5	61.1	60.7	59.6	58.2	57.1	55.9	54.0	54.7	53.7	
6	54.7	55.4	52.7	53.5	53.9	52.9	52.1	52.6	53.1	54.1	56.5	58.0	59.6	60.9	60.7	60.1	59.3	59.1	59.7	59.1	58.7	58.5	56.5	54.5	
7	55.1	56.1	56.9	53.5	50.5	51.8	50.9	51.3	52.2	54.7	57.1	58.7	60.3	61.9	63.5	63.0	61.7	61.1	60.6	59.0	58.7	57.7	56.7	54.7	
8	52.7	54.4	54.6	53.6	54.2	53.4	53.7	55.3	55.2	54.7	56.2	58.1	59.7	61.6	62.2	62.1	61.6	59.7	59.0	57.1	54.2	54.1	54.6	56.0	
9	55.3	56.5	57.6	55.6	54.0	52.6	52.4	52.3	52.1	53.5	54.9	57.6	60.5	62.0	62.0	61.6	60.6	60.4	59.6	57.0	53.9	52.4	52.4	51.6	
10	54.8	56.8	54.9	54.5	52.8	51.6	53.4	53.8	53.3	54.4	56.2	58.5	60.8	62.3	62.8	61.6	60.2	59.6	58.7	58.0	57.6	57.4	56.9	56.8	
11 *	56.9	57.0	56.8	56.2	52.9	53.3	53.3	52.3	51.8	53.9	57.4	60.6	61.8	62.3	61.6	60.2	58.6	57.8	56.8	57.4	57.7	57.6	56.8	56.6	
12	55.6	55.9	55.3	55.5	54.2	52.0	52.0	52.9	54.1	55.9	58.6	60.7	63.6	65.6	65.0	63.6	62.5	60.0	59.6	59.2	53.6	50.0	52.8	55.6	
13	55.9	55.2	54.6	54.2	53.5	51.6	51.0	55.0	55.5	56.6	59.0	60.6	63.3	65.4	64.8	63.5	61.3	59.6	58.8	57.9	57.0	53.7	55.2	55.7	
14	55.7	55.9	55.9	54.6	53.9	52.8	52.6	53.3	53.6	55.6	57.6	58.6	60.6	61.6	63.3	63.8	62.9	62.6	60.9	60.6	58.6	57.9	58.1	57.0	
15	56.6	54.6	53.7	54.6	54.0	55.2	54.0	53.3	53.6	55.6	56.7	57.6	59.9	61.5	62.6	63.3	61.3	60.9	57.9	56.6	57.7	57.8	57.5	56.4	
16 *	56.0	56.6	56.5	57.8	55.8	53.6	53.4	53.2	52.5	52.4	53.2	55.8	58.5	59.5	59.6	59.5	58.6	57.4	56.6	56.9	57.4	56.8	57.0	57.2	
17 *	56.7	56.4	56.0	55.6	55.2	54.5	53.6	53.9	55.0	54.7	55.6	57.4	59.6	61.6	62.6	62.0	61.2	60.0	58.6	57.6	57.6	57.6	57.4	56.6	
18 *	56.6	58.2	56.6	54.1	54.0	53.1	53.6	52.9	52.9	53.9	55.4	56.7	59.8	61.6	63.0	62.7	61.6	60.2	59.6	58.7	58.6	58.0	57.6	57.1	
19	56.2	54.7	53.7	51.6	52.7	52.7	53.1	53.9	53.7	54.7	56.7	58.9	61.7	62.7	63.1	62.1	60.7	59.9	59.0	58.7	57.4	56.8	54.7	55.7	
20	55.7	55.0	55.3	53.4	51.7	51.0	52.9	53.1	53.4	54.7	56.8	59.9	61.9	61.7	62.0	60.9	59.3	58.1	57.5	57.7	57.6	57.4	57.1	56.3	
21 *	56.8	55.8	54.6	54.5	54.2	53.8	53.5	53.8	54.2	57.3	59.5	60.3	61.2	62.2	62.3	61.4	60.4	59.6	57.9	57.6	57.3	56.6	54.8	55.8	
22	56.2	55.9	55.9	55.8	55.2	53.4	52.8	52.6	52.8	54.8	57.8	59.4	60.5	60.8	59.9	58.7	58.5	59.4	58.3	59.3	59.3	57.0	56.2	53.3	
23 **	49.4	48.3	50.7	56.6	55.7	51.9	51.4	50.9	51.6	53.4	59.2	62.7	65.0	71.2	72.6	67.1	66.7	64.0	62.0	60.1	58.8	57.5	50.1	46.0	
24	53.1	54.0	54.8	54.1	53.0	52.5	52.3	53.1	53.8	54.8	56.7	58.0	59.9	61.2	63.1	63.6	63.3	59.1	59.3	58.8	58.9	58.0	57.4	56.7	
25	56.2	55.8	55.2	54.7	53.5	52.2	52.8	52.3	51.9	53.8	55.6	58.9	60.8	61.4	61.1	61.1	61.2	59.5	60.3	60.3	58.8	58.3	57.7	57.6	
26	56.0	51.1	54.0	54.1	56.8	55.2	55.0	55.8	55.4	55.8	56.5	58.1	60.8	62.4	63.8	61.1	62.3	61.6	60.2	58.8	56.8	56.8	56.8	56.4	
27 **	56.2	54.6	52.0	58.8	56.8	56.8	57.0	58.1	58.3	57.5	58.8	60.8	61.2	61.1	62.4	57.8	58.8	58.8	56.0	54.7	56.6	55.8	57.0	56.7	
28	56.9	57.8	58.8	52.3	55.9	54.5	53.4	54.2	55.2	55.8	56.7	58.1	58.8	59.8	60.6	59.9	59.8	59.5	57.9	55.4	55.3	53.3	50.7	52.3	
29 **	56.3	58.7	55.8	59.7	59.8	60.7	56.5	53.8	52.8	54.1	56.8	57.9	60.1	59.8	61.7	57.5	56.8	57.5	56.7	55.8	54.2	55.8	55.7	58.9	
30	55.9	55.7	53.3	53.2	54.8	54.8	55.4	57.8	56.8	56.9	57.3	59.4	60.4	61.3	61.2	59.8	58.1	58.9	57.0	56.1	56.7	54.2	53.6	51.0	
31	51.9	52.9	59.5	57.6	53.9	53.9	53.9	54.9	53.9	54.9	55.6	57.4	59.7	61.0	60.7	59.9	58.9	58.5	57.8	55.6	55.9	56.9	56.8	56.1	
Mean	55.5	55.5	55.7	55.3	54.5	53.9	54.0	54.2	54.0	54.9	56.7	58.6	60.7	62.0	62.6	61.5	60.8	59.8	58.7	57.9	57.1	56.2	55.8	55.4	
Mean *	56.6	56.8	56.1	55.6	54.4	53.7	53.5	53.2	53.3	54.4	56.2	58.2	60.2	61.4	61.8	61.2	60.1	59.0	57.9	57.6	57.7	57.3	56.7	56.7	
Mean **	55.0	55.2	56.0	58.8	56.6	56.7	56.6	55.3	54.3	55.0	57.3	59.5	61.4	63.3	64.7	61.7	61.3	60.3	59.1	57.6	57.1	56.1	55.1	54.8	
August	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	56.1	57.9	58.9	58.2	54.1	53.7	52.5	52.3	52.3	53.9	56.9	59.1	61.7	61.9	61.8	61.3	60.5	55.9	54.8	57.4	54.6	54.5	56.4	56.2	
2	57.3	57.8	58.1	60.5	55.4	52.9	52.0	51.7	52.9	54.9	56.9	58.7	60.5	61.0	60.4	59.3	58.5	57.7	56.8	53.9	55.4	57.3	57.3	56.5	
3	56.9	55.5	55.9	55.3	54.4	53.9	52.7	52.4	52.8	54.4	56.9	58.5	60.1	61.5	61.5	59.9	58.2	57.9	56.4	55.6	56.9	57.7	57.1	56.9	
4	56.7	57.9	58.0	53.7	52.9	52.2	52.5	52.6	53.9	55.5	58.1	61.0	61.9	61.9	61.7	59.9	58.7	58.6	58.4	57.3	56.8	57.6	57.6	56.9	
5	56.6	55.7	54.5	54.5	53.9	52.9	53.1	53.3	53.5	55.3	55.8	58.2	60.5	61.5	61.3	60.2	58.6	58.1	57.6	55.8	52.8	55.2	56.2	55.9	
6	55.2	55.0	54.7	54.5	53.8	53.0	53.2	53.7	53.7	54.8	57.9	61.0	62.9	62.2	61.8	60.8	58.8	58.1	58.9	59.2	59.1	56.6	55.8	56.2	
7	56.2	56.9	59.8	55.5	53.2	52.4	53.5	54.6	55.5	57.2	59.4	60.1	60.9	61.0	60.0	58.2	57.4	57.4	57.4	57.4	56.9	56.8	56.2	56.8	
8	57.8	54.8	54.8	54.5	54.6	53.8	53.1	52.1	52.8	54.8	57.8	60.8	63.8	63.2	61.2	59.8	58.5	57.2	57.2	56.7	56.4	56.0	55.8	56.1	
9	57.1	56.9	52.6	53.4	55.1	53.0	53.6	51.5	53.0	55.8	58.8	62.1	62.4	63.8	62.8	61.8	61.7	61.0	60.4	60.8	51.1	55.8	56.3	56.8	
10	56.1	56.4	55.4	56.2	54.8	53.8	53.0	54.8	58.2	60.2	59.2	62.8	64.1	63.5	61.8	59.8	57.8	56.0	56.8	57.5	56.4	55.8	58.1	51.5	
11	53.6	53.8	53.6	54.6	54.2	50.8	51.2	52.0	53.5	56.6	61.1	64.8	66.1	64.1	63.6	62.2	60.0	58.4	56.6	51.1	53.8	54.1	52.5	51.5	
12 **	51.1	49.2	47.9	51.1	53.8	53.3	51.8	51.2	54.1	60.5	62.7	64.1	65.4	64.5	66.7	62.2	61.5	61.1	59.8	57.1	51.7	52.8	55.8	54.2	
13	50.8	49.2	48.7	47.8	49.8	50.7	51.1	51.0	51.8	54.2	57.5	60.2	62.1	63.2	65.2	63.7	62.2	61.8	59.5	58.1	47.8	55.6	53.1	54.4	
14	56.6	57.9	57.4	55.3	55.9	54.2	51.9	51.3	51.7	54.3	57.3	61.3	63.8	64.9	63.1	61.1	59.9	57.0	54.8	56.1	56.9	56.9	56.9	55.9	
15	56.2	55.5	55.2	53.9	53.2	52.9	52.6	51.9	53.0	55.3	57.7	60.6	61.4	61.9	61.6	60.9	59.8	58.2	57.6	56.9	52.6	54.5	56.1	56.5	
16	56.9	54.7	54.4	54.2	54.8	52.6	52.6	53.5	55.2	57.7	62.6	62.6	64.6	63.6	63.5	61.9	60.2	58.2	58.1	58.3	57.2	54.9	54.9	55.3	
17 *	56.5	56.6	55.1	54.6	53.9	53.6	53.6	54.3	54.4	55.6	57.3	59.9	62.9	63.3	61.3	60.7	59.8	58.3	57.3	57.3	56.9	56.3	56.1	56.1	
18	55.3	56.3	57.1	54.7	53.5	52.9	52.9	53.3	54.3	55.8	57.9	60.2	62.1	62.9	62.6	61.6	59.9	59.1	58.5	57.3	56.9	56.8	56.1	55.6	
19 *	54.9	53.9	54.2	53.8	52.5	52.9	52.9	53.0	53.2	54.4	56.2	58.4	60.0	61.2	61.1	59.6	57.9	56.8	56.7	57.2	57.6	57.3	56.9	55.5	
20 *	54.9	54.8	54.9	54.5	53.9	53.3	53.1	52.9	52.9	54.3	56.8	59.3	60.7	60.9	60.5	59.9	58.7	57.9	57.2	57.3	57.3	56.9	57.3	56.6	
21 *	56.1	55.9	55.3	55.3	55.2	53.5	52.0	51.7	52.6	55.6	58.9	61.2	61.9	61.3	60.2	57.9	55.9	55.7	56.3	57.1	57.2	56.9	56.9	56.6	
22 *	56.5	56.1	55.9	55.4	54.2	53.3	51.2	50.8	51.5	54.3	58.2	61.9	62.9	61.8	59.8	57.6	56.3	56.7	57.3	57.9	56.9	55.4	56.3	56.5	
23 **	55.9	53.0	49.7	46.0	48.4	50.5	50.9	51.7	51.9	55.8	62.1	65.7	68.3	68.9	66.0	63.7	62.9	60.5	53.9	53.3	47.5	55.7	52.6	53.8	
24 **	51.4	62.8	59.8	52.3	53.6	53.6	53.4	51.8	54.7	55.9	59.7	64.0	63.6	60.9	61.9	60.9	54.7	52.4	55.1	48.4	53.1	53.1	55.7	61.4	
25	54.1	55.0	56.5	57.6	58.1	54.7	52.9	54.6	53.6	55.3	58.9	62.5	64.0	65.4	58.8	58.7	56.3	54.0	52.9	53.9	55.5	54.5	54.5	58.3	
26	59.2	57.7	53.9	55.1	60.2	55.5	53.3	53.1	52.2	52.4	55.3	59.7	62.9	61.4	61.4	60.1	57.8	53.5	53.8	55.9	52.0	48.9	49.7	50.9	
27 **	52.0	56.8	57.4	56.2	53.8	53.9	54.5	55.7	54.8	57.2	60.9	61.0	63.4	64.4	63.7	58.6	56.6	50.9	50.4	50.9	55.7	55.9	55.4	57.4	
28	52.9	56.2	59.9	55.7	56.4	59.4	56.1	53.7	54.4	55.9	57.9	60.6	61.8	62.0	62.2	55.2	56.0	58.6	58.3	57.9	55.1	53.3	54.9	56.9	
29	58.4	55.6	54.8	56.7	58.4	59.5	60.9	56.9	56.8	56.5	58.9	59.7	61.3	62.2	59.2	59.8	58.9	54.9	53.2	53.9	50.7	52.2	53.9	52.9	
30 **	54.5	59.5	56.9	53.5	54.9	56.8	59.9	55.9	55.2	55.7	58.7	60.4	61.8	61.7	62.3	55.5	57.9	57.4	56.4	51.9	54.6	53.2	56.2	56.9	
31	54.9	54.5	57.4	58.9	56.8	55.5	54.6	54.9	55.4	56.7	56.9	59.4	62.9	62.0	62.2	58.4	58.9	57.9	55.5	53.3	54.0	54.9	53.9	54.7	
Mean	55.4	55.8	55.4	54.6	54.4	53.7	53.3	53.0	53.7	55.7	58.4	61.0	62.7	62.7	62.0	60.0	58.7	57.3	56.6	55.9	54.8	55.3	55.6	55.7	
Mean *	55.8	55.5	55.1	54.7	53.9	53.3	52.6	52.5	52.9	54.8	57.5	60.1	61.7	61.7	60.6	59.1	57.7	57.1	57.0	57.4	57.2	56.6	56.7	56.3	
Mean **	53.0	56.3	54.3	51.8	52.9	53.6	54.1	53.3	54.1	57.0	60.8	63.0	64.5	64.1	64.1	60.2	58.7	56.5	55.1	52.3	52.5	54.1	55.1	56.7	

* 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	54.9	55.9	55.8	54.4	53.5	52.5	53.7	52.6	54.0	55.4	58.4	61.4	60.8	59.5	60.2	57.0	55.9	56.9	53.6	54.8	55.8	54.9	55.9	56.1	
2	54.9	62.3	55.5	51.8	52.1	52.4	54.4	54.0	55.7	55.5	58.4	60.9	61.0	58.9	57.6	55.0	55.9	55.3	53.4	53.9	51.1	54.5	54.5	54.1	
3 **	53.6	54.7	53.3	51.9	52.3	52.9	52.0	53.3	54.8	57.1	60.9	61.8	61.8	61.3	59.8	58.9	59.7	53.0	50.3	54.9	57.8	53.8	47.9	38.5	
4 **	30.6	36.2	50.9	57.7	49.0	49.8	52.0	52.4	53.2	57.8	61.3	64.9	64.9	63.6	63.6	62.9	57.9	56.4	47.6	51.9	55.4	53.3	49.9	47.9	
5	54.3	48.9	44.1	44.9	46.6	52.2	51.6	51.6	52.7	53.9	56.3	59.9	61.6	61.9	61.2	60.3	59.2	57.9	57.3	53.9	49.5	49.1	53.0	55.3	
6	55.0	54.7	54.7	54.7	54.7	54.4	53.7	57.8	57.9	55.3	56.9	58.6	60.3	59.7	59.2	58.1	57.7	56.9	56.2	55.6	53.3	54.7	54.9	55.7	
7	54.2	54.3	54.9	54.9	55.2	56.7	57.5	53.7	55.0	57.8	61.3	63.6	62.6	62.0	60.2	58.9	58.2	53.6	56.9	56.3	55.7	54.1	53.8	55.9	
8	54.6	51.6	52.6	53.7	53.8	53.7	53.0	53.4	54.0	56.0	58.0	61.0	62.2	61.0	60.0	55.8	55.9	56.0	54.6	54.8	56.0	56.3	56.0	55.8	
9 *	55.3	53.7	57.6	54.6	52.0	53.0	52.8	51.6	52.4	54.0	57.6	60.6	62.4	61.4	59.0	57.4	56.1	56.4	56.3	56.2	56.5	56.2	55.0	55.9	
10	56.1	56.1	55.7	55.5	54.6	53.9	52.5	52.5	54.0	56.1	59.5	62.8	63.4	62.1	61.1	59.1	57.1	56.5	56.7	56.7	55.7	54.0	51.8	50.5	
11	52.6	60.7	50.9	52.5	52.8	52.4	51.9	51.0	53.6	56.9	59.0	62.0	64.5	64.3	62.2	58.9	57.6	57.8	57.2	57.2	56.2	56.8	56.6	55.5	
12	54.4	54.1	53.5	54.7	54.6	54.2	53.6	53.7	53.5	55.1	58.6	61.9	62.7	62.3	61.5	59.6	58.3	57.8	57.6	57.6	56.7	55.3	55.3	53.4	
13	53.1	54.5	54.7	55.6	54.6	53.9	53.9	53.7	54.9	56.3	57.3	60.6	62.3	61.7	59.7	57.6	56.6	56.4	56.6	56.1	55.5	54.3	55.3	55.6	
14 *	55.3	55.4	55.3	55.1	54.6	54.6	53.6	52.7	53.6	54.3	57.3	61.3	63.3	63.0	61.2	58.5	57.0	57.3	57.3	57.3	56.9	56.3	56.3	55.9	
15	55.7	55.6	55.3	55.3	53.6	54.1	53.5	52.5	52.4	54.6	56.6	60.1	61.9	63.7	66.3	62.3	62.5	61.6	58.9	52.1	54.0	56.3	56.3	55.3	
16	54.3	53.2	53.3	53.7	53.8	54.0	54.0	54.6	55.1	56.1	57.8	59.3	60.6	60.6	60.9	59.1	57.7	55.5	51.0	54.6	54.6	56.5	57.5	57.0	
17	56.0	55.0	57.9	56.9	53.7	54.5	55.6	58.1	56.7	56.3	58.1	60.3	61.1	60.9	59.3	58.3	57.3	57.5	57.3	50.9	53.3	56.0	54.6	55.7	
18	55.9	57.3	55.2	55.0	54.9	55.9	55.7	55.3	54.6	55.3	57.3	59.3	60.0	60.3	59.7	58.7	58.5	59.5	58.9	57.5	57.0	55.3	56.6	44.1	
19 **	39.8	41.9	49.5	55.9	53.4	53.5	59.9	67.7	59.9	57.2	56.2	60.4	62.1	60.8	61.2	57.5	48.7	41.3	54.2	50.4	53.9	52.4	52.2	52.5	
20 **	52.4	55.1	60.7	54.7	55.1	57.8	56.7	56.1	55.1	56.1	57.4	60.0	62.1	63.2	58.9	59.4	58.3	56.7	56.3	54.5	52.9	54.7	54.1	56.7	
21	55.0	52.3	52.6	56.4	55.1	54.4	55.5	56.5	57.8	56.8	57.1	60.5	60.1	59.1	58.3	54.9	55.7	49.4	54.3	54.3	50.1	49.1	51.5	55.1	
22	54.1	56.1	57.1	49.2	50.1	54.4	54.3	53.6	54.4	55.5	57.5	60.0	61.6	61.1	59.5	57.9	57.2	57.0	54.0	54.7	51.2	49.7	53.0	54.2	
23 **	58.0	53.5	54.7	54.7	57.5	62.7	60.1	56.1	52.5	55.1	57.5	60.6	61.1	61.1	56.0	57.5	48.4	56.3	48.5	48.1	51.8	53.5	52.6	57.2	
24	56.1	53.4	58.0	54.5	54.2	54.1	56.0	59.8	58.1	58.6	60.1	61.7	61.1	62.1	58.3	58.3	57.8	55.7	52.4	54.0	49.6	53.0	53.3	54.5	
25	55.0	57.3	56.3	54.1	54.5	54.1	53.3	53.4	55.1	55.9	57.6	60.1	61.8	61.3	58.8	56.5	57.7	56.5	55.8	52.5	53.2	54.1	54.0	54.8	
26	55.1	55.1	55.2	54.2	54.9	55.0	54.6	54.1	54.5	56.1	57.6	59.1	60.1	60.7	58.8	57.8	56.3	55.2	55.0	55.4	53.5	48.1	52.7	52.1	
27	52.2	52.2	58.1	55.7	54.5	58.7	59.8	56.1	53.5	54.6	56.1	59.4	61.4	61.3	57.3	57.1	57.5	56.5	56.1	52.1	53.6	55.7	56.1	56.1	
28 *	57.1	56.9	54.1	53.3	54.4	55.1	53.9	54.1	54.5	54.5	56.9	59.1	60.1	60.1	59.9	58.5	57.7	57.7	55.2	55.6	56.1	55.9	55.1	54.9	
29 *	54.9	54.7	54.6	54.9	54.9	54.5	54.8	54.1	53.0	53.4	55.5	58.1	60.1	61.4	61.3	61.1	60.1	58.9	58.1	57.1	56.4	56.3	56.2	55.7	
30 *	55.4	55.6	55.6	56.1	56.2	56.1	55.6	54.5	53.4	52.8	53.8	56.2	58.9	60.0	60.1	58.8	58.1	58.2	57.5	56.6	56.8	55.6	53.1	53.9	
Mean	53.5	53.9	54.6	54.2	53.7	54.5	54.7	54.7	54.7	55.7	57.8	60.5	61.6	61.3	60.0	58.4	57.1	56.1	55.2	54.6	54.3	54.2	54.2	53.9	
Mean *	55.6	55.3	55.4	54.8	54.4	54.7	54.1	53.4	53.4	53.8	56.2	59.1	61.0	61.2	60.3	58.9	57.8	57.7	56.9	56.6	56.5	56.1	55.1	55.3	
Mean **	46.9	48.3	53.8	55.0	53.5	55.3	56.1	57.1	55.1	56.7	58.7	61.5	62.4	62.0	59.9	59.2	54.6	52.7	51.4	52.0	54.4	53.5	51.3	50.6	
October	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	54.7	54.7	55.4	58.1	55.1	53.5	54.1	53.1	52.3	52.4	54.5	57.7	59.8	61.0	60.1	59.3	59.6	58.5	54.7	52.7	54.1	54.1	53.5	54.1	
2	54.1	53.9	54.7	54.2	54.8	55.1	55.3	55.1	54.3	54.3	55.8	56.7	58.9	59.2	59.1	57.6	55.0	55.1	55.4	56.1	55.3	56.1	56.1	55.7	
3	55.0	55.3	55.1	55.1	55.2	57.2	55.8	56.0	55.3	55.6	57.2	59.5	61.6	62.1	61.1	60.1	59.0	58.3	57.7	56.5	56.2	55.8	55.7	55.1	
4	53.5	54.1	54.1	54.1	54.7	54.7	54.6	54.0	53.1	53.6	55.5	58.3	60.0	60.1	59.7	58.6	57.5	57.1	57.0	56.8	53.2	55.1	55.1	55.1	
5 *	54.9	54.8	54.9	55.0	54.6	55.0	54.9	54.1	54.2	54.1	55.0	57.2	60.1	61.1	60.6	60.1	58.6	58.1	57.5	56.7	56.5	56.2	56.1	55.6	
6 *	53.0	53.7	54.1	55.1	55.3	55.1	55.3	54.9	54.2	54.0	54.8	56.6	58.8	60.1	59.9	59.3	58.1	57.5	57.1	56.1	56.2	56.3	55.9	55.9	
7	55.9	55.5	55.3	55.2	55.1	54.8	54.4	55.3	58.1	56.6	56.5	59.6	60.9	61.1	61.3	60.7	58.1	57.0	56.4	56.0	55.1	55.0	52.1	48.0	
8	51.2	51.2	51.6	53.5	53.8	54.1	55.0	54.6	53.7	53.7	54.2	56.1	58.3	60.3	60.7	59.2	58.6	57.8	57.1	56.7	55.4	46.9	49.1	53.3	
9	53.9	54.8	55.0	55.5	55.1	55.8	57.1	55.5	54.3	53.4	54.7	57.5	59.6	60.1	60.2	59.2	58.2	57.5	57.0	56.2	55.3	55.1	54.7	54.2	
10	54.1	54.5	53.1	54.5	54.8	55.2	55.1	54.2	53.3	53.1	54.7	57.1	59.4	61.8	61.7	61.0	59.1	58.1	54.2	50.7	47.6	54.2	54.1	53.9	
11	54.9	55.1	54.6	55.2	55.6	55.2	55.1	53.9	52.8	53.5	56.1	59.9	62.8	63.8	63.1	58.1	58.4	56.1	54.8	56.1	55.7	55.3	55.1	54.7	
12 *	54.7	54.7	55.1	54.9	54.7	54.7	54.9	54.1	53.1	53.4	55.1	58.3	60.9	61.4	60.5	58.7	57.4	57.3	57.8	55.1	54.3	54.9	54.8	55.1	
13 *	55.1	54.5	55.1	54.8	55.2	55.1	55.1	54.3	53.7	53.9	55.4	59.5	61.3	61.8	59.8	58.1	56.7	57.5	57.7	56.3	55.1	54.4	53.3	54.0	
14 *	54.7	55.3	55.3	55.3	55.0	55.1	55.1	53.7	53.1	53.9	56.0	58.9	60.4	60.1	59.2	57.7	57.0	57.8	57.7	56.5	56.1	55.6	55.2	55.1	
15 **	55.0	55.2	55.4	55.6	55.6	55.2	55.1	53.6	53.1	54.1	56.1	58.6	61.1	62.7	68.5	70.7	66.9	63.6	47.3	52.2	45.7	42.7	43.8	40.1	
16 **	49.1	53.8	55.6	52.2	54.8	55.3	54.1	53.6	52.1	52.5	55.3	57.2	59.0	59.4	57.8	56.1	48.7	51.1	49.1	47.5	45.4	40.1	43.6	43.2	
17	44.6	50.1	54.2	56.7	55.1	55.7	55.8	55.4	56.1	55.5	55.5	57.5	60.1	61.1	62.1	51.0	56.0	57.0	53.2	47.7	43.3	52.8	49.7	50.6	
18 **	48.7	49.5	53.2	56.3	55.4	53.8	55.0	58.1	61.6	58.5	59.6	59.6	59.2	58.7	60.9	48.0	54.7	55.1	49.2	49.1	40.4	45.6	48.3	53.0	
19 **	50.3	51.1	53.0	58.7	58.3	58.1	63.1	62.6	62.1	59.1	60.8	60.8	61.9	56.1	57.9	53.3	53.6	48.4	47.7	54.1	51.1	50.9	53.7	57.1	
20 **	58.1	58.2	55.9	54.9	56.1	56.2	59.2	57.2	55.4	56.6	58.6	60.9	59.6	61.1	55.1	56.5	54.1	49.3	53.2	45.2	46.1	45.5	47.1	52.2	
21	54.5	57.1	56.1	56.8	55.3	54.6	54.1	53.7	54.0	56.2	59.1	58.7	59.1	61.8	55.3	56.4	56.8	56.5	55.5	55.4	55.1	54.1	54.3	54.3	
22	54.1	54.2	54.7	58.4	58.8	56.1	56.8	59.3	54.3	56.1	56.2	57.1	58.1	56.7	57.1	54.5	52.3	51.1	50.2	50.3	51.1	52.5	53.3	53.4	
23	51.5	54.7	54.9	52.7	55.1	55.5	55.8	53.4	53.4	53.5	57.2	58.9	59.4	59.3	56.2	56.3	55.5	54.1	53.7	54.9	54.9	54.5	54.5	54.8	
24	54.8	54.9	55.1	55.4	55.4	55.1	55.1	54.3	53.3	54.3	56.3	58.9	61.5	62.0	59.9	59.2	57.8	56.6	56.0	55.3	55.0	54.7	53.1	53.8	
25	53.1	53.7	55.1	55.0	55.1	56.8	55.1	54.6	53.7	54.0	55.1	56.1	57.4	57.3	56.2	55.9	56.0	55.3	55.4	55.1	54.8	54.8	53.5	53.9	
26	53.0	54.4	55.1	55.0	55.0	55.1	55.2	55.1	55.1	55.1	55.3	56.9	58.2	59.1	58.5	57.1	56.1	56.1	55.5	54.7	54.0	53.6	53.0	52.7	
27	54.9	57.1	53.1	54.4	54.1	53.1	55.5	56.5	56.1	55.1	57.1	58.7	59.1	59.9	58.8	58.1	58.4	56.4	55.7	54.7	52.5	52.1	49.1	52.7	
28	56.3	54.4	53.8	53.4	54.1	53.7	54.1	53.1	52.8	53.4	55.1	56.2	58.1	58.8	57.7	56.7	55.9	55.7	55.7	55.1	54.1	53.5	52.7	52.3	
29	52.4	53.6	54.1	56.4	56.5	55.1	54.1	53.8	53.4	53.3	54.8	57.0	59.3	59.4	58.5	57.1	56.8	57.6	58.1	57.1	55.1	52.1	48.7	46.6	
30	51.9	53.7	53.6	55.0	54.5	54.7	54.5	54.5	54.2	53.6	55.1	56.6	59.1	58.5	57.3	57.6	56.5	56.2	56.1	55.4	54.1	55.1	54.6	54.1	
31	51.9	50.0	53.6	54.0	53.7	54.5	55.6	54.1	53.2	54.0	56.0	57.5	58.1	58.1	57.0	56.4	55.9	55.4	55.1	55.1	55.1	55.1	55.0	54.9	
Mean	53.4	54.1	54.5	55.2	55.2	55.1	55.5	55.0	54.5	54.5	56.1	58.1	59.7	60.1	59.4	57.7	56.9	56.1	54.8	54.1	52.7	52.7	52.5	52.9	
Mean *	54.5	54.6	54.9	55.0	55.0	55.0	55.1	54.2	53.7	53.9	55.3	58.1	60.3	60.9	60.0	58.8	57.6	57.6	57.6	56.1	55.6	55.5	55.1	55.1	
Mean **	52.2	53.6	54.6	55.5	56.0	55.7	57.3	57.0	56.9	56.2	58.1	59.4	60.2	59.6	60.0	56.9	55.6	53.5	49.3	49.6	45.7	45.0	47.3	49.1	

* 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
November	8° + Tabular Quantities																								
1	54.4	54.6	54.8	54.5	54.6	54.5	54.5	54.2	53.6	55.1	56.8	58.1	59.1	59.1	58.3	57.3	56.7	56.8	50.1	52.5	52.5	53.9	54.4	54.5
2 *	55.1	55.1	55.1	55.1	55.1	55.1	55.5	54.4	53.8	54.2	56.1	57.9	58.7	58.4	57.5	56.5	55.0	56.2	56.3	55.5	55.1	54.9	55.0	54.6
3	54.5	55.0	54.7	55.1	55.3	55.0	54.9	54.1	53.5	54.1	56.3	58.1	59.1	58.9	58.8	58.7	56.9	55.7	54.5	55.5	55.1	54.5	53.5	52.1
4	52.4	54.1	55.5	55.1	54.5	54.5	54.7	54.1	53.5	53.3	54.7	57.1	59.1	58.4	57.2	56.2	56.0	56.1	56.1	55.6	55.1	55.1	52.5	51.9
5	51.7	51.1	51.6	50.8	51.2	53.6	55.6	55.6	55.8	55.7	57.6	58.8	61.2	60.3	63.2	62.9	61.2	58.2	55.2	55.5	55.2	55.0	54.8	54.7
6	55.2	55.6	55.0	54.7	54.3	54.3	54.7	54.2	54.2	55.1	55.8	58.6	58.7	59.2	58.1	58.3	58.7	57.8	56.2	55.4	54.9	55.0	54.7	54.9
7	54.2	54.9	55.0	54.8	55.1	54.4	53.8	53.8	53.8	54.4	56.1	59.2	59.6	59.2	58.1	57.1	56.6	56.6	56.3	56.2	54.0	54.2	54.8	55.2
8	55.1	55.1	55.3	55.6	55.3	55.1	54.2	53.5	53.0	54.3	56.1	58.1	59.1	59.5	59.1	59.1	58.4	56.6	55.9	55.2	54.9	54.6	54.0	51.8
9 *	51.7	54.4	55.1	55.1	54.8	55.1	54.9	54.1	53.7	53.8	55.1	56.5	57.7	58.1	57.3	56.4	56.1	56.2	56.1	55.6	55.1	54.7	54.3	53.7
10 *	54.1	54.5	55.1	55.3	55.0	54.7	54.8	54.3	54.1	53.7	54.5	56.6	58.2	58.6	57.9	57.5	57.0	56.9	56.5	55.6	55.0	54.7	54.5	54.1
11	54.3	54.9	55.1	55.5	55.3	55.1	55.1	54.9	54.3	54.5	56.0	57.9	59.1	60.1	60.0	58.1	57.8	57.5	56.7	53.1	52.8	52.4	54.1	53.9
12	53.5	49.8	52.1	54.1	54.3	54.4	54.7	54.7	54.9	55.1	56.8	57.5	60.1	61.1	59.1	59.1	56.7	56.6	59.1	54.8	49.1	42.1	51.4	55.0
13 **	55.5	55.6	55.3	53.0	54.1	54.7	58.8	58.1	55.4	53.4	56.7	55.7	57.1	61.5	58.5	56.1	50.7	49.7	51.1	48.4	45.8	48.4	51.1	52.1
14 **	55.1	55.1	55.7	59.5	56.3	54.0	57.0	57.1	56.4	55.2	55.6	57.0	58.1	57.4	57.0	56.1	54.5	42.9	44.5	46.9	47.2	50.2	48.6	53.4
15 **	54.5	55.1	55.1	55.0	57.4	57.0	61.5	59.1	60.0	57.1	57.0	57.1	57.5	58.0	52.1	52.8	52.2	55.3	40.8	43.6	49.6	52.9	53.5	54.1
16 **	54.1	56.9	60.1	59.1	53.1	53.8	56.1	57.5	55.1	55.2	55.7	55.5	56.1	55.1	55.4	54.9	51.0	49.1	46.1	54.6	53.7	52.1	56.5	52.8
17	53.7	54.4	58.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	56.1	58.1	58.8	57.8	55.2	54.1	54.1	49.0	50.5	53.7	52.7	51.2	52.1	51.9
18	54.2	57.2	55.9	56.2	57.6	54.2	54.4	54.0	54.2	54.6	56.3	54.8	57.8	57.8	54.6	51.0	52.2	53.7	54.2	54.1	53.4	52.1	53.7	53.7
19 **	56.7	53.9	52.4	56.2	58.9	58.1	59.5	57.2	55.6	55.2	55.4	56.7	60.1	56.2	58.4	56.2	56.2	55.2	54.2	53.6	41.7	47.1	51.6	53.8
20	55.0	54.1	55.6	56.2	53.2	54.9	54.1	54.6	53.6	55.1	55.2	56.2	56.5	55.2	54.7	53.0	54.4	55.5	49.4	51.2	50.8	48.6	48.2	49.9
21	55.6	55.8	55.2	55.2	55.2	54.8	54.8	55.5	55.2	54.6	55.4	56.2	57.6	56.1	56.9	56.3	55.6	55.2	53.2	49.2	48.7	51.2	52.0	53.2
22	53.4	54.2	55.0	55.2	54.8	55.0	54.6	54.1	53.1	53.2	53.8	56.2	57.7	57.2	57.2	56.2	55.6	55.2	54.9	53.2	53.2	53.6	53.5	52.6
23	53.1	54.6	55.1	55.6	55.7	55.2	55.5	56.5	57.4	56.7	57.4	60.2	58.5	58.9	59.1	57.4	56.0	57.6	57.6	54.2	50.2	47.1	47.5	47.8
24	55.1	54.9	53.2	54.1	54.4	55.7	57.1	54.3	54.4	54.7	54.4	55.1	55.4	56.1	56.6	57.1	57.1	57.3	56.6	54.6	54.1	53.3	53.4	52.1
25	53.1	53.4	54.1	54.3	54.5	53.9	53.1	54.1	55.1	54.7	56.1	56.6	58.1	57.2	57.1	56.1	54.8	56.1	55.7	54.1	53.1	50.8	49.5	55.1
26	52.1	49.1	52.5	53.1	54.1	53.5	55.0	55.1	54.7	54.7	55.5	57.1	57.8	57.5	57.1	57.1	56.3	56.1	56.6	55.1	54.2	53.7	54.0	54.1
27	53.9	54.1	54.5	53.4	53.9	54.1	54.4	54.5	55.1	55.2	56.0	56.2	56.9	57.5	56.1	56.1	55.1	54.1	55.1	55.0	54.1	53.4	53.1	53.0
28 *	52.9	53.1	53.9	54.6	54.2	54.6	54.9	54.6	54.6	54.5	54.7	56.0	57.0	57.4	56.8	55.9	55.2	55.0	54.8	54.5	54.4	54.0	52.0	51.1
29	52.0	52.9	53.0	52.7	53.9	54.1	54.0	54.4	55.0	54.5	54.8	56.0	57.2	57.0	56.0	55.3	55.0	55.0	54.8	54.8	54.6	54.4	54.2	54.2
30 *	53.9	53.8	53.7	54.2	54.0	54.5	54.6	54.8	55.0	55.7	56.2	56.7	57.0	56.4	55.6	55.5	56.0	56.0	55.8	55.4	55.3	54.0	54.5	54.7
Mean	54.0	54.2	54.8	54.9	54.8	54.7	55.4	55.1	54.7	54.7	55.8	57.1	58.2	58.0	57.3	56.5	55.6	55.0	53.8	53.6	52.5	52.3	52.9	53.2
Mean *	53.5	54.2	54.6	54.9	54.6	54.8	54.9	54.4	54.2	54.4	55.3	56.7	57.7	57.8	57.0	56.4	55.9	56.1	55.9	55.3	55.0	54.5	54.1	53.6
Mean **	55.2	55.3	55.7	56.6	56.0	55.5	58.6	57.8	56.5	55.2	56.1	56.4	57.8	57.6	56.3	55.2	52.9	50.4	47.3	49.4	47.6	50.1	52.3	53.2
December	8° + Tabular Quantities																								
1 *	54.3	54.7	54.8	55.0	54.8	54.0	54.2	54.9	55.4	55.6	56.2	56.5	57.0	57.0	56.4	56.0	55.8	55.5	55.5	55.1	54.9	54.6	53.6	54.0
2 *	54.2	55.0	55.0	55.0	55.0	54.8	54.7	54.7	55.6	56.0	56.0	56.8	58.0	57.0	56.2	55.8	56.0	56.1	55.4	54.6	54.1	54.3	54.4	54.5
3	54.1	54.4	55.4	55.0	54.1	54.0	53.8	53.9	54.8	54.9	55.3	56.5	58.3	59.0	58.4	58.3	57.0	56.1	55.0	54.6	54.0	53.4	53.4	53.0
4	46.4	51.4	53.2	54.3	53.7	54.0	54.7	54.9	55.0	55.3	56.4	56.4	57.3	57.3	56.0	56.3	55.5	56.6	54.3	54.7	54.0	53.8	53.6	52.0
5	53.2	52.4	53.0	53.7	53.8	53.8	54.0	54.7	54.3	54.7	55.0	56.0	56.8	57.0	56.4	55.9	55.0	54.0	54.0	54.1	54.1	54.3	54.0	53.6
6	53.6	53.8	54.7	55.0	55.0	54.5	54.1	54.2	54.4	55.0	56.0	57.9	57.8	58.1	58.2	58.8	56.6	55.3	55.0	54.2	53.7	51.5	50.8	52.8
7	53.9	53.1	55.9	53.0	53.6	53.7	54.5	54.5	54.2	54.0	55.4	56.2	57.0	57.2	56.2	56.0	55.3	55.4	55.0	54.3	54.0	53.7	53.0	53.0
8	54.2	54.2	54.0	54.1	54.3	54.6	54.2	54.3	54.7	55.0	55.4	56.2	57.0	57.0	57.0	57.6	57.0	57.0	56.0	54.4	53.6	53.0	52.0	49.0
9	48.0	52.8	54.8	54.9	54.7	54.7	54.9	54.7	54.7	54.3	55.0	55.9	57.0	57.0	56.5	56.1	56.7	56.3	55.4	53.4	46.4	53.0	52.6	52.6
10	53.0	54.1	54.6	54.5	54.1	54.0	54.0	54.0	54.4	54.7	55.6	56.8	57.0	56.9	56.5	56.0	55.5	55.7	55.7	54.9	54.4	53.7	51.8	52.4
11 **	51.9	53.0	53.7	54.1	55.7	55.0	56.0	56.5	56.7	56.0	56.4	58.2	58.9	60.9	59.0	58.9	57.6	55.0	52.0	50.0	46.0	44.9	48.0	50.6
12 **	57.9	53.9	53.0	56.8	56.0	56.5	58.0	55.0	55.5	53.6	54.1	56.0	56.9	58.1	58.0	53.4	54.1	50.5	47.5	48.3	50.3	53.0	53.0	57.0
13 **	52.2	53.0	53.7	53.9	54.9	55.7	55.7	55.1	54.0	54.0	54.3	55.6	57.0	57.4	56.4	56.0	55.2	54.9	55.0	51.0	51.6	51.5	52.2	53.0
14	53.6	54.0	54.1	55.0	55.0	54.8	54.6	54.4	54.7	55.0	56.0	56.3	57.0	55.9	54.8	54.4	54.6	54.0	54.0	52.0	50.8	53.2	53.2	53.0
15	54.0	54.0	54.2	54.3	54.8	54.8	54.7	55.0	55.2	55.3	55.5	56.1	55.9	55.9	55.5	55.5	55.0	55.0	54.8	52.0	48.8	49.0	49.9	52.5
16	54.0	55.6	55.2	54.6	54.6	54.9	55.1	55.1	55.1	55.6	56.8	56.3	56.6	57.1	56.5	55.8	54.9	54.8	54.7	54.6	54.1	53.6	52.1	53.0
17	53.0	54.1	54.8	54.6	54.7	55.0	55.8	55.5	55.8	55.4	56.2	55.7	56.3	56.5	56.1	55.9	54.1	54.1	54.2	54.7	54.7	51.4	49.9	53.2
18	53.8	55.5	54.2	54.9	54.7	54.9	55.1	54.9	55.0	55.7	56.6	56.1	56.8	57.4	57.4	57.1	56.5	54.5	54.1	54.6	53.8	53.1	52.5	53.9
19	53.7	54.4	54.8	54.6	54.8	54.6	55.2	55.2	54.7	55.2	56.2	56.5	57.2	57.2	56.2	55.6	55.6	54.5	55.2	54.1	53.0	52.1	52.2	53.3
20	54.2	54.2	54.3	54.2	54.2	54.5	54.3	54.2	54.2	54.5	55.4	56.2	57.2	57.2	56.8	56.5	57.2	56.6	54.2	53.6	53.2	54.2	54.0	53.7
21	54.4	53.9	54.0	54.6	54.4	54.6	55.0	54.6	54.3	54.8	56.1	56.4	56.8	57.0	56.1	56.0	55.8	55.4	55.1	54.5	53.9	54.1	51.5	52.5
22 **	53.1	54.4	54.9	54.6	55.1	56.2	56.4	55.5	55.1	55.1	55.5	55.8	56.7	57.5	57.2	57.1	55.1	56.1	55.3	49.9	50.4	52.7	52.9	53.1
23 *	53.2	53.8	54.1	54.7	54.5	54.5	54.9	54.4	54.5	54.4	55.5	55.5	56.1	56.5	56.1	55.7	55.5	56.6	53.1	55.3	54.9	53.7	52.9	52.4
24	52.9	52.1	53.5	54.1	53.6	53.5	54.1	54.1	54.1	54.5	54.6	54.9	56.1	56.2	55.8	55.1	55.5	55.0	54.6	53.9	53.8	54.1	53.2	53.6
25	54.1	53.9	54.1	53.6	54.9	54.1	54.6	54.7	54.7	55.1	55.9	55.9	56.7	56.6	55.9	55.1	55.6	54.1	55.1	53.9	53.6	54.1	49.9	53.9
26	54.0	54.2	54.6	54.7	54.6	54.6	54.5	54.3	55.0	55.4	56.1	56.6	56.2	55.1	54.1	55.0	55.7	55.3	55.1	53.9	53.1	51.1	49.8	53.2
27	54.0	53.7	54.0	54.0	54.1	54.0	54.5	54.5	54.9	55.8	55.6	55.9	55.8	54.2	54.5	55.0	55.1	55.3	55.6	56.0	54.4	53.1	52.8	51.8
28	53.7	53.0	51.8	52.5	54.0	54.3	54.3	55.0	55.6	56.5	57.0	56.7	57.0	56.3	54.4	55.6	55.4	55.3	56.0	52.1	52.5	53.8	54.0	53.3
29 **	55.1	53.6	53.3	53.6	53.6	54.0	54.0	54.0	54.0	54.6	56.4	57.3	57.0	55.4	54.7	56.2	56.5	56.0	55.6	55.2	54.6	53.5	46.5	49.7
30 *	53.5	54.0	54.1	54.0	54.0	55.0	55.0	54.3	54.0	54.3	56.4	56.9	56.0	56.0	54.8	55.0	54.9	55.5	55.1	54.5	54.5	54.1	54.4	53.8
31 *	53.4	53.4	53.9	53.9	53.6	53.6	53.6	54.6	54.3	55.0	55.9	55.7	56.4	55.2	54.1	54.9	54.4	54.5	54.8	54.4	54.0	54.0	53.8	53.4
Mean	53.4	53.8	54.2	54.4	54.5	54.6	54.8	54.7	54.8	55.0	55.8	56.3	56.9	56.9	56.2	56.0	55.6	55.2	54.6	53.6	52.9	52.9	52.2	52.9
Mean *	53.7	54.2	54.4	54.5	54.4	54.4	54.5	54.6	54.8	55.1	56.0	56.3	56.7	56.3	55.5	55.5	55.3	55.6	54.8	54.8	54.5	54.1	53.8	53.6
Mean **	54.0	53.6	53.7	54.6	55.1	55.5	56.0	55.2	55.1	54.7	55.3	56.6	57.3	57.9	57.1	56.3	55.7	54.5	53.1	50.9	50.6	51.1	50.5	52.7

* 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	671	676	680	686	677	677	686	686	681	675	673	667	671	681	689	678	689	675	674	675	671	676	677	691
2	674	678	681	681	683	687	691	684	675	684	671	681	674	678	669	661	673	656	659	648	668	673	677	677
3	673	678	674	675	681	684	684	682	685	683	681	684	684	678	671	675	678	677	680	681	681	684	681	677
4 *	679	681	679	681	681	683	686	688	694	693	687	685	687	686	686	685	692	692	687	688	689	689	687	688
5 **	688	691	691	694	691	691	704	675	625	617	601	616	624	628	644	648	647	621	611	631	645	647	675	657
6	639	648	651	657	661	665	667	671	668	668	661	664	661	658	661	626	657	647	645	646	646	661	667	669
7	670	670	669	672	674	675	675	678	678	682	680	681	667	666	662	652	647	654	676	678	680	675	677	679
8	676	673	678	691	691	693	691	685	684	684	683	684	689	691	687	684	685	687	681	680	681	684	677	676
9	688	681	680	684	686	691	690	687	687	694	696	695	691	685	681	679	686	691	692	688	695	689	681	682
10 *	681	680	686	691	693	695	695	695	693	686	681	685	691	695	691	691	696	697	699	697	692	695	698	687
11	675	683	686	691	691	688	693	697	694	686	676	678	681	685	689	688	688	689	689	691	686	687	682	685
12	681	687	687	691	687	690	691	691	694	694	694	695	699	697	683	685	693	695	692	691	690	691	691	687
13	687	691	691	692	694	695	698	699	696	691	688	695	704	695	695	681	685	692	693	688	657	657	678	679
14	678	684	685	681	684	683	686	691	687	681	681	686	693	694	695	690	688	686	680	687	688	683	687	690
15 *	688	688	688	688	691	695	694	696	695	693	690	691	697	699	697	695	695	695	695	695	694	691	689	689
16 *	687	688	691	695	696	699	701	701	698	697	701	707	708	705	701	691	688	694	694	695	694	693	691	695
17 *	689	691	694	695	697	698	701	701	702	704	697	695	697	701	698	697	697	698	701	698	691	691	714	698
18	694	694	696	702	703	703	703	705	708	704	686	684	681	671	671	674	661	668	671	662	674	683	683	691
19 **	694	693	690	680	715	728	720	707	702	679	656	664	666	667	660	659	669	675	676	656	654	664	672	673
20	705	674	668	674	686	688	690	684	670	664	666	674	673	673	677	680	684	686	684	680	679	678	684	687
21	686	683	683	689	695	698	700	703	705	695	692	687	686	694	693	692	690	688	684	686	684	689	682	684
22	684	690	689	690	697	696	696	695	696	694	686	682	680	686	687	689	690	694	697	694	694	697	694	685
23	700	694	686	686	692	690	693	694	697	693	688	685	686	690	690	692	690	693	694	692	694	693	694	693
24	694	694	694	697	700	703	706	704	704	690	672	666	674	683	681	664	661	666	658	647	668	685	685	683
25	683	680	681	683	687	694	697	701	703	694	676	625	650	683	680	660	655	672	674	666	658	684	676	672
26 **	704	660	694	680	677	688	695	690	690	682	670	666	664	670	664	662	664	688	670	670	670	696	684	667
27 **	664	653	655	674	673	673	679	673	679	681	673	661	629	645	643	653	659	652	679	643	661	667	673	679
28 **	679	675	679	675	679	677	684	687	677	673	669	663	669	675	675	659	643	669	683	694	674	671	690	673
29	671	681	685	669	689	685	679	683	689	684	674	683	682	663	659	665	671	661	675	699	682	679	679	684
30	693	676	679	673	693	692	689	683	695	689	677	675	685	684	674	664	659	679	682	673	689	682	679	681
31	683	681	679	673	685	686	692	689	689	683	673	665	682	688	690	683	679	677	679	682	682	683	685	682
Mean	683	681	682	684	688	690	692	690	688	684	677	676	678	680	678	674	676	678	679	677	678	681	684	682
Mean *	685	686	688	690	692	694	695	696	696	695	691	693	696	697	695	692	694	695	695	695	692	692	696	691
Mean **	686	674	682	681	687	691	696	686	675	666	654	654	650	657	657	656	656	661	664	659	661	669	679	670
February	18000 γ + Tabular Quantities (in γ)																								
1 *	679	682	683	682	683	684	683	685	691	692	693	693	693	695	689	686	682	683	683	689	683	689	685	685
2	685	685	686	692	685	689	695	697	693	683	679	684	689	689	692	686	672	682	689	689	692	686	689	684
3	685	687	698	689	693	694	699	702	697	698	693	685	692	694	689	683	682	683	693	695	689	689	697	692
4	691	693	692	689	689	694	699	700	699	699	696	690	690	697	679	678	681	689	679	691	692	692	690	689
5 *	689	689	691	693	694	696	697	698	695	690	684	681	682	685	689	689	689	695	693	690	696	695	695	693
6 *	692	693	693	695	697	699	702	702	696	690	687	689	689	688	692	695	693	692	693	693	693	692	693	691
7 *	692	694	695	699	699	702	704	703	699	690	689	686	688	689	693	694	694	696	698	701	699	697	693	693
8	691	691	692	695	700	702	702	703	703	695	693	690	684	689	696	694	699	702	702	701	694	692	690	686
9	695	702	695	696	694	709	712	711	707	705	700	693	677	674	682	686	674	688	696	694	685	677	688	681
10	680	680	683	687	690	690	693	693	694	700	698	696	697	694	685	694	686	682	684	676	664	693	683	693
11	686	703	689	687	687	687	690	686	685	685	687	690	681	686	685	685	686	690	693	694	690	686	687	686
12	685	685	688	690	690	693	693	694	695	693	685	680	680	683	680	681	680	680	684	688	686	690	690	695
13 *	693	694	694	694	694	693	694	696	696	696	696	695	700	698	699	697	696	698	700	700	694	692	696	690
14	697	704	695	692	690	697	705	703	690	700	704	700	698	695	694	690	680	686	687	670	686	692	694	690
15	692	704	693	690	697	704	704	700	707	703	700	702	700	697	690	690	690	693	696	697	704	700	700	680
16	696	675	683	684	690	694	697	695	690	678	678	680	680	676	676	673	660	664	664	685	694	696	696	696
17	693	691	692	695	697	709	711	706	699	689	690	693	689	686	685	689	689	693	697	692	684	688	687	689
18	689	689	688	691	692	696	697	699	696	693	692	690	692	691	694	697	699	699	701	701	699	695	695	692
19	690	689	687	689	694	695	700	697	695	695	693	693	685	685	692	683	693	694	692	689	693	694	695	704
20	705	689	686	689	693	693	694	695	695	695	695	695	699	702	703	697	693	696	693	689	693	699	699	697
21	697	730	698	684	688	687	697	698	690	686	691	694	694	692	694	693	683	688	688	698	689	688	688	706
22 **	692	693	692	688	689	694	692	698	694	692	692	698	694	695	702	703	702	688	682	662	662	688	647	658
23 **	682	652	666	668	664	676	692	686	664	672	681	683	678	672	648	651	651	670	702	666	688	684	678	708
24 **	688	690	682	680	688	708	688	674	653	674	676	671	652	668	675	672	671	675	667	683	732	717	672	688
25 **	675	677	673	672	680	669	672	662	644	648	655	664	671	658	678	680	672	664	682	674	662	672	674	707
26 **	695	683	683	674	668	678	683	671	658	668	652	642	644	678	670	669	650	648	681	661	698	686	672	671
27	677	664	670	672	675	674	675	671	664	654	672	660	681	689	682	665	668	680	673	684	684	681	723	671
28	666	670	674	666	678	695	688	678	674	678	681	682	684	685	683	672	674	686	681	678	688	681	684	691
Mean	688	689	687	687	689	693	695	693	688	687	687	686	685	687	686	685	682	685	688	687	690	690	689	689
Mean *	689	690	691	693	693	695	696	697	695	692	690	689	690	691	692	692	691	693	693	695	693	693	692	690
Mean **	686	679	679	676	678	685	685	678	663	671	671	672	668	674	675	675	669	669	683	669	688	689	669	686

* 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	688	684	677	676	678	678	681	681	681	664	682	685	691	690	686	681	674	682	683	691	681	700	685	685
2 **	698	681	682	681	691	698	688	678	642	632	621	624	618	622	628	644	633	618	595	635	652	661	686	688
3	685	677	685	689	702	708	690	688	682	672	662	654	665	678	681	683	681	685	686	678	691	698	692	677
4	675	688	701	683	689	692	695	693	685	683	679	675	677	682	682	683	684	676	688	689	694	695	693	693
5	693	693	695	699	701	694	696	695	689	685	681	679	678	677	679	690	685	676	689	694	694	700	684	687
6	688	688	688	689	689	692	697	695	690	685	679	677	682	679	681	685	688	693	695	695	699	702	681	675
7	663	669	673	672	681	679	679	674	682	679	666	669	669	667	673	675	680	681	679	673	673	676	682	685
8	688	686	689	689	689	689	692	692	693	679	667	672	682	689	683	684	657	663	679	690	673	663	669	663
9 **	639	649	663	659	665	665	670	673	676	669	665	632	653	661	673	664	673	673	670	679	714	664	673	678
10	666	659	649	649	666	666	667	675	669	663	667	664	659	666	680	679	665	668	673	688	685	677	684	674
11 *	676	683	675	685	682	682	682	679	679	677	676	680	686	686	687	687	688	690	693	690	684	686	686	686
12 *	689	701	683	682	685	687	691	689	686	683	685	686	695	696	699	699	697	695	693	693	695	694	692	689
13 *	691	692	689	691	692	692	693	694	685	681	680	681	684	689	693	697	696	699	702	702	705	703	706	709
14	709	696	696	697	702	709	705	703	700	692	689	687	685	683	691	693	695	693	689	699	685	699	705	693
15	692	693	697	695	696	702	703	702	699	681	679	675	657	679	684	684	685	676	689	692	694	696	697	699
16	703	699	692	685	699	700	699	693	691	683	681	682	680	685	692	692	685	695	699	697	693	703	695	686
17 *	693	692	691	695	699	702	703	697	687	684	673	675	680	685	690	693	695	695	693	695	695	694	695	693
18 *	693	693	695	699	702	704	706	707	703	695	684	682	685	689	693	694	699	701	703	711	713	710	706	709
19	719	719	699	705	683	695	706	709	703	694	686	679	676	685	692	680	682	671	679	685	711	690	689	693
20	689	683	684	682	683	683	685	688	688	683	675	670	675	678	681	686	691	699	688	685	676	667	675	689
21	685	685	705	700	687	702	699	699	679	679	679	656	679	692	689	689	673	689	669	700	695	692	689	695
22	703	683	699	695	689	675	683	689	689	671	667	673	683	689	685	684	683	675	679	689	683	695	675	688
23 **	689	695	689	703	692	683	671	693	696	679	665	673	674	683	681	669	687	669	699	671	665	682	682	683
24 **	689	690	711	692	664	675	696	659	674	636	635	654	652	663	672	680	662	675	686	685	654	711	689	653
25 **	667	665	689	667	663	670	670	655	653	657	657	660	649	668	657	669	682	679	679	671	701	709	693	683
26	683	679	681	682	685	686	692	682	683	682	681	667	679	676	675	679	682	679	683	697	728	724	681	676
27	694	689	679	676	679	682	684	675	673	673	665	657	681	680	679	675	685	689	690	689	703	708	697	695
28	689	694	699	704	683	683	685	683	675	667	670	672	667	669	674	689	673	681	681	685	709	691	692	699
29	689	684	689	686	684	685	689	683	679	678	678	679	681	683	685	690	689	690	693	703	713	699	725	707
30	705	697	696	696	679	699	697	699	691	685	689	689	689	679	685	685	686	686	705	693	691	694	702	702
31	699	698	702	693	693	695	699	700	695	689	681	685	682	677	684	683	689	693	697	687	683	671	684	691
Mean	688	687	688	687	686	689	690	688	684	676	672	671	674	678	681	683	681	682	685	688	691	692	690	688
Mean *	688	692	687	690	692	693	695	693	688	684	680	681	686	689	692	694	695	696	697	698	698	697	697	697
Mean **	676	676	687	680	675	678	679	672	668	655	649	649	649	659	662	665	667	663	666	668	677	685	685	677
April	18000 γ + Tabular Quantities (in γ)																								
1	703	689	686	689	693	694	692	686	685	665	671	681	671	684	693	692	692	689	692	699	699	699	698	699
2	704	715	705	695	688	689	693	692	677	665	663	670	675	680	679	683	685	679	689	685	701	699	693	693
3	681	692	692	689	690	687	694	685	683	676	677	686	690	688	689	683	693	699	705	714	693	695	705	695
4 **	665	687	683	689	687	689	698	682	678	673	669	670	672	669	676	680	673	689	689	671	679	685	706	686
5 *	689	683	684	689	690	692	690	689	693	685	683	683	689	695	696	689	686	689	694	691	696	697	695	693
6 *	689	683	683	686	689	693	694	690	679	675	673	677	679	677	683	690	693	695	696	693	695	697	703	702
7 *	691	689	689	689	691	695	699	699	693	682	673	669	672	679	679	689	692	699	707	705	701	699	693	695
8	693	684	685	689	693	702	699	698	687	683	679	669	672	673	681	693	702	707	707	707	705	715	706	695
9	713	700	691	688	697	702	699	697	691	689	684	685	689	686	695	702	706	713	713	721	725	720	719	720
10	716	709	705	707	717	715	713	713	703	693	687	666	674	682	687	686	695	699	697	702	699	701	715	703
11	701	699	702	699	699	708	696	697	673	666	653	672	675	679	679	677	693	662	705	699	707	709	704	698
12	705	709	700	699	697	700	699	694	691	677	678	659	683	679	686	691	692	695	701	699	699	703	709	706
13	702	723	712	697	696	701	704	700	686	671	681	683	685	664	663	682	683	706	699	702	705	702	702	703
14 *	703	703	695	695	694	703	704	704	692	681	677	675	675	684	692	698	702	705	703	699	703	702	705	701
15	701	699	696	699	699	713	716	714	699	682	669	673	674	675	683	700	705	712	712	715	717	718	715	715
16 **	711	723	728	705	706	727	704	691	676	670	657	655	646	655	669	662	642	696	692	702	695	753	699	697
17	697	686	689	691	695	698	692	682	683	688	683	666	654	653	663	683	689	705	703	705	705	699	703	701
18	697	690	695	695	699	695	699	686	685	679	672	678	685	687	682	693	696	708	704	695	699	698	699	703
19	703	691	696	692	699	700	695	691	686	677	672	683	653	667	679	675	669	687	695	699	699	701	719	693
20 **	676	693	694	676	687	687	681	689	666	685	675	657	665	659	650	666	677	695	689	699	693	729	733	683
21 **	699	683	689	696	692	686	693	667	659	671	665	663	666	669	676	693	706	699	715	692	691	709	716	702
22	695	689	693	689	696	696	689	681	671	665	662	663	671	676	676	687	683	692	702	715	705	699	705	693
23 **	697	689	696	690	723	702	684	673	659	659	653	655	663	675	673	692	688	694	695	714	695	698	692	713
24	699	692	692	692	693	693	693	692	689	685	680	684	683	689	693	694	703	705	729	728	722	729	726	723
25	714	704	701	699	705	709	706	702	696	692	689	689	689	695	706	719	705	713	719	711	705	708	713	719
26	706	703	695	699	699	702	702	712	709	705	693	687	680	679	683	683	703	703	702	705	705	703	729	703
27	694	698	699	691	692	691	685	683	687	679	683	675	679	673	683	694	703	703	707	709	706	703	705	715
28 *	713	709	704	702	695	696	696	697	699	689	687	682	678	684	689	698	703	709	708	707	706	705	705	703
29	704	705	705	705	705	709	708	703	706	702	693	682	690	703	703	694	701	705	708	708	705	703	704	704
30	704	705	711	710	709	705	713	705	715	708	692	678	673	684	693	695	703	700	699	696	690	689	689	692
Mean	699	697	697	694	697	699	698	693	687	681	676	674	675	678	683	689	692	698	703	703	701	706	707	702
Mean *	697	693	691	692	692	696	697	696	691	682	679	677	679	684	688	693	695	699	702	699	700	700	700	699
Mean **	690	695	698	691	699	698	692	680	668	672	664	660	662	665	669	679	677	695	696	696	691	715	709	696

* 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	692	693	695	693	693	691	691	685	685	682	672	675	679	684	697	684	695	704	704	702	703	704	703	702
2 *	700	701	700	694	696	695	695	691	683	676	673	668	680	696	698	698	703	704	701	701	699	703	700	699
3 *	699	702	699	700	701	699	699	695	689	683	685	686	686	694	699	709	709	702	701	705	701	708	704	703
4	703	699	700	701	709	709	713	709	702	693	696	699	699	702	701	709	709	706	709	709	709	709	709	707
5	707	704	702	701	715	710	713	709	699	695	693	679	681	677	689	693	708	709	709	709	709	715	713	709
6 **	703	705	726	713	720	725	739	730	705	695	652	633	647	653	671	686	679	693	700	709	708	722	695	703
7	703	699	689	679	693	687	667	687	690	686	686	655	651	666	668	673	689	696	700	704	705	711	714	713
8 **	705	704	695	700	685	683	666	676	691	692	680	691	699	695	681	687	684	693	715	707	706	719	723	710
9	687	699	691	692	699	686	679	682	688	679	669	679	680	676	683	689	698	708	718	704	710	704	719	705
10	694	695	690	689	690	689	685	683	679	673	679	679	686	682	675	698	695	695	709	712	709	705	709	707
11	704	702	700	698	694	692	698	698	691	683	694	698	694	702	702	704	706	707	707	707	709	711	708	702
12 *	698	701	702	695	694	692	688	688	684	680	680	682	684	691	694	698	702	711	710	712	708	705	708	706
13 *	704	702	702	705	705	701	699	693	691	688	690	693	698	699	695	694	695	698	705	708	708	708	711	708
14 *	711	708	704	703	705	706	700	694	688	684	682	684	685	690	698	703	711	715	712	718	718	712	712	719
15 **	711	712	714	718	730	725	713	695	698	694	685	698	708	699	689	677	713	717	716	690	695	672	712	689
16 **	672	669	659	714	687	644	652	648	638	632	598	605	625	665	678	663	688	679	671	704	670	686	660	649
17	661	667	666	668	662	658	662	651	650	656	658	658	666	668	671	682	675	698	708	698	695	698	685	704
18	712	686	681	677	686	668	672	670	674	662	651	662	670	662	671	684	695	702	698	708	704	692	688	685
19 **	713	702	697	684	679	693	689	676	668	671	646	654	674	668	672	689	694	699	702	704	706	718	708	705
20	688	688	682	682	688	690	686	680	668	684	682	674	672	674	679	680	688	700	702	704	698	692	692	701
21	691	688	691	684	685	681	682	684	681	677	679	672	668	674	679	681	699	708	712	710	709	702	700	699
22	704	698	693	681	697	698	698	698	694	689	688	682	680	673	693	700	701	712	712	711	703	695	692	698
23	703	698	690	690	693	693	690	685	678	672	678	678	680	679	680	692	698	711	707	708	719	718	714	712
24	701	700	698	699	695	692	692	697	700	701	704	702	698	695	696	698	704	708	713	708	705	705	708	707
25	705	703	704	702	703	698	695	696	700	699	698	687	685	683	688	693	704	715	717	720	718	722	723	729
26	718	713	709	706	707	702	696	693	692	690	692	698	698	695	690	688	694	701	713	728	739	738	736	733
27	725	726	712	714	734	718	692	660	652	651	651	662	678	674	672	670	688	689	698	704	704	707	702	702
28	701	700	697	694	693	694	691	687	681	677	676	675	674	674	683	691	697	687	703	713	703	700	697	696
29	694	696	697	696	691	689	680	681	680	677	673	683	683	673	674	687	696	698	706	707	703	703	701	694
30	701	697	694	691	695	694	691	684	683	685	687	684	691	697	698	697	694	696	699	707	704	709	711	701
31	697	702	703	697	700	699	693	687	681	677	673	687	692	701	697	713	697	703	714	707	707	701	699	701
Mean	700	699	696	695	698	694	691	687	683	680	676	676	680	683	686	691	697	702	706	708	706	706	705	703
Mean *	702	703	701	699	700	699	696	692	687	682	682	683	687	694	697	700	704	706	706	709	707	707	707	707
Mean **	701	698	698	706	700	694	692	685	680	677	652	656	671	676	678	680	692	696	701	703	697	703	700	691
June	18000 γ + Tabular Quantities (in γ)																								
1	701	701	704	707	702	700	690	685	684	685	687	691	691	694	697	703	711	715	717	710	709	710	705	707
2 **	710	711	713	734	710	703	699	689	697	669	654	667	680	674	681	676	706	703	716	695	697	683	701	691
3 **	707	699	700	691	677	684	691	631	671	671	667	665	661	662	654	697	705	717	711	712	703	711	707	708
4 **	698	706	693	709	685	673	687	691	683	666	643	649	668	682	693	693	701	716	702	707	707	705	707	701
5	700	697	698	693	702	693	697	677	690	681	676	682	679	684	692	703	708	708	721	736	722	705	704	704
6	706	706	706	688	692	688	687	694	690	687	685	673	681	683	682	692	707	715	712	713	711	707	707	705
7	700	699	693	702	707	706	697	678	667	674	673	677	683	686	687	687	697	701	707	710	707	710	711	711
8	707	705	699	695	697	697	697	693	687	681	683	684	680	678	682	694	703	707	714	713	712	713	711	710
9	707	708	709	707	707	705	697	687	684	683	685	684	691	697	697	700	701	707	718	717	717	719	716	712
10	712	709	706	709	709	710	712	700	688	687	680	679	682	691	697	706	709	719	718	723	723	718	713	713
11	707	704	705	709	712	705	697	682	678	677	680	682	694	697	696	699	701	713	721	721	721	720	731	711
12	710	710	710	711	716	716	709	695	686	678	682	699	704	700	712	710	730	740	713	711	726	729	692	698
13	699	700	721	704	693	693	686	685	679	670	676	686	692	682	691	698	704	712	718	718	709	706	710	720
14	706	700	703	696	696	695	686	682	676	676	679	686	694	686	692	700	709	711	720	716	714	712	709	703
15	700	700	698	698	700	696	694	691	686	683	679	680	676	683	696	704	713	716	718	716	713	710	708	706
16 *	703	704	706	708	708	704	699	691	682	676	676	688	691	696	699	709	709	712	712	716	718	719	720	720
17	717	716	715	716	713	710	712	706	696	694	689	684	689	693	688	706	699	716	716	716	720	716	713	709
18	702	702	704	700	703	698	692	686	685	682	684	682	686	689	696	704	709	710	724	726	728	722	718	713
19 *	713	710	714	715	713	706	699	696	695	693	693	696	699	706	704	712	713	716	715	717	717	716	716	712
20	711	708	708	709	706	709	713	716	716	710	708	699	692	709	698	696	709	726	742	733	713	714	700	696
21	696	700	698	698	698	694	688	696	698	685	684	684	674	684	692	697	709	706	726	716	712	707	719	699
22	699	700	700	701	700	697	698	696	686	686	692	690	681	691	699	699	710	710	700	712	712	710	719	703
23 *	700	696	696	696	696	696	693	687	689	686	686	686	686	687	696	705	711	709	710	710	711	707	702	702
24	701	704	701	708	709	699	697	698	698	694	690	696	702	702	703	696	703	713	726	717	716	716	706	703
25	704	709	699	706	704	706	699	692	686	680	680	686	700	701	709	710	706	716	720	721	720	712	706	706
26 *	705	705	703	703	705	702	699	695	695	695	696	696	696	701	707	709	709	714	722	717	714	710	705	706
27 *	706	710	707	708	705	705	703	699	695	689	697	705	705	700	707	708	701	711	711	715	720	715	719	708
28	708	708	708	704	707	707	706	701	696	691	691	692	698	707	711	713	715	717	719	727	729	724	723	731
29 **	730	730	729	729	730	724	718	719	709	662	655	674	703	728	678	701	720	720	727	705	722	705	702	705
30 **	715	730	715	685	695	689	683	675	659	648	675	672	688	690	703	700	714	709	701	725	708	715	710	699
Mean	706	706	705	705	703	700	697	690	688	681	681	684	688	692	695	701	708	713	717	716	715	712	710	707
Mean *	705	705	705	706	705	703	699	694	691	688	690	694	695	698	703	709	709	712	714	715	716	713	712	710
Mean **	712	715	710	710	699	695	696	681	684	663	659	665	680	687	682	693	709	713	711	709	707	704	705	701

* 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
July	18000 γ + Tabular Quantities (in γ)																								
1 **	697	705	701	700	705	701	701	706	687	639	663	658	664	692	705	699	702	705	705	711	709	715	709	705
2 **	704	707	708	719	709	705	677	702	692	671	662	659	669	675	693	699	701	721	722	720	706	712	734	705
3	703	697	697	702	708	701	698	689	685	678	675	665	665	672	693	701	713	710	708	712	715	705	706	708
4	725	713	700	694	685	690	699	691	685	681	679	649	683	689	693	699	705	702	714	711	712	711	710	705
5	704	701	699	698	705	707	681	698	700	690	675	670	671	683	689	695	705	705	706	714	709	706	705	702
6	701	709	705	705	701	701	698	689	686	690	701	699	699	697	691	695	700	705	705	714	714	715	717	721
7	705	708	705	709	705	706	717	701	691	685	682	682	679	685	699	699	708	725	721	707	712	715	709	715
8	727	702	691	694	691	695	694	687	679	684	689	685	701	698	699	711	709	705	721	708	702	697	702	701
9	703	703	699	698	699	695	689	689	687	691	694	699	699	691	693	715	718	719	725	721	719	715	708	701
10	705	713	709	705	705	699	685	678	673	672	679	691	697	699	699	698	693	702	707	708	709	711	712	711
11 *	712	715	709	716	708	705	700	689	677	669	669	678	691	699	705	714	715	715	718	719	719	716	711	711
12	709	709	709	714	712	705	696	689	685	685	690	695	702	709	718	720	727	719	725	721	732	731	705	711
13	712	715	705	712	719	718	685	679	678	665	665	683	690	692	685	692	697	711	712	718	715	708	701	699
14	700	700	702	700	703	699	696	696	690	682	680	689	700	706	722	726	726	741	729	746	734	729	726	722
15	722	725	709	708	706	690	699	704	689	684	685	685	688	666	689	695	700	714	706	718	715	710	706	705
16 *	701	705	706	702	705	705	701	696	690	688	686	686	692	696	700	700	706	712	713	713	712	710	710	706
17 *	703	704	706	709	712	712	704	694	688	692	693	691	689	693	698	704	706	714	716	720	716	716	716	716
18 *	720	720	720	713	711	707	704	696	689	689	691	699	703	703	716	719	717	723	726	722	722	720	716	718
19	719	730	724	708	710	711	709	702	697	690	680	683	692	696	709	713	714	719	722	724	720	716	714	709
20	712	707	707	705	705	705	709	705	695	691	692	695	697	704	703	706	701	705	708	708	709	709	709	708
21 *	707	708	705	704	702	702	699	694	682	684	692	695	693	689	695	699	705	711	714	712	712	711	719	705
22	701	700	701	703	705	705	701	692	681	679	685	689	695	699	705	705	709	715	712	721	725	721	718	715
23 **	711	706	705	699	725	712	697	692	689	659	665	669	694	676	679	705	691	701	708	702	689	688	713	685
24	692	693	685	683	688	688	685	680	675	675	673	660	671	686	695	705	704	692	715	710	718	716	715	709
25	702	699	698	699	699	696	695	690	685	679	678	684	695	701	705	705	699	695	705	715	705	713	715	713
26	725	719	713	703	699	701	699	690	675	675	679	678	685	677	662	684	693	697	709	715	739	735	721	719
27 **	744	724	716	682	728	711	684	692	649	652	638	641	664	688	687	684	711	707	704	719	705	701	708	708
28	703	710	705	708	694	686	684	674	635	659	664	661	674	696	700	706	709	714	690	704	708	707	725	704
29 **	694	710	714	691	701	698	684	684	670	661	646	665	670	680	685	681	691	714	702	697	721	710	700	714
30	704	704	702	696	697	696	680	667	656	665	667	673	679	700	690	693	700	704	698	707	705	724	705	716
31	706	694	690	698	704	704	699	678	682	674	649	673	669	665	680	706	709	707	707	705	703	704	704	703
Mean	709	708	705	702	705	702	695	691	681	677	676	678	686	690	696	702	706	711	712	714	714	713	712	709
Mean *	709	710	709	709	708	706	702	694	685	684	686	690	694	696	703	707	710	715	717	717	716	715	714	711
Mean **	710	710	709	698	714	705	689	695	677	656	655	658	672	682	690	694	699	710	708	710	706	705	713	703
August	18000 γ + Tabular Quantities (in γ)																								
1	700	700	700	701	694	698	696	690	680	673	680	681	690	681	700	700	709	700	717	708	709	730	702	699
2	698	703	704	711	703	699	694	685	688	682	674	685	690	694	694	702	698	698	695	708	708	704	704	714
3	717	697	694	694	698	694	684	688	687	688	693	691	692	692	688	691	694	706	707	709	714	718	714	710
4	708	712	718	707	704	704	703	697	694	688	688	693	698	704	708	694	690	689	707	706	718	710	708	702
5	704	708	698	699	704	704	698	697	691	694	695	695	695	694	698	703	704	704	711	714	721	712	714	714
6	713	710	709	709	712	707	703	694	684	676	681	691	701	704	704	707	694	708	717	724	729	717	713	709
7	710	712	714	714	717	701	698	688	682	672	673	680	689	701	711	710	706	700	707	714	712	712	710	714
8	711	708	701	700	698	700	691	683	681	683	688	692	697	701	708	706	704	707	706	708	707	710	714	715
9	716	714	710	696	712	700	710	700	697	690	692	702	701	707	695	711	727	719	717	721	725	713	714	718
10	707	713	713	713	709	713	707	688	657	686	693	684	686	689	694	697	686	709	709	716	706	709	709	704
11	706	705	698	723	705	713	700	691	671	655	659	673	677	687	693	686	689	682	696	709	699	688	689	686
12 **	694	716	716	725	729	665	660	651	635	614	617	646	669	694	696	679	687	680	699	697	703	699	703	695
13	686	687	703	696	696	689	685	683	683	656	656	666	686	699	717	706	727	717	715	722	707	707	702	698
14	706	700	702	697	688	704	694	680	675	670	665	670	684	697	695	700	710	698	704	716	708	710	709	705
15	713	708	702	704	704	708	706	694	687	687	690	688	690	698	704	710	710	714	710	704	732	705	698	702
16	715	699	694	697	701	701	698	694	683	668	660	683	700	711	708	693	696	696	706	708	711	710	707	704
17 *	701	704	704	702	704	701	702	697	690	692	696	700	704	695	697	707	706	710	713	711	710	708	705	702
18	701	705	712	706	702	700	698	692	687	684	684	694	702	703	704	716	714	707	710	714	710	710	710	704
19 *	707	704	703	705	704	707	704	698	690	684	681	680	687	697	699	707	712	711	721	724	722	718	714	714
20 *	709	704	698	701	702	704	701	698	694	688	694	702	702	698	698	702	709	718	720	720	720	718	722	720
21 *	716	717	712	710	710	710	704	688	678	680	682	693	698	704	704	704	709	715	716	718	717	716	714	714
22 *	714	712	711	712	708	708	704	695	687	690	693	699	705	705	700	702	702	705	706	714	715	712	713	711
23 **	715	714	721	718	717	713	710	706	694	690	700	673	677	699	672	696	674	676	684	708	710	707	751	729
24 **	698	714	718	714	680	667	661	655	654	648	662	670	656	677	684	684	679	710	685	714	700	705	711	694
25	695	699	694	685	694	695	675	674	653	607	645	654	658	666	680	685	688	694	698	700	718	711	698	706
26	713	704	698	699	693	694	685	676	664	676	684	687	676	674	691	696	704	710	703	698	703	709	711	695
27 **	696	700	704	689	694	682	679	674	665	650	658	664	679	681	689	705	663	722	688	706	695	700	727	719
28	705	685	692	698	684	679	693	674	664	639	652	648	666	668	694	682	704	698	701	700	708	734	714	703
29	709	704	704	687	694	664	667	681	675	672	638	662	669	675	681	694	685	693	722	702	735	713	704	702
30 **	701	680	704	699	691	681	650	654	648	643	645	664	676	685	690	659	695	696	704	714	705	699	705	717
31	702	706	700	701	704	681	684	683	675	665	675	682	667	662	658	669	697	691	694	705	717	698	698	712
Mean	706	705	705	704	702	696	692	685	677	671	674	680	686	692	695	697	699	703	706	711	713	710	710	707
Mean *	709	708	706	706	706	706	703	695	688	687	689	695	699	700	700	704	708	712	715	717	717	714	714	712
Mean **	701	705	713	709	702	682	672	668	659	649	656	663	671	687	686	685	680	697	692	708	703	702	719	711

* 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	695	692	687	689	698	695	687	687	671	668	675	674	673	690	689	670	681	698	705	708	704	705	709	704
2	698	712	709	693	688	685	678	666	677	671	668	669	677	679	679	693	689	688	689	691	711	692	709	703
3 **	689	693	695	699	695	693	689	685	680	677	683	688	691	697	694	683	698	714	746	701	716	697	680	707
4 **	661	643	675	663	673	672	657	645	623	633	661	656	668	673	667	666	668	675	676	710	688	698	680	663
5	709	681	667	673	677	685	691	683	677	670	679	683	687	693	699	701	703	698	699	703	719	709	693	696
6	696	695	696	692	692	692	685	656	686	688	687	682	678	675	688	686	689	692	697	694	702	705	708	721
7	702	698	696	695	695	692	690	688	692	672	666	680	686	696	700	702	695	686	699	697	699	698	705	708
8	722	702	692	690	690	692	692	692	682	661	674	682	686	692	696	686	692	693	693	702	702	704	704	704
9 *	709	702	702	708	708	702	702	692	689	682	685	690	698	702	705	703	704	705	705	708	707	704	706	712
10	706	705	705	705	705	704	706	702	694	685	688	696	700	716	726	718	705	702	702	705	710	707	732	702
11	699	745	698	699	705	704	697	687	670	680	677	687	706	715	710	708	708	709	710	708	706	705	708	710
12	704	707	704	705	709	709	706	700	697	678	686	694	698	705	710	705	708	708	712	715	702	702	715	702
13	702	692	696	692	700	698	701	682	676	674	682	688	693	696	699	699	702	702	702	706	705	712	700	702
14 *	703	702	703	703	706	709	707	697	689	683	683	686	693	700	703	703	707	712	712	713	709	708	706	706
15	705	706	707	719	717	719	719	716	703	706	699	700	706	713	715	703	722	727	686	689	687	701	701	700
16	693	701	700	699	704	703	698	697	693	696	699	699	697	697	703	703	696	678	683	688	689	697	700	698
17	697	696	693	703	701	706	693	691	695	686	687	690	687	679	673	682	687	697	700	710	713	705	706	703
18	699	701	700	703	703	701	698	706	703	694	691	691	693	697	700	704	708	719	720	696	690	707	713	715
19 **	719	696	672	703	693	683	659	650	673	659	603	663	655	673	655	653	639	709	650	670	701	701	691	686
20 **	679	673	674	677	675	679	676	666	661	669	657	655	658	671	669	664	656	672	679	706	723	712	693	735
21	692	689	677	689	693	697	694	657	665	668	647	663	669	679	678	671	682	687	687	694	686	693	695	699
22	693	696	713	693	717	711	700	661	658	670	663	676	689	696	689	693	696	693	706	700	696	733	693	701
23 **	720	691	693	699	703	711	702	683	685	667	631	650	669	688	663	697	689	690	671	683	683	702	696	701
24	691	685	683	692	696	693	676	639	677	679	663	657	659	669	681	683	691	676	680	688	723	693	693	690
25	690	696	699	693	693	690	686	677	664	667	673	677	681	688	679	689	697	700	686	699	679	693	698	695
26	697	698	696	697	699	701	699	686	677	677	677	680	683	684	680	687	687	693	699	707	700	709	700	696
27	707	698	712	737	726	699	693	697	684	674	660	649	658	668	673	683	679	687	692	700	693	695	697	697
28 *	703	710	703	695	700	706	707	696	689	677	673	673	677	687	689	693	697	696	687	703	703	703	697	696
29 *	696	696	697	699	706	707	707	705	700	693	689	689	695	703	709	713	717	717	716	715	713	712	710	707
30 *	706	706	706	707	715	717	718	718	717	705	693	693	696	700	701	701	703	696	677	683	713	710	704	707
Mean	699	697	695	697	699	699	694	684	682	677	673	679	684	691	691	691	693	697	696	700	702	704	701	702
Mean *	703	703	702	702	707	708	708	702	697	688	685	686	692	698	701	703	706	705	699	704	709	707	705	706
Mean **	694	679	682	688	688	688	677	666	664	661	647	662	668	680	670	673	670	692	684	694	702	702	688	698
October	18000 γ + Tabular Quantities (in γ)																								
1	705	709	718	707	727	707	710	710	700	689	687	683	676	673	686	687	687	693	691	726	703	703	695	700
2	699	696	697	700	703	703	703	703	700	697	693	689	693	696	697	692	694	686	689	701	713	706	711	708
3	705	703	704	708	707	709	712	705	698	688	685	679	685	693	701	704	700	703	707	707	711	709	707	708
4	709	708	703	703	703	702	698	697	691	687	687	695	701	707	705	706	707	707	708	709	713	717	718	715
5 *	713	710	707	708	708	708	707	705	706	704	694	694	698	702	705	704	704	708	714	720	720	720	718	716
6 *	714	716	707	707	707	710	711	711	712	710	706	703	701	701	698	704	706	714	715	721	720	721	719	717
7	723	721	721	720	718	719	720	701	710	702	700	695	681	678	686	686	694	702	704	703	704	707	704	686
8	699	698	696	698	700	705	705	711	714	711	699	689	690	689	684	694	706	713	711	709	702	723	704	704
9	704	707	708	708	712	714	724	714	704	694	689	692	694	696	703	704	707	710	714	711	710	709	707	705
10	704	709	713	704	703	704	706	704	700	693	686	688	690	697	697	695	691	705	703	699	692	701	705	718
11	708	704	705	705	709	709	708	708	700	691	687	687	682	679	689	694	694	694	706	708	708	709	714	710
12 *	707	706	706	708	708	706	706	705	698	690	681	683	689	698	705	708	710	714	714	694	690	700	704	705
13 *	705	704	708	707	707	712	714	714	704	696	686	684	692	704	704	704	699	708	707	706	707	707	709	706
14 *	706	705	706	706	706	705	706	708	703	694	693	696	700	703	706	707	707	709	709	713	715	713	713	711
15 **	709	709	709	712	713	715	715	710	706	710	705	706	710	729	715	643	647	630	630	651	662	705	690	663
16 **	656	679	669	666	663	676	663	673	670	669	663	660	667	668	659	647	661	658	682	653	673	652	649	672
17	667	653	671	673	681	696	684	686	679	660	679	685	679	667	668	631	685	671	672	663	663	679	694	705
18 **	683	683	683	673	688	683	680	669	673	643	626	637	640	646	627	633	633	646	649	669	667	667	665	672
19 **	693	693	740	681	679	673	663	641	646	611	616	655	628	640	665	659	645	671	703	681	689	703	686	694
20 **	696	703	707	700	675	681	688	693	663	654	654	657	640	659	653	656	681	687	681	713	689	711	676	687
21	677	682	679	683	687	693	693	693	665	619	628	643	681	668	663	688	693	696	695	694	694	696	697	698
22	697	693	695	697	709	713	688	691	677	670	663	669	676	681	685	677	691	689	709	690	683	694	702	701
23	694	691	699	699	699	690	697	693	696	687	677	669	670	677	679	687	690	693	703	697	695	696	697	697
24	695	693	696	697	699	703	706	709	697	683	686	692	664	680	687	696	699	700	700	701	701	699	698
25	700	697	690	705	694	700	705	704	701	693	693	693	699	697	697	698	699	701	703	703	703	705	703	703
26	703	700	703	706	707	707	713	706	696	693	687	689	687	690	693	699	703	707	703	697	697	702	706	699
27	700	711	701	700	707	717	704	700	688	691	688	680	674	674	670	688	689	678	677	704	680	687	697	693
28	697	714	702	700	704	701	702	704	700	695	687	684	688	694	696	699	694	703	702	702	701	704	701	697
29	699	701	694	697	707	717	718	714	711	707	700	696	692	697	699	704	710	721	710	700	703	723	714	690
30	689	690	691	695	701	702	706	706	705	699	695	695	694	690	695	701	705	707	710	708	705	706	705	705
31	715	703	695	694	700	705	708	710	706	701	699	696	695	694	696	700	705	705	709	709	708	707	706	705
Mean	699	700	701	699	701	703	702	700	694	685	681	682	683	686	687	687	691	694	698	699	697	703	700	700
Mean *	709	708	707	707	707	708	709	709	705	699	692	692	696	702	704	705	705	711	712	711	710	712	713	711
Mean **	687	693	702	686	684	686	682	677	672	657	653	663	657	668	664	648	653	658	669	673	676	688	673	678

* 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
November	18000 γ + Tabular Quantities (in γ)																								
1	703	700	701	701	704	705	704	702	700	696	688	689	698	702	705	701	701	701	695	697	697	701	707	703
2 *	705	705	707	709	711	715	713	712	709	703	695	695	695	695	699	699	699	708	707	713	715	712	709	707
3	707	706	707	708	711	712	715	713	709	705	702	701	703	702	698	695	703	708	712	712	710	711	709	712
4	705	701	705	710	711	712	711	711	705	699	693	698	706	710	710	707	709	711	714	711	711	707	702	699
5	700	700	694	696	705	711	724	709	698	691	687	681	675	670	665	659	650	659	679	695	698	699	699	700
6	698	705	701	698	705	709	710	705	701	701	701	706	706	699	697	701	705	709	711	709	709	706	705	705
7	705	701	705	705	707	707	705	705	695	690	686	689	691	698	701	705	710	711	706	706	698	702	705	709
8	708	706	706	707	710	709	709	707	699	693	690	686	693	699	701	701	701	705	709	713	715	715	711	725
9 *	704	702	706	708	710	710	715	714	714	711	704	704	704	707	708	710	711	714	714	711	709	707	708	707
10 *	706	706	707	708	712	714	714	712	712	708	702	700	702	704	708	710	714	714	714	714	714	714	714	714
11	710	712	712	714	716	720	719	718	718	712	704	702	704	709	710	718	716	715	707	690	694	697	706	704
12	712	713	699	697	701	708	714	718	712	704	698	688	693	701	685	690	697	704	696	680	671	710	707	698
13 **	700	700	731	721	714	701	694	694	688	684	669	654	640	643	687	688	684	704	671	676	714	718	694	688
14 **	691	689	704	723	719	704	692	696	687	675	665	668	637	670	688	694	684	672	676	654	684	687	705	684
15 **	687	690	691	697	704	700	714	684	670	676	671	640	635	637	651	647	682	681	673	680	692	688	694	695
16 **	694	697	694	709	718	694	694	692	686	680	680	680	685	688	694	682	666	658	664	694	689	699	704	699
17	697	696	696	698	700	707	701	704	707	701	701	694	696	689	697	696	680	668	680	689	704	730	719	690
18	691	699	704	690	695	700	703	700	699	694	674	668	694	698	693	688	694	688	700	698	697	705	701	714
19 **	720	706	700	694	724	722	705	704	700	702	684	693	689	640	670	688	682	685	690	691	703	698	689	695
20	698	695	711	716	704	695	698	697	677	688	691	694	691	690	690	667	678	696	705	700	688	714	674	688
21	690	694	693	694	698	704	697	694	690	684	673	675	678	689	699	698	698	699	694	693	684	688	694	698
22	697	692	695	696	698	700	700	700	698	694	694	695	694	699	700	700	704	704	704	690	694	700	698	704
23	702	702	704	706	708	709	722	724	708	699	689	696	699	704	701	708	707	718	714	688	721	670	664	680
24	718	694	700	704	704	705	711	709	712	704	694	692	694	694	694	698	693	691	696	701	701	695	696	702
25	698	694	698	701	703	718	714	713	714	708	706	698	689	694	699	705	708	712	710	700	698	707	706	704
26	699	691	700	699	700	706	706	708	707	704	698	699	704	704	701	704	709	710	707	705	704	704	702	700
27	700	698	706	706	705	708	708	698	707	706	699	695	697	708	709	709	704	700	704	702	705	706	705	714
28 *	706	702	704	704	707	711	715	716	714	708	704	704	705	708	709	710	711	714	715	717	714	709	701	702
29	698	698	704	704	705	705	709	708	710	705	700	704	702	704	704	706	708	711	712	714	712	712	711	710
30 *	704	706	704	707	708	712	712	711	712	714	712	712	711	708	710	714	717	720	720	718	712	708	710	708
Mean	702	700	703	704	707	708	708	706	702	698	692	690	690	692	696	697	697	700	700	699	702	704	702	702
Mean *	705	704	706	707	710	712	714	713	712	709	703	703	703	704	707	709	710	714	714	715	713	710	708	708
Mean **	698	696	704	709	716	704	700	694	686	683	674	667	657	656	678	680	680	680	675	679	696	698	697	692
December	18000 γ + Tabular Quantities (in γ)																								
1 *	706	704	706	708	711	717	718	719	723	720	718	716	714	713	714	712	716	717	718	721	718	716	714	716
2 *	715	712	714	713	714	714	714	717	720	722	716	715	714	712	714	714	714	712	714	712	709	714	714	710
3	708	708	709	709	708	713	716	716	718	719	712	707	704	704	700	707	704	704	701	704	707	714	711	701
4	718	702	702	704	707	708	711	714	714	714	711	708	714	714	714	714	716	716	703	710	713	708	707	715
5	714	714	714	704	704	711	712	714	714	713	711	709	711	715	710	710	707	708	712	714	714	714	714	714
6	709	705	708	710	713	714	716	717	719	724	726	725	717	706	699	704	705	710	710	709	708	702	703	702
7	704	702	723	712	709	715	714	714	714	713	704	701	710	712	711	711	713	714	711	710	708	709	717	710
8	709	707	708	706	710	711	715	717	715	714	709	712	716	720	717	708	710	714	714	705	711	701	702	718
9	708	706	707	708	711	714	714	714	710	704	703	703	704	705	709	711	709	702	700	704	710	704	709	707
10	704	704	706	708	710	712	713	712	709	704	695	701	706	704	703	703	710	719	721	721	717	715	715	702
11 **	704	701	704	706	714	719	729	734	728	719	698	696	696	644	674	693	685	665	665	669	679	686	684	688
12 **	699	691	696	695	707	705	696	696	697	697	696	689	675	683	681	674	695	694	691	675	683	694	697	709
13 **	703	695	695	702	704	710	713	708	703	695	691	694	690	690	694	704	707	708	696	684	712	688	696	700
14	700	702	701	706	706	714	713	715	709	704	698	700	701	700	704	704	702	699	700	698	701	704	702	709
15	707	704	704	705	709	714	719	718	718	717	712	708	702	699	704	710	714	710	710	696	691	703	694	698
16	702	704	705	705	709	714	716	718	711	707	707	708	709	709	708	710	712	707	710	710	714	712	719	714
17	708	704	709	710	714	721	725	724	724	718	719	714	711	708	708	714	708	716	717	715	707	702	714	708
18	710	718	710	709	710	712	714	716	717	718	718	718	716	714	707	705	708	707	712	708	710	707	714	715
19	713	707	710	710	714	714	717	722	724	720	723	723	718	715	713	712	711	701	694	698	698	704	700	708
20	707	706	708	713	709	714	715	714	714	714	717	718	714	712	708	710	707	704	704	707	706	711	710	704
21	714	710	708	709	710	714	714	714	713	710	713	717	718	720	715	714	714	713	714	711	711	707	704	727
22 **	711	713	716	717	719	718	724	728	734	726	719	716	716	714	712	701	700	707	702	695	700	698	702	704
23 *	704	704	706	707	708	711	713	712	710	708	708	709	712	710	708	711	718	714	704	698	708	711	711	708
24	702	700	700	707	708	712	724	718	710	709	705	697	704	706	709	712	712	712	707	710	707	705	704	706
25	712	705	706	708	709	713	713	724	721	718	714	713	713	714	707	711	708	708	709	708	708	704	697	699
26	700	700	701	704	705	705	706	705	706	708	714	718	724	724	720	715	711	713	714	711	712	703	695	696
27	699	698	701	706	709	709	708	707	709	713	714	714	715	716	713	709	704	714	718	711	712	743	722	688
28	695	694	699	705	707	710	710	709	708	706	709	712	716	708	706	706	708	708	710	701	710	709	710	706
29 **	712	702	702	704	708	712	714	712	711	710	711	716	720	716	717	717	723	710	719	717	714	711	717	698
30 *	702	704	707	708	707	710	714	716	712	712	716	714	716	716	717	714	716	714	705	707	708	710	710	710
31 *	708	708	708	708	710	710	716	718	716	714	708	710	716	714	712	711	714	718	717	716	714	711	710	707
Mean	707	704	706	707	709	713	715	716	715	713	710	710	710	708	707	708	709	708	707	705	707	707	707	706
Mean *	707	706	708	709	710	712	715	716	716	715	713	713	714	713	713	712	716	715	712	711	711	712	712	710
Mean **	706	700	703	705	710	713	715	716	715	709	703	702	699	689	696	698	702	697	695	688	698	695	699	700

* 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	315	321	319	314	313	317	318	318	318	320	321	323	325	327	327	327	329	328	333	333	331	329	325	323
2	323	323	323	323	323	321	319	319	319	319	319	319	320	327	328	337	333	330	337	335	333	328	327	323
3	326	326	326	326	326	323	324	323	320	321	321	319	320	323	324	330	329	328	329	329	327	325	325	323
4 *	322	320	317	318	319	319	320	319	319	319	317	316	316	316	317	322	324	323	323	326	327	323	321	320
5 **	317	322	321	320	319	319	314	310	313	313	319	333	349	356	356	349	346	349	373	359	353	347	339	327
6	332	335	335	335	332	332	332	331	328	324	324	329	333	335	339	346	346	345	350	350	350	346	340	335
7	331	333	332	331	329	329	330	329	327	324	321	322	323	326	330	334	339	341	342	338	335	332	331	328
8	326	326	323	316	319	319	321	323	322	322	322	322	324	325	327	326	328	328	328	330	332	328	326	325
9	322	316	321	322	322	325	324	324	322	318	316	320	322	322	322	323	325	325	324	325	326	323	323	323
10 *	323	322	320	318	321	322	322	322	321	321	318	316	318	322	323	322	322	322	322	321	321	322	321	320
11	323	322	318	317	316	316	317	317	316	313	313	316	318	322	322	322	322	322	322	322	322	324	322	322
12	322	322	322	318	318	318	317	318	316	314	312	310	312	317	317	319	319	320	318	321	322	322	321	321
13	321	322	322	319	317	317	316	315	316	316	316	316	316	316	317	317	322	322	322	322	328	336	334	328
14	326	326	319	320	320	322	319	320	318	322	322	319	322	323	324	322	323	323	324	324	325	325	325	326
15 *	324	321	319	319	319	319	318	317	316	319	319	318	321	322	322	321	322	322	322	321	320	320	322	319
16 *	321	320	319	319	322	322	319	318	316	316	312	310	312	318	322	322	322	322	323	322	320	318	318	317
17 *	318	317	316	316	316	318	316	314	312	310	314	312	306	306	312	315	317	318	318	317	316	318	316	309
18	310	312	313	313	313	313	315	312	310	309	312	314	317	320	322	324	330	332	332	329	332	326	322	320
19 **	319	319	318	315	301	299	295	297	302	304	308	312	314	318	326	326	332	332	330	333	337	332	326	321
20	308	308	313	315	317	320	320	319	318	319	322	322	321	322	325	324	325	323	324	325	327	325	324	320
21	316	316	318	318	318	318	318	318	318	319	318	315	315	316	318	317	319	321	322	322	322	321	318	321
22	316	315	315	316	316	316	316	318	318	317	316	315	316	318	318	316	318	319	318	319	320	318	318	317
23	315	307	309	311	311	314	314	315	315	317	317	315	313	314	316	315	316	316	318	318	318	316	315	314
24	313	311	311	311	311	313	311	314	311	309	312	315	312	315	319	325	326	329	334	341	341	331	326	323
25	321	319	318	316	315	315	314	315	315	312	311	315	317	321	325	326	334	331	331	331	335	332	327	324
26 **	310	312	313	301	306	311	309	312	312	312	312	315	320	325	334	337	343	340	333	335	326	326	314	317
27 **	318	317	311	314	315	321	321	321	321	317	318	317	325	336	345	356	351	345	347	341	337	332	329	326
28 **	326	324	324	321	321	321	318	318	319	319	317	316	321	322	327	334	347	338	335	328	326	325	311	311
29	321	308	308	316	316	315	314	314	315	315	311	315	317	320	331	334	339	337	340	327	325	325	325	325
30	317	315	315	318	321	317	315	316	315	315	315	315	314	315	320	326	333	335	331	327	325	321	321	322
31	314	310	311	312	311	311	315	315	314	312	313	315	317	318	324	325	325	325	324	324	323	319	319	318
Mean	320	319	318	318	318	318	317	317	317	316	316	317	319	322	325	327	329	329	330	329	328	326	324	322
Mean *	322	320	318	318	319	320	319	318	317	317	316	314	315	317	319	320	321	321	322	321	321	320	320	317
Mean **	318	319	317	314	312	314	311	312	313	313	315	319	326	331	338	340	344	341	344	339	336	332	324	320
February	43000 γ + Tabular Quantities (in γ)																								
1 *	318	320	317	317	319	318	317	312	315	311	309	310	310	311	315	315	319	319	320	319	319	319	317	316
2	314	316	318	315	316	317	316	314	313	310	310	307	307	312	316	320	323	323	323	320	320	320	320	318
3	318	320	316	314	315	316	314	313	313	310	307	306	307	311	310	314	318	320	320	320	317	316	314	311
4	312	313	313	313	313	314	314	314	310	310	306	302	301	304	310	316	318	317	321	321	320	317	316	316
5 *	314	314	315	315	314	316	314	313	314	313	311	305	304	306	310	313	316	315	315	318	316	314	313	312
6 *	313	313	314	314	314	314	314	312	314	314	308	307	307	307	310	313	316	315	318	317	318	316	315	314
7 *	315	314	315	315	314	314	314	313	313	312	309	306	306	304	306	310	313	314	314	314	314	314	314	314
8	311	311	312	310	310	310	310	309	310	307	304	300	300	304	306	306	311	310	312	311	313	313	313	313
9	315	308	311	311	311	311	305	307	306	307	306	301	306	311	315	315	321	324	319	317	318	321	315	316
10	316	315	315	315	315	315	314	313	311	311	304	303	305	305	315	315	317	316	322	328	336	339	326	323
11	321	311	311	314	315	314	313	311	311	311	311	311	311	311	314	315	317	317	317	317	319	320	318	317
12	317	319	319	317	315	315	314	312	315	315	308	306	307	311	317	319	324	321	323	321	318	318	318	316
13 *	317	318	317	317	317	316	313	311	310	310	308	307	306	309	314	315	314	313	315	315	315	316	316	315
14	317	311	311	313	312	313	311	307	305	306	301	298	300	306	312	316	316	316	318	322	321	316	314	316
15	316	312	309	310	310	307	304	304	304	302	299	295	301	306	311	311	311	313	314	313	312	311	311	315
16	311	312	315	317	317	315	313	311	311	309	307	305	309	311	317	321	331	340	333	329	323	320	317	316
17	316	317	318	317	314	315	310	309	311	309	308	305	309	313	316	319	319	318	319	319	321	319	318	317
18	315	314	315	316	315	316	314	314	314	311	307	304	305	307	311	312	316	316	319	319	316	315	315	315
19	315	313	313	314	313	315	314	313	311	309	308	307	307	308	311	314	321	321	321	321	321	319	317	314
20	305	305	309	311	312	315	315	315	314	309	308	306	307	307	311	312	315	315	317	320	320	317	315	313
21	315	301	295	304	307	311	309	307	308	308	308	306	307	310	309	311	315	315	317	321	319	321	321	317
22 **	311	307	305	309	309	311	309	307	311	311	307	304	302	305	306	306	311	314	325	335	335	331	317	321
23 **	295	301	307	306	306	306	301	299	301	304	305	307	309	315	317	331	334	341	336	331	324	318	319	315
24 **	295	291	295	283	289	286	283	291	298	301	311	310	317	321	325	326	337	331	331	331	317	305	306	305
25 **	298	280	284	291	300	307	307	305	311	314	317	317	321	328	331	326	327	327	332	326	325	325	323	309
26 **	298	304	304	298	302	311	311	305	305	312	311	314	321	331	328	335	343	351	349	338	329	316	315	320
27	318	314	313	317	321	321	316	315	313	315	316	312	316	317	321	327	332	331	331	329	327	327	315	302
28	315	320	320	316	306	302	306	312	310	312	312	312	312	315	320	326	328	335	328	327	326	322	322	317
Mean	312	311	311	311	311	312	311	310	310	310	308	306	308	311	314	317	321	322	322	322	321	319	316	315
Mean *	315	316	316	316	316	316	314	312	313	312	309	307	307	307	311	313	316	315	316	317	316	316	315	314
Mean **	299	297	299	297	301	304	302	301	305	308	310	310	314	320	321	325	330	333	335	332	326	319	316	314

* 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	318	316	317	320	321	318	317	318	316	314	312	306	307	311	316	322	324	324	322	322	322	322	318	320
2 **	314	311	306	304	296	301	300	303	306	307	318	325	335	357	399	399	418	392	375	355	340	330	322	320
3	318	320	323	310	305	304	308	313	312	312	308	312	316	316	316	320	322	322	322	325	326	322	312	316
4	320	322	310	312	316	317	317	317	318	316	309	306	307	312	318	323	327	329	329	325	324	322	319	318
5	318	320	320	318	316	316	318	322	318	312	308	305	304	308	313	319	323	322	323	323	323	319	317	317
6	316	316	317	317	317	319	318	318	317	314	315	311	311	312	315	317	323	323	321	321	321	318	321	325
7	321	313	316	319	322	321	321	320	317	315	315	313	312	317	323	325	327	331	331	331	329	328	326	325
8	324	321	319	317	317	317	317	319	321	317	315	311	312	314	315	329	341	338	337	334	339	335	336	315
9 **	267	294	317	318	318	321	320	320	318	317	317	316	321	325	327	331	337	335	335	337	335	324	331	308
10	311	301	301	308	313	315	317	321	321	321	317	315	317	322	327	330	338	339	339	335	332	331	331	328
11 *	327	326	325	321	321	321	323	323	321	321	321	317	320	318	321	322	325	325	323	323	325	325	326	325
12 *	324	319	318	320	320	320	318	319	319	318	314	311	309	311	314	317	320	319	318	321	323	323	324	324
13 *	323	321	321	319	320	319	318	321	321	321	315	307	305	309	315	319	321	318	315	317	317	317	320	318
14	317	315	317	316	315	311	310	311	311	311	301	296	295	300	309	314	317	316	319	321	321	324	315	317
15	316	315	315	315	314	313	311	309	311	305	305	298	305	313	316	317	321	323	324	321	321	318	317	317
16	316	316	315	315	314	314	313	315	314	311	308	306	306	311	317	321	324	325	321	318	319	319	317	315
17 *	315	314	315	315	316	315	315	317	317	311	305	299	298	303	308	316	323	323	321	321	320	317	317	315
18 *	317	315	317	316	315	316	315	315	315	308	304	301	303	307	312	315	322	320	318	318	317	315	315	315
19	313	302	300	303	307	309	309	312	311	307	307	304	305	314	320	328	336	337	335	333	330	321	317	312
20	305	301	307	315	317	320	320	320	317	311	306	303	305	308	312	318	324	325	324	331	330	335	330	325
21	323	318	306	291	301	302	305	305	307	306	300	298	306	310	315	322	330	333	341	345	317	315	316	317
22	307	295	291	300	306	307	311	314	313	311	310	308	307	308	311	318	325	328	328	325	326	321	319	318
23 **	318	318	316	297	293	301	305	310	306	301	305	307	305	312	318	339	359	343	341	331	329	325	322	320
24 **	317	311	299	292	292	305	309	309	314	311	317	316	318	320	328	331	344	345	345	335	325	305	291	301
25 **	311	298	301	296	303	309	312	311	307	312	312	313	314	321	328	340	341	349	351	339	328	321	311	315
26	319	319	321	319	314	313	317	320	316	311	307	307	312	318	329	331	337	337	333	331	325	309	307	311
27	310	311	314	311	304	306	307	311	307	302	299	307	316	320	328	331	332	329	326	327	328	321	315	315
28	317	312	308	300	301	311	310	309	309	305	305	305	310	316	321	330	335	337	337	335	321	317	317	320
29	315	311	313	316	317	316	315	317	316	308	305	305	306	310	316	321	324	321	325	325	318	320	316	311
30	314	319	317	315	314	308	311	314	309	306	304	301	299	307	317	321	330	328	333	331	334	330	326	321
31	324	324	322	321	321	318	321	321	317	313	307	305	305	307	314	318	324	325	325	325	330	326	324	321
Mean	315	313	313	311	312	313	314	315	314	311	309	308	309	314	321	326	332	331	330	328	326	322	319	318
Mean *	321	319	319	318	318	318	318	319	319	316	312	307	307	310	314	318	322	321	319	320	320	319	320	319
Mean **	305	306	308	301	300	307	309	311	310	310	314	315	319	327	340	348	360	353	349	339	331	321	315	313
April	43000 γ + Tabular Quantities (in γ)																								
1	310	306	315	319	319	319	321	321	315	309	305	297	297	308	315	318	325	328	331	327	325	323	321	321
2	320	303	301	307	311	314	317	320	316	311	307	302	302	310	315	321	330	332	333	332	330	321	320	316
3	315	314	310	311	314	314	316	320	316	307	302	301	301	301	311	319	324	323	326	327	325	327	324	313
4 **	292	297	301	301	306	311	311	313	313	311	306	301	305	311	324	332	335	335	337	345	336	329	321	315
5 *	321	321	320	321	321	321	321	318	311	305	304	304	306	310	317	325	328	328	329	327	326	324	321	319
6 *	318	318	316	317	316	319	321	321	315	309	301	298	301	306	315	321	327	329	331	332	331	327	325	317
7 *	318	321	318	317	318	319	319	321	321	316	309	306	306	314	319	324	327	327	328	327	326	325	324	321
8	321	319	320	319	319	315	316	315	309	306	304	301	304	305	311	313	318	321	321	321	323	321	312	313
9	312	309	311	311	311	313	314	315	307	305	299	295	295	301	307	311	314	319	321	320	319	319	318	318
10	318	315	315	314	313	311	311	311	307	301	297	295	297	301	307	313	319	321	321	324	325	325	321	317
11	317	318	316	316	308	305	305	305	309	309	306	309	311	314	321	326	337	341	336	331	326	323	321	321
12	321	311	311	311	314	314	313	313	313	307	303	295	300	305	314	321	324	323	321	321	321	320	317	315
13	316	315	305	308	313	316	315	316	314	307	301	298	301	308	325	325	327	331	325	324	321	317	317	315
14 *	318	315	316	316	317	317	316	315	308	305	302	295	297	304	309	313	316	317	317	317	317	315	315	314
15	316	315	314	311	311	314	311	312	305	301	298	295	295	300	308	312	315	317	318	318	317	316	315	315
16 **	317	312	300	295	282	283	288	296	301	306	305	305	306	321	333	344	354	352	335	329	332	321	309	312
17	312	301	305	311	315	318	318	318	316	311	305	296	298	304	307	316	323	326	322	323	321	319	320	317
18	320	318	317	316	315	315	311	311	307	305	302	301	303	311	317	322	323	322	321	325	325	321	317	318
19	315	313	311	307	295	301	305	311	309	308	307	306	304	315	321	333	338	334	329	327	325	323	315	305
20 **	304	308	304	303	305	303	300	298	298	299	295	292	295	302	320	326	324	327	331	329	329	323	306	304
21 **	295	295	303	303	300	304	307	305	305	306	305	305	305	311	317	325	331	335	345	335	331	327	311	307
22	311	314	309	308	311	310	314	314	311	313	306	305	306	316	331	339	341	342	339	331	324	321	316	309
23 **	304	308	311	301	293	287	295	303	304	307	305	305	308	317	325	335	333	335	336	331	325	323	321	311
24	311	314	316	317	318	315	317	317	317	311	303	297	295	301	307	311	314	315	317	318	318	318	317	315
25	316	317	316	315	317	315	315	315	310	302	299	299	301	301	303	306	307	311	319	324	325	325	322	314
26	311	313	314	314	313	311	308	307	304	301	297	297	297	303	311	313	317	323	324	323	321	320	317	311
27	314	311	307	310	315	313	314	314	307	301	301	297	300	304	305	311	315	320	322	323	321	321	320	315
28 *	310	311	311	310	312	313	311	311	309	310	308	305	305	308	309	314	315	315	316	315	315	314	314	314
29	317	316	315	314	314	312	311	308	306	304	301	297	300	307	311	318	320	321	321	320	317	316	315	315
30	315	315	311	310	307	308	311	311	311	309	309	303	301	307	309	316	331	335	333	331	331	328	323	322
Mean	313	312	311	311	311	311	312	313	310	307	303	300	301	308	315	321	325	327	327	326	324	322	318	315
Mean *	317	317	316	316	317	318	318	317	313	309	305	302	303	308	314	319	323	323	324	324	323	321	320	317
Mean **	302	304	304	301	297	298	300	303	304	306	303	302	304	312	324	332	335	337	337	334	331	325	314	310

* 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
May	43000 γ + Tabular Quantities (in γ)																								
1	321	321	321	321	322	321	319	318	321	317	313	312	311	311	315	318	319	322	323	321	318	318	318	318
2 *	316	315	313	314	319	319	320	319	317	312	304	299	300	306	312	316	320	322	323	322	321	320	319	319
3 *	317	317	317	317	317	317	317	316	313	310	302	299	302	307	311	315	317	319	321	321	319	318	315	315
4	318	317	317	317	316	315	313	311	308	305	301	295	294	295	305	315	318	321	319	317	316	317	316	317
5	317	316	315	316	310	305	307	305	301	301	305	299	297	302	307	312	319	325	326	329	327	325	322	321
6 **	315	311	298	297	306	304	301	295	301	297	295	304	305	316	325	331	329	332	336	335	333	321	318	305
7	301	301	297	305	311	315	311	315	315	311	301	296	298	307	314	321	325	326	327	329	327	325	318	314
8 **	312	305	300	307	308	308	309	315	316	314	311	309	307	313	319	321	325	331	340	332	327	321	314	307
9	310	301	307	312	315	313	315	312	304	301	300	302	306	311	319	328	329	327	331	328	323	321	314	305
10	310	314	315	317	317	319	316	315	311	311	311	310	309	314	318	323	324	327	326	323	322	321	321	321
11	321	321	318	319	321	320	321	318	316	319	316	314	316	321	321	325	327	326	325	324	321	321	321	321
12 *	321	321	321	321	325	325	325	325	323	321	315	312	314	316	321	324	327	325	324	321	321	321	321	321
13 *	318	318	318	321	321	321	322	321	317	309	306	301	303	311	316	321	321	321	321	321	321	319	317	320
14 *	318	320	319	321	325	322	321	317	311	307	301	300	301	309	314	315	315	315	319	319	319	318	317	315
15 **	313	315	317	317	314	310	309	308	303	299	292	291	300	313	327	347	355	365	364	358	326	301	303	295
16 **	304	304	293	281	275	277	290	300	306	307	307	312	329	374	385	397	411	407	391	357	344	312	285	277
17	268	274	281	298	321	327	327	325	326	324	317	312	317	323	325	334	334	335	337	339	341	335	331	329
18	317	314	318	321	322	313	315	315	316	311	307	305	311	319	326	329	331	337	339	339	337	329	322	321
19 **	315	304	307	307	315	307	311	311	315	308	303	302	301	304	311	321	324	327	330	331	333	325	305	307
20	305	307	313	315	321	321	324	321	320	318	310	307	303	305	310	317	325	331	341	345	341	334	327	322
21	320	321	319	320	322	320	321	320	316	311	303	301	300	307	313	322	331	335	335	335	333	325	322	323
22	321	317	319	316	312	311	316	314	315	309	297	292	299	307	317	326	332	338	341	345	339	329	328	326
23	322	317	320	322	325	324	325	323	318	318	317	315	315	319	320	327	331	335	333	331	327	325	323	322
24	324	323	323	323	322	322	321	317	312	311	309	303	301	305	310	316	321	328	331	331	329	327	325	325
25	325	323	323	322	325	324	324	321	315	308	300	291	288	297	308	318	323	326	326	322	321	321	320	316
26	315	315	317	319	322	319	318	314	306	301	294	295	301	311	317	319	321	321	325	321	321	321	318	321
27	320	316	317	317	311	301	299	295	291	295	301	305	310	315	325	335	342	337	336	331	328	327	325	325
28	324	324	324	324	325	325	321	321	320	311	308	302	305	315	324	331	337	339	338	335	327	325	325	325
29	325	325	325	325	326	325	324	321	315	307	302	301	303	307	312	317	325	327	326	325	321	321	321	321
30	320	319	321	322	325	323	319	319	315	311	305	305	308	314	315	315	320	321	323	324	321	321	318	319
31	319	321	317	321	321	319	321	321	315	309	301	296	299	305	311	323	325	327	331	333	331	325	321	321
Mean	315	314	314	315	317	316	316	315	313	309	305	303	305	312	318	325	329	331	333	330	327	322	318	317
Mean *	318	318	318	319	321	321	321	320	316	312	306	302	304	310	315	318	320	320	322	321	320	319	318	318
Mean **	312	308	303	302	304	301	304	306	308	305	302	304	308	324	333	343	349	352	352	343	333	316	305	298
June	43000 γ + Tabular Quantities (in γ)																								
1	321	321	321	320	321	321	317	315	314	315	313	305	307	311	314	319	327	331	332	331	327	323	321	320
2 **	321	319	318	311	307	311	311	302	307	304	305	306	305	311	327	335	341	341	348	361	351	341	325	323
3 **	311	301	301	309	307	315	319	315	325	318	315	314	311	315	320	324	327	338	346	345	337	327	322	317
4 **	317	311	306	302	307	305	307	309	314	315	316	321	319	321	321	323	330	333	336	335	332	329	326	323
5	323	322	321	321	320	320	321	321	322	320	320	313	311	314	316	321	325	327	332	341	332	326	323	321
6	321	319	314	314	313	311	313	316	313	308	305	306	311	313	320	327	330	332	332	335	331	328	325	323
7	323	322	322	321	323	323	323	322	323	325	315	311	311	316	318	321	325	329	334	328	326	324	323	321
8	321	321	319	321	325	321	321	325	324	318	315	305	305	309	314	321	325	326	325	324	323	324	321	321
9	321	321	321	321	321	321	323	321	314	311	307	307	313	317	321	325	323	321	324	325	322	321	321	321
10	321	321	321	321	319	315	313	311	311	312	312	306	307	310	314	320	324	328	326	326	326	324	322	321
11	322	322	322	321	317	317	315	315	308	300	298	298	304	307	314	317	320	321	321	325	324	321	318	315
12	317	319	320	321	324	321	318	315	309	303	298	293	295	303	311	315	321	331	335	338	335	321	317	321
13	321	321	311	305	315	320	321	323	317	311	308	301	302	303	311	317	320	325	332	335	331	326	322	319
14	315	315	315	318	321	320	317	317	315	314	310	305	305	311	317	325	328	331	331	330	325	322	320	318
15	319	318	320	322	321	321	320	319	319	315	311	307	305	303	311	313	319	321	321	322	321	321	321	316
16 *	318	319	321	321	323	321	315	311	307	303	299	295	297	304	307	313	320	323	325	325	324	321	319	319
17	317	317	317	317	321	319	317	317	315	309	303	297	298	305	312	321	325	331	331	329	323	321	321	315
18	315	316	316	319	323	321	317	315	315	317	315	307	307	310	311	315	318	321	325	325	323	323	321	321
19 *	320	319	318	318	321	318	317	318	314	311	307	302	301	301	304	312	315	317	319	321	319	317	317	318
20	315	315	315	318	321	321	318	316	314	305	295	291	292	303	311	317	314	321	329	331	333	327	321	316
21	318	318	319	321	320	318	313	313	308	303	297	297	299	304	310	315	318	325	331	335	331	324	319	317
22	321	321	321	321	321	315	311	315	315	308	305	302	304	311	318	321	325	325	325	328	325	324	321	318
23 *	319	318	318	319	321	321	318	319	320	316	313	308	310	311	317	324	326	326	327	328	326	325	323	322
24	322	321	321	321	316	316	316	317	315	312	307	307	307	311	314	317	321	323	325	331	331	328	325	325
25	322	321	318	321	321	321	318	318	312	309	307	309	310	308	313	317	316	321	321	325	324	322	321	321
26 *	321	321	321	320	321	320	321	321	312	305	304	301	304	312	316	320	324	325	326	326	324	323	322	321
27 *	321	320	320	320	321	320	321	322	324	318	311	301	298	301	312	321	325	328	327	326	325	323	321	316
28	319	321	321	321	321	319	317	315	308	306	300	294	293	298	309	315	319	321	321	321	320	317	317	317
29 **	317	317	319	320	320	317	318	317	303	298	302	303	300	310	311	328	341	362	351	352	341	327	321	321
30 **	319	291	291	299	312	310	312	308	303	305	308	311	317	317	325	333	341	347	349	345	334	326	322	321
Mean	319	318	317	317	319	318	317	316	314	310	307	304	305	309	315	320	324	328	330	332	328	324	321	320
Mean *	320	319	320	320	321	320	318	318	315	311	307	301	302	306	311	318	322	324	325	325	324	322	320	319
Mean **	317	308	307	308	311	312	313	310	310	308	309	311	310	315	321	329	336	344	346	348	339	330	323	321

* 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
July	43000 γ + Tabular Quantities (in γ)																								
1 **	320	319	314	309	311	315	312	317	317	315	315	311	324	321	325	326	327	335	335	333	331	327	321	321
2 **	321	319	309	295	301	307	311	320	321	317	317	311	310	309	321	325	331	340	341	344	337	330	319	311
3	315	317	317	318	321	323	325	325	324	323	321	316	320	324	328	331	334	335	336	339	334	329	327	324
4	317	307	310	312	314	315	316	316	311	304	301	301	307	309	314	320	330	335	338	334	331	325	324	321
5	321	319	318	320	321	321	319	317	311	309	309	309	306	311	315	318	325	330	331	330	331	327	325	321
6	317	298	308	314	319	318	317	321	321	317	313	306	307	310	316	323	327	330	328	327	326	325	323	321
7	318	319	317	304	296	294	295	301	311	311	308	306	303	307	319	323	325	326	323	322	322	321	321	321
8	307	303	310	315	320	317	315	315	312	305	304	303	303	304	313	321	325	331	338	340	335	331	325	321
9	320	319	317	317	321	318	317	313	311	311	311	304	304	304	308	315	319	321	321	326	331	325	320	317
10	319	314	313	316	321	319	316	311	311	308	304	300	301	305	311	317	325	327	329	327	325	323	321	321
11 *	322	322	320	318	322	322	322	318	313	305	292	292	298	307	312	321	325	328	326	322	322	322	322	320
12	320	322	322	322	322	322	319	316	306	302	301	300	296	301	310	320	322	323	329	326	326	321	315	316
13	316	318	318	322	325	319	315	312	312	312	312	308	305	308	317	326	335	338	334	330	326	324	322	322
14	321	320	319	320	325	324	320	316	312	313	308	299	300	305	312	318	318	322	322	325	322	321	318	318
15	318	312	310	313	316	316	315	315	308	302	302	297	299	302	312	318	324	332	335	337	329	324	322	322
16 *	321	322	320	322	324	326	327	322	316	312	312	310	311	313	318	322	327	332	332	329	322	322	322	320
17 *	317	318	318	322	324	324	324	322	322	321	316	309	307	311	313	320	322	324	327	328	323	320	318	318
18 *	319	315	313	313	320	322	320	319	316	312	303	297	291	289	293	307	317	323	320	319	317	317	315	317
19	316	313	308	310	315	316	316	315	313	310	304	303	303	306	309	314	320	326	326	325	323	323	322	322
20	320	320	317	317	318	318	317	315	310	300	293	291	293	306	319	327	327	326	323	320	321	320	319	319
21 *	319	316	316	317	321	320	315	316	317	311	304	304	307	311	314	321	323	323	326	323	323	323	321	317
22	317	317	319	320	323	323	320	320	317	312	309	308	309	313	320	323	326	325	326	325	323	323	323	320
23 **	311	309	307	303	300	299	303	305	306	303	306	304	311	317	340	373	378	373	369	363	353	346	327	331
24	330	328	328	328	330	330	329	326	323	316	313	311	313	314	319	325	327	333	338	333	329	327	326	327
25	327	324	325	328	329	324	325	323	320	317	317	314	318	313	320	326	329	337	339	337	333	333	330	326
26	320	306	309	307	313	315	323	324	323	324	320	315	323	325	329	338	337	336	335	333	333	327	327	327
27 **	316	309	311	310	303	301	303	307	307	306	307	309	323	333	337	345	348	341	347	342	329	327	327	321
28	317	309	304	304	312	310	315	315	317	322	318	317	322	319	319	330	333	339	340	345	336	327	320	315
29 **	315	306	308	302	302	303	305	313	315	317	323	323	326	334	337	346	345	344	345	343	337	323	321	321
30	303	310	313	318	324	320	322	320	318	322	316	311	313	318	323	333	337	338	339	341	336	327	319	317
31	313	310	310	306	312	317	319	320	326	327	326	325	321	321	328	332	332	333	333	333	333	327	323	323
Mean	318	315	314	314	317	317	317	317	315	312	310	307	309	312	318	326	330	332	333	332	329	325	322	321
Mean *	320	319	317	318	322	323	322	319	317	312	305	302	303	306	310	318	323	326	326	324	321	321	320	318
Mean **	317	312	310	304	303	305	307	312	313	312	314	312	319	323	332	343	346	347	347	345	337	331	323	321
August	43000 γ + Tabular Quantities (in γ)																								
1	322	319	316	311	313	317	321	321	319	319	313	310	309	307	318	320	326	333	339	336	333	323	318	323
2	322	320	319	313	313	316	317	317	316	313	305	304	307	313	318	324	323	327	329	333	326	322	323	323
3	315	313	316	320	323	323	324	324	319	313	313	313	311	314	318	323	323	327	333	334	330	326	324	323
4	325	323	316	313	319	322	323	323	317	313	310	313	312	313	322	329	333	331	331	330	331	327	326	326
5	326	323	322	323	327	326	325	327	325	320	313	313	312	312	313	323	323	323	326	328	327	324	323	323
6	320	323	322	323	325	323	322	321	316	313	307	306	308	313	317	326	324	324	323	323	322	322	323	324
7	323	323	314	313	315	315	314	317	318	318	319	319	317	317	322	320	325	327	328	329	327	325	325	323
8	315	316	319	323	326	323	323	323	320	316	310	301	305	313	321	327	327	325	323	323	324	323	323	323
9	321	310	306	309	314	308	307	309	309	306	301	300	304	313	313	320	324	321	321	323	323	325	323	323
10	323	325	325	325	323	321	321	319	317	310	307	306	313	321	333	341	339	343	337	337	333	330	321	317
11	308	306	302	296	293	297	302	301	302	300	300	303	303	309	323	339	349	353	347	343	333	331	328	323
12 **	321	309	293	287	279	276	286	298	303	303	309	318	321	326	335	359	363	363	357	350	347	339	333	327
13	321	318	315	320	327	325	327	329	323	317	314	313	315	316	320	323	329	329	328	333	333	326	317	319
14	319	315	313	317	322	325	332	332	329	329	321	316	315	317	323	327	333	333	336	331	327	326	323	323
15	323	320	321	323	327	327	329	323	317	317	313	306	310	317	319	323	323	330	333	336	328	320	323	323
16	320	315	319	320	323	323	326	325	323	316	316	313	310	313	322	329	331	333	332	330	329	329	327	324
17 *	323	323	323	323	325	325	327	329	326	323	318	310	309	313	316	325	327	327	329	327	324	323	323	323
18	323	323	317	313	320	320	319	320	319	317	313	314	313	313	314	317	322	322	323	324	324	324	324	323
19 *	322	322	322	322	325	323	324	324	320	318	315	313	313	317	320	327	329	327	326	323	323	322	323	320
20 *	320	320	320	321	324	324	324	323	321	316	310	308	310	311	314	321	324	324	324	324	323	324	323	321
21 *	319	320	318	320	324	324	326	324	322	314	310	310	311	314	318	324	327	324	318	318	320	320	320	322
22 *	320	320	320	320	324	324	324	324	320	314	305	309	313	317	320	327	326	325	323	323	323	324	324	324
23 **	323	321	320	317	316	315	315	315	310	309	303	306	314	324	330	351	355	367	373	361	349	333	313	283
24 **	303	300	295	294	295	303	314	318	318	316	318	316	315	331	333	335	348	361	351	345	334	329	323	280
25	295	311	317	318	316	314	318	319	318	318	320	316	324	329	340	343	345	344	344	338	329	323	324	320
26	314	309	318	323	319	315	318	319	319	320	317	315	314	324	331	335	340	344	341	339	334	329	317	316
27 **	314	308	290	291	307	314	316	318	314	315	311	313	324	330	349	373	371	369	364	354	334	332	328	313
28	307	308	305	309	316	311	315	320	318	314	315	314	318	316	325	345	355	344	336	335	335	325	317	308
29	304	309	317	320	315	310	314	321	324	319	315	317	321	328	336	341	343	348	350	341	336	320	321	322
30 **	316	302	291	307	313	315	314	318	324	325	318	316	315	317	335	354	344	340	339	341	334	330	324	315
31	308	314	308	305	308	315	319	319	317	317	315	315	315	328	337	342	345	344	342	340	334	330	326	319
Mean	317	316	314	314	317	317	319	320	318	315	312	311	313	318	324	333	335	337	336	334	330	326	323	319
Mean *	321	321	321	321	324	324	325	325	322	317	312	310	311	314	318	325	327	325	324	323	323	323	323	322
Mean **	315	308	298	299	302	305	309	313	314	314	312	314	318	326	336	354	356	360	357	350	340	333	324	304

* 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	318	319	321	325	328	328	332	330	325	323	316	315	316	323	324	338	344	339	340	338	336	334	329	327
2	326	324	310	318	325	324	326	325	325	325	326	321	320	325	326	345	347	350	350	345	336	333	330	321
3 **	320	325	326	326	329	329	327	325	324	320	308	315	321	327	332	338	339	349	349	340	336	336	320	275
4 **	250	262	267	263	295	305	316	320	325	323	315	315	330	341	353	358	370	369	365	349	339	339	330	330
5	315	292	299	313	325	325	325	325	322	324	322	319	320	321	326	331	333	332	334	338	335	325	325	327
6	329	330	329	329	330	330	330	330	329	329	323	319	318	321	325	331	332	335	335	335	335	333	331	325
7	323	328	329	329	329	325	326	327	325	318	315	318	319	329	331	335	343	345	338	335	332	334	332	328
8	318	316	321	323	327	328	329	328	319	317	315	312	315	323	331	339	339	337	337	335	333	332	332	331
9 *	327	326	326	322	326	324	323	322	314	306	304	304	312	320	327	330	330	327	327	327	327	327	326	324
10	322	324	324	326	326	324	324	318	311	310	310	312	314	320	327	332	334	337	334	334	330	330	327	315
11	318	296	302	317	324	324	324	318	318	317	310	310	310	318	324	328	330	329	328	328	327	327	326	326
12	324	324	324	324	327	324	324	322	317	314	314	311	310	314	324	328	330	329	327	327	327	328	325	324
13	317	320	322	322	322	324	324	321	318	311	308	308	309	314	322	327	328	326	326	328	326	324	324	324
14 *	324	324	325	327	327	324	326	322	316	310	304	300	304	310	318	320	324	322	322	324	324	324	324	324
15	321	324	324	324	323	321	321	318	317	311	302	300	300	304	314	320	324	328	341	347	341	340	337	334
16	334	332	331	330	330	328	326	324	321	314	310	308	308	317	321	327	330	334	344	340	338	334	330	328
17	327	327	324	316	321	323	323	324	320	320	319	318	318	322	330	336	334	334	333	334	330	327	325	324
18	325	324	323	325	325	325	325	327	325	319	315	317	317	318	321	325	325	325	325	331	339	338	320	304
19 **	293	275	271	260	275	301	305	305	313	315	321	332	337	348	363	394	412	411	371	362	345	320	311	312
20 **	312	310	305	305	312	315	319	322	329	334	332	331	331	336	349	359	365	362	355	345	336	325	325	321
21	308	316	320	320	321	321	327	328	334	332	330	331	331	335	333	340	345	347	343	340	336	333	331	331
22	331	330	303	299	305	303	305	309	319	322	320	322	321	323	325	335	336	335	335	335	335	328	325	328
23 **	315	318	325	329	329	318	313	319	325	318	315	319	329	343	362	361	363	351	349	346	335	329	321	317
24	315	318	325	328	333	332	332	331	329	324	319	325	340	355	360	355	350	348	349	345	339	332	333	333
25	333	331	328	329	332	334	334	332	331	330	326	322	322	328	334	340	338	336	337	338	335	335	332	332
26	332	331	333	332	333	333	334	331	328	326	324	320	323	328	332	336	338	337	335	337	334	330	324	325
27	323	320	316	305	305	310	316	322	324	324	320	322	327	329	337	344	343	342	341	340	336	334	330	331
28 *	330	324	324	326	328	327	325	324	324	320	318	315	317	320	324	330	334	334	334	335	334	331	330	332
29 *	330	330	330	328	329	328	328	329	328	325	322	316	313	316	320	324	326	327	328	329	330	330	328	328
30 *	327	327	326	326	328	324	324	327	324	321	314	309	308	314	316	323	328	332	337	342	337	332	331	330
Mean	320	318	318	318	322	323	324	323	323	320	317	316	319	325	331	338	340	340	339	338	334	331	327	324
Mean *	328	326	326	326	328	325	325	325	321	316	312	309	311	316	321	325	328	328	330	331	330	329	328	328
Mean **	298	298	299	297	308	314	316	318	323	322	318	322	330	339	352	362	370	368	358	348	338	330	321	311
October	43000 γ + Tabular Quantities (in γ)																								
1	326	328	324	320	310	314	320	324	324	322	318	317	321	324	328	334	336	338	340	334	330	331	331	331
2	327	328	328	328	328	325	326	329	330	330	324	318	314	314	318	324	330	331	334	334	330	329	328	328
3	327	326	326	326	324	324	323	324	323	322	322	318	320	321	323	326	330	327	326	328	327	326	326	327
4	328	326	326	326	324	326	326	325	324	320	317	314	317	316	316	320	324	324	324	326	327	326	324	321
5 *	323	323	323	323	323	323	320	319	317	317	315	313	311	312	315	319	323	323	323	323	324	323	323	323
6 *	323	321	320	321	322	323	322	322	322	317	313	311	311	310	313	317	322	323	322	323	323	323	323	323
7	323	321	320	320	321	321	316	317	315	313	308	311	312	314	316	319	327	326	326	326	326	325	326	329
8	329	324	325	323	323	323	318	318	316	313	313	309	309	313	317	323	326	326	326	326	327	327	317	322
9	321	323	323	323	323	321	317	313	314	313	314	313	313	316	322	324	327	326	324	324	326	324	324	323
10	324	323	317	319	322	323	323	324	324	320	315	311	307	312	318	326	329	329	332	333	334	332	329	325
11	324	324	324	324	324	323	323	323	318	313	307	305	307	313	319	332	333	331	333	330	329	328	327	323
12 *	326	328	327	326	325	326	324	324	324	323	319	315	318	320	324	327	329	328	327	329	334	334	330	328
13 *	328	325	327	324	326	327	326	327	327	324	316	311	316	322	324	331	334	330	330	330	330	328	327	326
14 *	326	325	324	324	324	326	324	326	324	318	317	314	314	315	321	327	330	330	329	328	328	326	324	324
15 **	323	323	323	322	322	324	324	325	324	316	312	311	310	313	325	367	392	414	414	379	364	350	321	307
16 **	302	294	311	318	328	328	328	334	332	328	324	325	331	334	343	348	364	360	348	347	328	329	324	300
17	293	304	314	323	326	329	329	334	334	337	340	333	334	334	342	355	361	353	354	359	356	342	333	328
18 **	326	327	323	310	309	319	324	328	323	324	330	337	350	362	366	393	388	374	374	354	344	334	328	307
19 **	307	298	290	278	290	304	310	323	334	340	344	344	348	368	360	364	364	359	350	344	344	338	337	332
20 **	330	318	308	304	308	318	322	328	330	332	331	334	338	351	358	364	358	353	344	344	330	326	320	322
21	326	326	328	330	331	334	334	334	333	334	340	346	344	346	354	350	344	338	336	335	336	337	338	338
22	334	334	334	334	320	322	321	324	328	330	330	337	340	342	344	346	350	344	340	336	337	334	329	327
23	328	328	327	327	328	328	327	328	328	324	323	325	335	340	344	348	344	342	340	337	335	334	334	334
24	334	334	334	334	334	334	331	334	330	324	316	318	325	332	343	340	339	338	336	336	334	332	332	334
25	334	332	332	330	328	329	327	329	329	328	329	329	331	335	338	339	339	337	335	335	335	335	330	329
26	331	331	332	332	332	332	330	329	329	326	325	323	325	327	331	335	335	335	335	335	335	335	332	331
27	332	319	319	325	326	330	328	331	330	330	325	328	333	334	338	345	345	346	351	343	342	342	338	331
28	327	318	321	324	325	329	329	332	334	329	325	328	328	329	332	335	336	338	338	335	338	335	332	330
29	327	324	325	325	328	328	328	329	328	324	319	317	315	321	325	329	331	331	330	335	341	335	325	321
30	327	328	329	329	329	331	330	329	327	325	325	325	327	329	331	331	334	333	331	333	335	334	332	331
31	329	323	325	325	329	329	326	327	330	326	326	327	331	331	335	335	333	331	330	331	331	331	331	329
Mean	325	323	323	322	323	325	324	326	326	324	322	322	324	327	332	338	341	339	338	336	334	332	328	325
Mean *	325	324	324	324	324	325	323	324	323	320	316	313	314	316	319	324	328	327	326	327	328	327	325	325
Mean **	318	312	311	306	311	319	322	328	329	328	328	330	335	346	350	367	373	372	366	354	342	335	326	314

* 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	329	329	328	329	329	329	328	328	329	325	325	325	328	329	331	331	331	332	336	338	337	335	333	331
2 *	331	332	330	329	329	328	325	328	328	323	319	322	325	329	332	332	331	333	332	331	331	331	332	329
3	330	329	327	327	327	327	327	328	326	322	319	321	327	333	335	331	331	332	335	332	331	331	330	329
4	327	326	326	324	326	327	326	327	325	324	316	317	319	321	326	327	328	328	327	328	328	327	329	330
5	329	324	324	324	325	324	319	319	322	322	324	328	334	344	348	353	358	360	354	348	341	338	338	338
6	334	332	329	328	331	330	326	326	326	324	324	324	328	329	334	334	333	331	331	333	332	330	329	331
7	332	326	330	329	329	329	328	330	330	325	324	326	328	334	335	334	334	334	332	333	334	334	333	331
8	330	330	330	330	330	329	328	328	324	320	319	323	327	329	330	331	332	334	334	330	329	326	326	324
9 *	322	325	327	327	325	325	323	323	323	323	319	319	323	323	327	328	329	326	326	326	327	327	326	325
10 *	323	325	325	325	325	327	324	323	323	320	317	317	317	321	323	324	327	325	326	327	325	323	323	323
11	323	323	323	323	323	323	323	321	319	315	312	315	319	321	323	324	326	324	329	333	336	334	330	327
12	323	313	317	321	323	326	326	324	323	319	316	318	321	327	327	333	336	333	334	343	346	343	328	323
13 **	325	323	313	306	309	312	313	318	323	324	325	329	333	344	343	342	342	344	342	344	337	327	317	323
14 **	324	323	324	317	307	314	319	325	326	325	325	325	330	347	342	340	336	342	344	343	339	332	325	325
15 **	328	332	330	333	331	326	324	324	328	330	334	336	344	354	361	361	360	348	348	348	342	337	336	334
16 **	332	330	324	307	314	318	323	324	324	329	334	334	336	338	338	336	342	344	354	344	341	340	331	324
17	327	326	321	321	324	328	328	330	327	324	323	324	328	328	334	334	338	342	348	342	338	331	320	324
18	328	326	320	320	321	324	326	329	329	329	330	334	337	334	338	339	339	336	334	334	336	335	334	330
19 **	324	316	320	318	316	314	314	318	322	324	323	329	330	344	351	345	345	344	340	339	338	332	330	331
20	328	329	328	319	319	323	325	325	326	327	328	328	330	334	338	342	344	338	337	334	336	320	324	327
21	326	324	328	330	332	332	330	330	329	328	330	333	335	340	339	338	336	335	334	334	336	334	334	334
22	333	333	333	334	333	332	330	331	330	328	326	328	331	335	337	334	334	334	334	334	334	334	332	334
23	331	334	334	334	334	334	330	328	326	324	324	324	330	334	334	336	337	334	331	334	346	326	334	334
24	320	314	324	326	327	326	324	321	324	321	321	322	324	326	330	334	337	337	337	336	335	334	330	332
25	330	329	332	332	332	327	325	326	325	325	325	324	329	334	334	336	338	335	334	334	337	336	331	328
26	322	328	330	330	331	332	330	328	328	328	324	324	324	328	331	333	334	334	333	334	334	334	332	331
27	332	330	330	328	328	330	328	328	329	330	330	328	329	332	332	333	334	335	336	334	335	334	332	330
28 *	326	326	328	327	328	330	326	325	325	324	324	322	325	328	330	330	331	330	330	329	329	329	331	333
29	330	329	328	327	327	327	328	325	328	325	324	321	324	328	330	330	331	330	330	329	329	328	328	327
30 *	327	328	328	328	327	328	326	324	322	323	324	326	325	328	330	328	327	326	327	328	328	330	330	328
Mean	328	326	326	325	325	326	325	325	326	324	324	325	328	333	335	335	336	335	336	335	335	332	330	329
Mean *	326	327	328	327	327	328	325	325	324	323	321	321	323	326	328	328	329	328	328	328	328	328	328	328
Mean **	327	325	322	316	315	317	319	322	325	326	328	331	335	345	347	345	345	344	346	344	339	334	328	327
December	43000 γ + Tabular Quantities (in γ)																								
1 *	327	326	326	325	324	324	324	322	322	324	324	324	322	324	325	326	328	327	327	328	328	327	328	325
2 *	325	324	324	324	324	324	324	324	324	324	324	322	323	324	327	324	328	327	326	327	330	328	326	324
3	325	325	325	322	324	324	324	322	322	322	321	321	322	324	325	327	329	329	331	334	334	332	330	328
4	324	320	322	324	324	325	324	324	324	324	324	324	324	324	327	325	327	328	329	330	330	328	326	328
5	325	324	321	320	324	326	325	324	322	320	322	321	323	325	328	329	331	330	328	328	326	327	326	329
6	327	326	326	325	325	324	324	321	322	319	316	317	321	325	328	329	331	329	329	326	327	330	330	329
7	327	328	325	323	323	324	321	321	322	322	318	317	319	323	324	326	329	327	326	327	327	327	325	323
8	323	324	325	325	325	325	322	321	321	323	323	323	322	324	326	327	329	327	327	329	329	329	329	327
9	326	326	326	325	325	325	323	323	323	323	322	323	323	326	328	329	331	329	332	332	331	329	325	323
10	323	325	325	325	326	325	324	324	323	318	318	321	321	321	325	329	330	328	326	324	324	324	324	323
11 **	324	324	324	324	324	325	324	322	321	319	318	321	321	330	342	338	342	344	353	354	348	338	333	327
12 **	326	320	325	325	325	324	324	324	329	327	325	327	328	331	335	343	344	342	343	343	344	339	335	326
13 **	319	324	327	329	328	329	327	328	328	327	328	330	329	331	331	332	333	332	333	338	334	332	333	332
14	330	330	330	330	328	328	326	328	328	328	328	329	327	328	330	331	334	334	334	334	334	333	331	329
15	329	328	328	327	328	327	326	328	328	330	329	329	326	326	328	329	330	328	328	331	335	334	330	330
16	329	324	323	324	324	326	324	325	325	326	328	329	328	327	329	328	330	330	329	328	329	329	328	324
17	324	324	324	324	324	323	321	322	322	324	324	324	321	324	326	325	325	327	325	324	324	327	328	326
18	326	324	324	324	324	324	324	324	324	324	320	324	318	322	324	324	328	330	329	328	328	328	328	326
19	325	324	324	324	324	324	323	323	320	319	321	319	314	319	323	324	324	325	327	331	333	332	333	333
20	333	329	328	325	324	324	324	323	324	322	324	322	322	326	328	327	328	326	330	331	331	329	326	327
21	328	326	330	330	330	328	324	324	324	322	322	318	318	320	324	324	326	326	326	326	325	325	327	324
22 **	325	324	324	324	324	326	323	320	320	318	318	320	323	325	327	327	330	331	331	334	334	331	329	328
23 *	329	328	329	328	328	330	326	326	326	328	328	328	328	327	328	328	330	328	329	334	331	330	328	328
24	330	330	330	330	329	331	328	327	328	328	330	329	328	328	328	328	327	328	329	329	329	329	328	327
25	326	324	324	325	325	325	324	325	324	323	324	321	323	326	325	325	328	329	328	328	328	329	329	329
26	325	324	325	325	325	325	324	325	325	327	326	324	325	327	325	325	326	325	326	326	326	328	329	329
27	326	326	327	326	325	324	323	324	325	325	326	325	324	326	324	324	328	326	328	329	332	328	320	322
28	326	326	326	325	327	326	326	325	325	326	327	328	327	324	326	324	326	327	328	331	332	330	329	328
29 **	324	321	323	324	324	324	324	324	324	324	320	324	325	325	326	324	323	324	328	326	327	327	328	326
30 *	326	322	324	324	324	324	324	324	324	324	322	318	321	324	326	324	327	326	327	328	327	326	325	325
31 *	326	324	324	324	324	326	324	324	324	324	324	324	324	326	326	324	327	325	325	325	326	327	326	327
Mean	326	325	325	325	325	325	324	324	324	324	323	323	323	325	327	327	329	329	330	330	330	329	328	327
Mean *	327	325	325	325	325	326	324	324	324	325	324	323	324	325	326	325	328	327	327	328	328	328	327	326
Mean **	324	323	325	325	325	326	324	324	324	323	322	324	325	328	332	333	334	335	338	339	337	333	332	328

* 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°+ ′	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	60.6	11 22	66.1	51.6	19 26	14.5	680	23 14	705	654	18 0	51	323	18 36	341	311	3 56	30
2	60.4	12 18	65.9	46.1	18 12	19.8	676	6 8	696	628	15 5	68	325	18 22	352	315	10 51	37
3	60.9	12 39	65.3	56.2	0 10	9.1	682	18 49	697	655	15 4	42	325	18 33	335	314	11 53	21
4 *	61.5	17 59	65.3	58.8	1 13	6.5	688	16 43	702	674	0 6	28	320	0 36	329	312	14 0	17
5 **	61.9	8 51	74.6	50.5	23 27	24.1	655	6 38	711	539	17 58	172	334	18 21	384	306	7 42	78
6	60.8	16 29	67.4	56.4	15 38	11.0	659	9 40	684	582	15 21	102	337	15 51	360	320	10 2	40
7	61.6	16 12	64.4	58.0	22 19	8.4	674	19 7	688	641	17 2	47	331	18 26	349	318	11 5	31
8	60.4	10 45	64.3	57.0	3 37	7.3	686	6 3	702	667	2 23	35	324	20 16	336	315	3 28	21
9	60.9	12 0	64.3	54.4	20 56	9.9	690	0 40	717	672	0 1	45	322	0 34	333	315	11 4	18
10 *	61.1	12 5	65.3	56.8	22 31	8.5	693	21 51	716	675	10 35	41	321	14 37	330	312	11 4	18
11	60.4	12 47	65.2	49.7	0 55	15.5	689	7 44	705	665	0 37	40	319	1 11	330	310	10 3	20
12	60.5	11 21	64.3	57.1	3 24	7.2	693	12 49	706	674	14 37	32	318	17 24	326	307	11 4	19
13	61.4	12 35	68.9	58.9	5 7	10.0	690	12 34	713	637	21 4	76	321	21 33	343	310	8 34	33
14	60.3	12 0	65.3	56.2	3 19	9.1	688	14 25	700	675	1 9	25	322	16 46	332	313	7 50	19
15 *	60.9	12 21	65.5	55.9	22 11	9.6	695	13 7	705	685	11 18	20	320	17 19	328	312	8 21	16
16 *	61.2	16 7	65.2	59.0	0 20	6.2	698	11 52	715	680	16 21	35	319	18 42	330	308	11 0	22
17 *	61.1	13 31	64.3	56.5	22 33	7.8	700	22 42	745	687	0 13	58	314	17 34	325	303	13 11	22
18	61.4	13 43	68.2	52.5	19 52	15.7	688	8 31	714	648	19 47	66	319	20 16	339	307	9 59	32
19 **	61.8	14 22	68.3	52.6	20 21	15.7	682	6 14	745	644	20 31	101	317	20 44	345	290	6 24	55
20	61.1	9 37	65.3	56.0	19 58	9.3	682	0 18	752	654	9 51	98	320	20 16	333	297	0 45	36
21	60.7	11 31	63.9	54.6	22 43	9.3	692	7 58	714	675	12 13	39	318	18 46	330	311	12 13	19
22	60.8	3 11	63.4	57.1	21 47	6.3	693	21 12	704	674	12 15	30	317	19 26	325	313	11 59	12
23	60.5	0 40	63.5	55.2	1 46	8.3	694	0 41	728	677	0 15	51	314	0 39	323	304	1 32	19
24	61.8	16 20	70.1	56.2	20 43	13.9	684	8 22	714	640	19 42	74	319	19 52	347	307	9 31	40
25	60.9	12 17	71.8	46.9	23 50	24.9	678	24 0	716	606	11 33	110	322	20 8	342	308	10 51	34
26 **	58.4	14 7	70.8	38.8	19 36	32.0	680	0 9	748	624	15 55	124	320	16 44	352	294	3 28	58
27 **	60.5	14 39	69.1	37.9	18 39	31.2	665	18 28	708	592	12 8	116	328	15 42	364	308	2 25	56
28 **	60.1	22 16	72.0	48.8	20 7	23.2	677	22 6	716	615	16 20	101	324	16 34	356	301	22 45	55
29	59.7	12 6	67.3	46.4	18 50	20.9	680	18 55	744	647	15 29	97	321	18 52	346	305	1 33	41
30	60.2	16 24	65.2	51.4	16 54	13.8	683	17 57	702	644	16 38	58	320	17 6	345	308	11 0	37
31	60.2	12 0	66.4	56.2	5 30	10.2	684	4 34	703	655	11 16	48	317	14 20	330	307	1 11	23
Mean	60.8	-	66.7	53.2	-	13.5	684	-	713	648	-	65.5	322	-	340	308	-	31.6
Mean *	61.2	-	65.1	57.4	-	7.7	695	-	717	680	-	36.4	319	-	328	309	-	19.0
Mean **	60.5	-	71.0	45.7	-	25.2	672	-	726	603	-	122.8	325	-	360	300	-	60.4
February	8°+ ′	U.T. h m	′	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 *	60.1	12 3	63.9	56.2	21 38	7.7	688	10 24	700	678	0 1	22	316	18 35	325	308	9 58	17
2	60.6	13 10	65.8	57.7	22 30	8.1	689	7 8	703	660	16 21	43	316	17 25	329	304	12 4	25
3	60.2	12 18	63.3	57.0	3 21	6.3	694	2 2	708	677	17 1	31	314	17 26	326	306	11 0	20
4	61.0	13 37	66.8	58.6	4 7	8.2	693	7 58	707	670	18 29	37	313	19 14	328	299	11 48	29
5 *	60.8	13 31	64.5	58.4	19 6	6.1	693	20 42	703	678	12 23	25	313	16 48	325	302	11 57	23
6 *	60.5	13 50	63.7	58.7	23 23	5.0	695	7 28	709	683	13 19	26	313	19 40	323	304	11 51	19
7 *	60.7	13 30	65.0	58.6	8 27	6.4	697	6 40	709	683	11 28	26	312	23 54	330	301	13 55	29
8	60.7	13 58	65.1	55.8	23 39	9.3	697	14 53	709	681	23 44	28	309	20 37	318	298	11 46	20
9	60.1	13 31	67.8	44.1	21 39	23.7	694	7 26	719	655	21 30	64	312	21 43	336	299	11 59	37
10	61.3	21 39	68.1	56.0	0 52	12.1	690	21 33	740	652	20 55	88	316	21 30	349	299	11 5	50
11	59.9	11 54	64.3	54.0	2 16	10.3	690	1 10	717	674	12 30	43	314	0 55	324	306	2 7	18
12	60.1	13 40	65.1	57.0	17 55	8.1	689	7 59	701	673	14 40	28	316	18 27	332	302	10 58	30
13 *	60.4	17 43	54.3	55.0	21 37	9.3	698	22 5	707	687	20 58	20	314	19 46	322	305	11 5	17
14	59.9	14 8	64.1	50.4	19 37	13.7	695	1 0	718	650	19 22	68	312	19 52	330	295	11 34	35
15	60.2	13 32	66.6	52.1	23 27	14.5	699	8 15	714	659	23 54	55	308	24 0	331	293	11 47	38
16	60.1	14 32	66.1	46.7	17 2	19.4	685	0 10	728	639	16 30	89	317	17 18	347	301	0 30	46
17	60.6	10 7	64.2	57.7	2 16	6.5	695	6 23	717	678	9 55	39	315	18 26	326	303	11 23	23
18	60.3	13 20	64.2	53.6	23 14	10.6	696	8 45	708	684	23 57	24	313	18 17	325	300	12 1	25
19	60.0	12 32	64.4	55.1	19 9	9.3	694	23 35	716	665	15 34	51	314	19 25	328	304	12 10	24
20	60.3	12 55	64.7	58.1	17 44	6.6	697	0 7	713	683	19 18	30	312	20 36	326	301	1 4	25
21	59.6	1 5	64.3	54.0	23 42	10.3	695	1 11	741	676	16 24	65	311	19 37	325	292	2 13	33
22 **	59.6	15 41	70.4	42.3	22 36	28.1	689	15 32	726	628	22 30	98	313	20 0	342	296	24 0	46
23 **	57.3	23 58	67.0	36.8	17 41	30.2	676	23 53	741	629	15 6	112	314	17 58	351	285	0 41	66
24 **	58.0	8 36	67.3	44.9	16 17	22.4	683	20 49	750	616	8 18	134	308	16 26	351	277	6 14	74
25 **	58.9	12 41	66.3	46.8	18 10	19.5	672	23 20	726	612	8 10	114	314	18 23	342	276	1 21	66
26 **	58.5	12 36	69.6	40.9	18 11	28.7	672	20 23	723	618	17 9	105	319	18 15	365	292	0 18	73
27	59.6	15 10	65.4	47.7	22 14	17.7	677	22 18	754	629	9 15	125	319	16 4	339	298	23 27	41
28	58.8	4 17	65.1	48.9	19 38	16.2	682	5 3	712	633	4 12	79	318	17 43	339	298	4 55	41
Mean	59.9	-	65.6	52.3	-	13.4	690	-	719	659	-	59.6	314	-	333	298	-	35.4
Mean *	60.5	-	64.3	57.4	-	6.9	694	-	706	682	-	23.8	314	-	325	304	-	21.0
Mean **	58.5	-	68.1	42.3	-	25.8	678	-	733	621	-	112.6	314	-	350	285	-	65.0

* 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
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	59.6	13 9	66.1	53.1	20 41	13.0	685	21 4	709	651	9 18	58	318	21 5	330	303	11 3	27
2 **	57.3	13 25	67.3	29.2	18 59	38.1	656	23 28	725	569	18 31	156	335	16 24	452	292	4 48	160
3	60.1	3 17	68.9	50.1	20 30	18.8	685	22 0	731	642	11 13	89	316	19 58	334	301	5 42	33
4	59.8	13 53	65.5	54.9	1 3	10.6	688	1 51	722	669	1 18	53	318	18 26	338	303	12 1	35
5	59.9	12 55	65.2	50.0	20 54	15.2	691	20 58	723	670	17 3	53	317	16 30	330	303	11 59	27
6	60.1	13 20	65.1	53.6	23 51	11.5	690	21 12	708	659	23 50	49	318	16 25	330	309	12 31	21
7	59.1	13 48	65.7	45.8	0 58	19.9	677	19 2	695	654	0 29	41	322	18 56	339	310	12 25	29
8	58.1	16 4	68.3	35.9	23 48	32.4	682	22 51	713	626	22 0	87	323	16 35	349	299	24 0	50
9 **	59.0	15 0	68.0	46.1	0 49	21.9	669	20 29	763	620	11 46	143	320	20 26	347	251	0 29	96
10	59.0	13 33	65.4	48.2	0 19	17.2	671	22 33	695	636	0 9	59	322	17 26	347	294	2 0	53
11 *	59.7	12 53	64.6	55.1	1 12	9.5	686	18 42	700	665	2 9	35	323	16 44	331	315	11 40	16
12 *	60.3	13 4	66.5	56.3	7 49	10.2	693	1 1	709	681	11 20	28	318	0 53	329	307	12 20	22
13 *	59.9	13 40	65.4	55.3	21 55	10.1	696	23 59	717	675	9 40	42	317	16 27	328	303	11 57	25
14	59.4	14 25	65.9	50.8	22 40	15.1	698	0 32	730	673	20 40	57	312	21 10	330	292	11 58	38
15	60.5	12 8	67.5	56.1	8 46	11.4	691	6 41	709	647	12 30	62	314	18 10	329	295	11 30	34
16	59.1	13 21	64.4	48.8	21 16	15.6	694	21 25	726	671	12 51	55	315	17 28	329	304	11 55	25
17 *	60.0	14 0	65.9	54.8	8 51	11.1	693	6 42	708	669	10 21	39	314	16 25	329	295	11 55	34
18 *	60.9	13 5	66.5	57.0	8 41	9.5	701	20 58	718	679	11 1	39	314	16 27	329	299	10 55	30
19	59.5	13 13	69.1	50.5	22 32	18.6	695	1 0	730	660	23 10	70	316	16 19	343	296	2 16	47
20	58.6	13 23	64.4	49.5	21 19	14.9	685	0 41	712	660	21 27	52	317	21 35	340	295	1 5	45
21	58.5	13 56	65.3	41.2	19 34	24.1	690	19 44	772	639	19 26	133	314	19 38	358	290	3 41	68
22	59.4	2 2	65.6	46.7	21 43	18.9	686	21 12	735	656	1 38	79	313	21 8	335	289	2 28	46
23 **	58.3	12 18	69.2	40.7	19 43	28.5	684	18 50	723	644	19 42	79	318	16 18	369	290	3 43	79
24 **	57.8	14 9	71.0	30.7	19 1	40.3	675	18 26	790	609	10 13	181	316	18 22	373	282	22 21	91
25 **	59.9	14 18	69.9	43.3	18 9	26.6	673	21 52	753	637	12 31	116	318	18 13	367	294	3 39	73
26	58.7	12 40	66.1	49.7	21 15	16.4	687	20 42	761	652	11 46	109	319	17 19	347	301	11 22	46
27	59.1	12 44	66.2	50.9	20 38	15.3	685	21 30	727	638	11 22	89	316	16 20	339	295	10 31	44
28	59.5	12 50	69.9	47.9	19 49	22.0	686	19 56	743	653	16 48	90	316	17 43	343	296	3 51	47
29	59.1	15 33	65.6	53.2	20 20	12.4	692	22 32	740	675	8 58	65	315	19 52	330	302	11 2	28
30	58.9	14 52	67.2	50.3	20 10	16.9	694	18 32	727	663	4 40	64	317	18 40	340	295	11 59	45
31	58.9	14 25	69.0	50.5	21 11	18.5	692	7 8	708	664	21 50	44	319	20 19	334	302	10 59	32
Mean	59.3	-	66.8	48.6	-	18.2	686	-	727	652	-	74.7	318	-	343	297	-	46.6
Mean *	60.2	-	65.8	55.7	-	10.1	694	-	710	674	-	36.6	317	-	329	304	-	25.4
Mean **	58.5	-	69.1	38.0	-	31.1	671	-	751	616	-	135.0	321	-	382	282	-	99.8
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	59.5	12 21	67.4	52.7	8 10	14.7	691	0 42	713	658	9 50	55	316	18 14	337	292	11 55	45
2	58.2	13 43	66.2	51.4	23 58	14.8	689	0 52	738	653	10 20	85	316	18 30	339	296	1 35	43
3	58.5	13 20	66.8	50.5	19 16	16.3	693	19 25	743	673	9 22	70	315	19 27	335	295	12 2	40
4 **	58.2	13 32	69.9	46.0	3 19	23.9	683	22 39	729	646	0 54	83	316	19 36	356	287	0 48	69
5 *	59.4	13 8	66.5	53.9	21 30	12.6	692	14 24	704	676	10 20	28	319	18 50	335	299	9 40	36
6 *	58.8	13 46	66.9	52.5	2 34	14.4	690	23 6	714	668	10 19	46	318	18 47	339	295	11 3	44
7 *	59.1	13 16	65.5	54.6	8 30	10.9	692	18 39	713	665	11 17	48	320	17 26	337	304	12 0	33
8	58.2	13 59	65.9	52.2	22 16	13.7	695	21 53	734	664	11 42	70	314	17 20	328	299	11 1	29
9	59.4	13 0	66.4	53.5	3 4	12.9	704	20 41	735	680	10 36	55	311	18 15	325	292	11 57	33
10	59.1	13 31	66.3	49.9	22 6	16.4	701	4 28	727	656	11 25	71	312	19 40	329	290	11 9	39
11	59.8	6 6	65.2	53.7	17 30	11.5	692	21 0	717	631	17 15	86	318	17 50	348	301	7 1	47
12	59.4	12 47	68.0	54.4	20 37	13.6	696	22 5	727	648	11 38	79	314	16 48	329	295	11 59	34
13	58.6	13 31	67.5	52.1	19 31	15.4	696	1 34	744	635	13 49	109	315	17 25	339	295	11 51	44
14 *	58.9	13 42	64.9	54.2	8 40	10.7	698	22 11	712	665	12 11	47	312	16 27	324	291	11 56	33
15	59.8	13 23	67.3	52.2	8 37	15.1	702	20 25	726	660	12 54	66	310	18 26	325	292	11 50	33
16 **	60.4	4 31	71.0	40.6	21 8	30.4	692	21 15	807	605	16 29	202	314	16 47	369	279	5 12	90
17	58.6	13 18	66.3	53.1	6 50	13.2	690	17 45	712	644	12 14	68	313	17 26	333	292	12 1	41
18	59.1	13 15	64.3	55.7	1 40	8.6	694	17 39	723	661	10 20	62	315	19 36	330	299	12 0	31
19	59.0	14 25	67.5	45.5	23 27	22.0	690	22 41	730	630	12 51	100	315	15 48	343	290	6 21	53
20 **	58.8	13 32	67.2	48.0	22 42	19.2	686	22 14	757	633	14 17	124	309	17 45	339	289	11 59	50
21 **	58.6	14 7	65.3	48.4	18 5	16.9	689	18 16	749	643	8 3	106	313	18 8	357	289	1 3	68
22	58.6	13 14	67.8	52.3	23 34	15.5	689	19 18	735	652	13 31	83	318	17 5	348	302	11 40	46
23 **	58.3	13 32	64.4	49.1	18 55	15.3	688	19 5	745	647	12 9	98	313	19 2	344	282	5 19	62
24	59.1	12 12	63.5	55.4	8 55	8.1	702	18 6	751	670	12 44	81	312	18 5	326	293	12 45	33
25	59.2	15 5	66.3	53.3	8 11	13.0	706	23 20	743	680	11 28	63	312	21 19	330	295	11 0	35
26	58.5	14 18	65.5	51.4	23 5	14.1	702	22 30	743	665	13 14	78	311	17 35	329	292	12 20	37
27	58.1	13 39	64.4	53.3	0 0	11.1	695	23 51	725	670	11 8	55	312	18 10	329	295	11 4	34
28 *	58.7	12 32	63.6	54.0	3 46	9.6	700	17 10	718	668	11 56	50	311	17 46	322	299	11 56	23
29	58.8	13 57	69.0	53.5	8 55	15.5	704	14 34	728	673	11 20	55	312	18 10	325	291	11 21	34
30	58.8	14 45	69.1	52.1	20 14	17.0	700	17 2	729	669	12 20	60	316	17 2	346	304	4 20	42
Mean	58.9	-	66.5	51.7	-	14.9	695	-	732	656	-	76.1	314	-	337	294	-	42.7
Mean *	59.0	-	65.5	53.8	-	11.6	694	-	712	668	-	43.8	316	-	331	298	-	33.8
Mean **	58.9	-	67.6	46.4	-	21.1	688	-	757	635	-	122.6	313	-	353	285	-	67.8

* 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
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	58.6	14 32	65.5	53.4	8 56	12.1	694	18 5	712	665	10 40	47	318	18 35	333	305	13 6	28
2 *	58.3	13 45	64.7	53.0	7 50	11.7	696	17 5	712	657	11 40	55	315	19 20	329	295	11 50	34
3 *	58.6	13 31	65.4	52.8	8 16	12.6	700	16 18	717	677	9 50	40	314	17 48	325	294	11 45	31
4	58.8	13 44	65.4	55.2	5 20	10.2	707	5 51	719	686	9 30	33	312	17 42	328	290	12 40	38
5	58.2	12 56	67.5	52.7	6 17	14.8	704	21 21	736	672	11 49	64	313	19 38	334	293	12 3	41
6 **	56.2	15 54	67.1	42.3	1 58	24.8	698	6 44	761	620	11 26	141	313	19 36	343	290	7 30	53
7	58.6	14 40	63.7	50.7	1 20	13.0	690	22 10	726	633	12 21	93	313	19 15	334	290	12 20	44
8 **	58.4	1 30	65.4	48.8	18 28	16.6	697	18 43	747	644	6 40	103	315	18 42	350	294	2 2	56
9	58.1	1 11	65.2	51.5	0 8	13.7	695	18 32	734	665	5 55	69	314	18 25	338	295	9 31	43
10	58.4	13 20	66.4	52.0	7 9	14.4	694	20 20	725	658	14 8	67	317	17 41	334	304	11 46	30
11	58.2	11 55	63.8	53.0	7 43	10.8	702	17 2	720	675	9 7	45	321	17 6	333	308	11 8	25
12 *	58.0	13 20	65.5	50.7	7 37	14.8	698	19 30	720	676	9 55	44	321	16 43	334	309	12 22	25
13 *	58.4	12 38	64.5	52.2	8 42	12.3	702	19 44	716	681	9 42	35	317	6 27	329	298	11 40	31
14 *	58.4	13 54	64.3	51.9	7 36	12.4	705	16 57	726	679	9 58	47	315	4 28	328	295	10 58	33
15 **	59.2	14 22	75.5	38.0	22 55	37.5	705	20 14	769	619	20 35	150	318	17 13	372	280	21 10	92
16 **	56.7	14 25	70.9	31.5	23 44	39.4	663	19 9	766	582	11 14	184	326	16 44	426	268	4 54	158
17	55.2	14 10	64.2	32.9	0 32	31.3	676	18 3	721	615	0 57	106	320	20 12	346	260	0 45	86
18	58.2	13 25	64.8	51.7	1 20	13.1	684	0 6	725	642	10 20	83	321	18 7	343	299	11 21	44
19 **	57.1	14 24	65.5	49.2	22 50	16.3	690	21 7	740	629	10 22	111	314	20 38	342	298	10 13	44
20	57.5	14 19	65.6	50.1	0 30	15.5	688	19 31	719	659	8 20	60	320	19 33	351	299	12 30	52
21	57.8	14 54	64.0	50.8	20 29	13.2	691	20 38	733	659	12 48	74	320	17 12	342	295	11 50	47
22	57.6	13 13	65.5	44.5	19 45	21.0	697	19 11	736	659	13 30	77	319	19 10	352	288	11 3	64
23	57.7	13 33	61.8	52.5	7 13	9.3	696	20 19	729	665	9 20	64	323	17 32	338	309	11 55	29
24	58.3	12 20	66.7	52.1	6 50	14.6	703	17 57	725	686	14 32	39	319	19 36	336	298	12 32	38
25	58.4	14 42	65.3	50.7	6 18	14.6	706	23 20	741	672	11 43	69	316	17 50	334	277	11 42	57
26	58.8	12 44	66.1	51.8	7 45	14.3	709	20 44	751	682	15 20	69	315	18 50	329	290	11 2	39
27	59.7	10 48	67.1	53.5	16 3	13.6	693	4 32	750	629	9 6	121	317	16 15	351	282	9 6	69
28	57.8	14 5	67.2	48.6	6 24	18.6	693	19 23	721	664	11 43	57	323	17 27	348	297	11 42	51
29	58.6	12 28	67.2	53.2	5 36	14.0	692	18 19	711	666	10 20	45	319	17 28	333	298	11 15	35
30	57.7	15 46	64.3	52.7	0 50	11.6	697	22 20	720	677	8 42	43	318	18 52	330	299	10 55	31
31	57.7	13 21	65.6	49.4	20 32	16.2	699	18 16	733	667	10 20	66	318	19 19	339	292	12 18	47
Mean	58.0	-	65.9	49.5	-	16.4	696	-	731	657	-	74.2	318	-	341	293	-	47.9
Mean *	58.3	-	64.9	52.1	-	12.8	700	-	718	674	-	44.2	316	-	329	298	-	30.8
Mean **	57.5	-	68.9	42.0	-	26.9	691	-	757	619	-	137.8	317	-	367	286	-	80.6
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	58.7	13 15	67.0	53.7	3 11	13.3	702	18 54	728	677	8 35	51	319	18 49	339	301	11 16	38
2 **	58.1	14 28	73.9	45.7	3 28	28.2	696	3 30	753	638	11 35	115	322	19 28	372	290	7 50	82
3 **	58.4	14 4	65.1	51.8	2 52	13.3	690	18 54	746	614	7 21	132	320	18 36	355	294	0 49	61
4 **	58.6	1 10	65.9	51.6	7 53	14.3	692	17 38	737	624	11 2	113	319	18 33	343	295	3 37	48
5	57.6	17 4	62.6	43.0	19 37	19.6	700	19 50	789	659	10 9	130	322	19 46	352	305	12 46	47
6	58.1	14 50	64.2	51.6	6 55	12.6	699	17 33	730	664	13 41	66	319	19 36	344	299	11 6	45
7	58.5	14 12	64.5	52.7	6 10	11.8	697	19 4	719	658	8 27	61	322	18 35	339	305	12 3	34
8	58.2	14 3	64.6	51.7	6 20	12.9	700	19 5	725	669	13 27	56	320	17 28	332	300	11 40	32
9	58.2	14 5	64.4	51.6	6 27	12.8	704	18 37	731	677	9 43	54	319	18 37	333	300	11 19	33
10	58.7	13 30	65.8	51.7	20 19	14.1	707	19 7	749	671	11 18	78	318	17 13	335	300	11 47	35
11	57.5	14 0	65.1	50.6	22 8	14.5	705	22 20	748	671	9 40	77	315	19 35	331	293	10 34	38
12	57.9	14 32	66.6	50.4	21 24	16.2	710	16 52	766	670	9 20	96	317	18 50	344	286	11 55	58
13	57.2	13 20	64.8	50.5	6 22	14.3	700	19 51	735	660	9 43	75	317	19 36	342	294	11 36	48
14	57.5	13 20	64.7	50.9	6 36	13.8	700	18 36	736	670	10 48	66	319	18 49	339	299	11 48	40
15	57.2	14 4	62.7	51.9	5 29	10.8	700	18 55	740	670	12 55	70	317	18 54	329	303	13 20	26
16 *	58.1	14 2	65.1	51.0	6 38	14.1	705	23 25	727	669	9 16	58	315	18 10	332	290	12 26	42
17	57.9	14 10	66.7	51.3	6 54	15.4	708	15 37	730	671	14 42	59	317	17 28	338	291	11 54	47
18	57.8	16 5	64.4	50.6	6 24	13.8	704	20 49	736	674	11 30	62	317	18 37	332	300	11 52	32
19 *	57.1	16 46	62.4	50.9	6 59	11.5	710	17 42	727	687	7 21	40	314	19 13	325	295	12 32	30
20	58.0	14 8	68.6	48.3	21 10	20.3	712	18 28	753	678	14 20	75	315	20 38	338	285	11 32	53
21	57.4	11 59	63.0	51.6	4 45	11.4	700	18 57	740	666	12 30	74	316	18 50	339	290	11 15	49
22	57.6	13 20	64.4	52.5	6 29	11.9	702	22 10	727	663	12 16	64	318	18 49	333	295	12 17	38
23 *	57.2	13 25	62.9	52.1	8 13	10.8	700	20 8	718	679	13 12	39	320	19 37	333	302	11 56	31
24	57.3	14 32	63.4	50.6	5 50	12.8	706	19 4	736	684	10 40	52	319	19 19	335	301	11 21	34
25	56.6	14 43	63.1	50.8	5 27	12.3	705	19 6	727	673	10 25	54	317	19 20	329	302	10 0	27
26 *	57.6	14 25	62.6	52.6	6 47	10.0	707	18 45	727	690	11 33	37	318	18 50	333	295	11 55	38
27 *	58.2	14 5	66.4	52.8	7 44	13.6	708	22 28	731	683	9 36	48	318	18 13	333	292	11 35	41
28	57.9	14 20	66.2	52.1	6 42	14.1	712	23 49	739	683	10 20	56	314	18 1	329	287	12 16	42
29 **	58.4	14 36	72.8	43.7	21 49	29.1	711	17 40	766	618	9 50	148	322	17 37	377	291	9 25	86
30 **	57.9	14 23	66.2	48.4	1 51	17.8	698	1 17	768	621	9 13	147	319	17 35	355	282	1 32	73
Mean	57.9	-	65.3	50.6	-	14.7	703	-	739	664	-	75.1	318	-	340	295	-	44.3
Mean *	57.6	-	63.9	51.9	-	12.0	706	-	726	682	-	44.4	317	-	331	295	-	36.4
Mean **	58.3	-	68.8	48.2	-	20.5	697	-	754	623	-	131.0	320	-	360	290	-	70.0

* 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
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 **	57.6	14 55	63.6	50.6	8 15	13.0	697	21 38	730	610	9 16	120	321	17 36	342	304	11 25	38
2 **	59.1	14 16	66.4	51.1	22 5	15.3	701	22 22	752	647	12 0	105	319	19 38	351	290	3 44	61
3	57.1	17 9	63.2	52.6	7 31	10.6	698	19 58	735	652	12 48	83	325	19 58	346	310	11 37	36
4	57.3	14 30	63.5	52.4	7 55	11.1	699	18 40	736	632	11 37	104	317	18 35	347	295	11 30	52
5	57.7	14 20	64.4	52.5	21 40	11.9	699	21 2	721	660	11 30	61	319	20 9	337	300	12 47	37
6	56.5	0 58	63.5	50.8	1 58	12.7	704	22 48	732	679	8 20	53	318	16 46	338	294	1 32	44
7	57.0	14 32	65.7	48.3	4 40	17.4	705	23 57	752	666	15 1	86	313	17 4	333	287	5 49	46
8	56.6	15 42	63.7	48.4	20 54	15.3	701	0 2	747	672	11 20	75	317	19 20	346	297	11 13	49
9	56.2	14 11	63.3	49.8	23 25	13.5	705	19 4	765	679	6 51	86	316	20 10	338	296	13 13	42
10	57.0	14 12	64.1	50.2	5 18	13.9	700	22 2	718	668	10 0	50	316	18 42	337	294	11 20	43
11 *	57.0	13 30	63.6	50.5	8 24	13.1	705	19 22	727	664	10 10	63	316	17 38	334	285	11 31	49
12	57.2	13 20	67.5	44.7	20 46	22.8	711	20 55	754	677	8 47	77	316	18 48	335	291	12 22	44
13	57.5	13 24	66.9	48.7	6 8	18.2	700	5 21	729	652	10 20	77	320	17 37	344	300	12 22	44
14	57.8	17 45	65.2	51.3	5 50	13.9	712	17 45	787	671	10 40	116	317	17 45	339	292	11 57	47
15	57.2	15 55	64.8	51.5	8 28	13.3	703	1 10	739	648	13 34	91	316	19 6	344	291	12 13	53
16 *	56.3	14 6	60.6	51.2	8 48	9.4	704	17 22	721	679	10 40	42	321	17 27	339	305	11 57	34
17 *	57.4	14 55	64.1	52.4	6 9	11.7	707	19 30	726	683	12 34	43	320	19 15	334	303	12 29	31
18 *	57.4	14 6	64.4	51.6	7 36	12.8	713	18 32	733	684	9 52	49	312	17 36	327	281	13 5	46
19	56.9	14 48	64.6	49.8	3 15	14.8	711	19 39	737	674	10 51	63	315	17 55	332	296	11 49	36
20	56.7	12 40	63.3	49.8	5 27	13.5	706	15 46	726	683	12 20	43	315	15 40	336	285	12 14	51
21 *	57.3	14 12	63.2	52.4	8 8	10.8	704	22 6	729	673	9 19	56	317	16 44	332	298	10 25	34
22	56.8	13 6	62.1	50.8	7 48	11.3	705	23 50	740	673	9 32	67	319	18 4	333	301	11 22	32
23 **	57.7	14 35	76.7	44.5	23 9	32.2	696	22 16	766	639	10 9	127	327	16 32	387	292	5 0	95
24	57.1	16 33	65.1	48.9	0 59	16.2	694	22 22	730	645	11 39	85	325	18 12	345	307	11 57	38
25	57.1	13 38	62.9	50.7	8 6	12.2	701	19 30	740	670	9 47	70	326	18 45	348	307	13 56	41
26	57.6	14 48	65.2	48.6	1 15	16.6	702	0 58	756	653	14 37	103	324	16 58	343	301	1 16	42
27 **	57.6	14 51	64.5	45.2	18 53	19.3	696	0 29	769	626	10 44	143	321	18 56	361	293	6 0	68
28	56.4	0 43	62.6	47.0	22 1	15.6	694	22 9	739	620	8 30	119	321	19 30	352	297	3 11	55
29 **	57.2	23 55	65.6	48.0	20 24	17.6	693	20 29	765	630	10 42	135	323	16 8	357	293	3 55	64
30	56.6	0 0	63.6	47.8	21 15	15.8	695	21 24	750	640	8 42	110	322	19 10	350	297	0 20	53
31	56.6	14 0	63.2	50.5	0 23	12.7	694	15 41	727	638	10 23	89	323	18 36	340	298	3 11	42
Mean	57.1	-	64.6	49.8	-	14.8	702	-	741	658	-	83.6	319	-	343	296	-	46.7
Mean *	57.1	-	63.2	51.6	-	11.6	707	-	727	677	-	50.6	317	-	333	294	-	38.8
Mean **	57.8	-	67.4	47.9	-	19.5	697	-	756	630	-	126.0	322	-	360	294	-	65.2
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	56.8	12 54	64.6	50.8	7 29	13.8	699	21 5	751	664	9 29	87	320	18 16	349	302	13 18	47
2	56.8	3 23	62.6	50.4	7 6	12.2	699	19 55	729	664	10 38	65	318	19 48	340	300	10 45	40
3	56.6	13 44	63.7	50.7	8 8	13.0	700	21 14	732	681	6 58	51	321	19 17	340	306	12 18	34
4	57.2	12 58	63.7	50.8	5 27	12.9	704	20 51	726	673	16 24	53	322	16 38	340	303	10 18	37
5	56.3	13 25	63.1	50.0	20 27	13.1	705	20 40	733	685	8 40	48	322	18 37	334	306	12 24	28
6	57.1	12 41	64.5	51.8	5 41	12.7	707	20 14	736	668	9 45	68	320	15 37	332	299	11 32	33
7	57.1	2 24	62.6	50.5	5 7	12.1	704	19 15	722	660	9 53	62	321	18 38	335	307	3 0	28
8	56.8	12 46	65.5	51.1	7 40	14.4	703	22 29	724	673	9 59	51	320	16 29	333	294	11 32	39
9	57.4	13 9	65.9	46.7	20 31	19.2	711	20 32	744	681	14 11	63	314	21 2	330	293	11 25	37
10	57.5	12 22	65.4	49.8	23 34	15.6	702	21 38	729	642	8 9	87	324	17 15	350	299	11 26	51
11	56.4	12 5	67.7	48.0	19 19	19.7	693	3 28	742	650	9 41	92	316	17 6	362	287	3 56	75
12 **	56.8	15 7	70.5	46.1	2 31	24.4	684	4 28	742	601	9 28	141	321	15 46	385	266	5 12	119
13	55.4	14 40	67.5	41.4	20 39	26.1	697	16 47	748	650	9 41	98	322	20 46	343	306	11 38	37
14	57.2	13 20	66.6	50.3	7 48	16.3	697	19 0	733	660	10 13	73	324	17 48	340	307	2 35	33
15	56.5	13 44	63.1	50.1	20 30	13.0	705	20 9	755	681	12 8	74	322	19 59	340	297	11 45	43
16	57.6	12 21	66.8	51.2	6 37	15.6	700	0 49	726	651	10 24	75	323	17 44	337	302	12 48	35
17 *	57.2	13 20	65.3	52.6	5 30	12.7	705	15 45	720	683	13 46	37	323	7 38	334	302	12 40	32
18	57.2	13 8	64.7	51.8	6 47	12.9	705	16 16	728	678	9 56	50	319	21 30	329	308	11 21	21
19 *	56.2	13 25	62.6	51.6	5 3	11.0	706	18 34	729	672	11 50	57	322	16 34	333	307	11 32	26
20 *	56.5	14 30	62.1	51.7	8 3	10.4	708	22 31	728	683	9 21	45	320	17 25	334	302	11 32	32
21 *	56.6	12 3	63.1	50.5	7 48	12.6	707	19 9	726	673	8 40	53	319	16 38	333	304	9 56	29
22 *	56.4	12 15	64.4	49.6	7 14	14.8	707	20 25	720	678	8 21	42	321	15 39	333	299	10 56	34
23 **	56.2	13 52	71.0	38.9	20 29	32.1	704	22 48	816	638	17 27	178	326	17 50	383	274	23 45	109
24 **	56.4	23 4	66.9	36.0	19 21	30.9	687	19 29	759	607	16 32	152	320	17 14	371	262	23 42	109
25	56.7	13 19	67.4	49.1	18 9	18.3	684	20 46	729	591	9 46	138	324	17 46	351	278	0 0	73
26	55.7	0 51	64.7	44.4	21 48	20.3	695	21 59	763	655	8 4	108	324	17 36	352	305	1 20	47
27 **	56.6	14 32	67.2	43.2	19 38	24.0	691	19 42	757	638	9 15	119	327	15 19	384	282	2 43	102
28	57.1	13 28	65.5	47.3	15 46	18.2	689	21 5	761	616	9 37	145	321	16 4	364	299	24 0	65
29	56.9	6 5	64.6	40.4	20 28	24.2	691	20 32	781	621	10 39	160	325	18 6	364	299	0 0	65
30 **	57.0	1 50	66.8	48.1	19 30	18.7	686	19 40	746	595	15 10	151	323	15 38	366	286	2 20	80
31	56.9	14 32	64.4	49.7	19 19	14.7	691	20 17	739	627	12 54	112	323	16 27	352	299	3 16	53
Mean	56.7	-	65.3	48.2	-	17.1	699	-	741	653	-	88.2	322	-	348	296	-	51.4
Mean *	56.6	-	63.5	51.2	-	12.3	707	-	725	678	-	46.8	321	-	333	303	-	30.6
Mean **	56.6	-	68.5	42.5	-	26.0	690	-	764	616	-	148.2	323	-	378	274	-	103.8

* 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
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	56.0	12 18	64.5	50.9	18 36	13.6	692	18 49	725	645	12 36	80	328	16 19	350	312	12 36	38
2	55.6	1 33	67.0	47.1	20 10	19.9	690	22 47	732	658	7 34	74	329	17 27	356	309	2 16	47
3 **	54.8	12 5	63.0	30.6	23 12	32.4	697	18 2	809	644	22 3	165	326	18 1	369	248	23 58	121
4 **	53.8	12 1	66.4	23.0	1 4	43.4	668	19 3	757	611	8 47	146	322	17 28	379	234	1 2	145
5	54.0	14 10	62.9	39.7	1 47	23.2	693	0 44	751	645	1 39	106	323	19 16	343	286	1 32	57
6	56.3	12 27	62.0	48.7	20 38	13.3	693	23 15	736	645	7 50	91	329	18 1	339	312	12 40	27
7	57.0	11 21	64.3	50.3	17 19	14.0	695	23 58	728	653	10 23	75	329	17 29	352	312	10 3	40
8	55.8	12 40	63.2	51.1	1 35	12.1	695	0 1	729	653	9 19	76	327	15 37	346	307	11 56	39
9 *	56.0	12 25	63.2	50.9	7 20	12.3	703	23 13	717	679	9 41	38	322	16 18	334	299	10 40	35
10	56.4	11 51	64.6	49.1	24 0	15.5	707	22 30	754	680	9 34	74	324	17 27	342	306	10 58	36
11	56.7	12 40	65.6	47.4	2 15	18.2	704	1 9	776	663	8 24	113	320	17 26	334	287	1 48	47
12	56.7	12 40	64.2	51.4	21 1	12.8	705	22 39	725	666	9 36	59	323	16 36	336	303	12 13	33
13	56.3	12 31	64.0	51.1	0 48	12.9	698	21 22	719	662	9 14	57	321	19 37	332	303	10 22	29
14 *	56.8	12 43	64.3	51.8	7 46	12.5	704	18 58	719	680	10 41	39	320	19 36	328	297	11 12	31
15	57.1	14 47	70.5	49.4	19 28	21.1	709	14 46	750	660	18 50	90	322	19 35	353	293	11 40	60
16	56.0	14 21	63.0	47.4	18 4	15.6	698	15 20	718	658	17 46	60	327	18 26	351	300	11 26	51
17	56.7	13 25	62.3	48.4	19 24	13.9	697	19 29	724	658	14 10	66	325	15 29	341	314	12 3	27
18	56.6	13 25	61.3	38.3	23 27	23.0	704	23 42	754	667	23 12	87	323	20 37	344	296	23 12	48
19 **	54.3	7 34	71.4	23.2	17 6	48.2	675	17 11	757	577	10 19	180	327	17 5	458	246	3 5	212
20 **	56.9	2 20	65.5	48.2	18 46	17.3	680	23 39	754	637	16 54	117	331	16 39	373	299	2 50	74
21	55.1	11 48	62.2	43.8	17 26	18.4	683	17 35	719	638	10 36	81	331	17 36	356	300	0 19	56
22	55.3	1 57	63.8	41.1	20 55	22.7	695	21 1	751	644	7 50	107	322	16 28	342	291	3 10	51
23 **	55.6	5 14	65.4	40.3	18 40	25.1	688	0 0	736	619	10 21	117	331	16 34	373	308	10 9	65
24	56.4	13 41	64.8	42.6	20 14	22.2	684	20 23	748	619	7 28	129	335	14 29	369	308	0 2	61
25	56.0	12 29	63.7	49.7	19 14	14.0	689	19 21	712	650	8 54	62	332	15 19	347	315	11 50	32
26	55.5	13 37	62.0	43.8	21 26	18.2	694	21 36	729	667	10 19	62	331	19 36	343	316	11 40	27
27	56.3	2 39	64.3	50.0	0 50	14.3	692	3 38	746	637	11 37	109	327	15 9	347	302	3 44	45
28 *	56.3	13 40	61.2	52.1	3 19	9.1	696	6 4	718	666	11 34	52	327	16 44	342	310	11 5	32
29 *	56.7	14 27	63.0	52.1	8 55	10.9	707	16 35	727	683	11 26	44	326	7 41	334	308	12 21	26
30 *	56.2	14 13	61.6	51.1	22 5	10.5	706	6 57	724	665	19 13	59	325	19 39	347	304	12 38	43
Mean	56.0	-	64.2	45.5	-	18.7	695	-	738	651	-	87.2	326	-	352	298	-	54.5
Mean *	56.4	-	62.7	51.6	-	11.1	703	-	721	675	-	46.4	324	-	337	304	-	33.4
Mean **	55.1	-	66.3	33.1	-	33.3	682	-	763	618	-	145.0	327	-	390	267	-	123.4
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	55.7	3 40	63.4	49.1	19 4	14.3	701	19 18	748	660	13 9	88	326	18 40	346	306	4 49	40
2	55.7	12 44	60.3	52.8	0 50	7.5	701	20 11	716	677	17 45	39	326	18 43	340	311	13 53	29
3	57.1	13 8	64.0	53.8	24 0	10.2	704	6 7	721	671	11 21	50	325	23 46	334	314	11 56	20
4	55.8	13 19	61.0	50.5	20 40	10.5	706	22 1	724	680	10 9	44	323	20 27	332	311	11 5	21
5 *	56.5	13 12	61.7	53.0	8 36	8.7	710	19 3	725	689	10 56	36	320	23 48	332	308	12 56	24
6 *	56.1	13 40	61.1	51.8	0 29	9.3	712	21 18	727	694	14 31	33	320	20 27	329	307	13 16	22
7	56.4	14 26	62.8	45.6	23 12	17.2	706	0 4	735	669	12 58	66	320	23 47	339	304	10 55	35
8	54.8	14 21	61.9	41.4	21 26	20.5	704	21 22	744	677	14 21	67	321	21 0	333	304	11 45	29
9	56.2	14 5	61.7	52.2	0 15	9.5	708	7 8	735	682	11 50	53	320	16 25	332	307	11 49	25
10	55.4	14 25	63.0	43.6	20 17	19.4	702	23 39	731	682	10 47	49	323	20 34	341	303	11 57	38
11	56.5	14 24	64.9	50.9	18 2	14.0	702	22 49	717	671	13 15	46	322	18 11	340	301	11 14	39
12 *	56.1	13 51	62.2	51.9	9 14	10.3	703	17 54	722	674	10 57	48	326	20 35	337	311	10 56	26
13 *	56.2	13 39	62.9	52.1	22 1	10.8	706	22 4	720	674	11 38	46	326	16 30	342	306	11 38	36
14 *	56.2	12 21	61.2	52.0	8 21	9.2	708	20 5	719	688	10 31	31	324	16 36	334	311	12 21	23
15 **	55.3	15 50	76.8	30.5	21 9	46.3	693	14 16	754	563	18 4	191	338	17 59	468	298	23 40	170
16 **	51.9	13 43	62.0	35.5	23 18	26.5	666	18 2	733	594	23 50	139	330	16 15	375	274	23 50	101
17	54.0	14 50	65.4	36.9	20 29	28.5	677	23 12	712	577	15 21	135	335	15 49	377	286	0 47	91
18 **	53.8	14 26	63.9	35.4	20 22	28.5	662	18 54	698	698	14 58	100	340	15 30	402	295	23 45	107
19 **	56.0	6 37	66.5	38.1	18 9	28.4	671	2 25	766	593	12 59	173	332	13 19	376	274	3 45	102
20 **	54.7	11 44	63.6	39.2	21 0	24.4	681	19 44	753	614	12 22	139	332	15 0	371	300	2 57	71
21	56.0	13 20	64.9	50.6	0 1	14.3	681	23 59	705	607	9 56	98	337	14 39	361	321	0 0	40
22	54.9	3 57	64.5	43.8	17 42	20.7	691	17 57	724	651	17 34	73	334	16 29	356	316	6 18	40
23	55.2	13 7	61.1	49.3	18 2	11.8	692	18 9	711	658	11 39	53	333	15 14	355	316	10 40	39
24	56.2	13 52	65.9	51.6	22 36	14.3	696	7 13	713	651	13 22	62	332	14 20	347	314	10 56	33
25	55.1	12 31	59.5	52.7	0 44	6.8	701	21 51	720	684	11 49	36	332	15 55	343	322	11 47	21
26	55.4	13 53	60.1	51.9	0 24	8.2	702	6 50	718	682	10 58	36	331	19 26	342	317	10 56	25
27	55.6	0 52	62.2	46.6	22 31	15.6	694	19 9	738	662	14 39	76	334	19 8	359	316	1 50	43
28	54.9	13 39	60.0	51.2	23 41	8.8	701	20 55	726	678	11 21	48	330	17 15	343	316	1 30	27
29	55.0	12 6	61.5	44.1	23 18	17.4	707	21 26	750	682	12 34	68	327	20 40	347	311	12 28	36
30	55.3	12 36	60.2	48.2	0 1	12.0	702	19 6	722	684	13 20	38	330	16 27	339	322	10 15	17
31	55.0	13 24	59.6	48.2	1 23	11.4	705	0 50	726	683	13 20	43	329	14 37	340	318	1 18	22
Mean	55.5	-	62.9	46.9	-	16.0	697	-	728	656	-	71.1	328	-	352	307	-	44.9
Mean *	56.2	-	61.8	52.2	-	9.7	708	-	723	684	-	38.8	323	-	335	309	-	26.2
Mean **	54.3	-	66.6	35.7	-	30.8	675	-	741	592	-	148.4	334	-	398	288	-	110.2

* 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
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	55.2	13 18	60.0	48.2	18 31	11.8	702	22 32	711	681	10 35	30	330	18 50	343	321	10 3	22
2 *	55.7	12 21	59.5	53.1	8 24	6.4	708	21 15	721	691	10 22	30	329	19 9	337	314	11 1	23
3	55.6	12 24	60.5	51.1	24 0	9.4	709	18 34	721	690	15 21	31	329	18 21	340	316	10 55	24
4	55.1	12 22	60.3	50.7	24 0	9.6	709	18 39	719	688	10 18	31	325	20 33	334	314	10 59	20
5	56.1	14 56	64.7	49.3	3 56	15.4	691	6 27	728	642	16 38	86	335	17 26	366	313	6 52	53
6	56.0	12 59	60.4	53.1	8 45	7.3	706	17 47	718	685	13 43	33	330	15 41	339	321	9 56	18
7	55.7	12 7	60.7	51.7	20 40	9.0	704	17 4	716	683	10 37	33	331	14 45	340	322	9 59	18
8	55.8	13 20	60.4	49.6	23 49	10.8	707	23 12	737	683	11 20	54	328	18 9	335	315	9 57	20
9 *	55.2	13 40	58.8	49.6	0 15	9.2	711	6 49	723	700	11 33	23	325	16 25	335	314	10 59	21
10 *	55.6	13 38	59.4	52.7	9 45	6.7	712	17 46	722	698	11 33	24	323	16 26	334	313	10 57	21
11	55.8	14 4	61.5	51.3	19 50	10.2	711	8 8	725	682	19 33	43	324	20 8	338	309	10 53	29
12	54.8	13 15	62.6	39.9	21 18	22.7	702	21 32	736	665	20 57	71	327	21 11	352	312	1 35	40
13 **	54.0	13 30	64.6	38.0	19 53	26.6	692	2 53	749	594	13 10	155	327	13 31	354	304	3 36	50
14 **	53.8	3 43	67.1	37.0	17 37	30.1	687	3 57	735	591	12 41	144	329	13 20	356	304	4 16	52
15 **	54.5	6 28	64.3	30.3	18 48	34.0	680	6 27	727	601	15 44	126	339	14 52	372	318	6 43	54
16 **	54.6	2 44	66.1	39.5	18 13	26.6	691	4 33	730	619	17 55	111	332	18 26	362	304	3 24	58
17	54.2	2 14	60.9	45.1	17 53	15.8	700	21 54	763	655	17 1	108	330	18 31	353	316	22 52	37
18	54.7	12 53	60.1	49.3	15 48	10.8	697	23 12	728	651	11 3	77	331	16 17	345	317	4 16	28
19 **	55.0	12 55	62.5	36.0	20 11	26.5	697	4 51	737	618	13 23	119	329	13 57	360	311	5 40	49
20	53.6	3 20	59.3	44.8	18 40	14.5	696	18 47	732	657	15 18	75	330	16 35	350	316	3 51	34
21	54.5	12 34	59.1	46.8	20 10	12.3	694	5 16	710	659	10 55	51	333	13 34	345	321	1 12	24
22	54.7	12 25	59.1	52.0	24 0	7.1	700	23 51	715	684	19 20	31	332	14 22	340	324	10 40	16
23	55.2	11 30	62.6	42.8	20 35	19.8	704	20 37	782	648	22 1	134	332	20 24	361	318	21 8	43
24	55.0	6 22	59.7	50.6	23 52	9.1	702	0 38	727	683	16 58	44	328	17 19	344	311	1 5	33
25	54.6	12 20	59.3	47.2	22 39	12.1	706	5 30	725	683	12 37	42	331	16 27	342	320	23 57	22
26	54.8	11 58	59.0	47.4	1 23	11.6	705	16 37	717	685	1 24	32	330	16 40	338	318	11 59	20
27	54.8	13 51	58.7	52.4	22 54	6.3	706	23 33	721	689	12 23	32	331	18 17	341	323	11 46	18
28 *	54.6	12 55	58.6	50.6	23 42	8.0	711	8 1	722	693	23 43	29	328	23 8	335	319	11 48	16
29 *	54.6	12 46	58.3	50.8	0 4	7.5	708	19 41	719	695	10 30	24	328	16 27	334	318	11 34	16
30 *	55.1	12 41	58.0	53.2	1 47	4.8	713	18 38	727	701	2 10	26	327	14 9	334	318	8 58	16
Mean	55.0	-	60.9	47.1	-	13.7	702	-	728	666	-	61.6	329	-	345	315	-	29.8
Mean *	55.2	-	58.9	51.8	-	7.0	711	-	723	697	-	26.4	326	-	335	316	-	19.4
Mean **	54.4	-	64.9	36.2	-	28.8	689	-	736	605	-	131.0	331	-	361	308	-	52.6
December	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 *	55.2	13 3	57.8	52.9	22 27	4.9	717	8 26	728	703	1 10	25	325	18 28	332	318	7 15	14
2 *	55.4	12 40	58.9	53.5	0 37	5.4	716	8 59	727	708	24 0	19	325	17 20	334	317	10 56	17
3	55.3	13 3	60.0	52.7	23 36	7.3	710	9 18	726	694	18 43	32	326	20 34	338	315	8 11	23
4	54.5	12 26	58.7	41.5	0 35	17.2	713	0 10	743	692	18 35	51	325	18 50	336	317	0 33	19
5	54.5	12 51	57.8	51.4	2 37	6.4	714	0 1	728	701	4 18	27	325	14 30	335	317	11 55	18
6	55.0	15 20	59.9	50.1	22 17	9.8	713	11 6	734	690	21 21	44	325	21 43	336	313	10 2	23
7	54.7	13 20	58.3	51.8	22 29	6.5	713	22 36	733	698	11 2	35	324	2 2	333	314	10 55	19
8	54.8	15 42	59.2	46.0	23 59	13.2	713	23 46	736	698	19 12	38	325	16 19	333	315	7 52	18
9	54.3	12 48	58.0	42.7	20 18	15.3	709	0 0	722	693	17 48	29	326	18 40	336	317	10 33	19
10	54.8	13 3	58.1	50.9	22 25	7.2	711	17 52	727	691	10 31	36	324	16 19	336	315	10 49	21
11 **	54.4	13 40	62.9	40.2	21 17	22.7	697	7 49	742	636	13 20	106	331	19 9	358	314	10 15	44
12 **	54.4	0 39	61.3	43.9	18 10	17.4	694	23 49	722	646	15 31	76	331	15 44	353	318	1 9	35
13 **	54.3	13 57	58.3	45.0	19 56	13.3	701	20 4	764	671	19 15	93	330	20 3	346	318	0 22	28
14	54.4	12 44	58.0	49.5	20 19	8.5	706	7 51	723	690	19 18	33	330	19 36	338	324	6 59	14
15	54.1	11 35	57.8	46.3	20 35	11.5	709	9 12	727	679	20 16	48	329	20 49	341	322	13 15	19
16	55.0	13 42	58.3	50.7	22 10	7.6	712	22 33	725	699	0 12	26	327	16 35	336	321	8 11	15
17	54.7	13 4	57.5	46.1	22 11	11.4	715	7 8	732	695	21 18	37	324	21 40	331	317	7 52	14
18	55.1	14 7	59.2	52.0	2 7	7.2	714	22 52	727	701	17 12	26	325	17 36	335	314	12 26	21
19	54.8	12 49	59.0	51.5	21 45	7.5	713	8 4	729	682	18 53	47	324	20 35	337	311	12 13	26
20	55.0	17 10	58.4	52.0	18 49	6.4	712	11 40	721	694	18 44	27	326	0 17	336	318	11 57	18
21	54.8	11 48	58.8	50.6	22 35	8.2	715	23 14	745	697	22 45	48	325	23 1	335	311	12 3	24
22 **	54.8	15 22	59.3	47.1	19 18	12.2	714	8 57	742	682	19 12	60	326	19 37	340	314	9 14	26
23 *	54.7	17 45	57.8	50.6	18 31	7.2	711	16 41	725	690	19 28	35	328	19 14	338	321	7 3	17
24	54.3	13 12	57.3	51.8	1 7	5.5	710	6 53	730	694	11 22	36	329	10 20	340	322	6 58	18
25	54.6	12 16	57.8	47.7	22 40	10.1	712	8 6	729	690	22 27	39	326	23 1	335	320	11 26	15
26	54.4	11 24	57.5	48.1	22 19	9.4	711	13 6	729	688	22 20	41	326	22 43	335	320	0 53	15
27	54.5	12 1	57.5	50.7	23 34	6.8	712	21 41	765	683	23 35	82	326	20 59	336	318	23 14	18
28	54.6	10 58	58.8	50.4	2 52	8.4	709	12 11	725	690	0 4	35	327	20 15	337	319	13 39	18
29 **	54.4	12 8	59.2	45.3	22 40	13.9	714	16 54	734	688	23 25	46	325	18 26	334	316	10 55	18
30 *	54.8	11 2	58.3	53.0	0 0	5.3	713	7 8	726	698	0 10	28	324	19 17	335	314	10 58	21
31 *	54.4	12 21	57.5	53.1	24 0	4.4	714	7 11	726	701	23 56	25	325	18 25	332	318	7 56	14
Mean	54.7	-	58.6	49.0	-	9.6	711	-	732	689	-	42.9	326	-	337	317	-	20.3
Mean *	54.9	-	58.1	52.6	-	5.4	714	-	726	700	-	26.4	325	-	334	318	-	16.6
Mean **	54.5	-	60.2	44.3	-	15.9	704	-	741	665	-	76.2	329	-	346	316	-	30.2

* International Quiet Day. ** International Disturbed Day.

TABLE IV(A). - THREE-HOUR-RANGE INDICES "K" FOR THE YEAR 1953

Date	January		February		March		April		May		June	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	3323 3343	24	1021 2222	12	2234 3333	23	3123 3322	19	1122 3310	13	2321 1232	16
2	2133 4553	26	1222 2321	15	4444 5665	38	4332 2343	24	2122 3111	13	2455 5554	35
3	3221 3332	19	3212 1222	15	4434 3344	29	4222 2343	22	0011 1322	10	4354 4443	31
4	2111 0222	11	1112 3230	13	4212 3331	19	4433 3344	28	1312 1211	12	4444 3432	28
5	1355 4655	34	0011 1220	7	1212 2344	19	2022 2222	14	2323 2333	21	1343 2352	23
6	3223 3533	24	0011 1210	6	0123 2214	15	2322 2123	17	4345 4455	34	2433 3331	22
7	2122 3321	16	0011 1001	4	4233 3142	22	0122 1222	12	4444 3333	28	2232 3321	18
8	3221 2122	15	1011 2223	12	2322 3455	26	2223 2214	18	4343 4344	29	1221 2221	13
9	4012 2333	18	3322 2335	23	5234 4355	31	3311 2222	16	4333 3333	25	1222 2221	14
10	1111 3213	13	2012 3335	19	4333 3333	25	2323 3334	23	2123 4332	20	1333 3342	22
11	4221 2122	16	3233 1122	17	3122 2122	15	1433 3533	25	2123 2221	15	2222 3324	20
12	2211 3310	13	0112 2221	11	3111 1211	11	3333 3233	23	2211 1222	13	1223 3444	23
13	1113 3244	19	0021 1223	11	0011 1213	9	4233 4431	24	1122 3111	12	3323 3343	24
14	2223 2222	17	3233 2341	21	4212 3234	21	2222 3122	16	1111 2212	11	2222 3332	19
15	1111 2102	9	3222 3124	19	1134 3221	17	3323 3232	21	1323 5566	31	0122 3232	15
16	1013 3211	12	4222 2542	23	3313 2324	21	4444 3556	35	4534 5566	38	1113 3222	15
17	1011 2124	12	2223 2231	17	2132 1230	14	3223 3312	19	6432 3434	29	1122 4423	19
18	1223 3332	19	0021 2223	12	1112 1111	9	2233 3332	21	4433 3333	26	2232 1222	16
19	2544 3333	27	2222 2333	19	4323 3344	26	3422 4424	25	4434 4244	29	2121 2321	14
20	5333 2232	23	3022 2221	14	3023 1243	18	4444 4435	32	3233 3333	23	1233 4443	24
21	3122 3213	17	4333 2333	24	4434 3463	31	3343 3544	29	2332 2333	21	2333 2333	22
22	2212 2212	14	3222 3445	25	4332 3345	27	3333 4443	27	2322 3343	22	1122 4333	19
23	4222 1121	15	5344 4654	35	4443 3553	31	3432 3344	26	3113 2232	17	1111 2112	10
24	1123 3332	18	5454 4565	38	4444 4565	36	2111 3343	18	1121 3332	16	2222 2333	19
25	0125 4334	22	5344 4444	32	4443 4455	33	3223 3334	23	0123 2323	16	2122 2221	14
26	5534 4565	37	4344 4555	34	2333 4355	28	2233 4314	22	1112 3243	17	0012 1321	10
27	4235 4553	31	3234 3435	27	3434 3344	28	3123 2223	18	3444 3432	27	1113 2322	15
28	2333 3445	27	3532 3343	26	3323 3453	26	2233 2310	16	2322 2331	18	1212 2123	14
29	4333 4453	29			3321 1244	20	1123 4310	15	1122 3211	13	1135 6644	30
30	4333 3441	25			3422 3243	23	3234 3442	25	2221 2222	15	5455 4443	34
31	4323 3222	21			1122 3134	17			2113 3342	19		

TABLE IV(A). - THREE-HOUR-RANGE INDICES "K" FOR THE YEAR 1953

Date	July		August		September		October		November		December	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	3344 4333	27	3323 3444	26	2333 4432	24	3423 3243	24	0012 1232	11	0011 1111	6
2	4443 4444	31	3323 2333	22	5332 3444	28	1212 2331	15	1122 1211	11	1021 1111	8
3	3233 4433	25	3122 3333	20	2233 3666	31	1213 2212	14	1111 2222	12	2111 1123	12
4	3334 4442	27	3212 2332	18	6544 3454	35	2102 1232	13	3122 1112	13	4122 1233	18
5	3333 3332	23	2213 2133	17	5423 3243	26	1123 1112	12	2332 3331	20	3211 1210	11
6	4222 3323	21	0123 3432	18	0143 3133	18	2122 3122	15	2122 3111	13	1011 3222	12
7	3332 4444	27	3323 3333	23	2233 2413	20	2043 3213	18	0122 2131	12	3122 1113	14
8	4223 3343	24	3223 2212	17	3223 2321	18	1233 3334	22	0011 1113	8	1111 2233	14
9	3123 3343	22	3323 4353	26	3322 2112	16	2333 2112	17	3111 1112	11	4011 1241	14
10	3223 2211	16	3343 2434	26	1122 3324	18	3212 2343	20	0012 1120	7	1012 1313	12
11	2322 2121	15	4433 3443	28	5233 3122	21	1112 3331	15	0011 2132	10	2334 5444	29
12	1122 3354	21	4544 4543	33	2123 3333	20	1012 1132	11	3122 3355	24	4332 3443	26
13	3233 3332	22	4332 4455	30	3233 2223	20	1113 2222	14	4434 5454	33	3212 2253	20
14	1112 3542	19	3322 2332	20	0122 2211	11	1122 1211	11	4523 5544	32	1121 1232	13
15	3333 4431	24	2122 2243	18	0233 4453	24	0122 5655	26	2354 4553	31	1112 2133	14
16	1222 1211	12	3134 3332	22	3233 3443	25	5333 3656	34	4433 3554	31	2112 1212	12
17	1123 3211	14	2112 3221	14	3332 4342	24	4334 4654	33	3222 3445	25	2212 2324	18
18	2212 3212	15	3222 2322	18	2231 1345	21	3343 4554	31	3324 3333	24	3012 2222	14
19	3322 3122	18	2112 3221	14	5455 5655	40	5345 5554	36	4433 5355	32	1021 2332	14
20	2222 3311	16	2112 2211	12	5333 4455	32	3443 4555	33	3443 3454	30	1111 2322	13
21	2123 3213	17	1132 2221	14	4343 4534	30	3245 4312	24	3223 3132	19	2112 2114	14
22	0122 1333	15	0222 3111	12	4443 3345	30	1433 3543	26	1011 2132	11	2231 2342	19
23	3434 5545	33	4335 4556	35	4444 5554	35	3333 3331	22	2133 3465	27	1011 2232	12
24	4223 3433	24	5534 4655	37	4354 4353	31	1122 4212	15	3333 1223	20	2132 1122	14
25	1122 3442	19	3345 4333	28	2133 4342	22	3323 2123	19	2332 2234	21	2121 1313	14
26	4333 4343	27	4433 3445	30	1122 2334	18	2123 1133	16	3222 1121	14	1002 2123	11
27	4553 5543	34	4344 4554	33	5433 3232	25	4333 3354	28	2132 2222	16	1122 2235	18
28	4443 3444	30	4334 4545	32	3322 2232	19	3222 1233	18	2111 0012	8	3222 3232	19
29	4444 3454	32	3434 3554	31	1112 3221	13	3312 3334	22	2212 1001	9	3112 3324	19
30	4343 4444	30	4444 5544	34	0223 2343	19	3223 2231	18	1011 2121	9	1121 1211	10
31	4334 4331	25	4424 4444	30			3222 2100	12			0022 2111	9

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

All Days

DECLINATION WEST (Unit 0.'01)

Month and Season, 1953	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	-131	-121	-113	- 68	- 73	- 50	- 18	- 13	+ 53	+117	+170	+253	***+321***	+266	+201	+107	+ 59	+ 42	-112	-164	-178	-179	***-195***	-185
February	-122	-116	-147	-153	-139	-124	- 60	- 30	+ 20	+ 52	+112	+241	+340	***+349***	+287	+203	+105	+ 41	- 45	-123	-108	-209	***-233***	-153
March	-150	-164	-148	-135	-157	-154	- 77	- 90	- 99	- 60	+ 77	+313	+478	***+539***	+492	+357	+167	+147	- 95	-220	-283	***-301***	-240	-188
April	-136	-144	-167	-164	-159	-180	-203	-274	***-286***	-234	- 39	+221	+447	***+555***	+509	+420	+287	+172	+ 50	- 63	- 86	-143	-179	-210
May	-240	-190	-169	-145	-182	-246	-318	***-388***	-349	-184	+ 56	+315	+519	***+571***	+539	+426	+317	+197	+ 41	- 21	- 53	- 99	-189	-216
June	-108	-122	-168	-246	-276	-366	***-385***	-357	-320	-219	- 6	+244	+407	+509	***+525***	+422	+360	+277	+162	+ 37	- 17	- 76	-143	-131
July	-165	-162	-142	-188	-262	***-322***	-313	-299	-315	-222	- 45	+150	+355	+488	***+546***	+439	+360	+266	+160	+ 70	- 1	- 93	-136	-175
August	-131	- 95	-131	-212	-231	-304	-344	***-371***	-301	-105	+168	+421	+592	***+596***	+522	+329	+199	+ 58	- 17	- 86	-200	-148	-119	-102
September	***-244***	-203	-138	-175	-226	-145	-132	-128	-131	- 29	+183	+455	***+563***	+538	+407	+242	+112	+ 9	- 80	-138	-163	-178	-180	-211
October	-211	-134	- 95	- 25	- 24	- 32	+ 2	- 44	- 96	- 93	+ 63	+261	+425	***+467***	+395	+224	+142	+ 64	- 66	-135	-275	-273	***-292***	-257
November	- 96	- 72	- 20	- 5	- 15	- 23	+ 40	+ 9	- 22	- 24	+ 85	+210	***+320***	+308	+234	+152	+ 68	+ 1	-113	-140	-244	***-265***	-206	-176
December	-130	- 88	- 49	- 29	- 19	- 12	+ 12	+ 3	+ 13	+ 34	+110	+165	***+223***	+220	+153	+135	+ 97	+ 52	- 8	-103	-179	-178	***-248***	-174
Year	-155	-134	-124	-129	-147	-163	-150	-165	-153	- 81	+ 78	+271	+416	***+451***	+401	+288	+189	+111	- 10	- 91	-149	-179	***-197***	-182
Winter	-120	- 99	- 82	- 64	- 62	- 52	- 7	- 8	+ 16	+ 45	+119	+217	***+301***	+286	+219	+149	+ 82	+ 34	- 70	-133	-177	-208	***-221***	-172
Equinox	-185	-161	-137	-125	-142	-128	-103	-134	-153	-104	+ 71	+313	+478	***+525***	+451	+311	+177	+ 98	- 48	-139	-202	***-224***	-223	-217
Summer	-161	-142	-153	-198	-238	-310	-340	***-354***	-321	-183	+ 43	+283	+468	***+541***	+533	+404	+309	+200	+ 87	0	- 68	-104	-147	-156

INCLINATION (Unit 0.'01)

January	- 10	0	- 13	- 23	- 54	- 66	- ***81***	- 71	- 59	- 33	+ 14	+ 23	+ 17	+ 9	+ 32	+ ***65***	+ 60	+ 46	+ 41	+ 49	+ 46	+ 17	- 6	- 2
February	- 9	- 14	- 4	+ 1	- 11	- 38	- ***56***	- 46	- 11	- 7	- 10	- 7	+ 2	- 1	+ 12	+ 31	+ ***62***	+ 42	+ 22	+ 31	+ 7	- 3	+ 3	- 8
March	- 33	- 29	- 43	- 37	- 31	- 45	- ***51***	- 32	- 8	+ 36	+ 54	+ ***60***	+ 44	+ 29	+ 28	+ 33	+ 60	+ 54	+ 32	+ 4	- 26	- 42	- 34	- 26
April	- 42	- 38	- 33	- 20	- 39	- 53	- 40	- 7	+ 29	+ 60	+ 82	+ ***86***	+ 82	+ 79	+ 70	+ 46	+ 36	- 1	- 28	- 34	- 29	- 64	- ***83***	- 58
May	- 51	- 44	- 28	- 19	- 27	- 5	+ 17	+ 38	+ 55	+ 67	+ ***83***	+ 74	+ 52	+ 58	+ 55	+ 42	+ 10	- 17	- 41	- 57	- 55	- 72	- ***74***	- 67
June	- 31	- 37	- 32	- 26	- 13	+ 4	+ 19	+ 65	+ 76	+ ***109***	+104	+ 74	+ 47	+ 33	+ 32	+ 7	- 30	- 55	- ***70***	- 65	- 65	- 58	- 54	- 37
July	- 64	- 69	- 47	- 33	- 40	- 20	+ 24	+ 53	+111	+ ***135***	+130	+107	+ 63	+ 42	+ 21	+ 2	- 11	- 34	- 41	- 59	- 66	- 69	- ***73***	- 56
August	- 73	- 68	- 77	- 66	- 47	- 10	+ 27	+ 73	+122	+ ***158***	+126	+ 81	+ 48	+ 24	+ 19	+ 33	+ 25	+ 5	- 21	- 56	- 81	- 75	- ***83***	- 79
September	- 64	- 51	- 39	- 52	- 56	- 49	- 14	+ 53	+ 64	+ 88	+ ***102***	+ 65	+ 40	+ 9	+ 28	+ 42	+ 38	+ 10	+ 19	- 14	- 42	- 60	- 55	- ***70***
October	- 40	- 49	- 56	- 45	- 57	- ***63***	- 60	- 41	- 3	+ 53	+ 72	+ 62	+ 62	+ 59	+ 59	+ ***82***	+ 57	+ 33	+ 8	- 5	- 2	- 43	- 39	- 41
November	- 17	- 8	- 28	- 41	- 59	- 62	- ***68***	- 50	- 23	- 1	+ 38	+ 54	+ 61	+ ***62***	+ 42	+ 40	+ 36	+ 19	+ 18	+ 26	+ 3	- 20	- 10	- 14
December	+ 14	+ 27	+ 15	+ 7	- 7	- 27	- 45	- ***51***	- 44	- 32	- 17	- 14	- 17	+ 6	+ 13	+ 9	+ 7	+ 11	+ 21	+ ***38***	+ 24	+ 21	+ 18	+ 18
Year	- 35	- 31	- 32	- 30	- 37	- 36	- 28	- 1	+ 26	+ 53	+ ***65***	+ 55	+ 42	+ 34	+ 35	+ 36	+ 29	+ 10	- 4	- 12	- 24	- 39	- ***41***	- 37
Winter	- 5	+ 1	- 7	- 14	- 33	- 48	- ***63***	- 55	- 35	- 18	+ 7	+ 14	+ 16	+ 19	+ 25	+ 36	+ ***41***	+ 29	+ 26	+ 37	+ 20	+ 4	+ 1	- 1
Equinox	- 45	- 42	- 43	- 39	- 46	- 53	- 41	- 6	+ 21	+ 59	+ ***78***	+ 69	+ 57	+ 44	+ 47	+ 51	+ 48	+ 24	+ 8	- 12	- 24	- 52	- ***53***	- 49
Summer	- 55	- 55	- 46	- 36	- 32	- 8	+ 22	+ 57	+ 91	+ ***117***	+111	+ 84	+ 52	+ 39	+ 32	+ 21	- 1	- 25	- 43	- 59	- 67	- 69	- ***71***	- 60

HORIZONTAL INTENSITY (Unit 0.1γ)

January	+ 7	- 13	+ 4	+ 17	+ 62	+ 82	+ ***103***	+ 87	+ 66	+ 26	- 44	- 54	- 36	- 13	- 33	- ***75***	- 57	- 39	- 26	- 43	- 40	- 6	+ 17	+ 1
February	+ 6	+ 6	- 7	- 14	+ 6	+ 50	+ ***70***	+ 51	+ 1	- 7	- 10	- 22	- 28	- 11	- 16	- 32	- ***62***	- 28	+ 4	- 11	+ 19	+ 25	+ 7	+ 16
March	+ 39	+ 25	+ 44	+ 29	+ 21	+ 47	+ 60	+ 37	- 3	- 80	-117	- ***134***	-101	- 59	- 30	- 14	- 27	- 24	+ 6	+ 40	+ 73	+ ***80***	+ 57	+ 37
April	+ 60	+ 47	+ 37	+ 16	+ 44	+ 65	+ 49	+ 3	- 63	-122	-170	- ***190***	-178	-147	-102	- 40	- 7	+ 56	+ 97	+101	+ 87	+128	+ ***140***	+ 88
May	+ 66	+ 51	+ 26	+ 19	+ 39	0	- 31	- 68	-103	-135	- ***178***	-174	-132	-110	- 78	- 30	+ 34	+ 85	+126	+ ***141***	+123	+127	+114	+ 96
June	+ 51	+ 53	+ 45	+ 37	+ 23	- 6	- 34	-105	-132	-196	- ***201***	-171	-127	- 88	- 63	0	+ 72	+126	+ ***157***	+155	+141	+113	+ 94	+ 62
July	+ 90	+ 84	+ 49	+ 27	+ 49	+ 20	- 47	- 91	-184	-231	- ***235***	-214	-140	- 94	- 36	+ 26	+ 61	+108	+122	+ ***144***	+141	+130	+121	+ 89
August	+ 91	+ 77	+ 80	+ 67	+ 49	- 6	- 52	-115	-197	- ***263***	-229	-165	-109	- 52	- 16	- 1	+ 22	+ 58	+ 92	+138	+ ***158***	+132	+130	+106
September	+ 67	+ 42	+ 23	+ 43	+ 67	+ 58	+ 11	- 91	-111	-157	- ***194***	-140	- 92	- 20	- 20	- 13	+ 5	+ 46	+ 28	+ 70	+ 97	+ ***110***	+ 87	+ 95
October	+ 44	+ 50	+ 60	+ 42	+ 63	+ ***80***	+ 73	+ 52	- 5	- 98	- ***135***	-122	-113	- 92	- 74	- 81	- 33	- 2	+ 30	+ 40	+ 28	+ 80	+ 58	+ 49
November	+ 18	0	+ 30	+ 43	+ 72	+ 78	+ ***83***	+ 59	+ 19	- 20	- 82	- ***100***	- 97	- 79	- 39	- 34	- 25	- 3	0	- 13	+ 19	+ 40	+ 16	+ 19
December	- 22	- ***46***	- 27	- 16	+ 6	+ 37	+ 58	+ ***66***	+ 56	+ 37	+ 13	+ 8	+ 12	- 13	- 15	- 8	+ 2	- 6	- 17	- 39	- 18	- 18	- 19	- 25
Year	+ 43	+ 31	+ 30	+ 26	+ 42	+ 42	+ 29	- 10	- 55	-104	- ***132***	-123	- 95	- 65	- 44	- 25	- 1	+ 31	+ 52	+ 60	+ 69	+ ***78***	+ 69	+ 53
Winter	+ 2	- 13	0	+ 8	+ 37	+ 62	+ ***79***	+ 66	+ 36	+ 9	- 31	- ***42***	- 37	- 29	- 26	- 37	- 36	- 19	- 10	- 27	- 5	+ 10	+ 5	+ 3
Equinox	+ 53	+ 41	+ 41	+ 33	+ 49	+ 63	+ 48	0	- 46	-114	- ***154***	-147	-121	- 80	- 57	- 37	- 16	+ 19	+ 40	+ 63	+ 71	+ ***100***	+ 86	+ 67
Summer	+ 75	+ 66	+ 50	+ 38	+ 40	+ 2	- 41	- 95	-154	-206	- ***211***	-181	-127	- 86	- 48	- 1	+ 47	+ 94	+124	+ ***145***	+141	+126	+115	+ 88

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

All Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1953	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	+18	-3	+14	+23	+67	+85	***+103***	+87	+61	+16	-58	-75	-63	-35	-50	***-83***	-61	-42	-16	-29	-24	+9	+33	+17
February	+16	+16	+6	-1	+18	+60	***+74***	+53	-1	-11	-19	-42	-56	-40	-40	-49	***-70***	-31	+8	0	+28	+42	+27	+29
March	+51	+39	+56	+40	+34	+59	+66	***+44***	+5	-74	-122	***-159***	-140	-104	-71	-44	-41	-36	+14	+58	+96	***+105***	+77	+52
April	+71	+59	+51	+30	+57	+79	+66	+26	-38	-100	-165	-206	***-214***	-192	-144	-75	-31	+41	+92	+105	+93	+139	***+153***	+105
May	+86	+66	+40	+31	+54	+21	-4	-34	-72	-118	-180	***-199***	-174	-157	-123	-66	+7	+67	+121	***+141***	+126	+134	+129	+113
June	+60	+63	+59	+57	+46	+25	-1	-74	-103	-175	***-198***	-189	-160	-130	-107	-36	+41	+101	+141	***+150***	+141	+118	+105	+72
July	+103	+97	+60	+43	+71	+47	-20	-65	-155	-209	***-228***	-224	-168	-134	-82	-11	+30	+84	+107	+136	***+139***	+136	+131	+103
August	+101	+84	+90	+84	+68	+20	-22	-82	-169	***-251***	-240	-199	-158	-102	-60	-29	+5	+52	+92	+144	***+173***	+143	+139	+113
September	+87	+59	+34	+57	+85	+70	+22	-79	-99	-153	***-207***	-177	-139	-65	-54	-33	-5	+45	+34	+81	+110	***+124***	+101	+112
October	+61	+61	+67	+44	+64	+82	+72	+55	+3	-89	-139	-143	***-148***	-129	-107	-99	-45	-7	+35	+51	+51	***+102***	+82	+70
November	+26	+6	+31	+43	+72	***+79***	***+79***	+58	+21	-18	-88	-117	***-123***	-104	-58	-46	-30	-3	+10	-1	+39	+62	+33	+34
December	-11	***-38***	-23	-13	+8	+38	+56	***+65***	+54	+34	+4	-6	-7	-31	-28	-19	-6	-10	-16	-30	-3	-3	+2	-10
Year	+56	+42	+40	+37	+54	+55	+41	+4	-41	-96	-137	***-144***	-129	-102	-77	-49	-17	+21	+52	+67	+82	***+92***	+85	+68
Winter	+12	-4	+7	+13	+42	+66	***+79***	+66	+34	+5	-41	-60	***-62***	-53	-44	-49	-43	-22	-4	-16	+10	+27	+24	+18
Equinox	+68	+54	+52	+43	+60	+73	+56	+11	-32	-104	-158	***-172***	-160	-124	-94	-63	-30	+10	+44	+74	+87	***+118***	+104	+85
Summer	+88	+77	+62	+54	+60	+28	-12	-64	-125	-188	***-212***	-203	-165	-130	-93	-35	+20	+76	+115	+143	***+145***	+133	+126	+100

WEST COMPONENT (Unit 0.1γ)

January	-69	-67	-60	-34	-30	-14	+6	+7	+39	+67	+84	+127	***+167***	+141	+103	+46	+23	+16	-64	-95	-102	-97	***-102***	-99
February	-65	-61	-80	-84	-74	-59	-21	-8	+11	+27	+59	+126	+178	***+186***	+152	+104	+47	+18	-24	-68	-55	-108	***-124***	-80
March	-74	-84	-72	-68	-81	-75	-32	-42	-54	-45	+23	+147	+241	***+280***	+260	+190	+86	+75	-50	-112	-141	***-149***	-120	-95
April	-64	-70	-84	-86	-79	-87	-101	-147	***-163***	-145	-47	+89	+212	***+275***	+258	+219	+155	+101	+42	-18	-33	-57	-74	-99
May	-119	-94	-87	-75	-92	-132	-176	***-219***	-204	-120	+2	+142	+258	***+290***	+277	+224	+176	+119	+42	+11	-9	-33	-84	-101
June	-50	-57	-83	-126	-145	-198	***-212***	-208	-192	-148	-35	+104	+199	+260	***+272***	+227	+205	+168	+112	+44	+13	-23	-62	-60
July	-75	-74	-69	-97	-133	-170	-175	-175	***-198***	-155	-61	+47	+169	+247	***+288***	+240	+203	+160	+105	+60	+21	-30	-54	-80
August	-56	-39	-58	-103	-116	-164	-193	***-217***	-192	-97	+55	+200	+301	***+312***	+278	+177	+110	+40	+5	-25	-83	-59	-44	-38
September	***-121***	-102	-70	-87	-110	-69	-69	-83	-88	-40	+68	+223	***+288***	+286	+216	+128	+61	+12	-39	-63	-72	-78	-83	-99
October	-106	-64	-42	-7	-3	-5	+12	-16	-52	-65	+13	+121	+211	***+237***	+201	+108	+71	+34	-31	-66	-143	-134	***-148***	-130
November	-49	-39	-6	+4	+3	0	+34	+14	-9	-16	+33	+97	***+157***	+153	+120	+76	+33	0	-61	-77	-128	***-136***	-108	-92
December	-73	-54	-30	-18	-9	-1	+15	+12	+16	+24	+61	+90	***+122***	+116	+80	+71	+52	+27	-7	-61	-99	-98	***-136***	-97
Year	-77	-67	-62	-65	-62	-81	-76	-90	-91	-60	+21	+126	+209	***+232***	+209	+151	+101	+64	+3	-40	-69	-84	***-95***	-90
Winter	-64	-55	-44	-33	-28	-18	+9	+6	+14	+26	+59	+110	***+156***	+149	+114	+74	+38	+15	-39	-76	-96	-110	***-118***	-92
Equinox	-91	-80	-67	-62	-69	-59	-48	-72	-89	-74	+14	+145	+238	***+270***	+233	+161	+93	+56	-20	-65	-97	-105	***-106***	***-106***
Summer	-75	-66	-74	-100	-122	-166	-189	***-205***	-196	-130	-10	+124	+232	+277	***+279***	+217	+173	+122	+66	+23	-15	-36	-61	-70

VERTICAL COMPONENT (Unit 0.1γ)

January	-19	-29	-34	-41	-43	-37	-43	-43	-50	***-54***	***-54***	-45	-26	+2	+33	+53	+74	+69	***+82***	+71	+67	+45	+18	-3
February	-16	-33	-29	-28	-23	-16	-33	-42	-37	-41	-57	***-76***	-59	-29	+6	+33	+70	+79	***+87***	+83	+69	+49	+26	+9
March	-24	-43	-47	-62	-59	-47	-39	-24	-34	-62	-83	***-102***	-83	-36	+29	+82	***+144***	+133	+125	+107	+79	+41	+15	-1
April	-7	-21	-29	-31	-34	-32	-25	-17	-44	-75	-111	***-141***	-128	-67	+6	+66	+109	***+126***	***+126***	+117	+101	+75	+36	+4
May	-24	-35	-37	-23	-3	-17	-14	-25	-48	-81	-126	***-148***	-127	-54	+9	+75	+115	+139	***+149***	+129	+93	+46	+7	-10
June	+12	-5	-12	-6	+7	-1	-12	-18	-41	-76	-107	***-140***	-132	-91	-35	+23	+63	+103	+121	***+135***	+101	+61	+32	+15
July	-15	-45	-48	-50	-24	-26	-26	-27	-42	-68	-95	***-124***	-105	-74	-9	+66	+104	+132	***+140***	+130	+97	+61	+28	+13
August	-42	-58	-80	-73	-49	-48	-26	-15	-33	-61	-94	***-103***	-86	-39	+29	+112	+139	***+150***	+142	+124	+85	+45	+14	-29
September	-65	-79	-83	-79	-38	-34	-23	-26	-35	-60	-95	***-99***	-74	-14	+49	+115	***+144***	+142	+129	+115	+80	+47	+10	-24
October	-36	-55	-54	-58	-53	-34	-39	-21	-23	-44	-63	***-68***	-46	-9	+34	+95	***+122***	+110	+98	+76	+59	+35	-1	-30
November	-18	-28	-29	-42	-39	-33	-42	-38	-37	-50	***-57***	-44	-13	+32	+55	+58	***+67***	+60	+63	+59	+56	+24	+3	-3
December	-2	-13	-9	-12	-11	-8	-22	-24	-23	-26	-29	-29	***-31***	-11	+9	+11	+30	+25	+33	***+41***	***+41***	+31	+18	+5
Year	-21	-37	-41	-42	-31	-28	-29	-27	-37	-58	-81	***-93***	-76	-33	+18	+66	+98	+106	***+108***	+99	+77	+47	+17	-5
Winter	-14	-26	-25	-31	-29	-24	-35	-37	-37	-43	***-49***	***-49***	-32	-2	+26	+39	+60	+58	***+66***	+64	+58	+37	+16	+2
Equinox	-33	-50	-53	-58	-46	-37	-32	-22	-34	-60	-88	***-103***	-83	-32	+30	+90	***+130***	+128	+120	+104	+80	+50	+15	-13
Summer	-17	-36	-44	-38	-17	-23	-20	-21	-41	-72	-106	***-129***	-113	-65	-2	+69	+105	+131	***+138***	+130	+94	+53	+20	-3

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, 1953	Universal Time. Hour commencing																								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
January	- 97	- 19	- 3	- 59	- 55	- 49	- 49	- 73	- 47	- 19	+ 39	+121	+215	+165	+ 95	+ 91	+ 87	+109	+ 73	+ 23	- 41	-107	-237	-157
February	- 94	- 64	- 48	- 44	- 58	- 88	- 72	- 86	- 72	- 50	+ 14	+150	+236	+252	+178	+106	+ 88	+ 96	+ 44	- 18	- 28	-174	-170	-102
March	-157	-135	-127	-133	-157	-167	-127	-195	-271	-253	-111	+175	+409	+479	+415	+313	+147	+123	+ 77	- 11	- 11	- 69	- 91	-115
April	-142	-152	-200	-226	-244	-200	-232	-276	-274	-212	- 6	+260	+458	+524	+458	+360	+222	+156	+ 74	- 32	- 16	- 68	- 98	-128
May	- 30	- 62	- 64	- 92	-172	-266	-380	-466	-466	-330	- 80	+208	+450	+540	+464	+322	+230	+156	+ 80	+ 66	- 4	- 44	- 18	- 34
June	- 93	-125	- 97	-185	-291	-369	-405	-393	-363	-241	- 63	+227	+399	+437	+447	+357	+287	+253	+135	+ 95	+ 79	+ 21	- 13	- 97
July	- 47	- 27	- 97	-143	-265	-341	-359	-385	-379	-263	- 85	+109	+311	+437	+475	+409	+301	+193	+ 83	+ 57	+ 65	+ 25	- 35	- 41
August	- 79	-111	-149	-185	-263	-325	-401	-403	-365	-173	+ 91	+357	+511	+513	+401	+257	+115	+ 51	+ 39	+ 79	+ 61	- 1	+ 13	- 31
September	- 79	-113	- 95	-159	-197	-173	-225	-299	-301	-259	- 17	+267	+457	+479	+391	+247	+141	+131	+ 49	+ 17	+ 15	- 33	-125	-113
October	-174	-162	-132	-120	-126	-122	-116	-200	-256	-236	- 96	+188	+408	+468	+378	+256	+134	+142	+134	- 8	- 58	- 74	-116	-108
November	-170	-106	- 66	- 38	- 62	- 44	- 30	- 80	-100	- 86	+ 8	+150	+248	+254	+178	+112	+ 62	+ 82	+ 66	+ 8	- 26	- 78	-118	-160
December	-117	- 71	- 51	- 37	- 51	- 51	- 41	- 31	- 13	+ 17	+111	+139	+181	+145	+ 63	+ 59	+ 43	+ 75	- 11	- 11	- 41	- 75	-107	-127
Year	-107	- 96	- 94	-118	-162	-183	-203	-241	-242	-175	- 16	+196	+357	+391	+329	+241	+155	+131	+ 70	+ 22	0	- 56	- 93	-101
Winter	-120	- 65	- 42	- 45	- 57	- 58	- 48	- 68	- 58	- 35	+ 43	+140	+220	+204	+129	+ 92	+ 70	+ 91	+ 43	+ 1	- 34	-109	-158	-137
Equinox	-138	-141	-139	-160	-181	-166	-175	-243	-276	-240	- 58	+223	+433	+488	+411	+294	+161	+138	+ 84	- 9	- 18	- 61	-108	-116
Summer	- 62	- 81	-102	-151	-248	-325	-386	-412	-393	-252	- 34	+225	+418	+482	+447	+336	+233	+163	+ 84	+ 74	+ 50	0	- 13	- 51

INCLINATION (Unit 0.01)

January	+ 62	+ 52	+ 33	+ 17	+ 10	- 4	- 16	- 25	- 29	- 17	+ 3	- 11	- 33	- 35	- 11	+ 12	+ 3	- 8	- 8	- 4	+ 12	+ 11	- 17	+ 5
February	+ 28	+ 19	+ 13	+ 4	- 1	- 11	- 22	- 34	- 22	0	+ 4	+ 5	- 7	- 9	- 8	0	+ 16	+ 2	+ 1	- 6	+ 4	+ 2	+ 4	+ 15
March	+ 33	+ 2	+ 40	+ 11	+ 1	- 9	- 21	- 5	+ 29	+ 47	+ 65	+ 43	+ 8	- 4	- 14	- 14	- 8	- 18	- 29	- 36	- 36	- 32	- 26	- 31
April	- 27	- 3	+ 11	+ 3	+ 7	- 17	- 23	- 19	- 1	+ 47	+ 61	+ 61	+ 55	+ 36	+ 25	+ 8	+ 1	- 25	- 37	- 22	- 31	- 36	- 41	- 39
May	- 24	- 26	- 18	- 1	+ 1	+ 10	+ 26	+ 49	+ 74	+ 93	+ 77	+ 63	+ 41	+ 9	+ 4	- 10	- 29	- 41	- 36	- 58	- 47	- 52	- 55	- 55
June	- 3	- 1	- 2	- 7	+ 2	+ 17	+ 39	+ 72	+ 80	+ 89	+ 66	+ 19	+ 13	+ 6	- 9	- 29	- 18	- 38	- 46	- 51	- 63	- 50	- 48	- 32
July	- 20	- 35	- 31	- 25	- 6	+ 5	+ 32	+ 78	+ 128	+ 120	+ 88	+ 56	+ 31	+ 25	- 9	- 15	- 19	- 45	- 60	- 65	- 66	- 57	- 59	- 41
August	- 32	- 24	- 7	- 8	+ 4	0	+ 23	+ 74	+ 115	+ 108	+ 76	+ 34	+ 8	+ 14	+ 24	+ 13	- 3	- 35	- 62	- 79	- 76	- 60	- 55	- 47
September	- 5	- 7	- 1	- 3	- 29	- 43	- 44	- 1	+ 21	+ 66	+ 77	+ 56	+ 24	- 5	- 10	- 6	- 17	- 14	+ 28	0	- 34	- 28	- 12	- 19
October	- 14	- 11	- 2	- 7	- 6	- 9	- 19	- 16	+ 8	+ 39	+ 73	+ 64	+ 41	+ 8	+ 5	+ 7	+ 18	- 20	- 30	- 22	- 16	- 31	- 38	- 29
November	+ 25	+ 34	+ 26	+ 14	- 3	- 20	- 37	- 32	- 28	- 10	+ 20	+ 25	+ 27	+ 29	+ 20	+ 8	- 2	- 29	- 29	- 33	- 21	- 2	+ 9	+ 12
December	+ 38	+ 36	+ 26	+ 21	+ 12	- 1	- 22	- 33	- 31	- 22	- 10	- 11	- 20	- 7	- 3	- 2	- 16	- 16	+ 7	+ 19	+ 13	+ 4	+ 6	+ 14
Year	+ 5	+ 3	+ 8	+ 2	- 1	- 7	- 7	+ 9	+ 29	+ 47	+ 50	+ 34	+ 16	+ 5	+ 1	- 3	- 6	- 24	- 25	- 30	- 30	- 27	- 27	- 20
Winter	+ 38	+ 35	+ 24	+ 14	+ 4	- 9	- 25	- 31	- 28	- 12	+ 4	+ 2	- 9	- 5	0	+ 4	0	- 13	- 7	- 6	+ 2	+ 4	0	+ 12
Equinox	- 4	- 5	+ 12	+ 1	- 6	- 19	- 27	- 10	+ 15	+ 50	+ 69	+ 56	+ 32	+ 9	+ 1	- 1	- 2	- 20	- 17	- 20	- 29	- 32	- 29	- 30
Summer	- 20	- 21	- 15	- 11	0	+ 8	+ 30	+ 68	+ 99	+ 103	+ 77	+ 43	+ 24	+ 13	+ 2	- 11	- 17	- 40	- 51	- 63	- 63	- 55	- 55	- 44

HORIZONTAL INTENSITY (Unit 0.1γ)

January	- 81	- 73	- 53	- 29	- 13	+ 11	+ 25	+ 33	+ 35	+ 17	- 17	- 3	+ 31	+ 43	+ 17	- 11	+ 7	+ 23	+ 23	+ 17	- 9	- 11	+ 29	- 15
February	- 33	- 19	- 11	+ 3	+ 11	+ 25	+ 37	+ 45	+ 31	- 7	- 25	- 35	- 19	- 13	+ 1	- 1	- 15	+ 5	+ 11	+ 23	+ 7	+ 7	+ 1	- 19
March	- 33	+ 5	- 51	- 13	+ 3	+ 17	+ 33	+ 15	- 37	- 77	-121	-109	- 57	- 27	+ 7	+ 23	+ 33	+ 43	+ 51	+ 65	+ 67	+ 57	+ 53	+ 55
April	+ 45	+ 9	- 15	- 3	- 7	+ 33	+ 41	+ 33	- 13	-101	-139	-153	-139	- 87	- 47	+ 3	+ 27	+ 69	+ 91	+ 65	+ 77	+ 75	+ 77	+ 63
May	+ 42	+ 46	+ 32	+ 12	+ 20	+ 4	- 20	- 60	-112	-160	-162	-156	-116	- 42	- 14	+ 22	+ 58	+ 78	+ 76	+106	+ 86	+ 90	+ 88	+ 88
June	+ 16	+ 12	+ 14	+ 22	+ 16	- 12	- 52	-102	-126	-160	-142	- 96	- 84	- 58	- 12	+ 48	+ 48	+ 86	+102	+112	+122	+ 96	+ 86	+ 58
July	+ 41	+ 59	+ 47	+ 43	+ 31	+ 17	- 29	-107	-193	-201	-183	-147	-109	- 85	- 17	+ 27	+ 53	+105	+129	+127	+117	+101	+ 99	+ 67
August	+ 48	+ 36	+ 10	+ 14	+ 10	+ 14	- 16	- 94	-168	-178	-154	- 98	- 54	- 48	- 50	- 2	+ 30	+ 72	+106	+128	+122	+ 98	+ 90	+ 76
September	+ 23	+ 21	+ 11	+ 13	+ 59	+ 71	+ 71	+ 5	- 43	-131	-165	-149	- 93	- 27	+ 3	+ 15	+ 45	+ 41	- 17	+ 33	+ 79	+ 63	+ 35	+ 45
October	+ 31	+ 23	+ 9	+ 13	+ 13	+ 23	+ 29	+ 27	- 13	- 71	-139	-139	- 99	- 43	- 23	- 5	- 7	+ 47	+ 59	+ 49	+ 45	+ 63	+ 67	+ 51
November	- 39	- 47	- 33	- 17	+ 7	+ 35	+ 49	+ 41	+ 33	- 1	- 55	- 59	- 55	- 45	- 21	- 3	+ 15	+ 51	+ 51	+ 57	+ 39	+ 11	- 5	- 13
December	- 52	- 58	- 40	- 34	- 22	+ 2	+ 28	+ 42	+ 40	+ 30	+ 10	+ 6	+ 22	+ 8	+ 8	+ 2	+ 34	+ 28	- 6	- 16	- 8	+ 2	- 4	- 20
Year	+ 1	+ 1	- 7	+ 2	+ 11	+ 20	+ 16	- 10	- 47	- 87	-108	- 95	- 64	- 35	- 12	+ 10	+ 27	+ 54	+ 56	+ 64	+ 62	+ 54	+ 51	+ 36
Winter	- 51	- 49	- 34	- 19	- 4	+ 18	+ 35	+ 40	+ 35	+ 10	- 22	- 23	- 5	- 2	+ 1	- 3	+ 10	+ 27	+ 20	+ 20	+ 7	+ 2	+ 5	- 17
Equinox	+ 17	+ 15	- 12	+ 3	+ 17	+ 36	+ 44	+ 20	- 27	- 95	-141	-138	- 97	- 46	- 15	+ 9	+ 25	+ 50	+ 46	+ 53	+ 67	+ 65	+ 58	+ 54
Summer	+ 37	+ 38	+ 26	+ 23	+ 19	+ 6	- 29	- 91	-150	-175	-160	-124	- 91	- 58	- 23	+ 24	+ 47	+ 85	+103	+118	+112	+ 96	+ 91	+ 72

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

International Quiet Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1953	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	− ***72***	− 71	− 52	− 24	− 8	+ 15	+ 29	+ 39	+ 39	+ 18	− 20	− 13	+ 12	+ 29	+ 9	− 19	0	+ 13	+ 17	+ 15	− 5	− 2	+ ***49***	− 2
February	− 25	− 13	− 7	+ 7	+ 16	+ 32	+ 43	+ ***52***	+ 37	− 3	− 26	− ***47***	− 39	− 34	− 14	− 10	− 22	− 3	+ 7	+ 24	+ 9	+ 22	+ 15	− 10
March	− 19	+ 16	− 40	− 2	+ 16	+ 31	+ 43	+ 31	− 14	− 55	− 110	− ***123***	− 91	− 67	− 28	− 4	+ 20	+ 32	+ 44	+ 65	+ ***67***	+ 62	+ 60	+ 64
April	+ 56	+ 22	+ 2	+ 16	+ 14	+ 50	+ 60	+ 56	+ 10	− 82	− 137	− 173	− ***176***	− 130	− 85	− 28	+ 8	+ 55	+ 84	+ 67	+ 77	+ 80	+ ***84***	+ 73
May	+ 44	+ 51	+ 37	+ 20	+ 34	+ 26	+ 12	− 20	− 71	− 130	− 153	− ***172***	− 153	− 87	− 53	− 6	+ 38	+ 64	+ 68	+ ***99***	+ 85	+ 93	+ 88	+ 90
June	+ 24	+ 22	+ 22	+ 37	+ 40	+ 19	− 17	− 67	− 94	− ***138***	− 135	− 114	− 117	− 94	− 50	+ 17	+ 23	+ 64	+ 89	+ 103	+ ***114***	+ 93	+ 86	+ 66
July	+ 44	+ 61	+ 55	+ 55	+ 53	+ 46	+ 2	− 73	− 159	− ***176***	− 174	− 154	− 134	− 121	− 57	− 8	+ 27	+ 87	+ 120	+ ***121***	+ 110	+ 98	+ 101	+ 70
August	+ 54	+ 45	+ 23	+ 30	+ 32	+ 41	+ 18	− 59	− 135	− ***161***	− 160	− 127	− 97	− 91	− 83	− 24	+ 20	+ 67	+ 101	+ ***120***	+ 115	+ 97	+ 88	+ 78
September	+ 29	+ 30	+ 19	+ 26	+ 75	+ 85	+ ***89***	+ 30	− 17	− 107	− 162	− ***170***	− 131	− 67	− 30	− 6	+ 33	+ 29	− 21	+ 31	+ 77	+ 65	+ 45	+ 54
October	+ 45	+ 36	+ 20	+ 23	+ 24	+ 33	+ 38	+ 44	+ 9	− 50	− 129	− ***153***	− 132	− 82	− 55	− 27	− 18	+ 34	+ 47	+ 49	+ 49	+ 69	+ ***76***	+ 60
November	− 24	− 37	− 27	− 14	+ 12	+ 38	+ 51	+ 47	+ 41	+ 6	− 55	− 71	− ***75***	− 66	− 36	− 12	+ 10	+ 43	+ 45	+ ***56***	+ 41	+ 17	+ 5	+ 1
December	− 41	− ***51***	− 35	− 30	− 17	+ 6	+ 31	+ ***44***	+ 41	+ 28	0	− 6	+ 6	− 4	+ 3	− 3	+ 30	+ 21	− 5	− 15	− 4	+ 8	+ 5	− 9
Year	+ 10	+ 9	+ 1	+ 12	+ 25	+ 35	+ 33	+ 11	− 26	− 71	− 105	− ***110***	− 93	− 68	− 40	− 11	+ 14	+ 42	+ 49	+ ***61***	+ ***61***	+ 58	+ 58	+ 44
Winter	− 40	− ***43***	− 30	− 15	+ 1	+ 23	+ 39	+ ***45***	+ 39	+ 13	− 25	− 35	− 24	− 19	− 10	− 11	+ 4	+ 19	+ 16	+ 20	+ 10	+ 11	+ 18	− 5
Equinox	+ 28	+ 27	0	+ 17	+ 32	+ 50	+ 58	+ 40	− 3	− 74	− 134	− ***155***	− 133	− 87	− 50	− 16	+ 11	+ 38	+ 38	+ 53	+ 68	+ ***69***	+ 66	+ 63
Summer	+ 42	+ 44	+ 34	+ 36	+ 40	+ 33	+ 4	− 55	− 115	− 152	− ***155***	− 142	− 125	− 98	− 61	− 5	+ 27	+ 70	+ 95	+ ***110***	+ 106	+ 95	+ 91	+ 75

WEST COMPONENT (Unit 0.1γ)

January	− 65	− 22	− 10	− 36	− 32	− 25	− 22	− 34	− 20	− 8	+ 18	+ 65	+ ***120***	+ 95	+ 54	+ 47	+ 48	+ 62	+ 43	+ 15	− 23	− 59	− ***123***	− 87
February	− 56	− 37	− 28	− 23	− 29	− 43	− 33	− 39	− 34	− 28	+ 4	+ 75	+ 124	+ ***133***	+ 96	+ 57	+ 45	+ 52	+ 25	− 6	− 14	− ***92***	− 91	− 58
March	− 89	− 72	− 76	− 73	− 84	− 87	− 63	− 102	− ***151***	− 148	− 79	+ 77	+ 211	+ ***253***	+ 224	+ 172	+ 84	+ 73	+ 49	+ 4	+ 5	− 28	− 41	− 53
April	− 69	− 80	− 110	− 122	− 132	− 102	− 118	− 143	− ***149***	− 130	− 25	+ 116	+ 224	+ ***268***	+ 239	+ 194	+ 123	+ 95	+ 54	− 7	+ 3	− 25	− 41	− 59
May	− 10	− 26	− 29	− 48	− 89	− 142	− 207	− 260	− ***268***	− 202	− 68	+ 87	+ 224	+ ***284***	+ 247	+ 176	+ 133	+ 96	+ 55	+ 52	+ 11	− 10	+ 4	− 5
June	− 47	− 65	− 50	− 96	− 154	− 200	− 226	− ***227***	− 215	− 154	− 56	+ 107	+ 201	+ 226	+ ***238***	+ 199	+ 162	+ 149	+ 88	+ 69	+ 61	+ 26	+ 6	− 43
July	− 19	− 5	− 45	− 70	− 138	− 181	− 197	− 224	− ***234***	− 173	− 74	+ 36	+ 150	+ 221	+ ***253***	+ 224	+ 170	+ 120	+ 65	+ 50	+ 53	+ 29	− 3	− 12
August	− 35	− 54	− 78	− 97	− 140	− 172	− 218	− ***231***	− 222	− 121	+ 25	+ 176	+ 266	+ ***268***	+ 208	+ 138	+ 66	+ 39	+ 37	+ 62	+ 52	+ 15	+ 21	− 5
September	− 39	− 57	− 49	− 83	− 97	− 82	− 110	− 160	− ***168***	− 160	− 35	+ 120	+ 231	+ ***253***	+ 211	+ 135	+ 83	+ 77	+ 24	+ 14	+ 20	− 8	− 62	− 54
October	− 89	− 83	− 70	− 62	− 66	− 62	− 58	− 103	− ***140***	− 138	− 73	+ 79	+ 204	+ ***245***	+ 199	+ 137	+ 71	+ 84	+ 81	+ 3	− 24	− 30	− 52	− 50
November	− ***97***	− 64	− 41	− 23	− 32	− 18	− 9	− 37	− 49	− 46	− 4	+ 71	+ 125	+ ***129***	+ 92	+ 60	+ 36	+ 52	+ 43	+ 13	− 8	− 40	− 64	− 88
December	− ***71***	− 47	− 34	− 25	− 31	− 27	− 18	− 10	− 1	+ 14	+ 61	+ 76	+ ***101***	+ 79	+ 35	+ 32	+ 28	+ 45	− 7	− 8	− 23	− 40	− 58	− ***71***
Year	− 57	− 51	− 52	− 63	− 85	− 95	− 107	− 131	− ***137***	− 108	− 25	+ 90	+ 182	+ ***205***	+ 175	+ 131	+ 87	+ 79	+ 46	+ 22	+ 10	− 22	− 42	− 49
Winter	− 72	− 43	− 28	− 27	− 31	− 28	− 20	− 30	− 26	− 17	+ 20	+ 72	+ ***117***	+ 109	+ 69	+ 49	+ 39	+ 53	+ 26	+ 4	− 17	− 58	− ***84***	− 76
Equinox	− 71	− 73	− 77	− 85	− 95	− 84	− 87	− 127	− ***152***	− 144	− 53	+ 98	+ 217	+ ***255***	+ 218	+ 159	+ 90	+ 82	+ 52	+ 3	+ 1	− 23	− 49	− 54
Summer	− 28	− 38	− 51	− 78	− 130	− 174	− 212	− ***236***	− 235	− 163	− 43	+ 102	+ 210	+ ***250***	+ 237	+ 184	+ 132	+ 101	+ 61	+ 58	+ 44	+ 15	+ 7	− 16

VERTICAL COMPONENT (Unit 0.1γ)

January	+ 27	+ 11	− 7	− 9	+ 5	+ 11	+ 1	− 9	− 21	− 19	− 29	− ***45***	− 43	− 21	+ 3	+ 15	+ 25	+ 25	+ ***27***	+ 25	+ 19	+ 13	+ 7	− 19
February	+ 19	+ 23	+ 21	+ 21	+ 21	+ 21	+ 9	− 13	− 3	− 15	− 45	− 65	− ***69***	− 61	− 25	− 3	+ 21	+ 17	+ 29	+ ***31***	+ 29	+ 23	+ 15	+ 7
March	+ 39	+ 17	+ 19	+ 9	+ 11	+ 9	+ 5	+ 17	+ 13	− 15	− 55	− ***103***	− ***103***	− 77	− 33	+ 5	+ ***49***	+ 37	+ 17	+ 27	+ 31	+ 21	+ 31	+ 21
April	+ 10	+ 12	+ 2	+ 2	+ 8	+ 18	+ 16	+ 12	− 32	− 70	− 112	− ***144***	− 130	− 76	− 22	+ 34	+ 66	+ 72	+ ***82***	+ 76	+ 70	+ 50	+ 38	+ 10
May	+ 15	+ 17	+ 11	+ 23	+ 49	+ 43	+ 45	+ 31	− 3	− 47	− 109	− ***143***	− 125	− 67	− 17	+ 17	+ 35	+ 39	+ ***51***	+ 43	+ 37	+ 27	+ 13	+ 15
June	+ 28	+ 24	+ 26	+ 26	+ 44	+ 30	+ 14	+ 12	− 16	− 64	− 102	− ***156***	− 150	− 112	− 58	+ 10	+ 50	+ 68	+ 78	+ ***82***	+ 66	+ 48	+ 34	+ 22
July	+ 24	+ 14	+ 2	+ 12	+ 50	+ 56	+ 44	+ 22	− 4	− 50	− 118	− ***148***	− 144	− 110	− 72	+ 10	+ 56	+ 88	+ ***90***	+ 70	+ 42	+ 36	+ 24	+ 12
August	0	+ 2	− 2	+ 4	+ 36	+ 32	+ 42	+ 40	+ 10	− 38	− 92	− ***108***	− 96	− 64	− 32	+ 40	+ ***58***	+ 46	+ 32	+ 22	+ 18	+ 18	+ 18	+ 12
September	+ 37	+ 23	+ 23	+ 19	+ 37	+ 15	+ 13	+ 9	− 27	− 75	− 115	− ***151***	− 131	− 79	− 29	+ 15	+ 45	+ 45	+ 57	+ ***75***	+ 65	+ 49	+ 39	+ 37
October	+ 23	+ 15	+ 13	+ 7	+ 11	+ 21	+ 3	+ 7	− 1	− 31	− 69	− ***101***	− 89	− 71	− 35	+ 13	+ 47	+ 39	+ 33	+ 37	+ ***49***	+ 39	+ 25	+ 19
November	− 5	+ 9	+ 13	+ 9	+ 5	+ 13	− 15	− 17	− 21	− 37	− ***57***	− 51	− 33	− 5	+ 21	+ 21	+ ***27***	+ 17	+ 19	+ 19	+ 17	+ 17	+ 21	+ 13
December	+ 10	− 8	− 2	− 6	− 8	0	− 12	− 16	− 16	− 8	− 12	− ***24***	− 20	− 6	+ 8	− 4	+ 24	+ 10	+ 12	+ ***28***	+ ***28***	+ 20	+ 10	+ 2
Year	+ 19	+ 13	+ 10	+ 10	+ 22	+ 22	+ 14	+ 8	− 10	− 39	− 76	− ***103***	− 94	− 62	− 24	+ 14	+ 42	+ 42	+ 44	+ ***45***	+ 39	+ 30	+ 23	+ 13
Winter	+ 13	+ 9	+ 6	+ 4	+ 6	+ 11	− 4	− 14	− 15	− 20	− 36	− ***46***	− 41	− 23	+ 2	+ 7	+ 24	+ 17	+ 22	+ ***26***	+ 23	+ 18	+ 13	+ 1
Equinox	+ 27	+ 17	+ 14	+ 9	+ 17	+ 16	+ 9	+ 11	− 12	− 48	− 88	− ***125***	− 113	− 76	− 30	+ 17	+ 52	+ 48	+ 47	+ ***54***	+ ***54***	+ 40	+ 33	+ 22
Summer	+ 17	+ 14	+ 9	+ 16	+ 45	+ 40	+ 36	+ 26	− 3	− 50	− 105	− ***139***	− 129	− 88	− 45	+ 19	+ 50	+ 60	+ ***63***	+ 54	+ 41	+ 32	+ 22	+ 15

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, 1953	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	-237	-137	- 75	+ 63	- 55	+ 11	+ 71	+ 79	+261	+297	+359	+445	***+479***	+443	+343	+121	-157	- 33	***-497***	-435	-365	-323	-301	-361
February	-100	-126	-180	-270	-306	- 72	+ 64	+172	+266	+320	+266	+390	***+560***	+488	+480	+370	+200	-122	-520	-492	-368	-460	***-524***	- 32
March	- 69	- 77	- 85	+ 13	-195	-285	- 39	+135	+319	+327	+349	+513	+645	***+663***	+637	+277	-115	+ 43	-815	***-1053***	-609	-359	-149	- 69
April	-138	-258	-310	- 74	+ 54	+ 12	- 70	-110	-110	-126	- 26	+188	+388	***+572***	+500	+410	+274	+162	-156	-242	-308	***-330***	-174	-140
May	-366	-252	-322	-296	-132	- 70	-228	-352	-278	-114	+116	+370	+658	+698	***+826***	+756	+646	+430	- 34	- 48	- 56	-278	***-864***	-820
June	- 17	-105	-253	***-401***	-383	-335	-285	-291	-231	-225	+ 13	+207	+377	+575	***+737***	+589	+529	+335	+185	- 51	-183	-221	-323	-253
July	-290	-264	-182	+ 92	-124	-118	-128	-260	***- 352***	-290	- 58	+162	+358	+548	***+686***	+386	+344	+244	+120	- 30	- 80	-172	-278	-306
August	-362	- 34	-226	***-478***	-370	-298	-250	-334	-246	+ 42	+422	+644	***+790***	+748	+752	+358	+212	- 14	-148	-428	-408	-246	-146	+ 14
September	***-820***	-680	-126	- 10	-162	+ 26	+106	+204	+ 2	+158	+358	+646	***+732***	+692	+482	+416	- 48	-234	-370	-312	- 72	-154	-374	-452
October	-211	- 79	+ 27	+119	+169	+137	+295	+267	+251	+181	+373	+507	***+581***	+525	+569	+257	+125	- 85	-505	-473	-861	***-939***	-705	-523
November	+ 80	+ 94	+134	+218	+158	+114	***+420***	+342	+212	+ 84	+170	+202	+340	+326	+190	+ 84	-146	-394	***-704***	-496	-678	-424	-212	-114
December	- 42	- 88	- 74	+ 14	+ 60	+102	+156	+ 76	+ 60	+ 20	+ 88	+212	+284	***+340***	+260	+186	+124	+ 4	-138	-358	-388	-334	***-394***	-178
Year	-214	-167	-139	- 84	-107	- 65	+ 9	- 6	+ 13	+ 56	+203	+374	+516	***+552***	+539	+351	+166	+ 28	-299	-368	-365	-353	***-370***	-270
Winter	- 75	- 64	- 49	+ 6	- 36	+ 39	+178	+167	+200	+180	+221	+312	***+416***	+399	+318	+190	+ 5	-136	***-465***	-445	-450	-385	-358	-171
Equinox	-310	-274	-124	+ 12	- 34	- 28	+ 73	+124	+116	+135	+264	+464	+587	***+613***	+547	+340	+ 59	- 29	-462	***-520***	-463	-446	-351	-296
Summer	-259	-164	-246	-271	-252	-205	-223	-309	-277	-147	+123	+346	+546	+642	***+750***	+522	+433	+249	+ 31	-139	-182	-229	***-403***	-341

INCLINATION (Unit 0.'01)

January	-127	- 48	-102	-103	-151	-176	***-217***	-150	- 65	- 12	+ 78	+ 87	+132	+104	+121	+137	***+144***	+105	+ 94	+115	+ 92	+ 27	- 63	- 13
February	***-106***	- 65	- 59	- 45	- 43	- 83	- 91	- 45	+ 70	+ 24	+ 27	+ 25	+ 61	+ 35	+ 37	+ 44	+ 99	***+107***	+ 20	+104	- 43	- 69	+ 61	- 64
March	- 92	- 87	***-155***	-131	- 97	- 99	- 99	- 45	- 24	+ 66	+118	+122	+128	+ 84	+103	+106	+125	***+136***	+106	+ 61	- 23	-108	-118	- 75
April	- 57	- 89	-109	- 73	-135	-129	- 80	+ 6	+ 95	+ 73	+118	+138	+129	+133	***+144***	+103	+121	+ 9	- 1	- 7	+ 18	***-162***	-156	- 80
May	- 97	- 93	-105	***-160***	-117	- 82	- 60	- 9	+ 32	+ 44	***+198***	+177	+ 95	+104	+116	+131	+ 71	+ 51	+ 20	- 22	- 12	-102	-110	- 72
June	-120	***-168***	-135	-129	- 54	- 19	- 21	+ 68	+ 50	+181	***+213***	+174	+ 75	+ 40	+ 93	+ 38	- 46	- 48	- 32	- 10	- 26	- 27	- 58	- 33
July	-120	-135	-132	- 78	***-182***	-123	- 5	- 32	+ 88	+224	***+241***	+211	+139	+ 84	+ 60	+ 66	+ 37	- 31	- 19	- 35	- 33	- 47	-120	- 63
August	-106	-155	***-236***	-208	-155	- 9	+ 68	+107	+167	***+235***	+180	+139	+ 97	+ 14	+ 52	+115	+153	+ 49	+ 72	- 53	- 49	- 65	-205	-207
September	***-177***	- 81	- 96	-145	-109	- 92	- 11	+ 67	+ 91	+111	***+193***	+102	+ 84	+ 30	+139	+149	+188	+ 37	+ 57	- 34	-118	-141	- 72	-171
October	-146	-202	***-260***	-171	-138	-131	- 97	- 49	- 8	+ 85	+116	+ 54	+109	+ 62	+107	***+264***	+242	+206	+117	+ 52	+ 1	- 96	- 24	- 92
November	- 87	- 78	-137	-186	***-235***	-154	-119	- 71	- 11	+ 13	+ 83	+135	+212	***+254***	+109	+ 91	+ 92	+ 88	+126	+ 92	- 36	- 64	- 75	- 43
December	- 38	- 5	- 14	- 27	- 65	- 79	- 99	***-104***	- 95	- 64	- 24	- 12	+ 9	+ 86	+ 55	+ 42	+ 19	+ 54	+ 77	***+126***	+ 57	+ 60	+ 29	+ 14
Year	-106	-100	***-128***	-121	-124	- 98	- 69	- 21	+ 33	+ 82	***+129***	+113	+106	+ 86	+ 95	+107	+104	+ 64	+ 53	+ 32	- 14	- 66	- 76	- 75
Winter	- 90	- 50	- 78	- 91	-124	-123	***-131***	- 93	- 25	- 10	+ 41	+ 59	+104	***+120***	+ 81	+ 78	+ 89	+ 88	+ 79	+110	+ 17	- 12	- 12	- 27
Equinox	-118	-114	***-155***	-130	-120	-112	- 72	- 5	+ 39	+ 83	+136	+104	+113	+ 77	+123	+155	***+169***	+ 97	+ 70	+ 18	- 30	-127	- 93	-104
Summer	-111	-138	***-152***	-144	-127	- 59	- 5	+ 34	+ 84	+171	***+208***	+176	+102	+ 51	+ 80	+ 87	+ 54	+ 5	+ 10	- 30	- 30	- 61	-124	- 94

HORIZONTAL INTENSITY (Unit 0.1γ)

January	+161	+ 47	+121	+109	+173	+217	***+267***	+167	+ 49	- 33	-159	-157	***-193***	-127	-125	-135	-133	- 87	- 59	-109	- 89	- 7	+ 91	+ 1
February	+ 98	+ 24	+ 26	- 2	+ 12	+ 84	+ 88	+ 16	***-140***	- 58	- 54	- 50	- 88	- 24	- 20	- 16	- 74	- 76	+ 62	- 74	+118	***+128***	- 80	+ 98
March	+ 69	+ 65	***+173***	+109	+ 55	+ 87	+ 95	+ 21	- 13	-149	***-209***	***-209***	-203	-101	- 73	- 43	- 21	- 67	- 37	- 13	+ 77	+159	+151	+ 75
April	+ 39	+ 93	+123	+ 55	+133	+125	+ 63	- 53	-181	-141	-219	***-257***	-233	-203	-169	- 71	- 85	+ 89	+103	+ 99	+ 49	***+291***	+235	+105
May	+122	+ 98	+ 96	***+172***	+116	+ 54	+ 32	- 36	- 86	-118	***-364***	-324	-180	-126	-104	- 82	+ 30	+ 76	+122	+142	+ 84	+148	+110	+ 26
June	+165	***+197***	+145	+141	+ 39	- 9	+ 1	-145	-117	-323	***-367***	-301	-155	- 83	-137	- 21	+137	+175	+159	+133	+119	+ 83	+ 99	+ 53
July	+155	+159	+143	+ 37	***+191***	+109	- 59	+ 5	-171	-381	***-397***	-361	-223	-123	- 47	- 9	+ 47	+151	+137	+151	+115	+107	+183	+ 89
August	+125	+165	+243	+207	+139	- 67	-163	-203	-291	***-393***	-319	-249	-169	- 11	- 21	- 37	- 87	+ 85	+ 37	+195	+143	+137	***+311***	+225
September	+137	- 7	+ 19	+ 83	+ 79	+ 77	- 33	-141	-155	-189	***-329***	-175	-117	+ 5	-103	- 73	- 99	+121	+ 45	+141	***+223***	+221	+ 81	+185
October	+146	+206	***+288***	+136	+108	+128	+ 90	+ 44	- 12	-154	-200	- 98	-158	- 44	- 90	***-252***	-194	-144	- 38	+ 6	+ 32	+148	+ 4	+ 48
November	+109	+ 89	+165	+213	***+283***	+167	+123	+ 65	- 13	- 41	-137	-205	-303	***-319***	- 95	- 77	- 79	- 75	-127	- 85	+ 89	+105	+ 97	+ 47
December	+ 36	- 18	+ 4	+ 26	+ 82	+106	+130	***+134***	+124	+ 72	+ 8	0	- 28	-128	- 66	- 44	- 2	- 54	- 76	***-142***	- 46	- 68	- 30	- 24
Year	+114	+ 93	***+129***	+107	+118	+ 90	+ 53	- 11	- 84	-159	***-229***	-199	-171	-107	- 88	- 72	- 47	+ 16	+ 27	+ 37	+ 76	+121	+104	+ 77
Winter	+101	+ 36	+ 79	+ 87	+138	+144	***+152***	+ 96	+ 5	- 15	- 86	-103	***-153***	-150	- 77	- 68	- 72	- 73	- 50	-103	+ 18	+ 40	+ 20	+ 31
Equinox	+ 98	+ 89	+151	+ 96	+ 94	+104	+ 54	- 32	- 90	-158	***-239***	-185	-178	- 86	-109	-110	-100	0	+ 18	+ 58	+ 95	***+205***	+118	+103
Summer	+142	+155	+157	+139	+121	+ 22	- 47	- 95	-166	-304	***-362***	-309	-182	- 86	- 77	- 37	+ 32	+122	+114	+155	+115	+119	***+176***	+ 98

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

International Disturbed Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1953	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	+179	+ 58	+126	+102	+176	+214	+ ***258***	+158	+ 26	- 58	-197	-193	- ***231***	-163	-153	-144	-118	- 83	- 16	- 71	- 57	+ 20	+115	+ 32
February	+105	+ 34	+ 41	+ 21	+ 38	+ 89	+ 82	+ 1	- ***161***	- 84	- 76	- 82	-134	- 65	- 60	- 47	- 90	- 65	+105	- 31	+148	+ ***165***	- 35	+100
March	+ 74	+ 71	+178	+107	+ 71	+110	+ 97	+ 9	- 40	-175	-236	-250	- ***255***	-156	-126	- 66	- 11	- 70	+ 32	+ 76	+128	+ ***187***	+162	+ 80
April	+ 50	+114	+148	+ 61	+127	+122	+ 68	- 43	-170	-129	-214	- ***270***	-263	-249	-209	-105	-107	+ 74	+115	+118	+ 74	+ ***315***	+247	+116
May	+152	+118	+122	+ ***195***	+126	+ 59	+ 51	- 6	- 61	-107	- ***369***	-351	-234	-184	-173	-145	- 25	+ 39	+123	+144	+ 88	+170	+182	+ 95
June	+164	+ ***204***	+165	+173	+ 71	+ 19	+ 25	-119	- 96	-300	- ***364***	-315	-185	-131	-198	- 71	+ 91	+145	+141	+136	+133	+101	+125	+ 74
July	+178	+179	+157	+ 29	+199	+118	- 47	+ 27	-139	-352	- ***387***	-370	-251	-168	-105	- 42	+ 17	+129	+125	+152	+120	+120	+ ***204***	+114
August	+154	+166	+259	+245	+169	- 41	-140	-172	-267	- ***392***	-351	-301	-234	- 74	- 84	- 67	-104	+ 85	+ 49	+229	+176	+156	+ ***320***	+221
September	+205	+ 51	+ 29	+ 83	+ 92	+ 74	- 42	-157	-153	-200	- ***355***	-228	-178	- 54	-143	-107	- 94	+139	+ 76	+166	+226	+ ***231***	+112	+221
October	+162	+210	+ ***282***	+124	+ 92	+115	+ 64	+ 21	- 33	-167	-229	-140	-205	- 88	-137	- ***271***	-202	-135	+ 5	+ 46	+105	+226	+ 64	+ 92
November	+101	+ 80	+152	+192	+ ***266***	+155	+ 86	+ 35	- 31	- 48	-150	-220	-328	- ***343***	-110	- 83	- 66	- 41	- 66	- 42	+145	+140	+114	+ 56
December	+ 39	- 10	+ 10	+ 25	+ 76	+ 96	+115	+ ***126***	+117	+ 69	0	- 18	- 52	- ***155***	- 87	- 59	- 12	- 54	- 63	-110	- 13	- 39	+ 4	- 9
Year	+131	+106	+139	+113	+126	+ 94	+ 52	- 10	- 84	-162	- ***243***	-228	-213	-152	-133	-101	- 60	+ 13	+ 52	+ 68	+106	+ ***149***	+134	+ 99
Winter	+106	+ 41	+ 82	+ 85	+ ***139***	+ ***139***	+135	+ 81	- 12	- 30	-104	-128	- ***186***	-182	-103	- 83	- 72	- 61	- 10	- 64	+ 56	+ 72	+ 50	+ 45
Equinox	+123	+111	+160	+ 94	+ 96	+105	+ 47	- 42	- 99	-168	- ***258***	-222	-226	-137	-154	-137	-104	+ 2	+ 57	+101	+133	+ ***240***	+146	+127
Summer	+162	+167	+176	+160	+141	+ 39	- 28	- 68	-141	-288	- ***368***	-335	-226	-140	-140	- 81	- 5	+ 99	+110	+165	+129	+137	+ ***208***	+126

WEST COMPONENT (Unit 0.1γ)

January	-102	- 66	- 21	+ 51	- 3	+ 40	+ 80	+ 68	+148	+154	+168	+215	+ ***227***	+218	+165	+ 44	-105	- 31	- ***276***	-251	-210	-175	-148	-194
February	- 38	- 64	- 93	-145	-163	- 26	+ 48	+ 95	+121	+163	+134	+202	+ ***287***	+258	+255	+196	+ 96	- 77	-270	-276	-179	-227	- ***294***	- 2
March	- 26	- 31	- 19	+ 24	- 96	-140	- 6	+ 76	+169	+152	+155	+243	+315	+ ***340***	+331	+142	- 65	+ 13	-444	- ***568***	-316	-168	- 56	- 25
April	- 68	-124	-147	- 31	+ 50	+ 26	- 28	- 67	- 87	- 90	- 48	+ 61	+172	+ ***276***	+242	+209	+134	+101	- 68	-115	- ***158***	-132	- 57	- 59
May	-178	-120	-158	-132	- 53	- 29	-117	-195	-163	- 80	+ 6	+148	+325	+355	+ ***428***	+393	+352	+243	+ 1	- 4	- 17	-126	- ***447***	-436
June	+ 17	- 26	-113	-193	- ***200***	-181	-153	-179	-142	-171	- 50	+ 64	+178	+296	+ ***375***	+313	+306	+207	+124	- 7	- 80	-106	-158	-128
July	-132	-117	- 75	+ 55	- 37	- 46	- 78	-139	- ***216***	-215	- 93	+ 31	+158	+275	+ ***361***	+206	+192	+155	+ 86	+ 7	- 25	- 76	-121	-150
August	-175	+ 7	- 83	- ***224***	-177	-171	-160	-211	-178	- 39	+177	+307	+398	+400	+ ***401***	+187	+100	+ 6	- 74	-200	-197	-111	- 30	+ 43
September	- ***419***	-366	- 65	+ 8	- 75	+ 26	+ 52	+ 88	- 23	+ 55	+141	+320	+ ***375***	+373	+243	+212	- 41	-107	-192	-146	- 4	- 48	-188	-214
October	- 91	- 10	+ 59	+ 85	+108	+ 94	+173	+150	+133	+ 73	+169	+257	+287	+275	+ ***292***	+ 99	+ 37	- 68	-277	-253	-458	- ***481***	-378	-273
November	+ 60	+ 64	+ 98	+150	+129	+ 87	+ ***245***	+194	+112	+ 39	+ 70	+ 77	+135	+125	+ 87	+ 33	- 91	-223	- ***398***	-280	-350	-211	- 99	- 54
December	- 17	- 50	- 39	+ 12	+ 45	+ 71	+104	+ 62	+ 52	+ 22	+ 49	+114	+148	+ ***163***	+129	+ 93	+ 66	- 6	- 86	-206	- ***216***	-190	-216	- 99
Year	- 97	- 75	- 55	- 28	- 39	- 21	+ 13	- 5	- 6	+ 5	+ 73	+170	+251	+ ***280***	+276	+177	+ 82	+ 18	-156	- ***192***	-184	-171	-183	-133
Winter	- 25	- 29	- 14	+ 17	+ 2	+ 43	+119	+105	+108	+ 94	+105	+152	+ ***200***	+191	+159	+ 91	- 9	- 84	- ***258***	-255	-239	-201	-189	- 87
Equinox	-151	-133	- 43	+ 21	- 4	+ 1	+ 48	+ 62	+ 48	+ 48	+105	+220	+288	+ ***316***	+277	+165	+ 16	- 16	-245	- ***270***	-234	-208	-170	-143
Summer	-117	- 64	-108	-124	-116	-107	-127	-181	-175	-126	+ 10	+138	+265	+331	+ ***391***	+275	+238	+153	+ 34	- 50	- 80	-104	- ***189***	-168

VERTICAL COMPONENT (Unit 0.1γ)

January	- 67	- 59	- 73	-105	-123	-105	- ***133***	-131	-113	-117	- 99	- 61	+ 11	+ 67	+129	+157	+ ***191***	+161	+189	+145	+111	+ 77	- 9	- 43
February	-140	- ***168***	-144	-160	-122	- 92	-112	-120	- 82	- 50	- 32	- 30	+ 6	+ 66	+ 80	+114	+170	+194	+ ***212***	+188	+126	+ 56	+ 26	+ 6
March	-160	-150	-136	-200	- ***210***	-140	-122	-108	-112	-118	- 76	- 60	- 28	+ 56	+186	+266	+ ***384***	+314	+280	+180	+100	- 4	- 60	- 86
April	-108	- 92	- 94	-126	- ***160***	-156	-130	-102	- 90	- 74	-100	-116	- 94	- 8	+106	+192	+222	+ ***236***	+ ***236***	+206	+174	+114	+ 4	- 34
May	- 54	- 94	-142	-154	-136	-160	-132	-114	- 90	-122	-156	-136	- 88	+ 68	+162	+262	+316	+ ***352***	+350	+254	+154	- 12	-126	- ***190***
June	- 33	-125	- ***133***	-121	- 97	- 87	- 69	-101	- 99	-123	-111	- 93	- 99	- 55	+ 5	+ 83	+157	+239	+257	+ ***273***	+187	+ 97	+ 29	+ 7
July	- 56	- 98	-124	-184	- ***188***	-172	-154	- 98	- 90	-106	- 86	-106	- 34	+ 6	+ 98	+208	+236	+244	+ ***252***	+228	+152	+ 84	+ 8	- 12
August	- 79	-153	- ***255***	-241	-213	-187	-143	- 99	- 95	- 97	-115	- 95	- 55	+ 23	+131	+311	+329	+ ***367***	+335	+269	+163	+ 93	+ 9	-197
September	-295	-295	-287	- ***309***	-195	-139	-115	- 93	- 43	- 55	- 93	- 51	+ 21	+115	+243	+345	+ ***423***	+409	+303	+209	+107	+ 23	- 61	-165
October	-166	-222	-232	- ***278***	-228	-156	-126	- 66	- 56	- 62	- 60	- 40	+ 12	+114	+162	+330	+ ***390***	+378	+318	+194	+ 78	+ 12	- 82	-206
November	- 47	- 65	- 91	-151	- ***159***	-145	-127	- 95	- 67	- 49	- 31	- 7	+ 33	+141	+ ***157***	+135	+137	+131	+143	+123	+ 81	+ 23	- 35	- 39
December	- 48	- 58	- 38	- 32	- 34	- 28	- 40	- 48	- 40	- 54	- ***66***	- 40	- 32	0	+ 38	+ 44	+ 60	+ 62	+ 92	+ ***106***	+ 90	+ 50	+ 32	- 6
Year	-104	-132	-146	- ***172***	-156	-131	-117	- 98	- 81	- 86	- 85	- 70	- 29	+ 49	+125	+204	+251	+ ***257***	+247	+198	+127	+ 51	- 22	- 80
Winter	- 76	- 88	- 87	- ***112***	-110	- 93	-103	- 99	- 76	- 68	- 57	- 35	+ 5	+ 69	+101	+113	+140	+137	+ ***159***	+141	+102	+ 52	+ 4	- 21
Equinox	-182	-190	-187	- ***228***	-198	-148	-123	- 92	- 75	- 77	- 82	- 67	- 22	+ 69	+174	+283	+ ***355***	+334	+284	+197	+115	+ 36	- 50	-123
Summer	- 56	-118	-164	- ***175***	-159	-152	-125	-103	- 94	-112	-117	-108	- 69	+ 11	+ 99	+216	+260	+ ***301***	+299	+256	+164	+ 66	- 20	- 98

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
Jan.	+ 2.9	+5.3	-2.6	-1.7	+1.3	-2.0	+0.6	+0.7	-10.7	+ 1.0	+2.5	+ 2.5	-0.6	-0.5	+0.8	+0.1	+1.0	- 6.3	-2.1	+0.1	+0.2	-0.3	-0.3	+0.1
Feb.	+ 3.2	+2.5	-1.4	-2.1	+0.2	-1.6	+0.8	+0.8	-11.4	- 2.6	+3.0	+ 3.3	-0.1	-1.0	+0.7	+1.9	+2.4	- 5.5	-3.3	-0.6	+0.4	+0.1	-0.3	-0.4
March	+ 9.2	+1.2	-3.8	-2.1	+1.0	-2.2	-1.5	+1.3	-14.1	- 4.9	+4.0	+ 8.7	+0.5	-2.9	+1.6	+1.5	+1.8	- 8.4	-5.2	-0.2	+2.3	+0.6	-0.5	0.0
April	+14.0	-0.5	-6.1	-3.4	+1.7	-1.1	+0.6	-0.3	- 9.6	-11.7	+2.6	+ 9.5	-1.7	-3.7	+1.3	+1.3	+4.7	- 7.3	-6.0	-0.6	+2.0	+0.2	-1.1	+0.1
May	+13.9	-4.0	-5.1	-2.1	+0.5	-0.1	+0.6	+0.1	-11.3	-14.4	+4.3	+ 9.5	-4.2	-2.6	+0.4	-0.3	+4.0	- 7.6	-7.4	+0.3	+1.5	+0.2	-0.6	+0.3
June	+13.3	-5.7	-6.1	+0.2	-0.7	-0.1	+0.7	+0.4	- 8.7	-17.5	+4.0	+ 8.6	-1.5	-0.7	+0.9	+1.1	+6.2	- 5.5	-6.1	-1.0	+0.8	+0.6	-0.4	+0.3
July	+15.3	-5.7	-5.3	+1.5	+0.1	-1.7	+0.8	+0.3	- 8.0	-16.7	+1.9	+ 9.0	-1.3	-1.9	-0.1	+1.5	+3.9	- 7.8	-6.1	-1.2	+1.5	+0.4	-0.1	-0.3
Aug.	+16.0	-5.8	-4.0	+2.1	-1.5	-2.6	+0.1	+1.1	-11.3	-11.9	+9.5	+ 9.1	-3.5	-2.0	+1.7	+0.4	+1.1	- 9.1	-6.3	-0.6	+2.2	+0.2	-0.5	0.0
Sept.	+12.3	-2.8	-3.6	+1.4	-0.2	-3.3	+0.5	0.0	-13.9	- 6.0	+6.1	+ 5.7	-3.5	-3.3	+1.6	+1.1	+0.3	- 9.1	-6.3	-0.2	+1.9	-0.8	-0.6	-0.3
Oct.	+10.4	+2.3	-4.3	-2.0	+1.0	-1.4	+0.4	+0.9	-11.8	- 1.7	+1.1	+ 8.3	-2.0	-2.7	+1.7	+1.9	-0.2	- 7.2	-4.2	+0.1	+1.6	+0.1	-0.6	-0.2
Nov.	+ 6.1	+3.0	-4.3	-1.5	+1.3	-1.5	-0.6	-0.3	- 8.9	+ 1.4	+1.6	+ 5.9	-0.6	-1.3	+1.3	+1.3	+0.2	- 5.7	-1.7	+0.8	+0.4	-0.7	-0.5	+0.7
Dec.	- 0.9	+2.4	-1.5	-2.0	+1.1	-0.8	+0.3	-0.3	- 9.0	+ 0.4	0.0	+ 3.6	-0.6	+0.4	+0.9	+0.5	+1.4	- 2.6	-1.1	-0.3	-0.1	-0.2	-0.4	-0.1
Year	+ 9.6	-0.6	-4.0	-1.0	+0.5	-1.6	+0.2	+0.4	-10.7	- 7.0	+3.3	+ 7.1	-1.7	-1.9	+1.1	+0.9	+2.2	- 6.9	-4.7	-0.3	+1.2	0.0	-0.5	0.0
Winter	+ 2.8	+3.4	-2.5	-1.8	+1.0	-1.5	+0.2	+0.2	-10.0	0.0	+1.8	+ 3.8	-0.5	-0.6	+1.0	+0.9	+1.3	- 5.0	-2.0	0.0	+0.2	-0.3	-0.4	+0.1
Equinox	+11.5	+0.1	-4.5	-1.5	+0.9	-2.0	0.0	+0.5	-12.4	- 6.1	+3.5	+ 8.1	-1.7	-3.1	+1.6	+1.4	+1.6	- 8.1	-5.4	-0.3	+2.0	0.0	-0.7	-0.1
Summer	+14.6	-5.2	-5.1	+0.4	-0.4	-1.1	+0.5	+0.5	- 9.8	-15.1	+4.9	+ 9.1	-2.6	-1.8	+0.7	+0.7	+3.8	- 7.5	-6.6	-0.6	+1.5	+0.4	-0.4	+0.1
	INTERNATIONAL QUIET DAYS																							
Year	+ 5.9	-1.0	-3.9	-0.4	+0.9	-1.1	+0.2	+0.4	- 6.5	- 9.9	+3.2	+ 5.8	-2.8	-2.1	+1.1	+1.3	+4.2	- 1.8	-3.8	-0.1	+1.5	-0.2	-0.5	-0.1
Winter	- 0.2	+0.4	-2.5	-1.7	+0.8	-0.9	-0.1	+0.4	- 6.2	- 2.8	+0.1	+ 2.6	-2.1	+0.1	+0.9	+1.1	+2.0	- 1.6	-1.5	+0.1	+0.4	-0.2	-0.4	-0.1
Equinox	+ 7.5	+0.4	-4.9	-0.6	+2.3	-1.6	-0.2	+0.8	- 7.9	-10.7	+3.2	+ 7.1	-2.7	-4.0	+1.8	+2.0	+5.2	- 2.3	-4.1	-0.2	+1.9	-0.1	-0.8	-0.1
Summer	+10.4	-3.8	-4.5	+1.1	-0.5	-0.9	+0.8	+0.1	- 5.3	-16.1	+6.3	+ 7.9	-3.5	-2.3	+0.7	+0.8	+5.4	- 1.5	-5.7	-0.2	+2.1	-0.2	-0.4	-0.2
	INTERNATIONAL DISTURBED DAYS																							
Year	+17.3	-0.7	-5.1	-0.3	-0.1	-2.7	-0.2	+0.3	-16.6	+ 0.3	+4.4	+ 9.7	+0.6	-3.4	+0.2	+0.7	-3.7	-18.7	-6.9	-0.1	+1.6	+0.8	-0.4	+0.3
Winter	+10.1	+4.9	-4.6	-2.2	+1.4	-2.8	-0.2	-1.5	-14.4	+ 9.1	+4.9	+ 6.4	+3.0	-2.8	+0.3	+0.8	-2.0	-12.5	-2.7	+0.3	-0.3	-0.2	-0.4	+0.7
Equinox	+19.1	-1.0	-4.2	-1.7	-1.4	-3.2	-0.4	+1.0	-19.6	+ 6.9	+5.4	+10.4	+0.2	-4.3	-0.5	+0.3	-7.7	-21.6	-9.3	+0.9	+3.1	+1.2	-0.6	-0.4
Summer	+22.6	-6.1	-6.5	+3.0	-0.1	-2.1	0.0	+1.5	-15.8	-15.3	+2.8	+12.0	-1.3	-3.1	+0.9	+1.0	-1.5	-22.3	-8.7	-1.3	+1.9	+1.4	-0.1	+0.7

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	°
Jan.	6.0	29	3.1	238	2.4	148	0.9	42	10.7	276	3.5	46	0.8	231	0.8	84	6.4	171	2.1	273	0.4	148	0.3	290
Feb.	4.1	52	2.5	214	1.6	174	1.1	47	11.7	257	4.5	43	1.0	187	2.0	22	6.0	157	3.4	260	0.4	77	0.5	218
March	9.3	83	4.3	242	2.4	157	2.0	312	14.9	251	9.6	25	2.9	171	2.2	48	8.6	168	5.2	269	2.4	77	0.5	272
April	14.0	92	7.0	242	2.0	124	0.7	118	15.1	220	9.9	16	4.1	206	1.8	47	8.7	148	6.0	265	2.0	85	1.1	277
May	14.5	106	5.5	248	0.5	102	0.6	82	18.3	218	10.4	25	4.9	239	0.5	128	8.6	153	7.4	273	1.5	84	0.7	298
June	14.5	113	6.1	273	0.7	263	0.8	62	19.5	207	9.5	26	1.7	246	1.4	41	8.3	132	6.2	261	1.0	54	0.5	308
July	16.3	111	5.5	287	1.7	178	0.9	71	18.5	206	9.2	13	2.3	216	1.5	358	8.7	154	6.2	260	1.6	76	0.3	200
Aug.	17.0	110	4.5	298	3.0	211	1.1	7	16.4	224	13.2	47	4.0	241	1.7	78	9.2	173	6.3	265	2.2	86	0.5	272
Sept.	12.6	103	3.9	292	3.3	185	0.5	92	15.1	247	8.3	48	4.8	228	1.9	57	9.1	178	6.3	269	2.1	114	0.7	245
Oct.	10.7	78	4.7	246	1.7	146	1.0	26	11.9	262	8.4	8	3.4	218	2.6	43	7.2	182	4.2	272	1.6	88	0.6	253
Nov.	6.8	64	4.6	251	2.0	140	0.7	245	9.0	279	6.1	16	1.4	206	1.8	47	5.7	178	1.9	296	0.8	151	0.9	326
Dec.	2.6	340	2.5	218	1.4	127	0.4	137	9.0	273	3.6	1	0.7	305	1.0	62	2.9	152	1.1	256	0.2	208	0.4	257
Year	9.6	94	4.1	257	1.7	164	0.4	28	12.8	237	7.8	26	2.6	223	1.4	52	7.2	163	4.7	267	1.2	91	0.5	272
Winter	4.4	40	3.1	235	1.8	147	0.3	47	10.0	270	4.2	26	0.8	221	1.3	50	5.2	166	2.0	271	0.4	148	0.4	286
Equinox	11.5	90	4.7	252	2.2	157	0.5	2	13.8	244	8.8	24	3.5	210	2.1	50	8.3	169	5.4	268	2.0	91	0.7	263
Summer	15.5	110	5.1	275	1.2	201	0.7	47	18.0	213	10.3	29	3.2	236	1.0	47	8.4	154	6.6	266	1.6	76	0.4	286
	INTERNATIONAL QUIET DAYS																							
Year	6.0	100	3.9	265	1.4	142	0.4	28	11.9	214	6.6	30	3.5	234	1.7	42	4.6	114	3.8	269	1.5	99	0.5	260
Winter	0.4	334	3.0	237	1.2	140	0.4	346	6.8	246	2.6	3	2.1	274	1.4	41	2.6	129	1.5	275	0.4	118	0.4	257
Equinox	7.5	87	4.9	264	2.8	126	0.8	346	13.3	217	7.8	25	4.8	215	2.7	44	5.7	114	4.1	268	1.9	94	0.8	264
Summer	11.1	110	4.6	284	1.0	210	0.8	83	17.0	199	10.1	39	4.2	238	1.1	43	5.6	106	5.7	269	2.1	97	0.4	245
	INTERNATIONAL DISTURBED DAYS																							
Year	17.3	93	5.1	267	2.7	183	0.4	328	16.6	271	10.6	25	3.5	171	0.7	18	19.1	192	6.9	270	1.8	65	0.5	308
Winter	11.2	64	5.1	245	3.1	155	1.5	190	17.0	303	8.1	38	4.1	134	0.9	22	12.7	189	2.7	277	0.4	237	0.8	332
Equinox	19.1	93	4.5	249	3.5	205	1.1	340	20.8	290	11.7	28	4.3	178	0.6	303	22.9	200	9.3	276	3.3	70	0.7	235
Summer	23.4	105	7.2	296	2.1	184	1.5	2	22.0	226	12.3	14	3.4	204	1.3	44	22.3	184	8.8	262	2.4	55	0.7	353

TABLE X. - RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF 1953

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	5.16	1.46	17.8	4.52	0.97	12.4	9.76	3.61	46.0	18.6	26.9	13.6	12.1	24.3	7.2	48.9	50.3	32.4
February	5.82	1.18	13.2	4.26	0.62	8.0	10.84	2.13	26.8	14.4	31.0	16.3	9.9	22.5	10.0	32.6	58.1	38.0
March	8.40	1.11	21.4	7.50	1.01	18.8	17.16	2.91	38.2	26.4	42.9	24.6	19.0	40.4	15.2	44.2	90.8	59.4
April	8.41	1.69	33.0	8.00	1.02	24.4	9.02	3.06	54.8	36.7	43.8	26.7	26.0	41.7	22.6	58.5	43.4	39.6
May	9.59	1.57	31.9	10.06	1.51	26.8	16.90	3.58	53.6	34.0	50.9	29.7	27.1	55.2	19.4	56.4	87.5	54.2
June	9.10	1.79	35.8	8.52	1.52	28.2	11.38	3.81	56.4	34.8	48.4	27.5	25.2	46.5	23.8	56.8	57.5	40.6
July	8.68	2.08	37.9	8.60	1.94	33.0	10.38	4.23	58.8	36.7	48.6	26.4	29.7	48.7	23.8	59.1	57.7	44.0
August	9.67	2.41	42.1	9.16	1.94	30.6	12.68	4.71	70.4	42.4	52.9	25.3	28.1	49.9	16.6	71.2	62.5	62.2
September	8.07	1.72	30.4	7.80	1.21	24.4	15.52	3.70	55.2	33.1	40.9	24.3	25.9	42.1	27.6	58.6	79.4	73.2
October	7.59	1.45	21.5	7.24	1.11	20.6	15.20	5.24	54.0	25.0	38.5	19.0	22.9	38.5	15.0	55.3	77.3	66.8
November	5.85	1.30	18.3	4.24	0.71	11.6	11.24	4.89	60.2	20.2	29.3	12.4	13.1	22.6	8.4	60.9	64.3	31.6
December	4.71	0.89	11.2	3.08	0.71	10.0	7.34	2.30	27.6	10.3	25.8	7.2	9.5	17.2	5.2	28.1	37.9	17.2
Year	7.59	1.55	26.2	6.92	1.19	20.7	12.29	3.68	50.2	27.7	40.0	21.1	20.7	37.5	16.2	52.5	63.9	46.6
Winter	5.39	1.20	15.1	4.03	0.75	10.5	9.79	3.23	40.1	15.9	28.3	12.4	11.1	21.6	7.7	42.6	52.6	29.8
Equinox	8.12	1.49	26.6	7.63	1.09	22.1	14.23	3.73	50.5	30.3	41.5	23.7	23.5	40.7	20.1	54.1	72.7	59.7
Summer	9.26	1.96	36.9	9.09	1.73	29.7	12.83	4.08	59.8	37.0	50.2	27.2	27.5	50.1	20.9	60.9	66.3	50.3

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

Month 1953	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	−0.05	−0.2	+0.2	−0.52	+ 3.2	−4.0	−0.10	−12.0	+ 1.0
February	0.00	+0.3	0.0	+0.08	+ 1.4	−1.2	+0.34	− 5.0	+ 1.0
March	−0.03	+0.2	−0.1	+0.64	+11.6	−2.2	+1.82	+ 2.0	+ 4.0
April	−0.02	−0.2	+0.2	−0.58	− 1.2	+0.8	+2.20	+ 3.4	+ 3.8
May	−0.06	+0.3	0.0	−0.20	+ 3.4	−1.4	−4.56	−15.0	−14.4
June	+0.04	−0.1	0.0	−0.36	+ 3.0	−0.6	−0.22	− 8.2	+ 1.2
July	−0.01	+0.1	+0.1	−0.18	+ 1.8	−1.8	+0.28	− 6.8	+ 0.2
August	−0.04	+0.1	−0.1	+0.14	+ 1.2	0.0	+1.74	+ 1.4	− 9.2
September	−0.02	+0.1	+0.3	−0.32	+ 2.2	−2.0	+2.34	− 5.6	+ 2.4
October	+0.01	−0.1	0.0	+0.26	+ 1.4	0.0	−1.50	−10.4	− 6.0
November	−0.01	+0.1	0.0	+0.24	− 2.0	+0.8	−0.56	− 4.2	+ 1.0
December	−0.04	0.0	0.0	+0.20	+ 1.8	−0.2	−0.22	− 5.4	+ 2.2
Year	..	..	..	−0.05	+ 2.3	−1.0	+0.13	− 5.5	− 1.1

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

Month 1953	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	9 0.8	66 40.4	.18682	.18451	.02927	.43322	.47178
February	8 59.9	66 39.7	.18688	.18458	.02923	.43314	.47173
March	8 59.3	66 40.1	.18684	.18455	.02919	.43318	.47175
April	8 58.9	66 39.4	.18693	.18464	.02918	.43314	.47176
May	8 58.0	66 39.4	.18694	.18465	.02914	.43318	.47179
June	8 57.9	66 39.0	.18701	.18473	.02914	.43318	.47182
July	8 57.1	66 39.1	.18700	.18472	.02910	.43319	.47183
August	8 56.7	66 39.3	.18697	.18470	.02907	.43322	.47184
September	8 56.0	66 39.8	.18693	.18466	.02903	.43326	.47187
October	8 55.5	66 39.7	.18695	.18468	.02900	.43328	.47189
November	8 55.0	66 39.4	.18700	.18474	.02898	.43329	.47192
December	8 54.7	66 38.7	.18709	.18483	.02898	.43326	.47193
Year	8 57.5	66 39.5	.18695	.18467	.02911	.43321	.47183

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 49.7	8 49.7	8 49.7	8 49.7	8 49.8	8 49.9	8 49.8	8 49.9	8 49.9	8 50.2	8 50.1	8 10.0
2	49.8	49.7	49.7	49.7	49.8	50.0	49.7	49.9	49.9	50.1	50.1	10.0
3	49.8	49.7	49.8	49.8	49.8	50.0	49.7	49.9	49.8	50.2	50.1	10.0
4	49.8	49.7	49.7	49.7	49.8	49.9	49.7	49.9	49.9	50.1	50.1	10.0
5	49.8	49.7	49.6	49.7	49.8	50.0	49.7	49.9	49.9	50.1	50.2	10.0
6	49.8	49.7	49.8	49.7	49.8	49.9	49.5	49.8	49.9	50.1	50.2	10.0
7	49.7	49.5	49.7	49.7	49.8	49.9	49.6	49.8	49.8	50.2	50.2	10.0
8	49.6	49.4	49.7	49.7	49.8	49.9	49.7	49.8	50.2	50.1	50.1	10.0
9	49.5	49.5	49.8	49.7	49.9	50.0	49.6	49.8	50.0	50.2	50.1	10.1
10	49.6	49.6	49.9	49.7	49.8	49.9	49.6	49.8	50.1	50.1	50.1	9.9
11	49.6	49.6	49.8	49.7	49.8	49.9	49.6	49.8	50.3	50.1	$\left\{\frac{50.1}{10.1}\right.$	10.0
12	49.7	49.5	49.8	49.8	49.9	50.0	49.6	49.8	50.3	50.1	8 10.0	10.0
13	49.6	49.5	49.8	49.6	49.9	49.9	49.6	49.8	50.3	50.1	10.1	10.0
14	49.7	49.6	49.8	49.7	49.9	49.9	49.7	49.9	50.2	50.1	10.1	10.0
15	49.7	49.5	49.8	49.7	49.9	49.8	49.6	49.9	50.3	50.1	10.1	10.0
16	49.7	49.5	49.9	49.7	49.8	49.8	49.5	49.9	50.4	50.1	10.1	10.1
17	49.7	49.5	50.0	49.7	49.8	49.8	49.6	49.9	50.2	50.3	10.1	10.1
18	49.8	49.5	49.9	49.8	50.0	49.8	49.6	49.9	50.3	50.1	10.2	10.1
19	49.7	49.5	49.7	49.7	50.0	49.8	49.7	49.9	50.2	50.1	10.2	10.2
20	49.7	49.6	49.7	49.7	50.0	49.8	..	49.9	50.1	50.1	10.1	10.2
21	49.7	49.5	49.9	49.8	49.9	50.0	49.8	49.8	50.1	50.1	10.2	10.0
22	49.7	49.5	49.7	49.6	50.0	49.8	49.8	49.9	50.1	50.1	10.1	10.1
23	49.8	49.5	49.6	49.7	49.9	49.9	49.9	49.9	50.2	50.1	10.2	10.1
24	49.8	49.6	49.8	49.7	49.9	49.9	49.8	49.8	50.2	50.1	10.0	10.2
25	49.8	49.5	49.8	49.8	49.7	49.8	49.8	49.9	50.1	50.1	10.1	10.1
26	49.7	49.5	49.7	49.7	49.7	49.8	49.8	49.9	50.1	50.1	10.1	10.1
27	49.7	49.7	49.8	50.0	49.8	49.8	49.8	49.9	50.1	50.1	10.1	10.0
28	49.7	49.7	49.8	49.8	50.0	49.8	49.8	50.0	50.1	50.1	10.0	10.0
29	49.6		49.6	49.9	49.9	49.8	49.8	49.9	50.1	50.2	9.9	10.1
30	49.8		49.7	49.8	50.0	49.8	49.8	49.9	50.2	50.1	10.0	10.1
31	49.7		49.7		50.0		49.9	49.9		50.1		10.0

Nov. 11. The position of the base-line was altered.

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 06 - 10 21	8	18672	18470
2	10 08 - 10 20	8	18670	18468
3	10 12 - 10 22	8	18679	18471
5	10 13 - 10 24	8	18588	18468
6	10 24 - 10 34	8	18659	18470
7	10 21 - 10 30	8	18682	18472
8	10 32 - 10 41	8	18683	18472
9	10 19 - 10 32	8	18696	18471
10	10 17 - 10 27	8	18680	18470
12	10 17 - 10 26	8	18695	18472
13	10 13 - 10 25	8	18690	18470
14	10 24 - 10 33	8	18679	18472
15	10 22 - 10 33	8	18690	18472
16	10 12 - 10 22	8	18700	18469
17	10 06 - 10 19	8	18697	18470
19	10 18 - 10 27	8	18650	18469
20	10 18 - 10 33	8	18664	18468
21	10 16 - 10 27	8	18693	18470
22	10 34 - 10 45	8	18685	18470
23	10 18 - 10 27	8	18687	18471
24	10 11 - 10 23	8	18674	18471
26	12 18 - 12 32	8	18660	18469
27	10 30 - 10 41	8	18671	18470
28	10 37 - 10 45	8	18667	18468
29	11 35 - 11 57	8	18684	18467
30	10 29 - 10 39	8	18674	18467
31	10 21 - 10 29	8	18675	18468
Feb. 2	11 49 - 12 12	8	18686	18469
3	10 06 - 10 31	8	18696	18468
4	10 18 - 10 45	8	18696	18469
6	10 15 - 10 30	8	18687	18469
7	10 19 - 10 30	8	18690	18469
9	10 19 - 10 30	8	18701	18471
10	10 31 - 10 41	8	18698	18469
11	10 20 - 10 42	8	18686	18469
12	10 29 - 10 41	8	18682	18470
13	10 20 - 10 31	8	18694	18470
14	10 34 - 10 42	8	18702	18471
16	10 11 - 10 21	8	18676	18470
17	11 33 - 11 50	8	18691	18468
18	10 22 - 10 46	8	18691	18469
19	10 36 - 10 47	8	18693	18469
20	10 22 - 10 31	8	18695	18469
21	12 39 - 12 53	8	18695	18468
24	9 58 - 10 07	8	18670	18469
25	10 28 - 10 36	8	18652	18468
26	10 37 - 10 48	8	18636	18468
27	10 16 - 10 28	8	18664	18468
28	10 23 - 10 34	8	18680	18469
Mar. 2	10 30 - 10 39	8	18617	18466
3	10 31 - 10 43	8	18658	18468
4	10 24 - 10 33	8	18679	18469
5	10 28 - 10 38	8	18680	18469
6	10 22 - 10 31	8	18678	18469
7	10 19 - 10 30	8	18667	18468
9	10 29 - 10 37	8	18667	18469
10	10 15 - 10 26	8	18666	18468
11	10 17 - 10 26	8	18679	18469
12	10 19 - 10 29	8	18688	18470
13	10 09 - 10 22	8	18681	18469
14	10 17 - 10 25	8	18693	18471
16	10 22 - 10 30	8	18683	18469
Mar. 17	10 24 - 10 34	8	18671	18468
18	10 29 - 10 39	8	18684	18469
19	9 57 - 10 09	8	18687	18469
20	10 06 - 10 21	8	18678	18469
21	10 27 - 10 35	8	18683	18470
23	10 30 - 10 40	8	18661	18470
24	10 21 - 10 30	8	18629	18469
25	10 09 - 10 17	8	18654	18468
26	10 14 - 10 25	8	18680	18469
27	10 11 - 10 23	8	18674	18469
28	10 17 - 10 28	8	18669	18468
30	10 20 - 10 30	6	18687	18469
31	10 29 - 10 36	8	18677	18470
Apr. 1	10 32 - 10 41	8	18671	18469
2	10 32 - 10 40	8	18663	18468
4	10 22 - 10 32	8	18666	18470
7	10 24 - 10 34	8	18672	18470
8	10 32 - 10 40	8	18677	18469
9	10 32 - 10 40	8	18683	18470
10	10 21 - 10 30	8	18686	18469
11	10 21 - 10 29	8	18652	18468
13	10 25 - 10 37	8	18681	18469
14	10 24 - 10 32	8	18677	18469
15	10 16 - 10 26	8	18666	18469
16	10 22 - 10 35	8	18657	18469
17	10 28 - 10 38	8	18684	18469
18	10 24 - 10 33	8	18671	18468
20	9 16 - 9 26	8	18685	18469
21	9 15 - 9 25	8	18670	18468
22	8 59 - 9 11	8	18663	18468
23	8 43 - 8 57	8	18658	18468
24	9 33 - 9 44	8	18684	18469
25	8 54 - 9 06	8	18696	18470
27	8 54 - 9 08	8	18684	18468
28	9 07 - 9 20	8	18688	18470
29	9 22 - 9 38	8	18702	18471
30	10 38 - 10 47	8	18690	18469
May 1	9 17 - 9 31	8	18682	18469
2	9 14 - 9 23	8	18677	18470
4	9 26 - 9 35	8	18689	18469
5	9 22 - 9 35	8	18696	18469
6	8 52 - 9 02	8	18706	18469
7	9 02 - 9 15	8	18689	18469
8	10 29 - 10 39	8	18679	18468
9	9 12 - 9 29	8	18679	18469
11	9 16 - 9 31	8	18682	18468
12	9 21 - 9 33	8	18681	18468
13	9 22 - 9 30	8	18689	18470
14	9 25 - 9 36	8	18684	18469
15	9 15 - 9 25	8	18695	18468
16	9 12 - 9 21	8	18640	18467
18	9 25 - 9 36	8	18665	18469
19	9 35 - 9 44	8	18664	18468
20	9 25 - 9 39	8	18685	18468
21	9 14 - 9 24	8	18675	18469
22	9 23 - 9 35	8	18687	18468
26	8 40 - 8 52	8	18690	18469
27	9 03 - 9 15	8	18639	18467
28	9 24 - 9 35	8	18677	18467
29	8 53 - 9 07	8	18680	18467
30	9 18 - 9 31	8	18686	18467
June 1	9 11 - 9 20	8	18681	18466
3	9 34 - 9 43	8	18661	18466
4	9 28 - 9 37	8	18667	18466
5	9 19 - 9 28	8	18683	18468
6	9 10 - 9 19	8	18685	18467
8	9 21 - 9 29	8	18680	18467
9	8 24 - 8 50	8	18684	18466
10	9 17 - 9 32	8	18686	18467
11	9 32 - 9 41	8	18673	18466
12	9 27 - 9 34	8	18676	18467
13	9 40 - 9 47	8	18666	18466
15	9 20 - 9 29	8	18684	18466
16	9 22 - 9 31	8	18677	18466
17	9 05 - 9 15	8	18697	18466
18	10 38 - 10 47	8	18683	18465
19	9 39 - 9 47	8	18694	18467
20	9 31 - 9 41	8	18711	18468
23	10 46 - 10 54	8	18687	18466
24	9 10 - 9 21	8	18695	18466
25	9 15 - 9 22	8	18677	18466
26	9 13 - 9 27	8	18695	18465
27	9 01 - 9 09	8	18690	18465
29	9 27 - 9 36	8	18660	18464
30	9 10 - 9 21	8	18632	18466
July 1	8 41 - 8 53	8	18665	18464
2	9 07 - 9 17	8	18681	18466
3	9 31 - 9 38	8	18673	18465
6	10 30 - 10 43	8	18701	18465
7	10 26 - 10 40	8	18681	18464
8	9 17 - 9 27	8	18686	18465
9	9 27 - 9 36	8	18691	18465
10	9 24 - 9 34	8	18673	18465
11	9 30 - 9 44	8	18669	18464
13	9 21 - 9 30	8	18666	18465
14	9 20 - 9 29	8	18681	18466
15	11 12 - 11 23	8	18683	18465
16	9 15 - 9 24	8	18687	18466
17	9 03 - 9 12	8	18689	18467
18	9 17 - 9 31	8	18689	18466
20	9 23 - 9 33	8	18691	18465
22	9 23 - 9 35	8	18676	18465
23	9 03 - 9 12	8	18668	18465
24	9 12 - 9 21	8	18673	18465
25	9 09 - 9 23	8	18678	18464
27	9 24 - 9 32	8	18663	18464
28	8 50 - 9 04	8	18642	18464
29	9 15 - 9 23	8	18664	18464
30	10 31 - 10 47	8	18670	18463
31	9 40 - 9 45	8	18670	18465
Aug. 1	9 09 - 9 26	8	18670	18464
4	9 14 - 9 26	8	18688	18464
5	8 08 - 8 28	8	18693	18465
6	8 24 - 8 49	8	18683	18465
7	8 12 - 8 35	8	18682	18464
8	9 04 - 9 23	8	18682	18464
10	9 37 - 9 44	8	18688	18464
11	10 28 - 10 42	8	18656	18462
12	9 27 - 9 36	8	18611	18461
13	9 26 - 9 36	8	18654	18463
14	9 17 - 9 30	8	18671	18464
15	9 23 - 9 31	8	18689	18465
17	9 25 - 9 35	8	18691	18465

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
Aug. 18	9 29	9 37	8	18684	18464
19	9 28	9 37	8	18684	18464
20	9 26	9 35	8	18689	18464
21	9 17	9 27	8	18677	18464
22	9 02	9 11	8	18689	18465
24	9 28	9 38	8	18644	18463
26	9 08	9 21	8	18679	18465
27	9 29	9 40	8	18650	18464
28	8 46	8 56	8	18657	18464
29	9 30	9 41	8	18664	18463
31	9 14	9 26	8	18658	18463
Sept. 1	8 50	8 58	8	18662	18464
2	8 45	9 03	8	18675	18462
3	8 38	8 49	8	18675	18463
4	9 19	9 28	8	18624	18461
5	9 07	9 16	8	18669	18463
7	9 26	9 35	8	18665	18462
8	9 00	9 12	8	18663	18462
9	8 47	9 05	8	18688	18463
10	8 47	8 58	8	18690	18463
11	8 55	9 04	8	18677	18462
12	9 13	9 23	8	18679	18462
14	9 07	9 16	8	18686	18462
15	9 08	9 20	8	18704	18462
16	9 22	9 31	8	18701	18464
17	9 32	9 39	8	18684	18463
18	9 10	9 18	8	18697	18463
19	9 04	9 11	8	18663	18463
21	9 05	9 14	8	18675	18464
22	9 26	9 34	8	18667	18463
23	9 13	9 26	8	18675	18462
24	9 18	9 26	8	18686	18462
25	9 33	9 42	8	18669	18463
26	9 20	9 28	8	18677	18463
28	9 06	9 17	8	18679	18463
29	9 06	9 15	8	18696	18463

Universal Time			No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-line
	h m	h m		γ	γ
Oct. 1	9 11	9 20	8	18691	18463
2	9 27	9 35	8	18697	18463
3	9 21	9 29	8	18690	18463
5	9 45	9 55	8	18703	18464
6	9 38	9 47	8	18711	18464
7	9 38	9 48	8	18704	18464
8	9 48	9 56	8	18712	18465
9	9 36	9 48	8	18692	18464
10	9 47	9 56	8	18690	18463
12	9 46	9 54	8	18687	18464
13	9 47	9 55	8	18692	18463
14	9 36	9 48	8	18694	18463
15	9 52	10 00	8	18710	18464
16	9 49	9 57	8	18668	18463
17	9 50	9 58	8	18662	18462
19	10 07	10 23	8	18604	18460
20	9 52	10 08	8	18650	18463
21	9 55	10 11	8	18615	18462
22	10 30	10 49	8	18661	18462
23	10 09	10 21	8	18678	18464
24	9 47	9 55	8	18685	18464
26	10 06	10 20	8	18687	18463
27	9 40	9 52	8	18695	18464
28	9 39	9 52	8	18695	18464
29	9 51	9 59	8	18708	18465
30	9 38	9 49	8	18695	18464
31	9 45	9 53	8	18699	18466
Nov. 2	10 33	10 45	8	18691	18463
3	9 52	10 03	8	18703	18466
4	9 42	9 53	8	18699	18465
5	9 51	9 58	8	18693	18465
6	9 52	9 59	8	18701	18465
7	10 04	10 14	8	18686	18465
9	9 53	10 09	8	18710	18464
10	10 05	10 14	8	18705	18464
12	10 08	10 20	8	18702	18464
13	10 05	10 19	8	18682	18464
14	9 51	10 00	8	18664	18464

Universal Time			No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-line
	h m	h m		γ	γ
Nov. 16	10 24	10 37	8	18676	18463
17	10 04	10 19	8	18700	18465
19	10 05	10 15	8	18697	18464
20	11 38	11 47	8	18696	18464
21	9 53	10 24	8	18680	18464
23	9 48	9 57	8	18699	18465
24	9 55	10 12	8	18704	18464
25	10 07	10 20	8	18707	18464
26	10 08	10 21	8	18698	18464
27	9 50	9 59	8	18702	18464
28	10 15	10 28	8	18705	18464
30	9 52	10 07	8	18715	18465
Dec. 1	9 51	9 58	8	18721	18466
2	9 38	9 50	8	18721	18464
3	9 43	9 55	8	18718	18466
4	10 06	10 19	8	18711	18465
5	9 55	10 11	8	18712	18464
7	9 48	9 58	8	18712	18465
8	9 12	9 21	8	18715	18464
9	9 54	10 07	8	18705	18463
10	9 48	9 56	8	18700	18464
11	9 50	10 00	8	18711	18464
12	10 29	10 43	8	18695	18463
14	9 53	10 09	8	18698	18464
15	9 45	9 53	8	18717	18464
16	9 52	10 00	8	18708	18464
17	10 07	10 20	8	18721	18465
18	9 53	10 00	8	18718	18464
19	9 51	9 59	8	18723	18465
21	10 09	10 24	8	18710	18464
22	9 53	10 04	8	18723	18464
23	9 50	10 00	8	18708	18465
24	9 45	9 54	8	18708	18464
26	11 35	11 46	8	18719	18464
29	10 15	10 26	8	18709	18464
30	10 16	10 26	8	18718	18464
31	9 56	10 15	8	18712	18465

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		Y	Y
Jan. 1	9 31 - 9 57	8	43318	43051
2	9 43 - 10 02	8	43317	43052
3	9 48 - 10 08	8	43321	43053
5	9 52 - 10 08	8	43313	43052
6	9 59 - 10 19	8	43325	43053
7	9 55 - 10 17	8	43321	43051
8	10 08 - 10 27	8	43319	43052
9	9 53 - 10 10	8	43315	43051
10	9 48 - 10 10	8	43318	43051
12	9 56 - 10 14	8	43312	43052
13	9 36 - 10 05	8	43316	43051
14	9 53 - 10 21	8	43322	43052
15	9 55 - 10 17	8	43320	43052
16	11 35 - 12 03	8	43310	43053
17	9 43 - 10 00	8	43310	43052
19	9 54 - 10 13	8	43306	43052
20	9 54 - 10 10	8	43319	43051
21	9 48 - 10 11	8	43320	43052
22	10 03 - 10 28	8	43315	43051
23	9 57 - 10 15	8	43318	43052
24	9 49 - 10 07	8	43311	43052
26	11 47 - 12 11	8	43314	43051
27	9 58 - 10 24	8	43318	43052
28	10 13 - 10 32	8	43318	43051
29	10 10 - 10 34	8	43310	43051
30	9 58 - 10 25	8	43316	43052
31	9 59 - 10 16	8	43313	43052
Feb. 2	9 47 - 10 25	8	43310	43050
3	9 27 - 9 54	8	43310	43050
4	9 39 - 10 06	8	43308	43050
6	9 34 - 10 04	8	43312	43050
7	9 46 - 10 11	8	43312	43050
9	9 45 - 10 15	8	43307	43051
10	9 02 - 9 24	8	43305	43051
11	9 36 - 10 12	8	43312	43051
12	10 03 - 10 23	8	43312	43052
13	9 57 - 10 16	8	43309	43051
14	9 13 - 9 30	8	43302	43051
16	9 51 - 10 07	8	43310	43051
17	10 16 - 10 37	8	43310	43051
18	9 32 - 10 13	8	43310	43051
19	10 13 - 10 32	8	43307	43051
20	9 46 - 10 19	8	43310	43051
23	10 23 - 10 48	8	43308	43051
24	9 36 - 9 53	8	43304	43051
25	9 57 - 10 25	8	43318	43053
26	10 06 - 10 32	8	43311	43051
27	9 53 - 10 12	8	43318	43052
28	9 59 - 10 18	8	43313	43052
Mar. 2	10 01 - 10 26	8	43316	43052
3	10 06 - 10 26	8	43307	43052
4	9 55 - 10 21	8	43312	43053
5	9 59 - 10 22	8	43307	43051
6	9 59 - 10 18	8	43315	43051
7	9 56 - 10 14	8	43315	43051
9	10 09 - 10 25	8	43317	43051
10	9 46 - 10 10	8	43323	43053
11	9 49 - 10 10	8	43319	43050
12	9 54 - 10 13	8	43316	43052
13	9 44 - 10 02	8	43319	43050
14	9 49 - 10 05	8	43308	43052
16	9 57 - 10 17	8	43312	43053
Mar. 17	10 01 - 10 17	8	43306	43050
18	9 58 - 10 20	8	43305	43051
19	9 22 - 9 46	8	43306	43050
20	9 45 - 10 01	8	43307	43050
21	9 51 - 10 22	8	43304	43051
23	9 59 - 10 26	8	43305	43051
24	9 57 - 10 18	8	43314	43051
25	9 37 - 10 04	8	43315	43052
26	9 43 - 10 06	8	43309	43052
27	9 46 - 10 05	8	43300	43052
28	9 46 - 10 12	8	43305	43051
30	9 52 - 10 12	8	43304	43052
31	9 59 - 10 23	8	43309	43052
Apr. 1	9 59 - 10 28	8	43305	43050
2	10 02 - 10 26	8	43307	43051
4	9 54 - 10 18	8	43309	43052
7	9 56 - 10 19	8	43313	43052
8	10 03 - 10 27	8	43305	43052
9	10 06 - 10 28	8	43301	43051
10	9 52 - 10 16	8	43300	43051
11	9 54 - 10 17	8	43308	43051
13	9 55 - 10 19	8	43303	43051
14	9 59 - 10 19	8	43304	43052
15	9 47 - 10 12	8	43298	43050
16	9 50 - 10 16	8	43304	43051
17	10 01 - 10 26	8	43305	43051
18	9 50 - 10 19	8	43304	43052
20	8 48 - 9 12	8	43302	43051
21	8 51 - 9 11	8	43305	43051
22	8 30 - 8 51	8	43312	43050
23	8 13 - 8 37	8	43301	43050
24	9 01 - 9 28	8	43314	43051
25	8 30 - 8 49	8	43309	43052
27	8 30 - 8 49	8	43305	43051
28	8 46 - 9 00	8	43308	43051
29	9 04 - 9 17	8	43306	43051
30	9 28 - 9 43	8	43309	43052
May 1	8 55 - 9 13	8	43320	43051
2	8 52 - 9 11	8	43317	43053
4	9 01 - 9 20	8	43305	43051
5	8 58 - 9 16	8	43303	43052
6	8 21 - 8 48	8	43303	43051
7	8 38 - 8 58	8	43313	43051
8	10 43 - 10 58	8	43308	43049
9	8 45 - 9 07	8	43300	43049
11	8 53 - 9 09	8	43315	43050
12	11 27 - 11 44	8	43312	43051
13	9 00 - 9 18	8	43311	43051
14	8 58 - 9 20	8	43308	43050
15	8 42 - 9 10	8	43300	43051
16	8 47 - 9 08	8	43308	43052
18	8 58 - 9 18	8	43314	43051
19	9 08 - 9 32	8	43313	43053
20	10 52 - 11 26	8	43311	43053
21	8 54 - 9 09	8	43315	43052
22	9 00 - 9 15	8	43313	43052
26	8 08 - 8 33	8	43307	43052
27	9 20 - 9 35	8	43296	43051
28	9 02 - 9 17	8	43312	43050
29	8 28 - 8 48	8	43314	43051
30	8 52 - 9 13	8	43314	43052
June 1	8 51 - 9 08	8	43312	43050
3	9 11 - 9 30	8	43320	43051
4	9 05 - 9 23	8	43317	43052
5	10 43 - 11 03	8	43320	43051
6	8 46 - 9 06	8	43309	43051
8	8 56 - 9 16	8	43322	43052
9	8 02 - 8 15	8	43313	43050
10	10 52 - 11 21	8	43309	43051
11	9 09 - 9 28	8	43300	43051
12	9 06 - 9 24	8	43303	43052
13	9 04 - 9 35	8	43313	43052
15	8 47 - 9 16	8	43317	43051
16	9 01 - 9 18	8	43303	43051
17	9 24 - 9 40	8	43309	43051
18	9 12 - 9 32	8	43318	43052
July 6	9 27 - 9 40	8	43317	43051
7	9 10 - 9 33	8	43311	43051
8	8 51 - 9 13	8	43310	43051
9	9 04 - 9 22	8	43313	43051
10	10 24 - 10 47	8	43304	43051
11	9 08 - 9 26	8	43306	43052
13	8 58 - 9 16	8	43314	43053
14	9 01 - 9 16	8	43315	43053
15	10 47 - 11 09	8	43301	43192
16	8 49 - 9 12	8	43317	43192
17	8 34 - 8 59	8	43323	43193
18	10 26 - 10 44	8	43303	43193
20	9 01 - 9 18	8	43305	43192
22	10 29 - 10 58	8	43309	43193
23	8 39 - 8 57	8	43305	43193
24	8 48 - 9 09	8	43319	43193
25	8 47 - 9 04	8	43317	43192
27	8 47 - 9 19	8	43306	43192
28	8 25 - 8 45	8	43317	43193
29	8 50 - 9 09	8	43316	43192
30	9 05 - 9 35	8	43323	43194
31	9 07 - 9 26	8	43328	43193
Aug. 1	8 27 - 9 01	8	43321	43195
4	7 28 - 7 48	8	43321	43192
5	7 22 - 7 40	8	43324	43192
6	7 30 - 7 49	8	43320	43193
7	7 27 - 7 46	8	43318	43194
8	8 25 - 8 57	8	43319	43192
10	9 00 - 9 22	8	43311	43193
11	9 20 - 9 47	8	43300	43193
12	14 16 - 16 31	8	43336	43194
13	8 57 - 9 19	8	43320	43193
14	8 56 - 9 11	8	43329	43193
15	8 56 - 9 18	8	43319	43193
17	9 05 - 9 20	8	43325	43194
18	10 38 - 10 58	8	43315	43194
19	9 10 - 9 26	8	43320	43193
20	8 56 - 9 20	8	43318	43194
21	8 57 - 9 14	8	43319	43194
22	8 41 - 8 59	8	43318	43195
24	9 03 - 9 25	8	43317	43196
25	9 18 - 9 35	8	43317	43194
27	9 01 - 9 23	8	43318	43194
28	8 25 - 8 42	8	43317	43195
29	9 03 - 9 25	8	43317	43194
31	8 46 - 9 04	8	43315	43195

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		Y	Y
Sept. 1	9 06	9 27	8	43324	43194
2	8 13	8 38	8	43327	43196
3	8 12	8 32	8	43325	43196
4	8 58	9 13	8	43326	43196
5	8 44	9 02	8	43322	43195
7	9 00	9 18	8	43320	43194
8	8 25	8 44	8	43319	43194
9	8 25	8 40	8	43314	43193
10	8 20	8 42	8	43311	43194
11	8 24	8 41	8	43320	43193
12	8 29	9 02	8	43314	43194
14	8 40	9 04	8	43314	43194
15	8 44	9 01	8	43315	43194
16	10 31	11 11	8	43308	43194
17	9 14	9 28	8	43320	43194
18	8 40	9 04	8	43323	43196
19	8 29	9 01	8	43316	43196
21	8 33	8 59	8	43333	43194
22	9 01	9 24	8	43322	43195
23	8 44	9 05	8	43323	43194
24	8 34	9 13	8	43327	43194
25	9 05	9 27	8	43330	43193
26	8 44	9 14	8	43329	43194
28	8 48	9 02	8	43322	43194
29	8 44	8 59	7	43327	43194
Oct. 1	8 46	9 02	8	43324	43194
2	9 07	9 23	8	43330	43194
3	8 55	9 14	8	43322	43195
5	9 14	9 40	8	43316	43193
6	9 10	9 33	8	43318	43193
7	9 18	9 33	8	43315	43194
8	9 27	9 44	8	43315	43193
9	9 13	9 30	8	43313	43193
Oct. 10	9 20	9 42	8	43321	43194
12	9 24	9 41	8	43320	43193
13	9 29	9 44	8	43322	43194
14	9 17	9 32	8	43318	43194
15	9 24	9 48	8	43315	43194
16	9 29	9 45	8	43327	43194
19	9 31	9 53	8	43344	43194
20	9 33	9 47	8	43334	43195
21	9 34	9 49	8	43339	43195
22	9 32	9 58	8	43328	43194
23	9 32	9 55	8	43324	43194
24	9 27	9 43	8	43323	43194
26	9 45	9 58	8	43325	43195
27	8 53	9 13	8	43333	43197
28	9 18	9 36	8	43330	43196
29	9 23	9 48	8	43323	43194
30	9 13	9 34	8	43325	43194
31	9 17	9 42	8	43327	43195
Nov. 2	9 35	9 53	8	43323	43196
3	9 31	9 50	8	43321	43194
4	9 10	9 35	8	43323	43194
5	9 25	9 48	8	43322	43194
6	9 23	9 50	8	43325	43193
7	9 34	9 55	8	43324	43193
9	9 26	9 50	8	43323	43194
10	9 40	9 54	8	43320	43193
12	9 31	9 57	8	43319	43193
13	9 27	9 55	8	43325	43194
14	9 18	9 45	8	43326	43193
16	9 36	9 55	8	43332	43194
17	9 40	9 55	8	43323	43193
19	9 42	9 54	8	43324	43193
20	11 14	11 33	8	43328	43194
Nov. 21	9 31	9 50	8	43328	43194
23	9 23	9 43	8	43324	43194
24	9 36	9 52	8	43321	43194
25	9 37	9 56	8	43325	43194
26	9 41	9 54	8	43326	43193
27	9 20	9 46	8	43330	43194
28	9 46	9 59	8	43324	43194
30	9 24	9 48	8	43322	43194
Dec. 1	9 31	9 47	8	43324	43193
2	9 15	9 32	8	43323	43193
3	9 15	9 37	8	43321	43193
4	9 37	9 55	8	43324	43193
5	9 33	9 52	8	43320	43194
7	9 25	9 43	8	43322	43193
8	9 27	9 48	8	43322	43193
9	9 25	9 52	8	43323	43193
10	9 22	9 45	8	43318	43193
11	9 21	9 47	8	43320	43194
12	9 41	9 55	8	43327	43195
14	9 24	9 49	8	43329	43195
15	9 23	9 42	8	43329	43193
16	9 28	9 49	8	43328	43194
17	9 45	9 59	8	43326	43196
18	9 18	9 50	8	43321	43195
19	9 25	9 48	8	43318	43194
21	9 42	9 59	8	43322	43194
22	9 22	9 50	8	43317	43193
23	9 11	9 45	8	43328	43194
24	9 15	9 41	8	43329	43194
26	11 08	11 28	8	43325	43194
29	9 34	10 05	8	43324	43195
30	9 25	9 53	8	43325	43196
31	9 40	9 53	8	43323	43194

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

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

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 1925-1953

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

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 in H " -1.3γ " Z " " " 1953.

See Introduction p. vi.

C.B.H. 31873 - Wt. 462056/57 - Dd. - 610 - 11/58

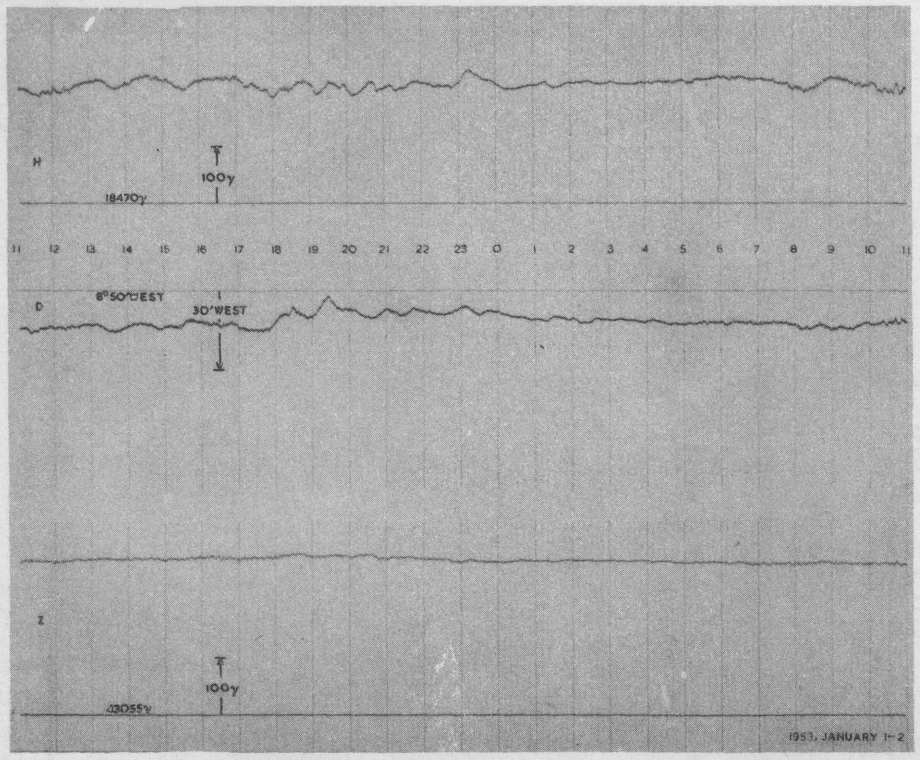
ROYAL GREENWICH OBSERVATORY

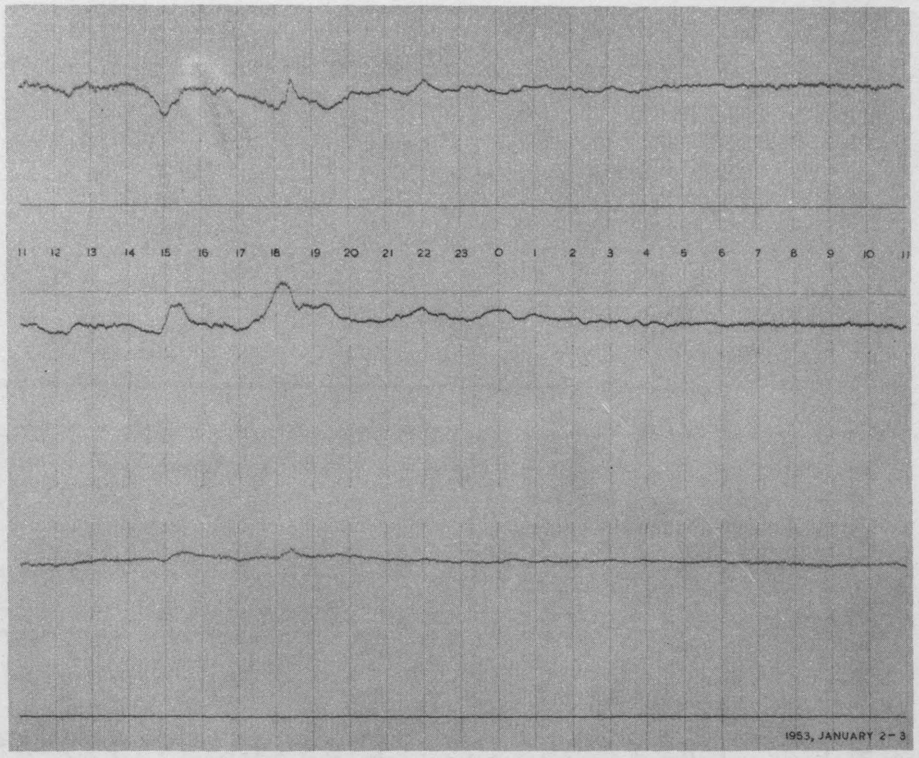
Magnetograms

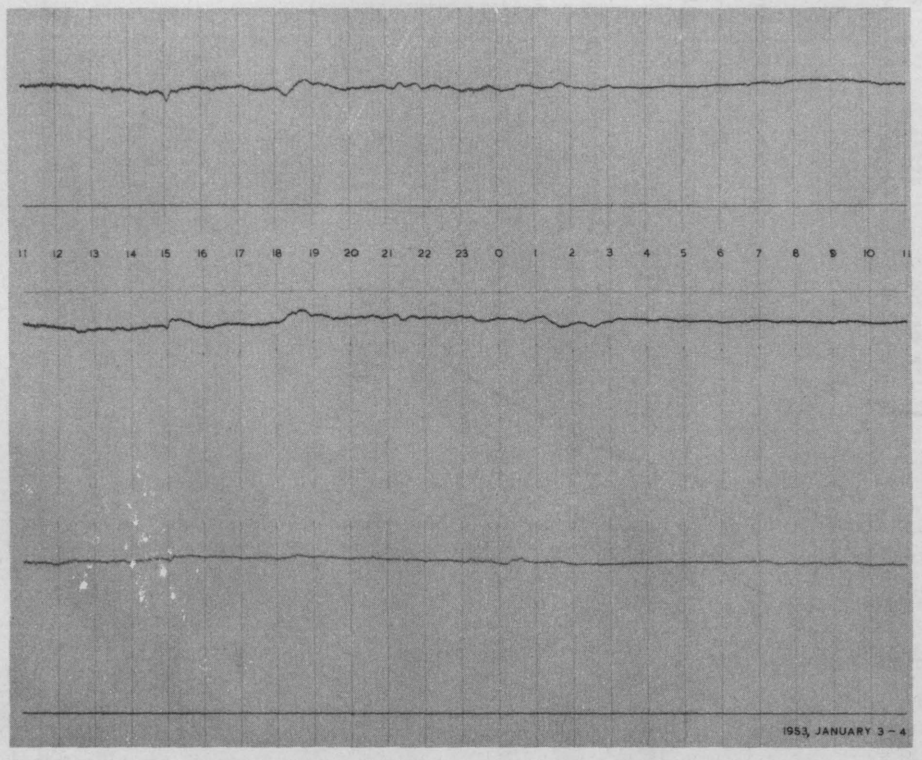
ABINGER

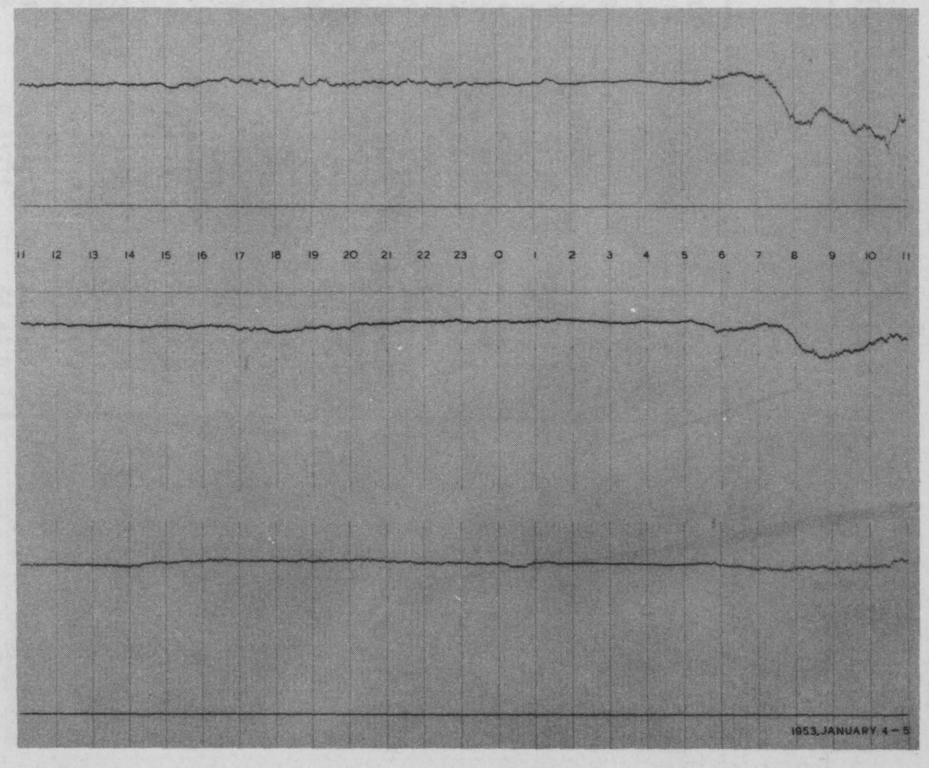
1953

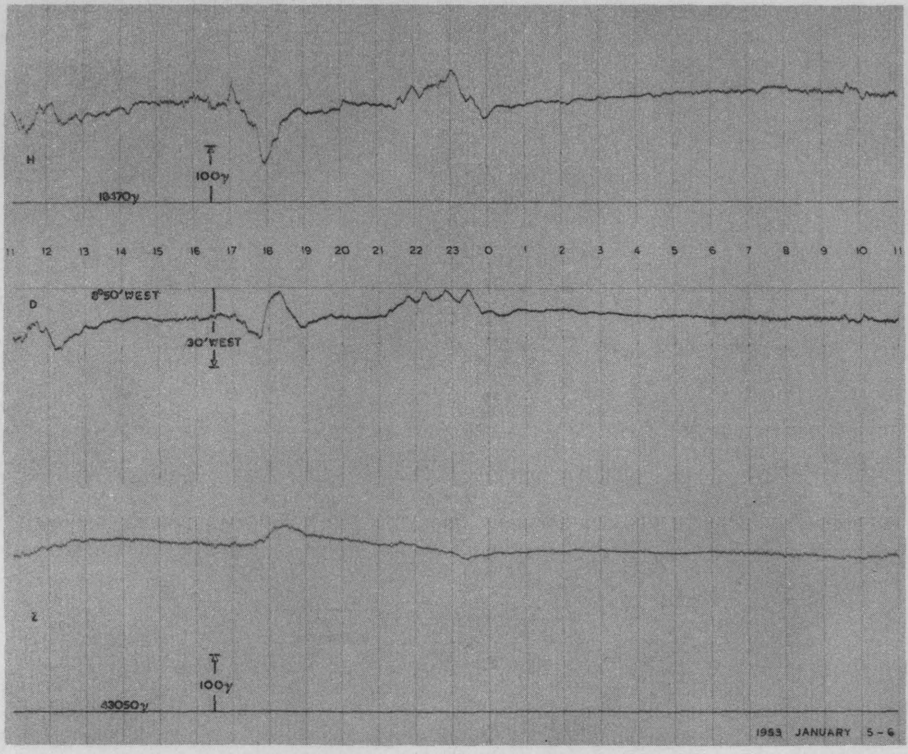
D

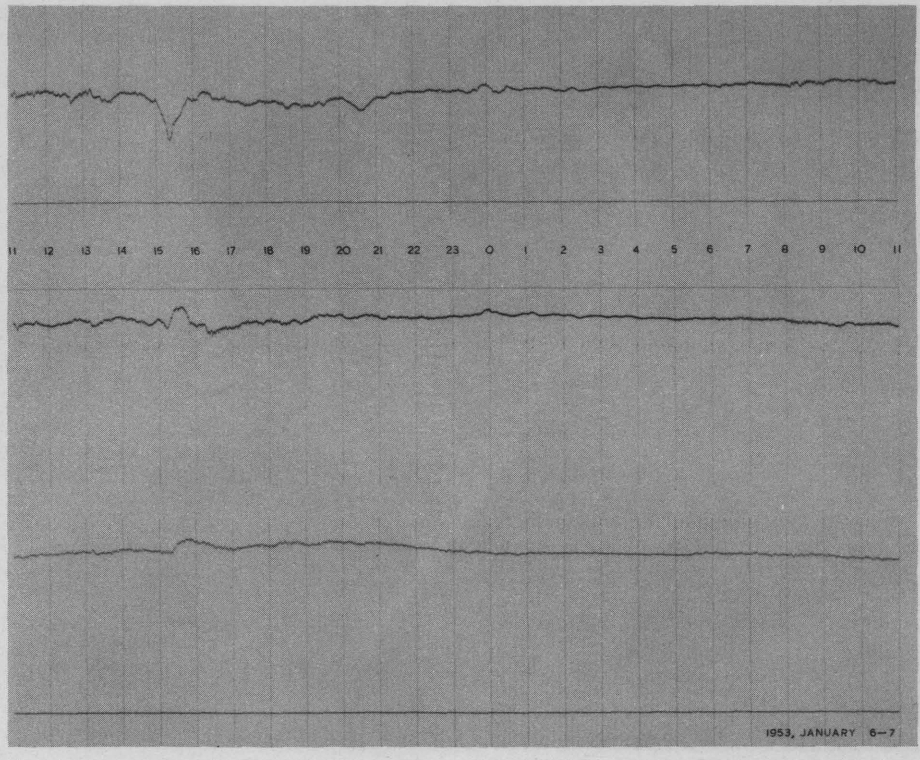

H
100γ
18470γ
D
8°50'WEST
30'WEST
Z
100γ
43055γ
1953, JANUARY 1–2


1953, JANUARY 2–3


1953, JANUARY 3–4


1953, JANUARY 4–5


H
100γ
18170γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50′WEST
30′WEST
Z
100γ
43050γ
1953 JANUARY 5-6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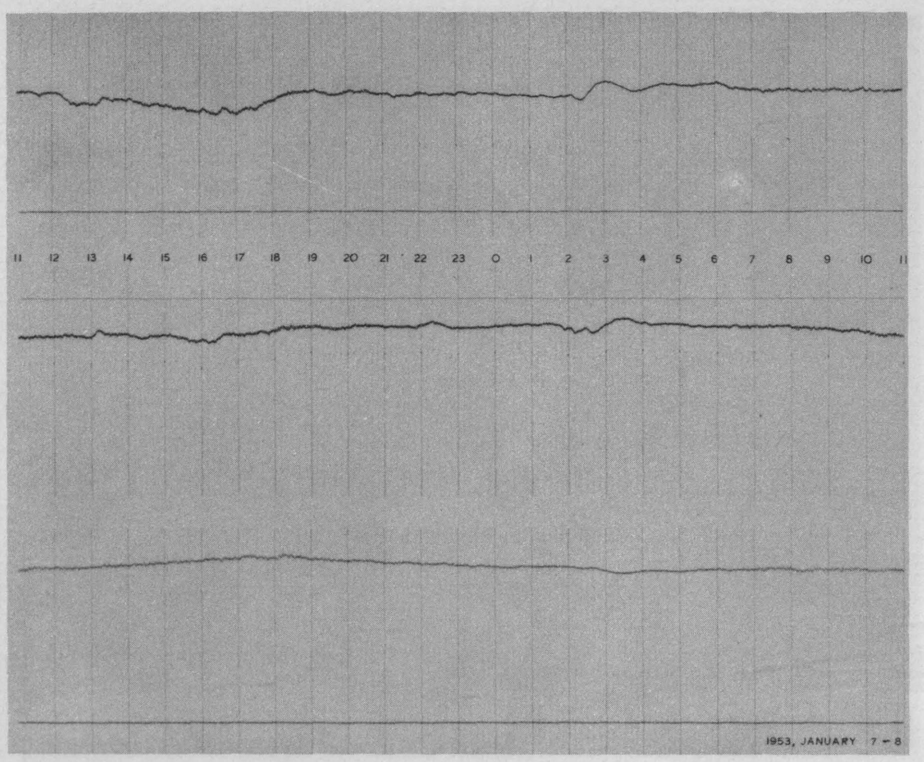
1953, JANUARY 6-7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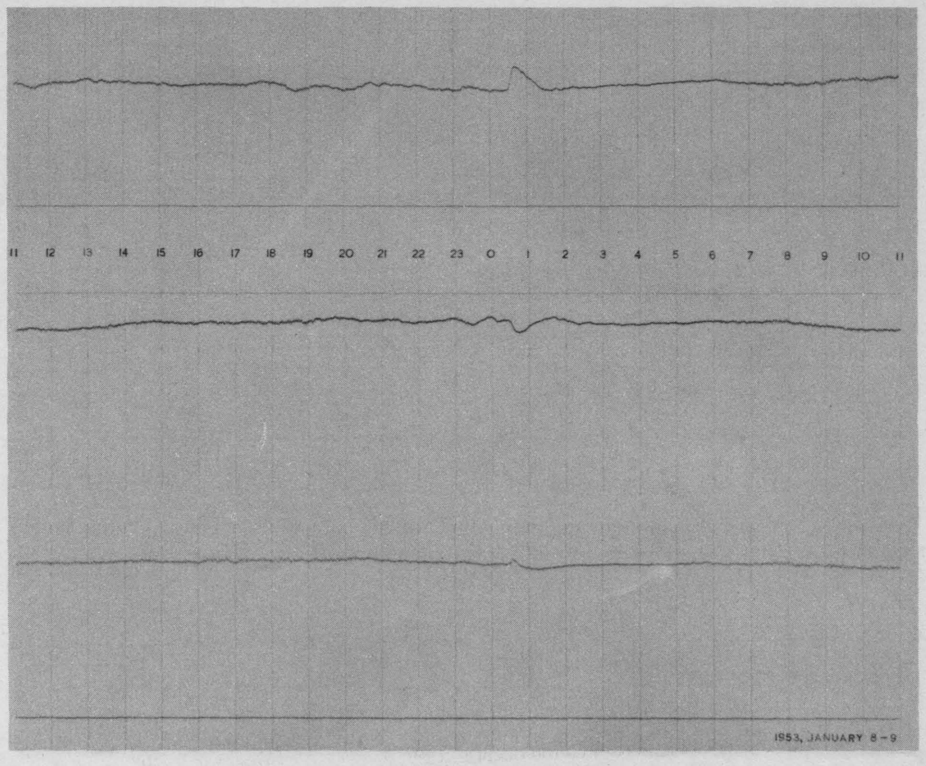
1953, JANUARY 7-8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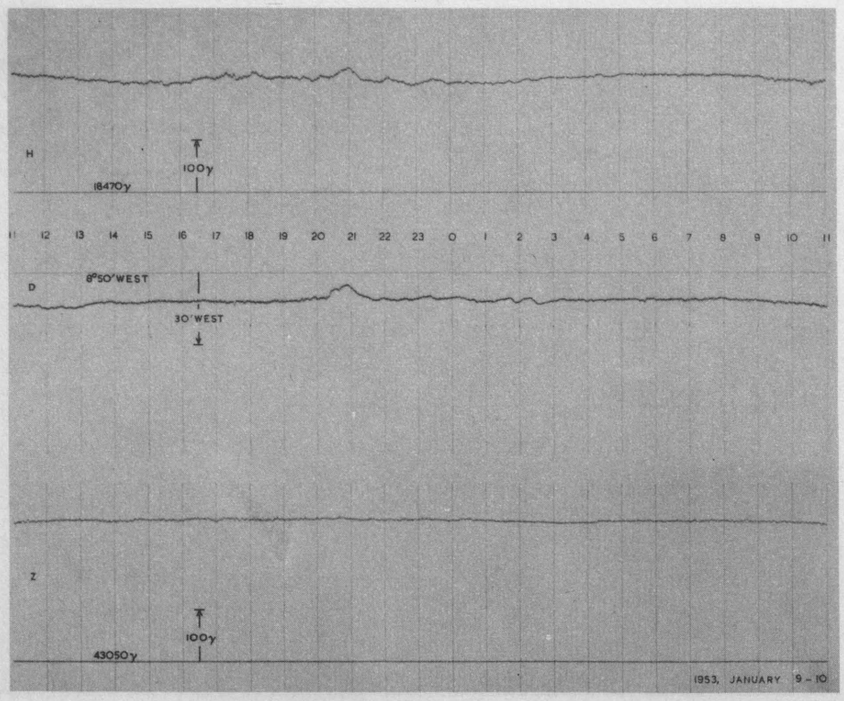
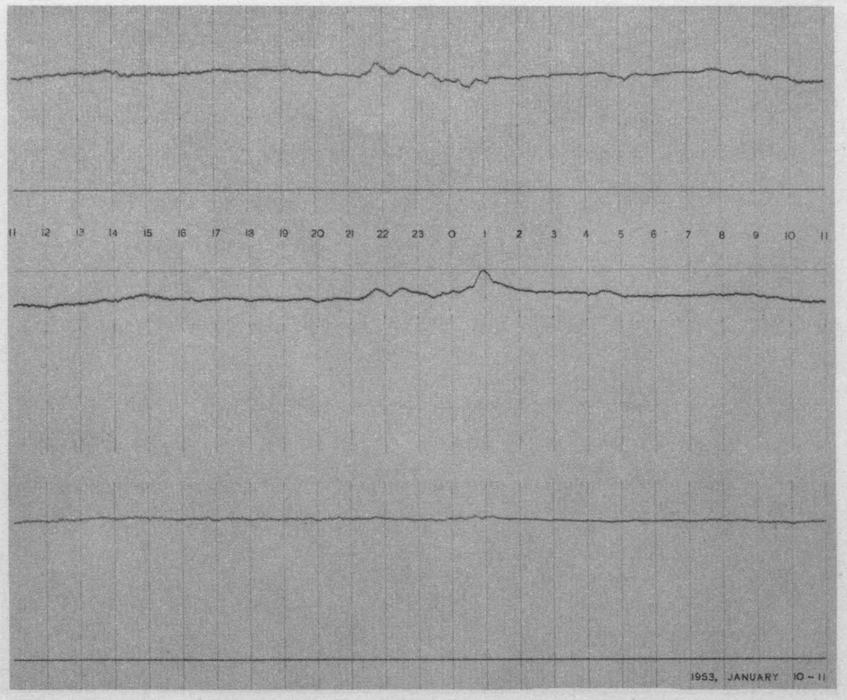
1953, JANUARY 8-9


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30' WEST
Z
100γ
43050γ
1953, JANUARY 9 - 10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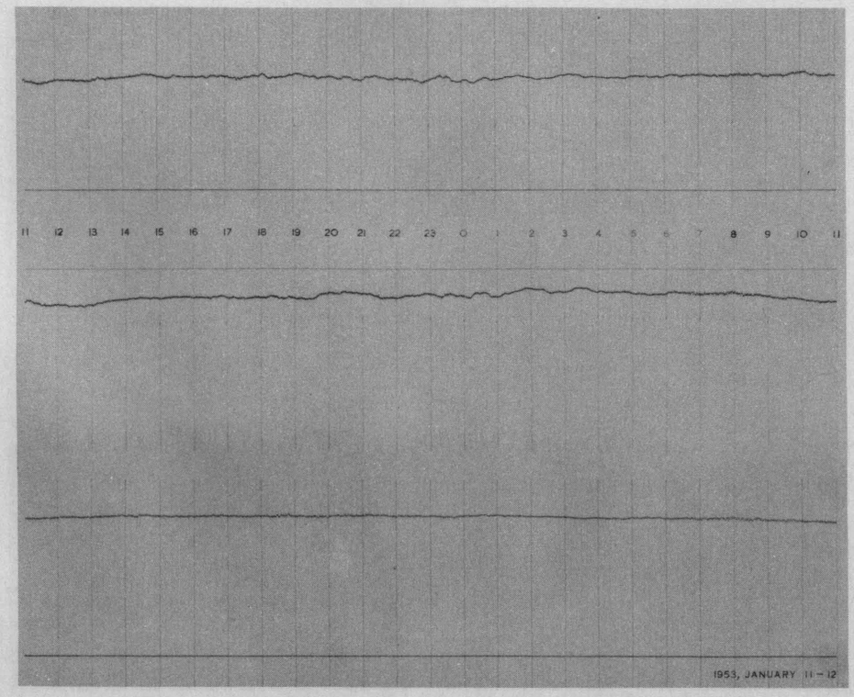
1953, JANUARY 10 - 11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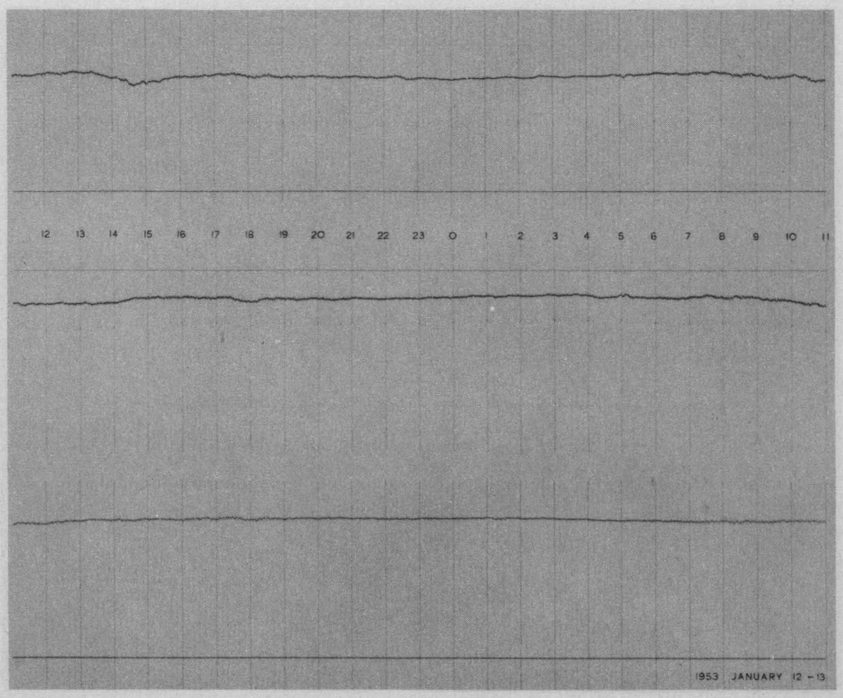
1953, JANUARY 11 - 12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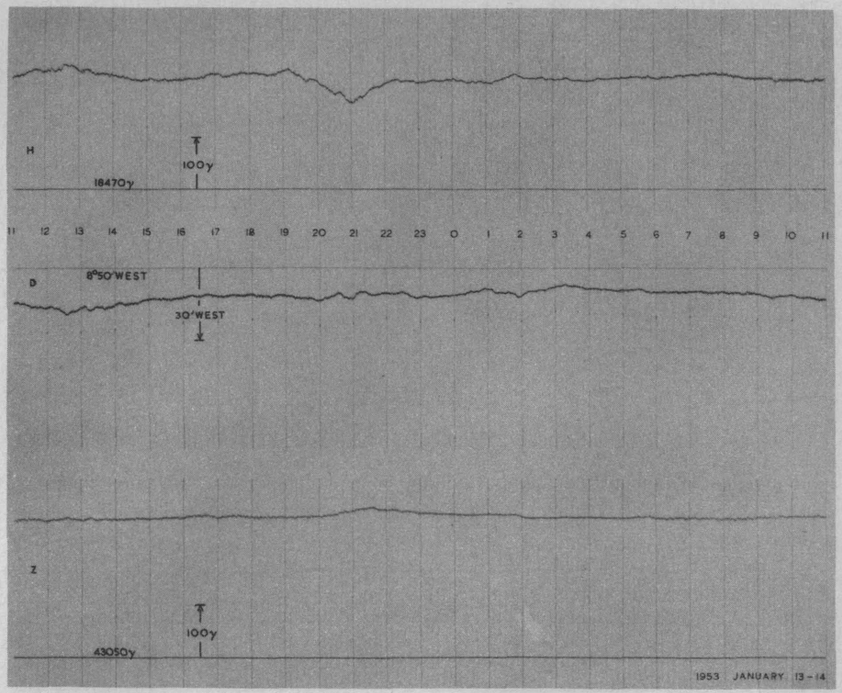
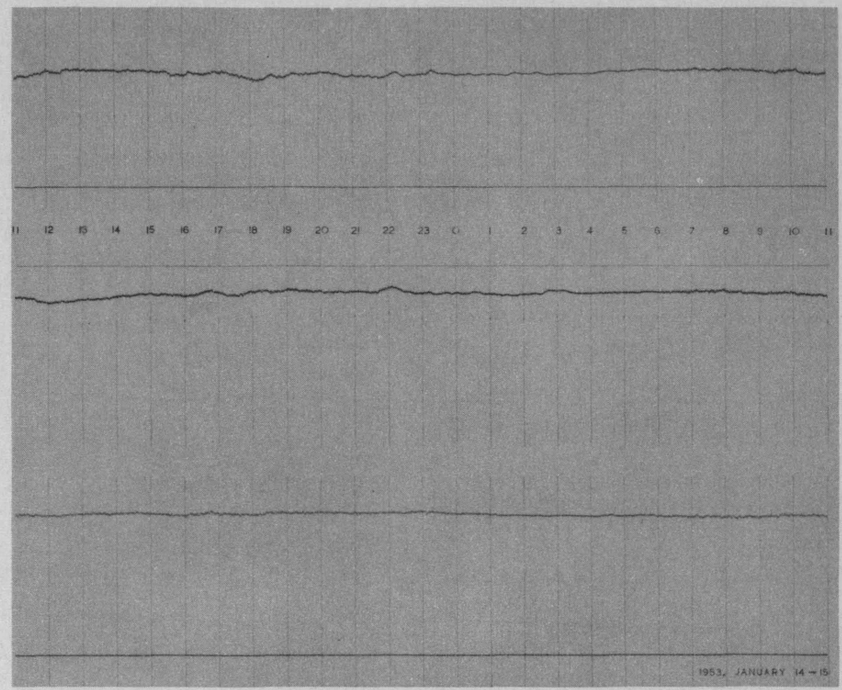
1953 JANUARY 12 - 13


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
100γ
43050γ
1953 JANUARY 13-14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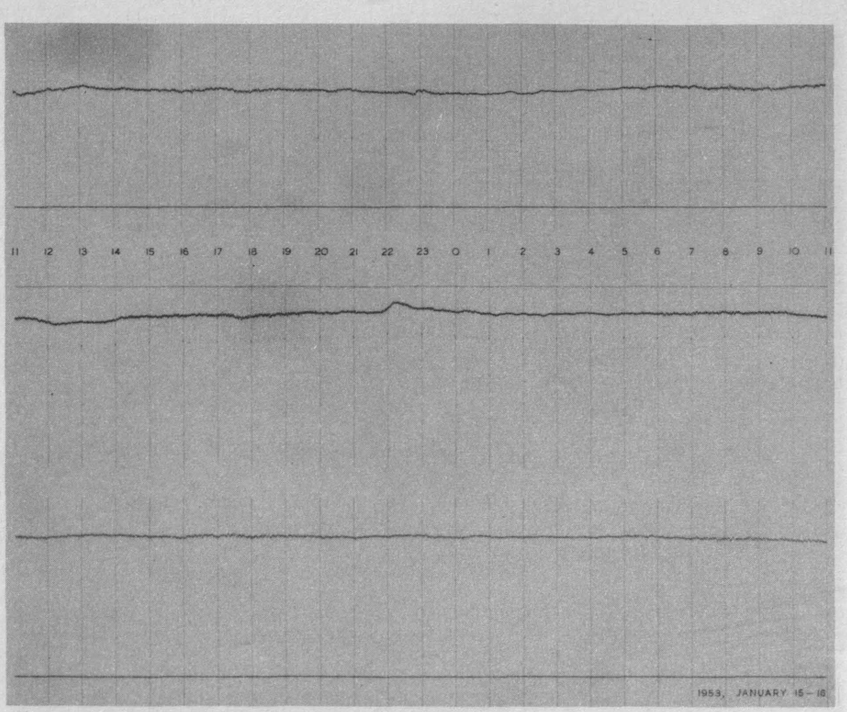
1953, JANUARY 14-15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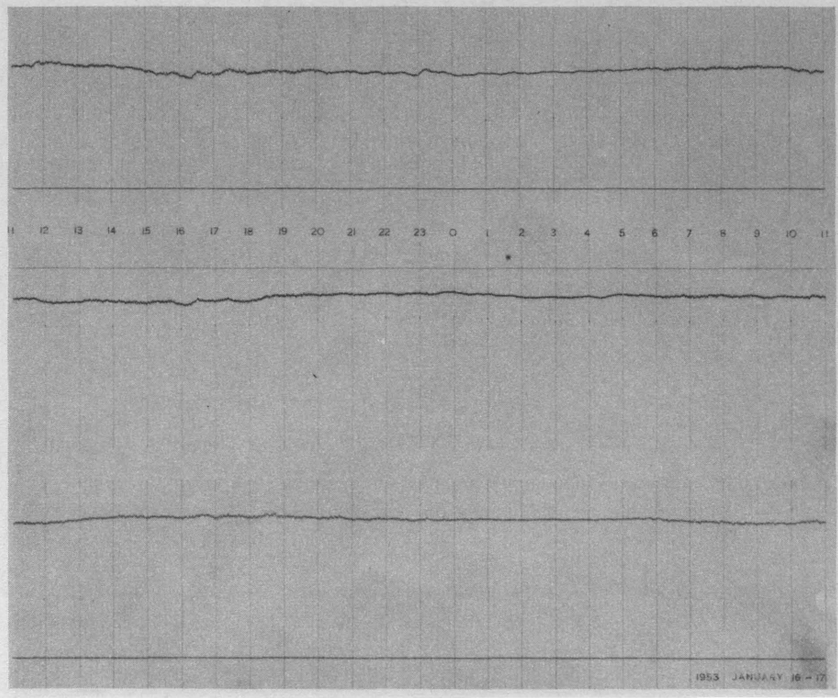
1953, JANUARY 15-16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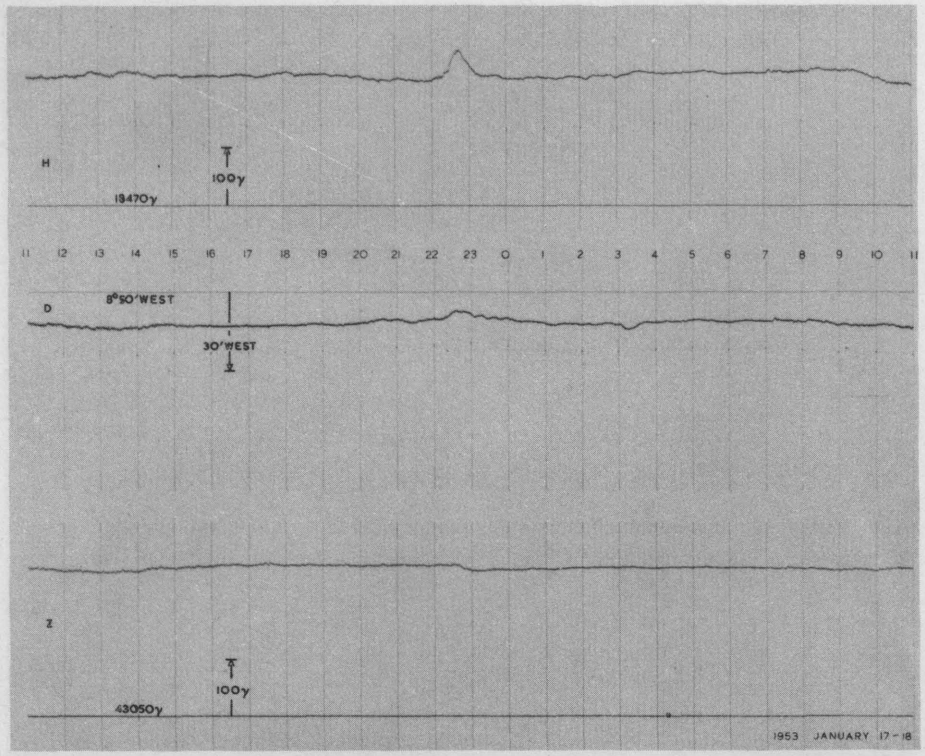
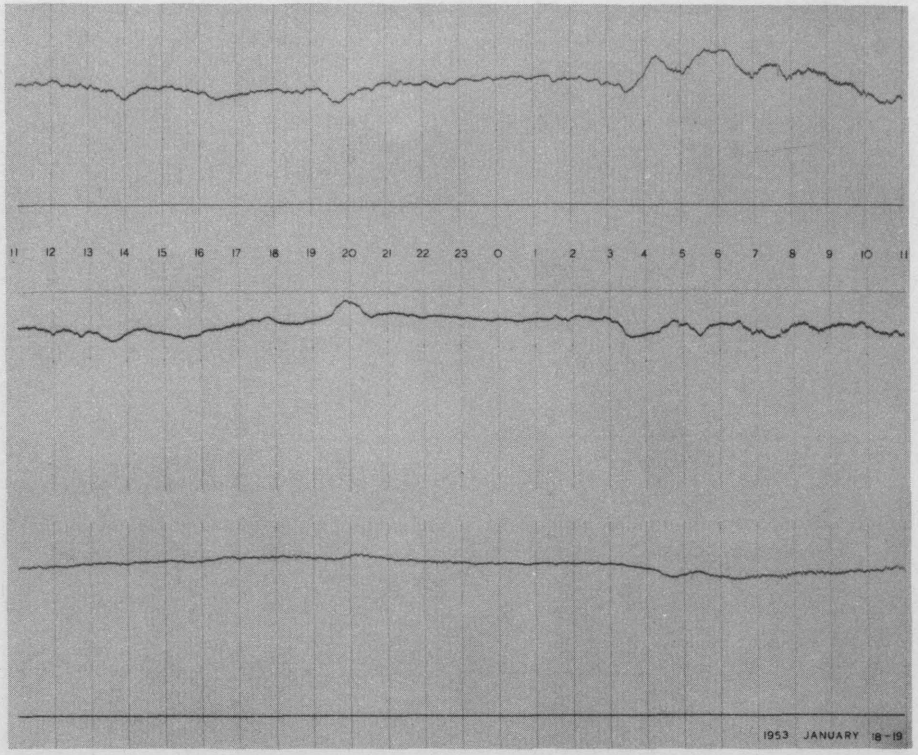
1953 JANUARY 16-17


H
100γ
19470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
100γ
43050γ
1953 JANUARY 17-18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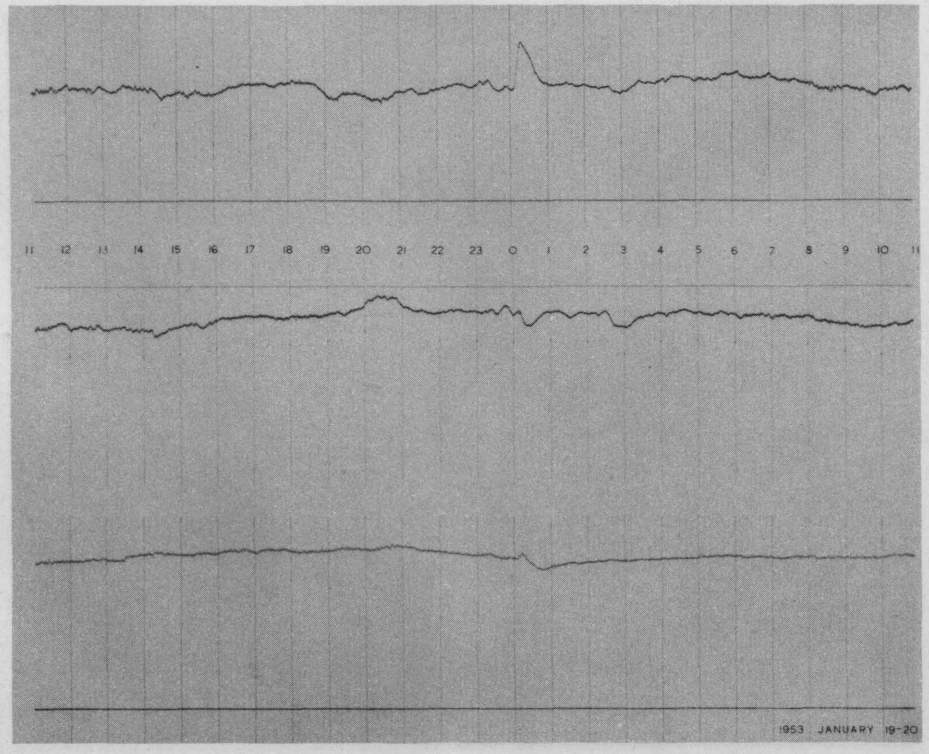
1953 JANUARY 18-19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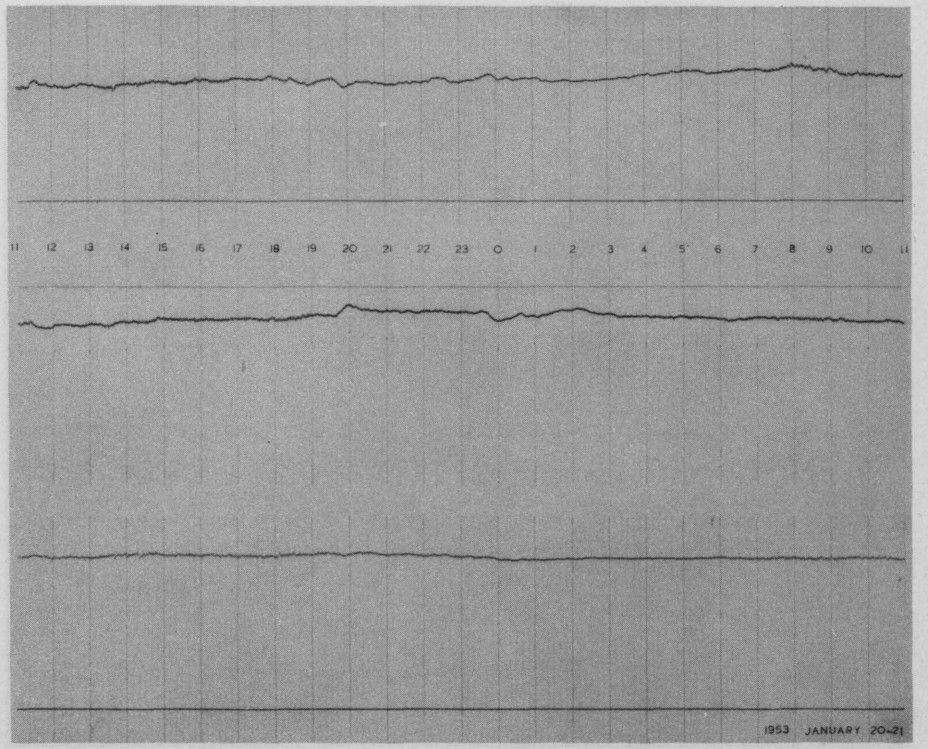
1953 JANUARY 19-20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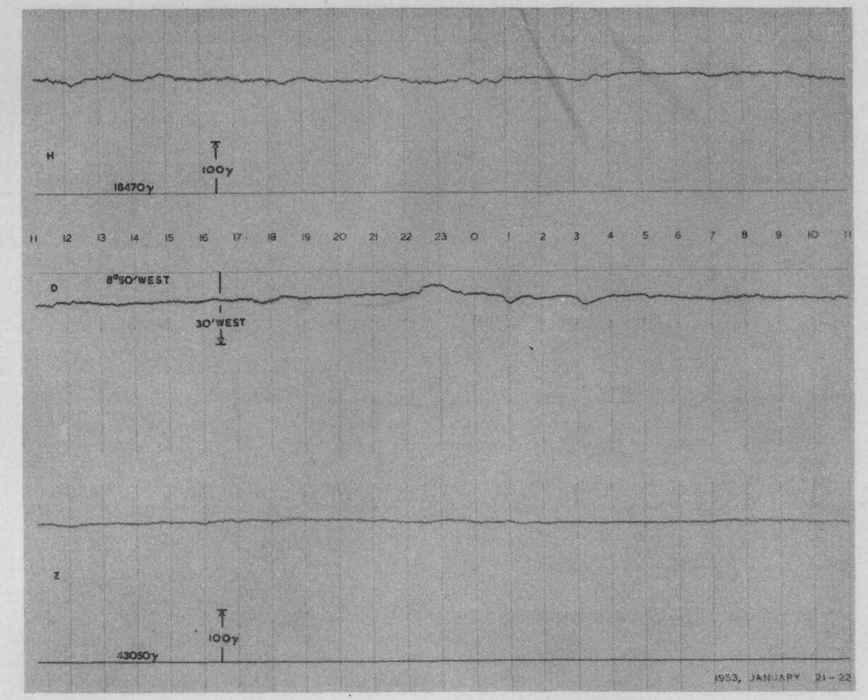
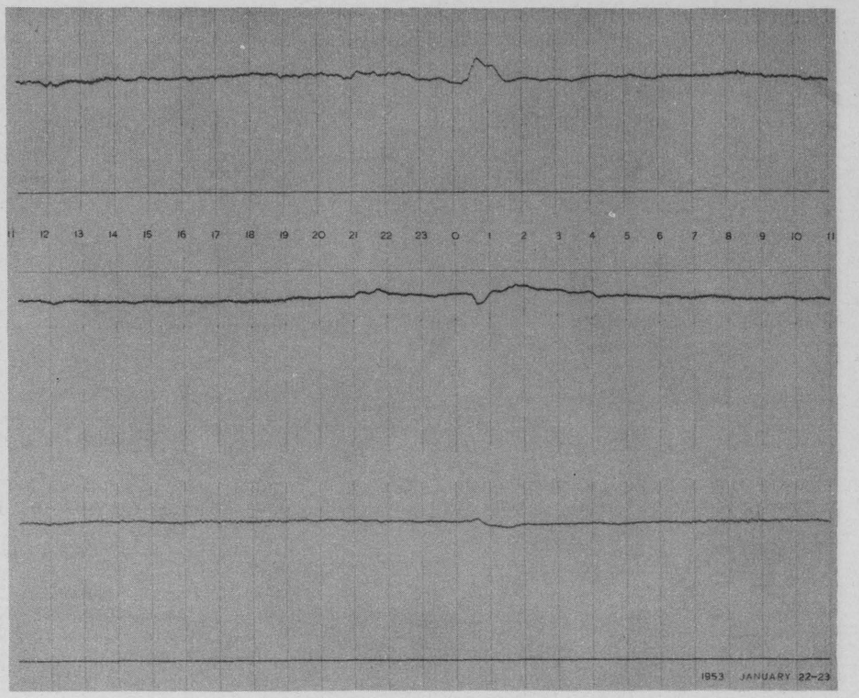
1953 JANUARY 20-21


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
100γ
43050γ
1953, JANUARY 21-22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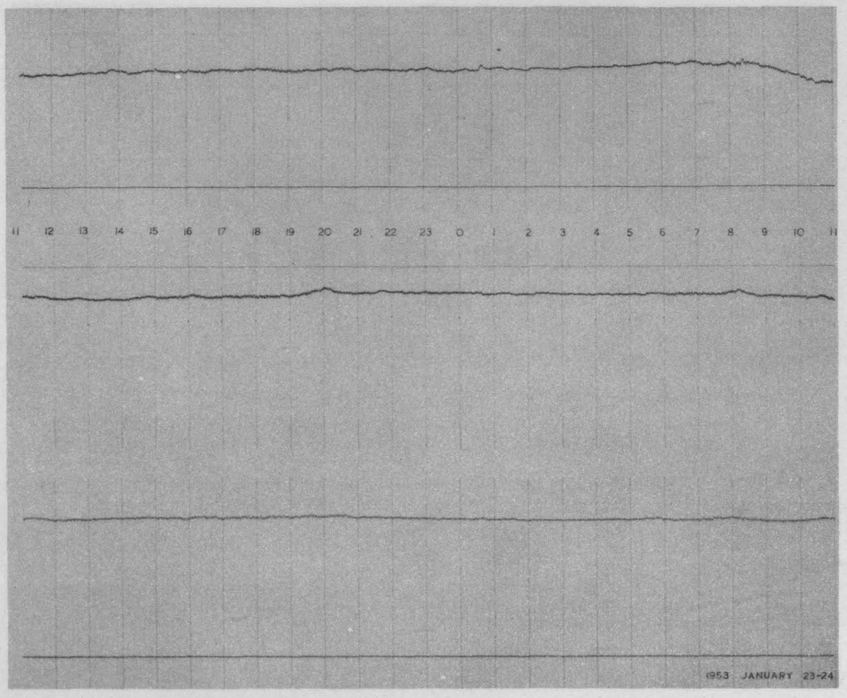
1953 JANUARY 22-23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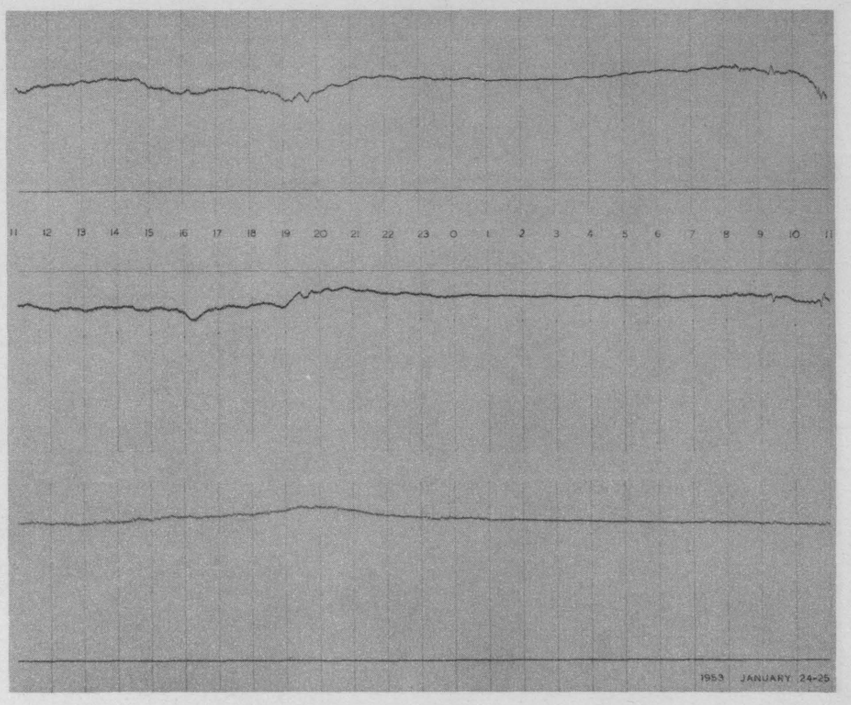
1953 JANUARY 23-24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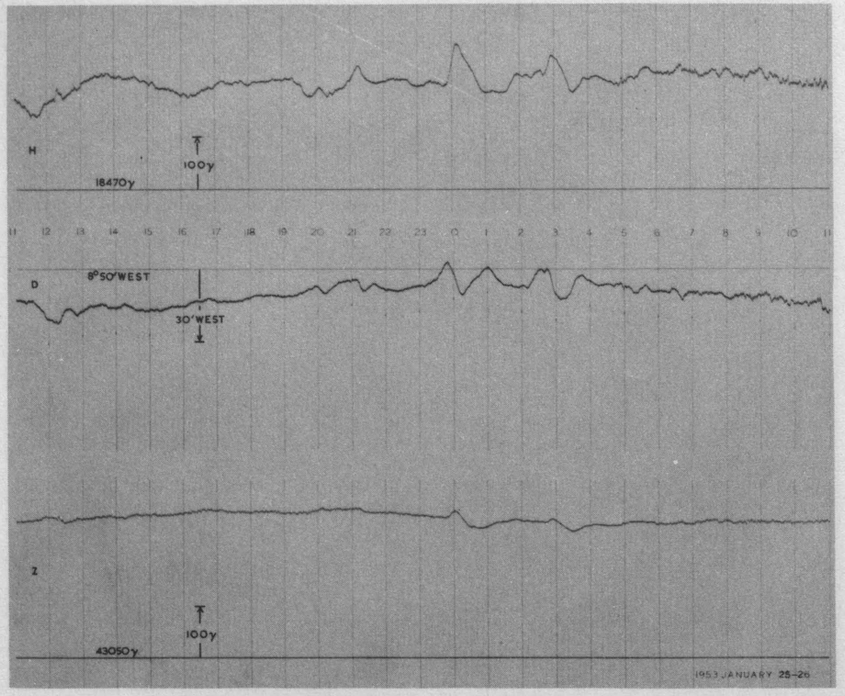
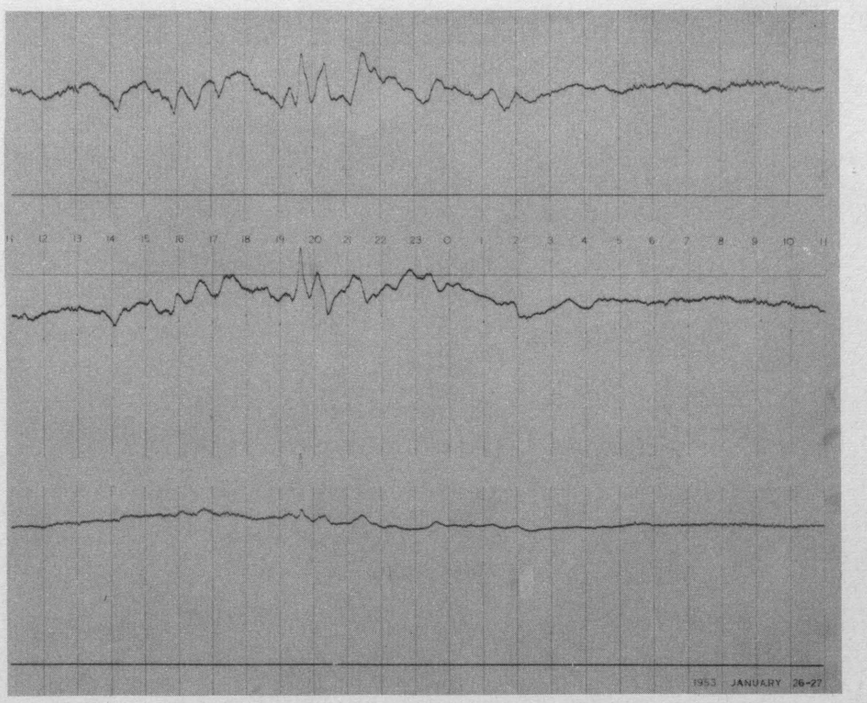
1953 JANUARY 24-25


H
18470γ
100γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
43050γ
100γ
1953 JANUARY 25-26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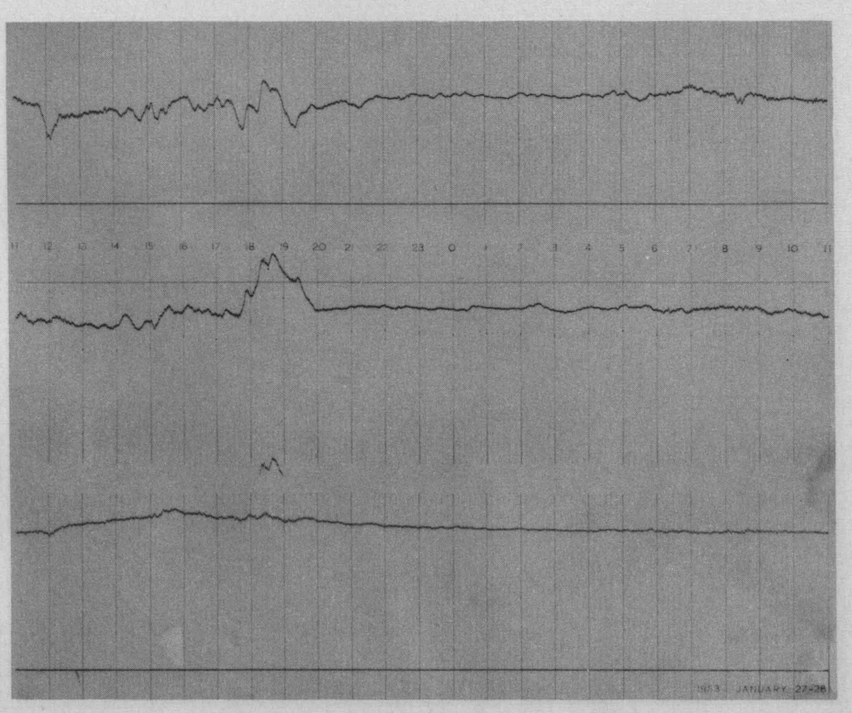
1953 JANUARY 26-27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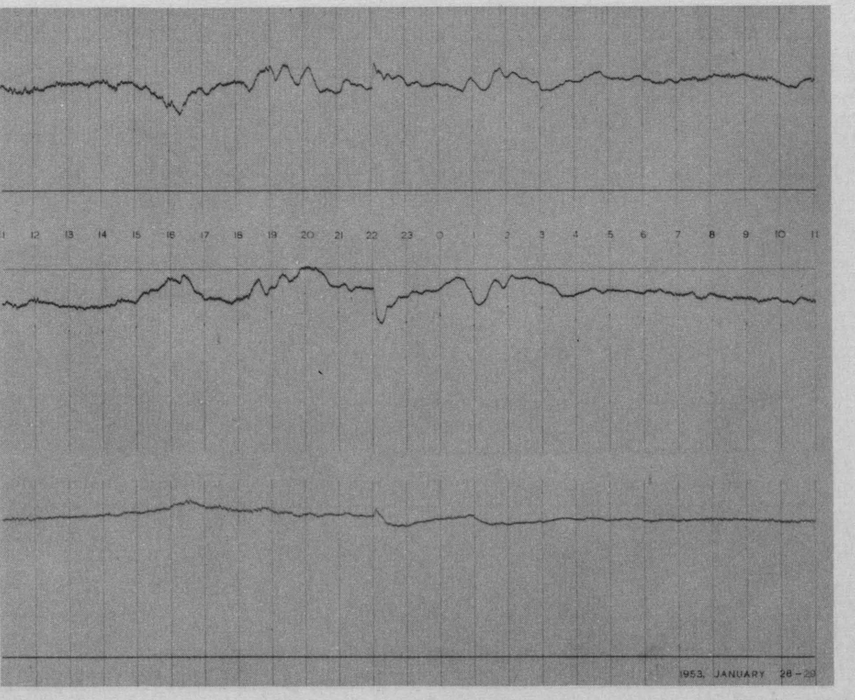
1953 JANUARY 27-28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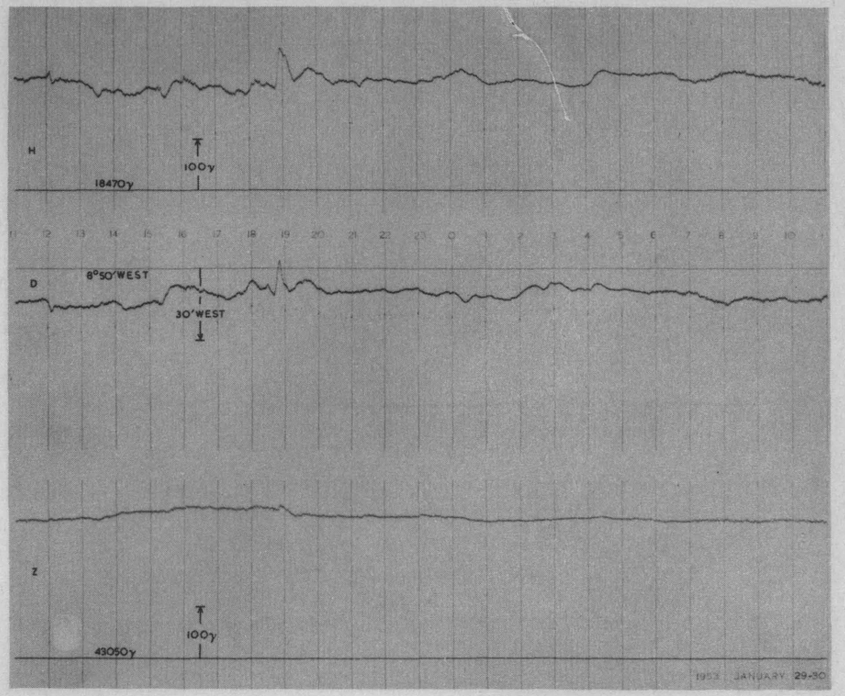
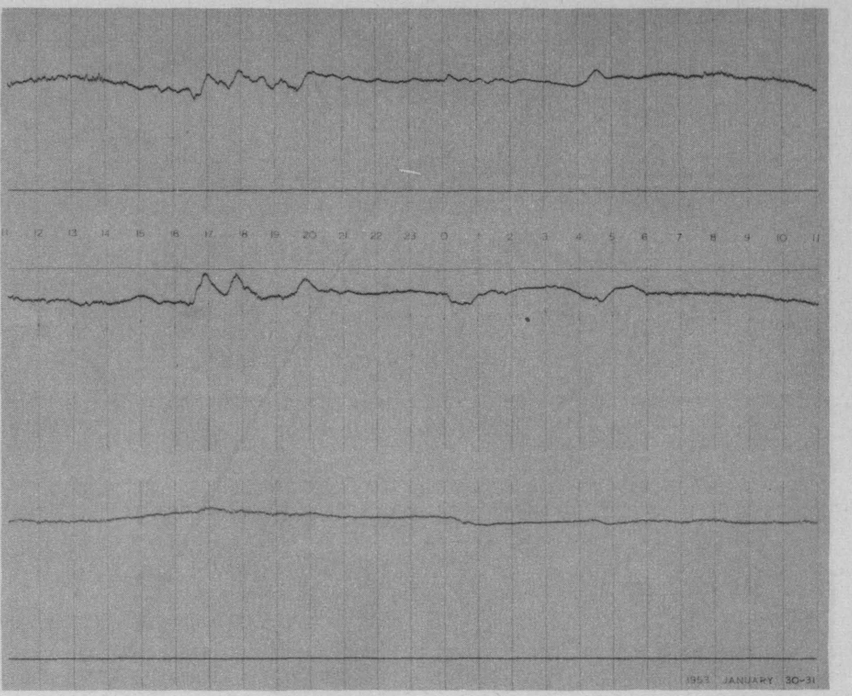
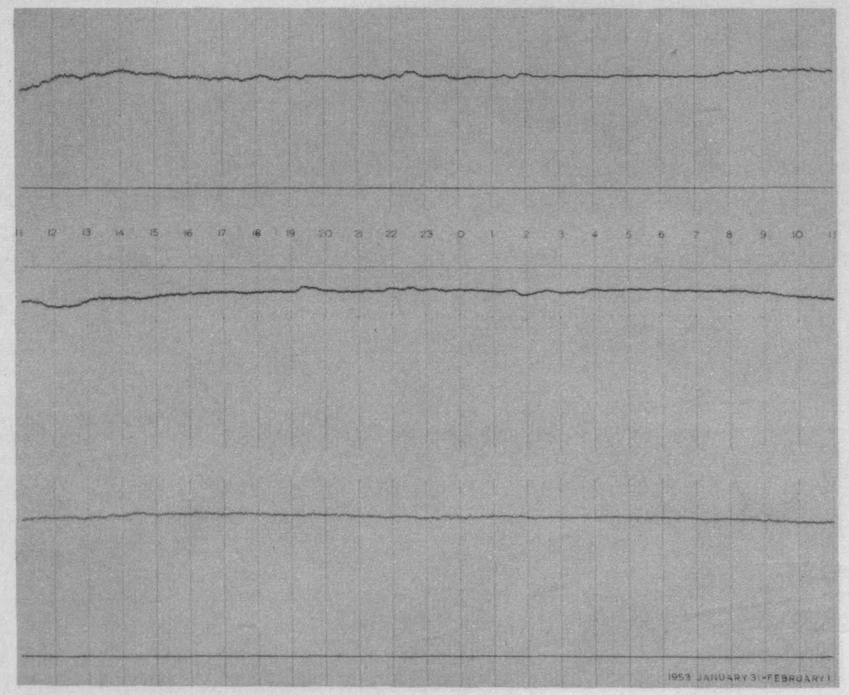
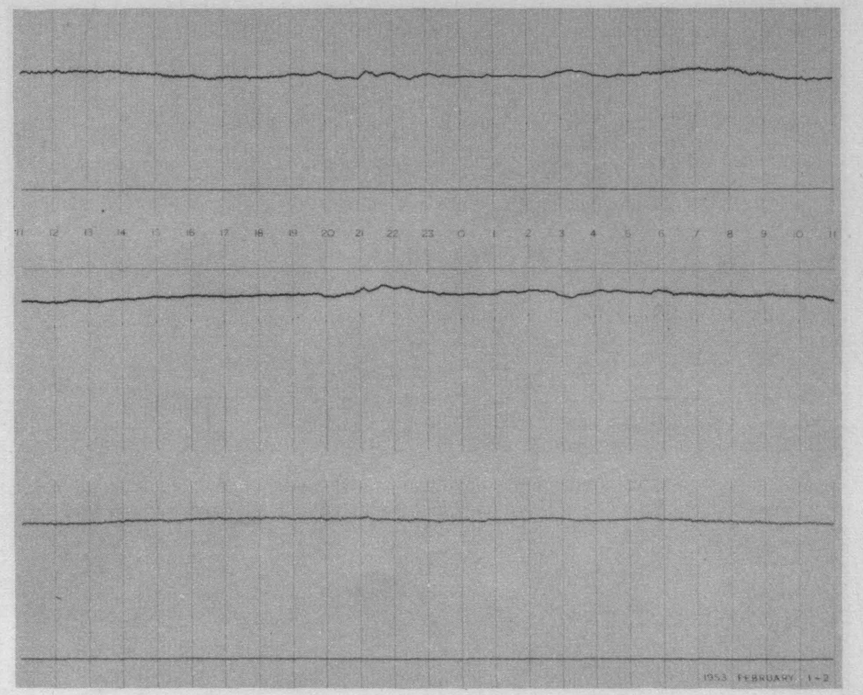
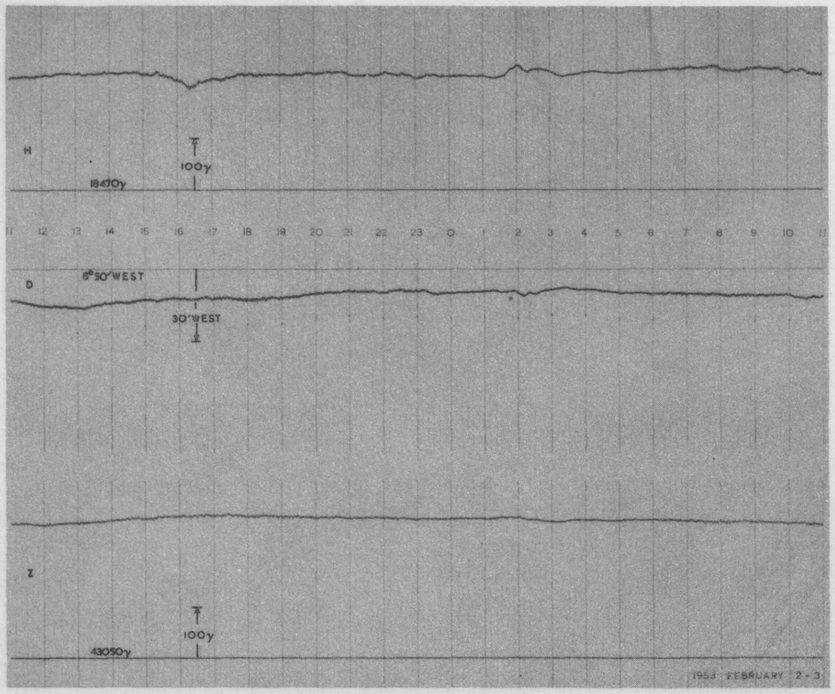
1953 JANUARY 28-29

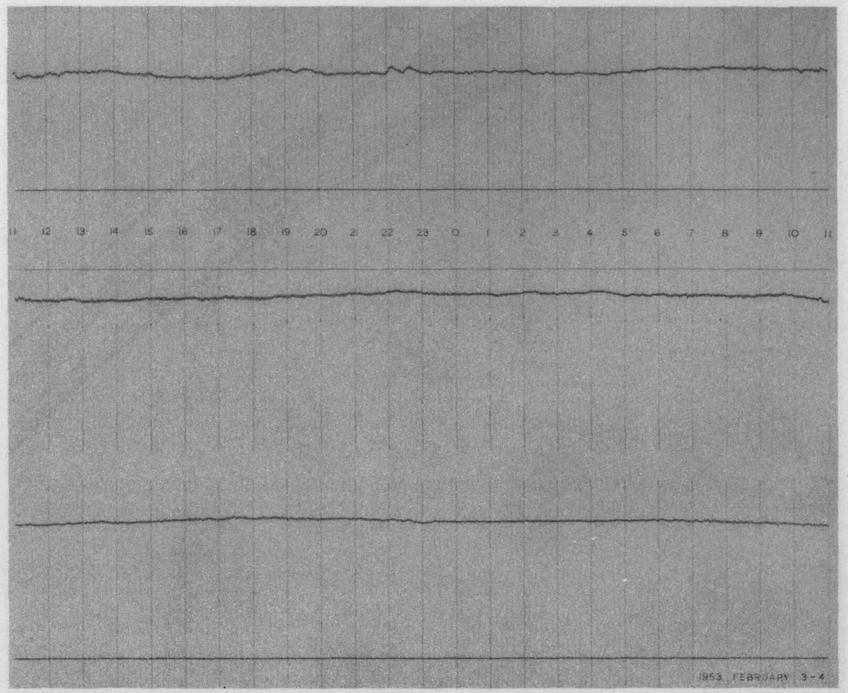

H
100γ
18470γ
D
8°50' WEST
30' WEST
Z
100γ
43050γ
1953 JANUARY 29-30


1953 JANUARY 30-31


1953 JANUARY 31-FEBRUARY 1


1953 FEBRUARY 1-2


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
100γ
43050γ
1953 FEBRUARY 2-3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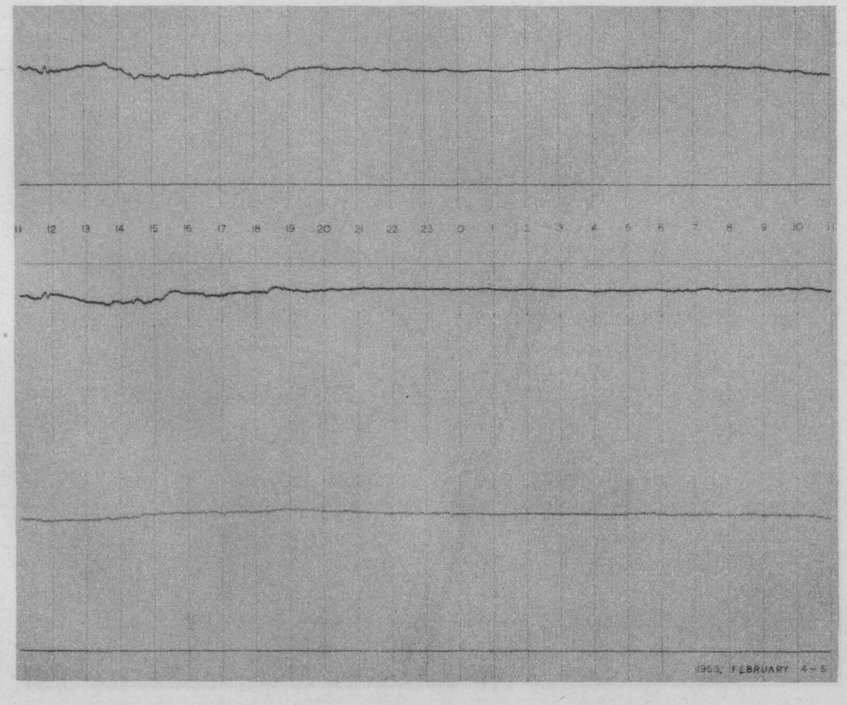
1953 FEBRUARY 3-4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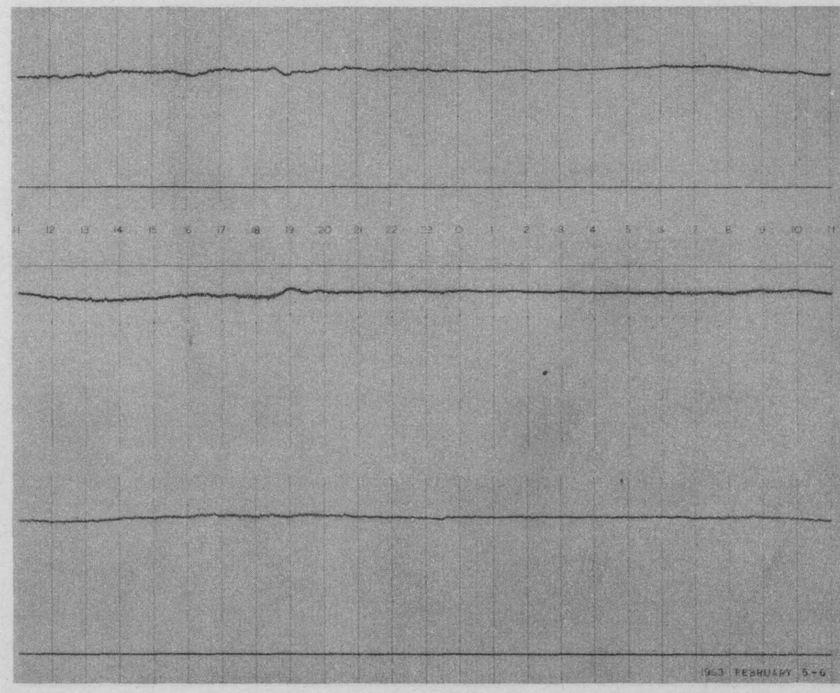
1953 FEBRUARY 4-5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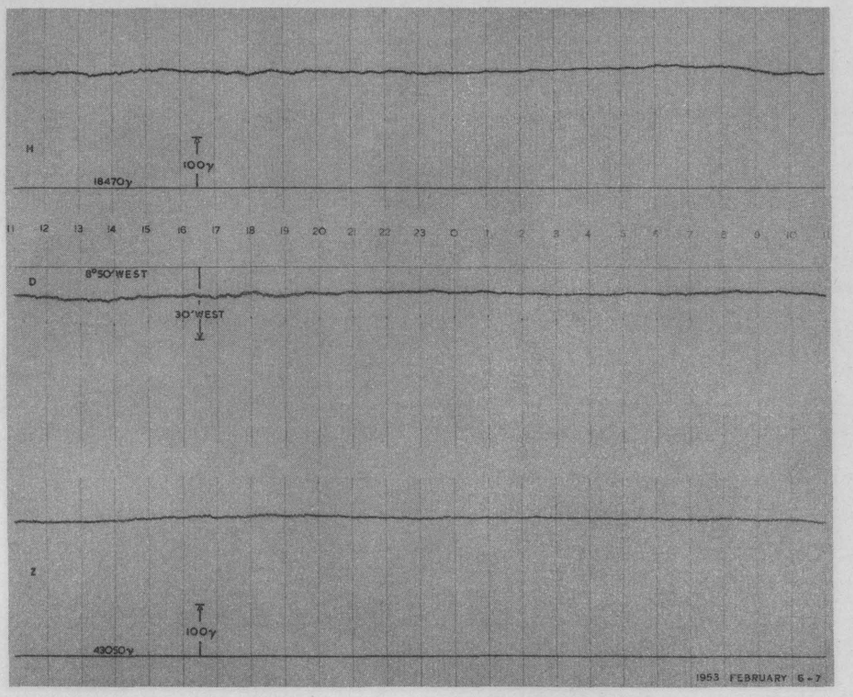
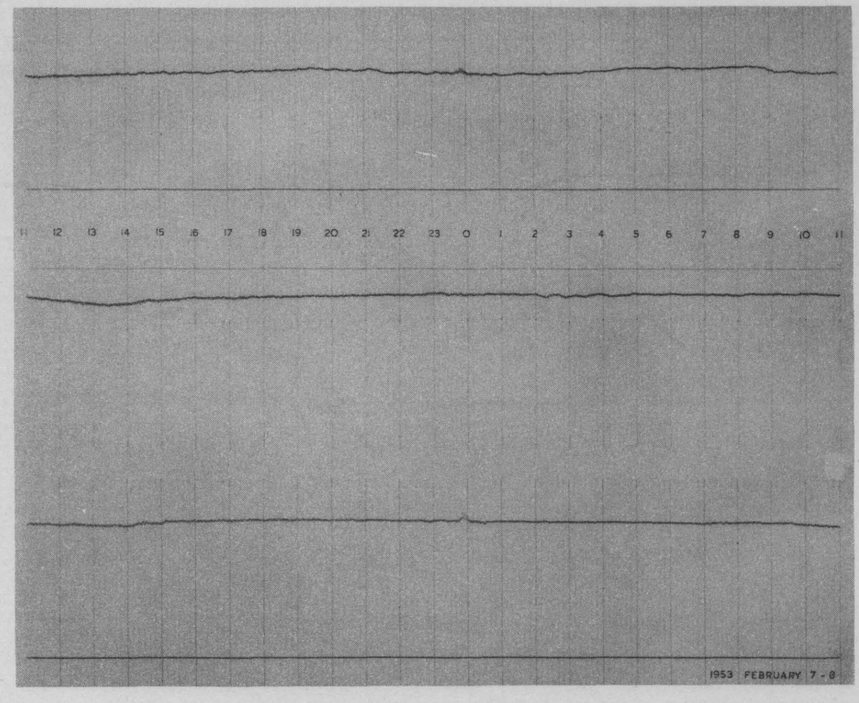
1953 FEBRUARY 5-6


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
100γ
43050γ
1953 FEBRUARY 6-7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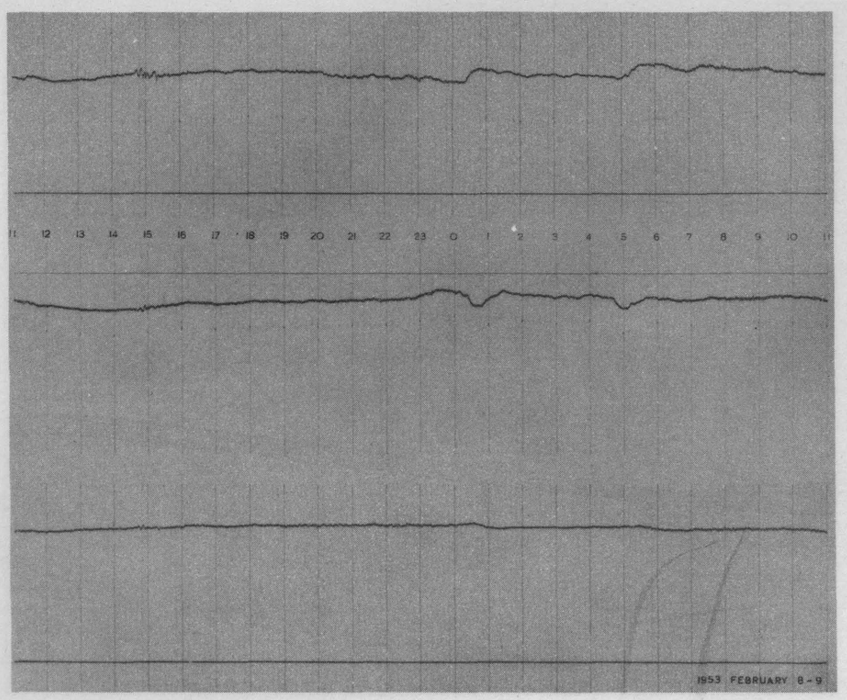
1953 FEBRUARY 7-8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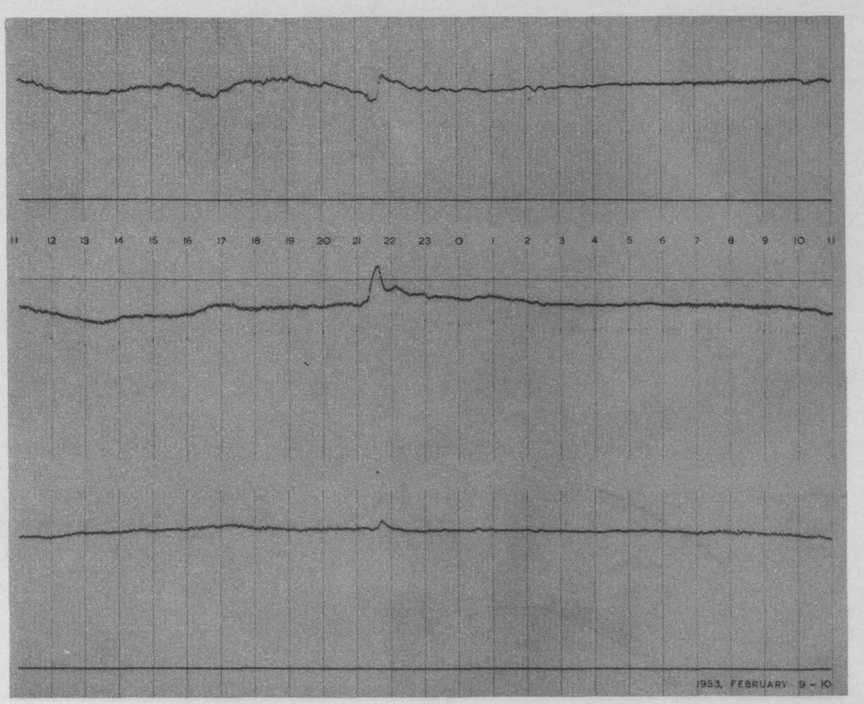
1953 FEBRUARY 8-9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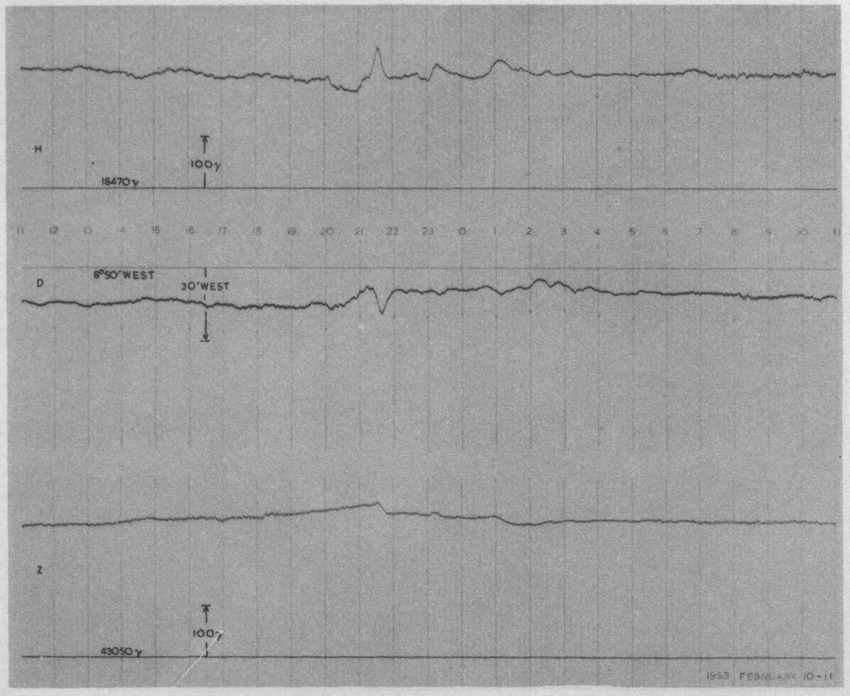
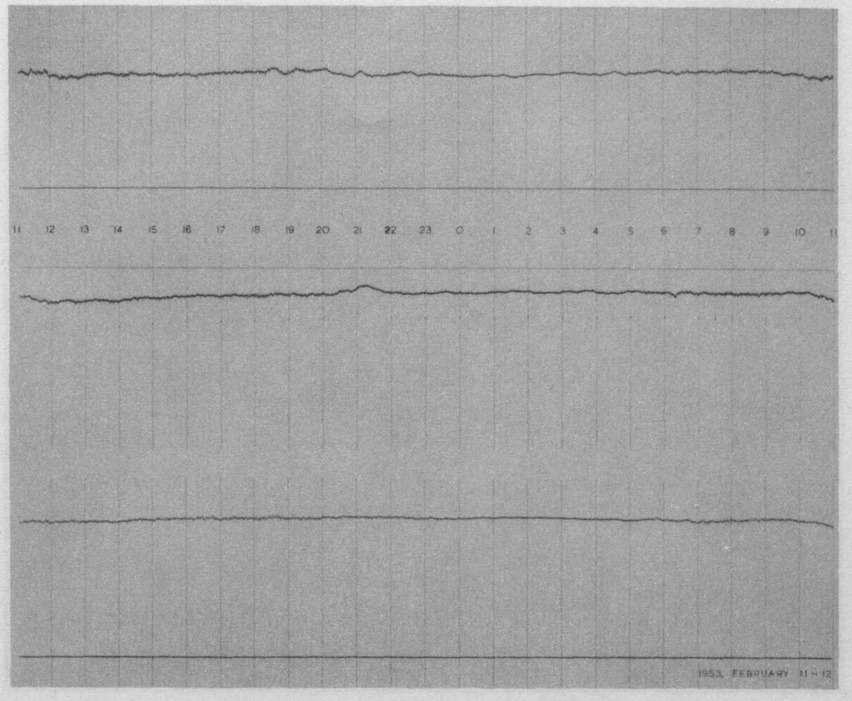
1953, FEBRUARY 9-10


H
18470γ
100γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50' WEST
30' WEST
Z
43050γ
100γ
1953 FEBRUARY 10-11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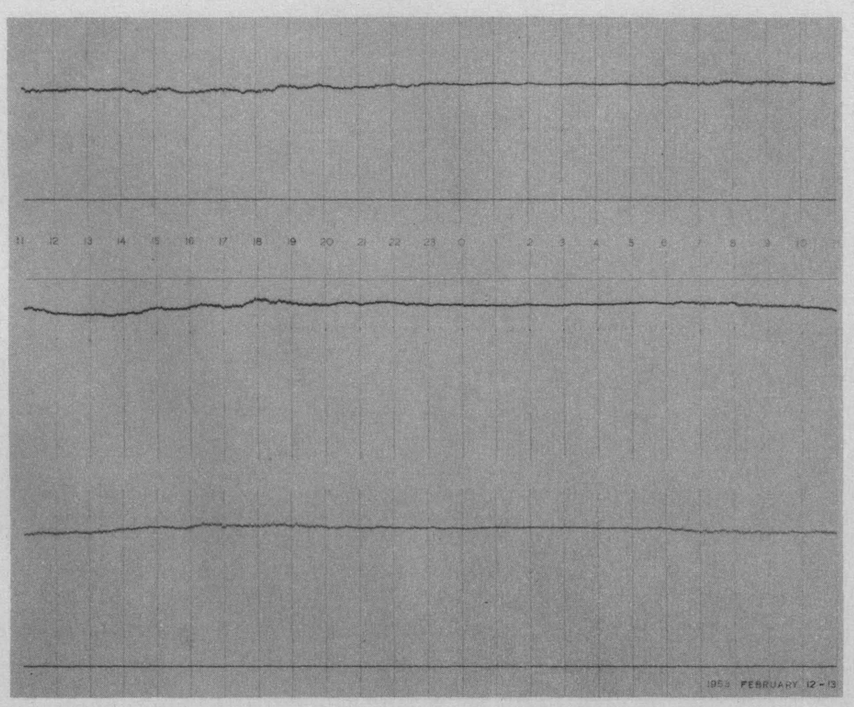
1953 FEBRUARY 11-12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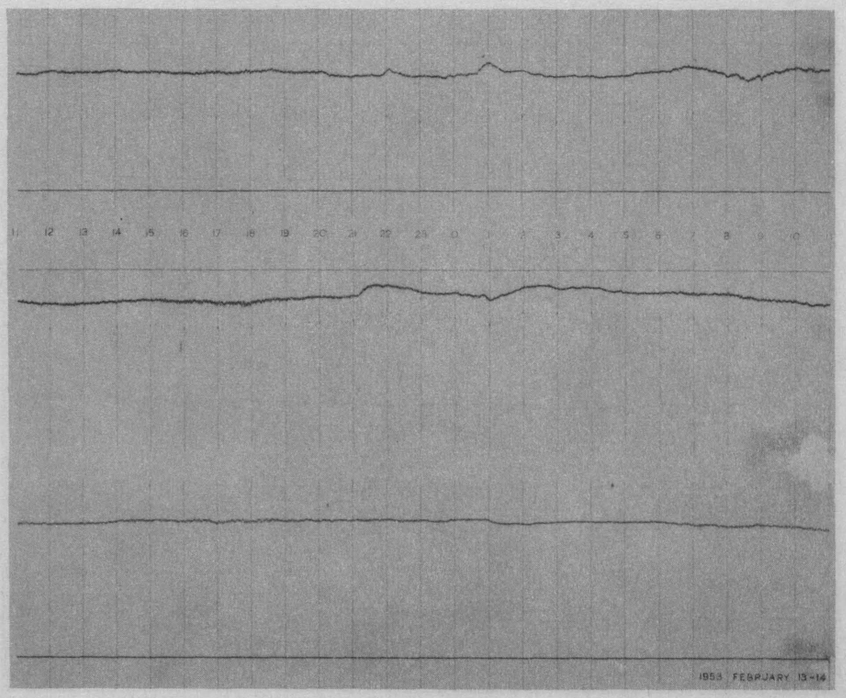
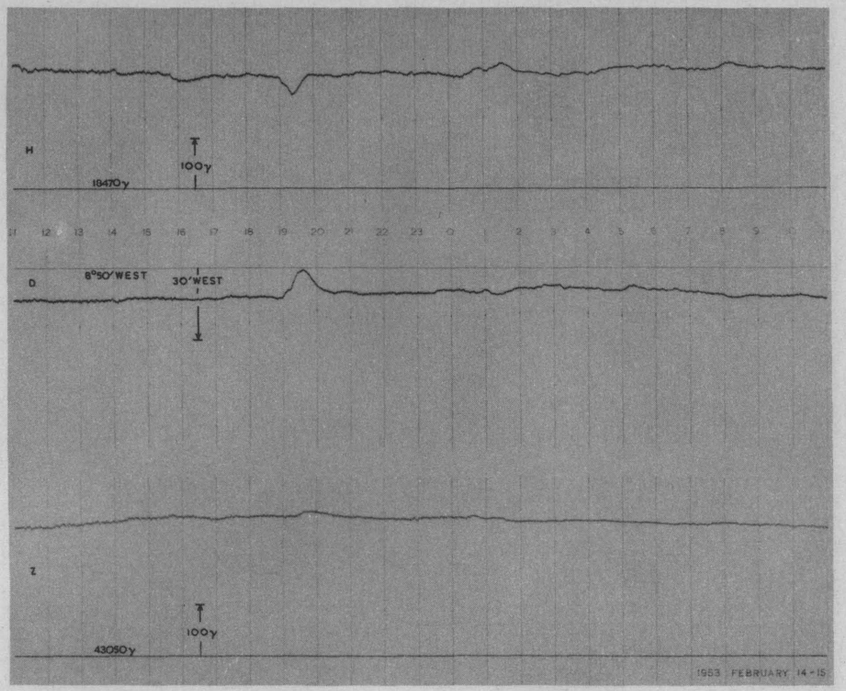
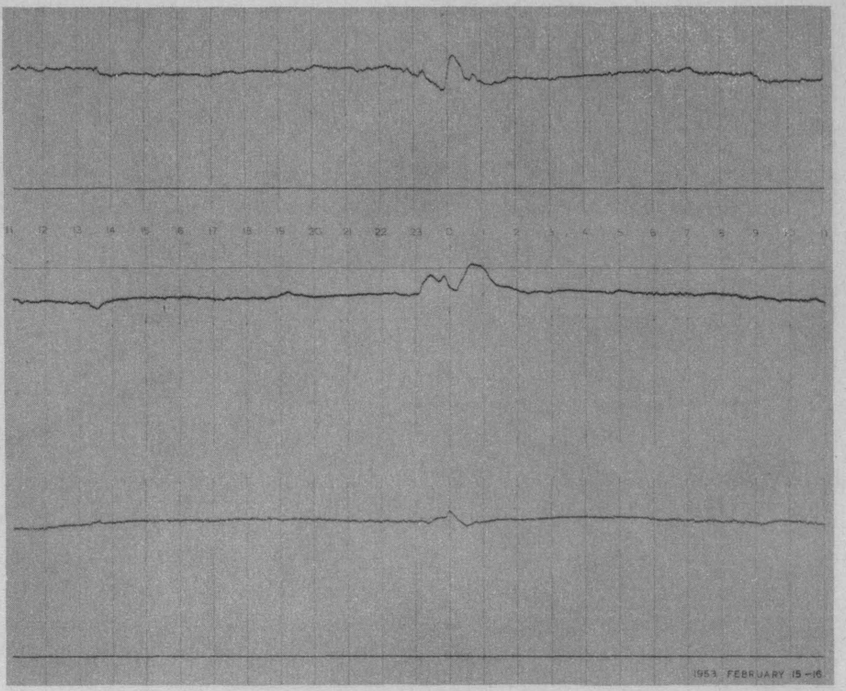
1953 FEBRUARY 12-13


1953 FEBRUARY 13-14


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50' WEST
30' WEST
Z
100γ
43050γ
1953 FEBRUARY 14-15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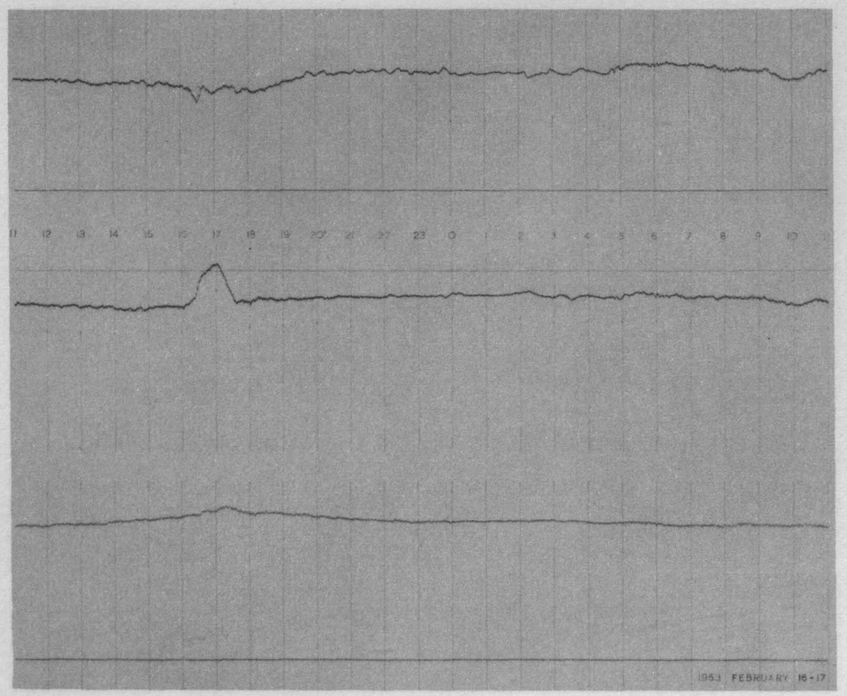
1953 FEBRUARY 15-16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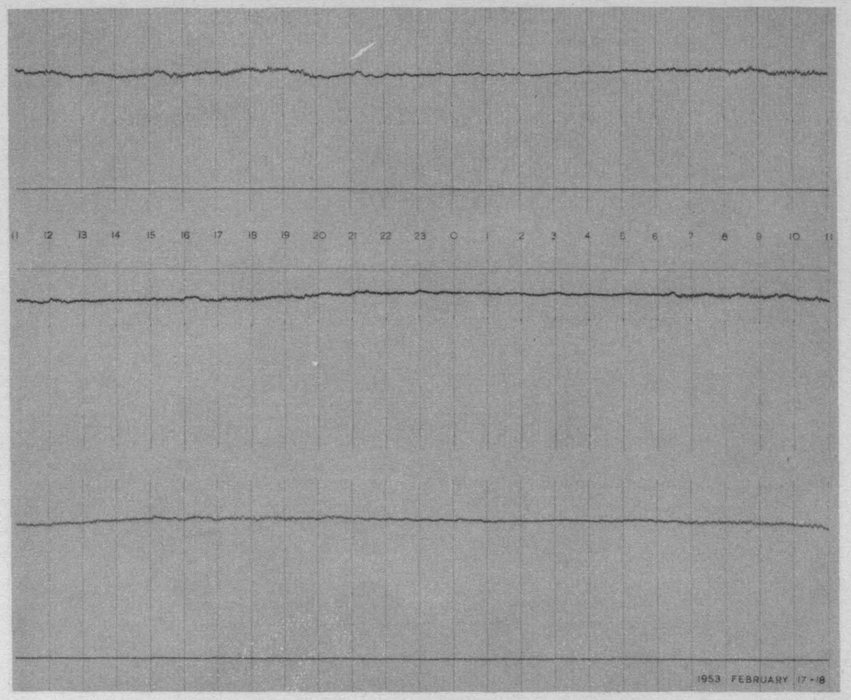
1953 FEBRUARY 16-17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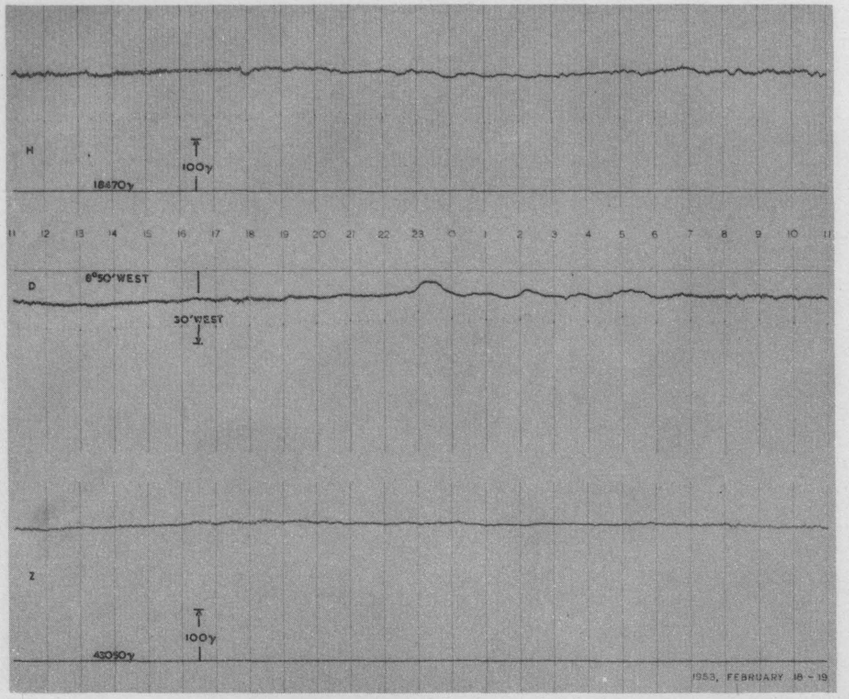
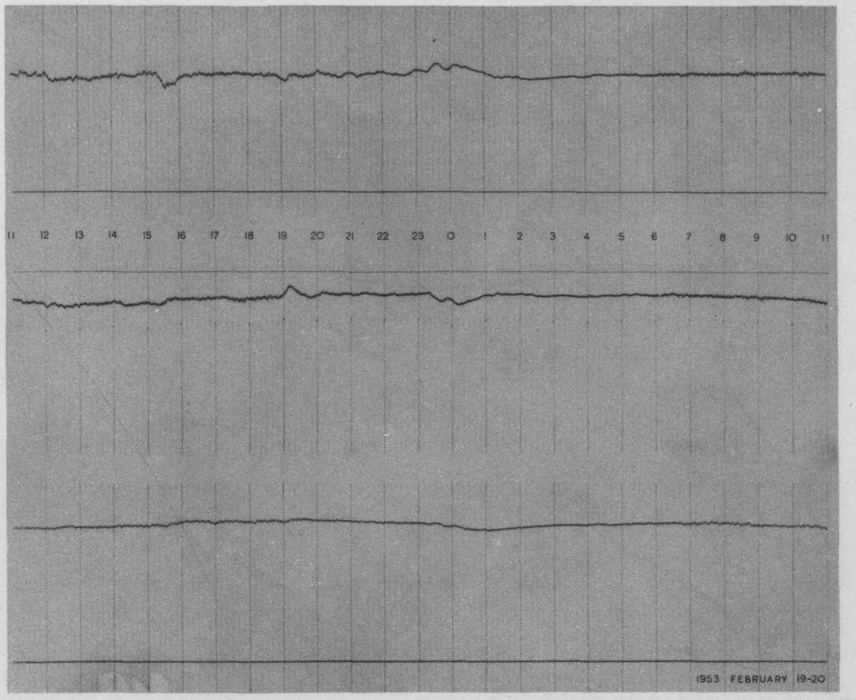
1953 FEBRUARY 17-18


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
6°50'WEST
30'WEST
Z
100γ
43090γ
1953 FEBRUARY 18 - 19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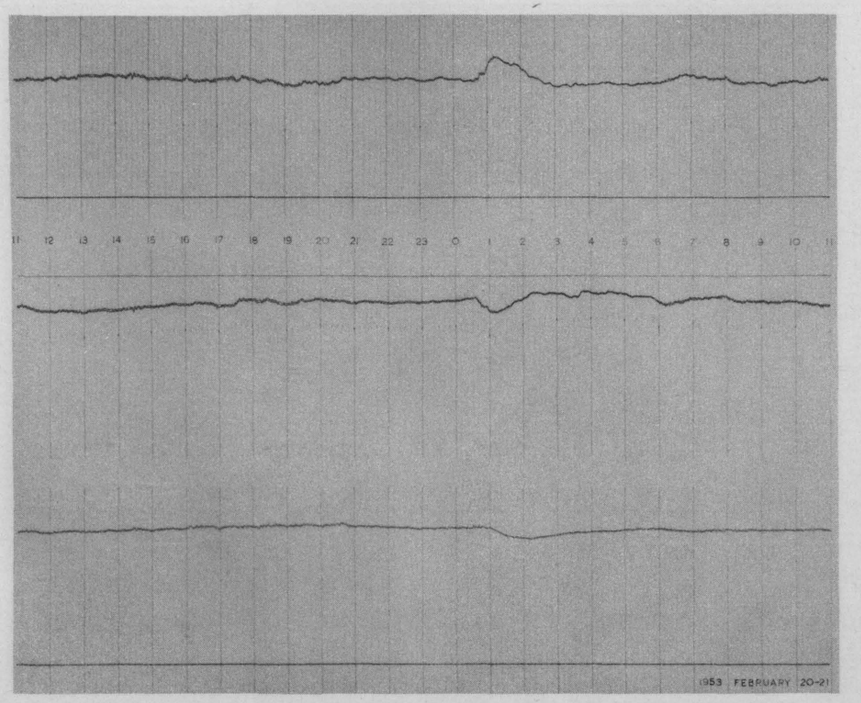
1953 FEBRUARY 19-20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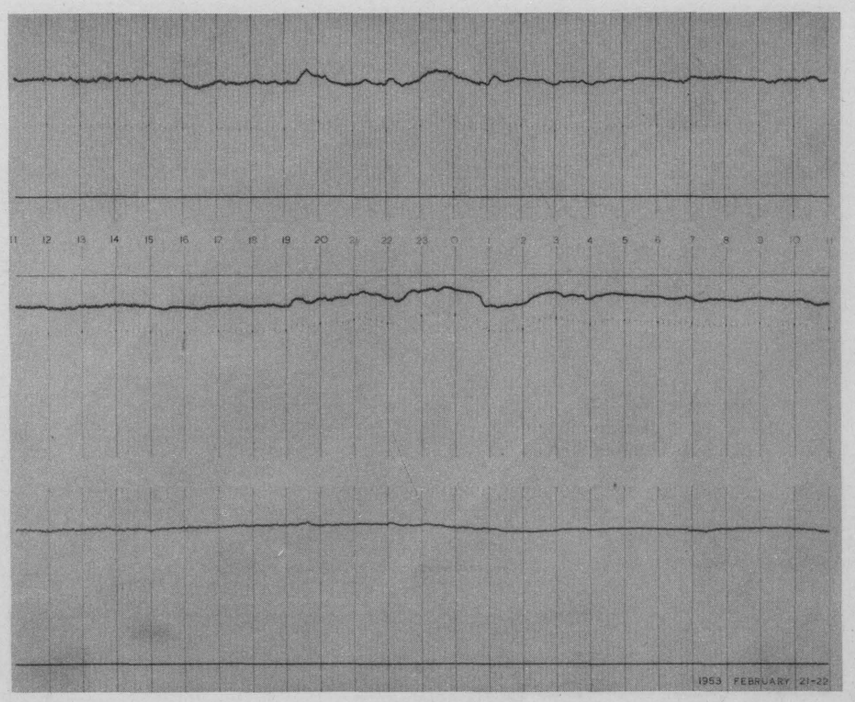
1953 FEBRUARY 20-21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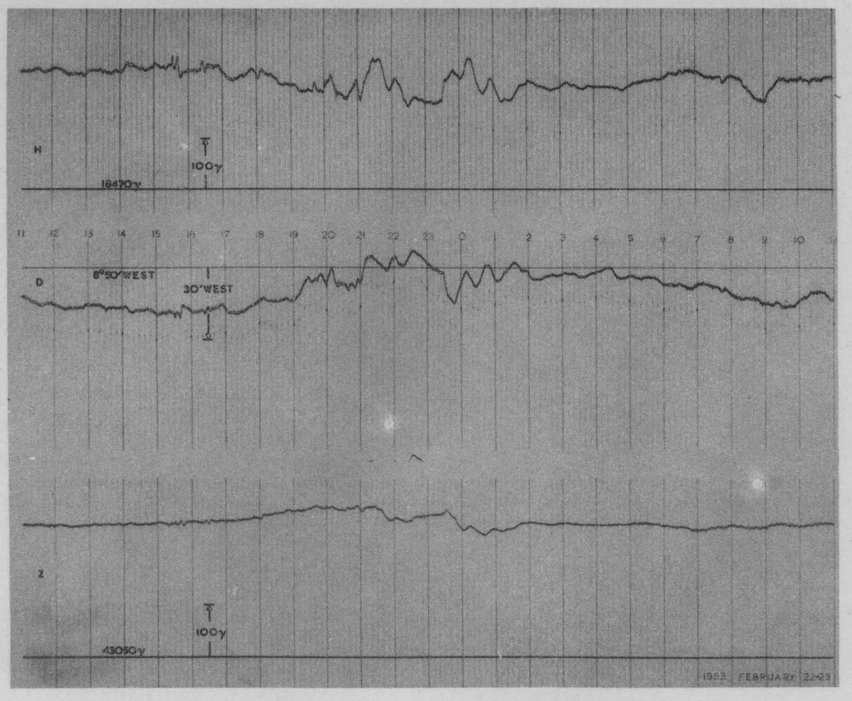
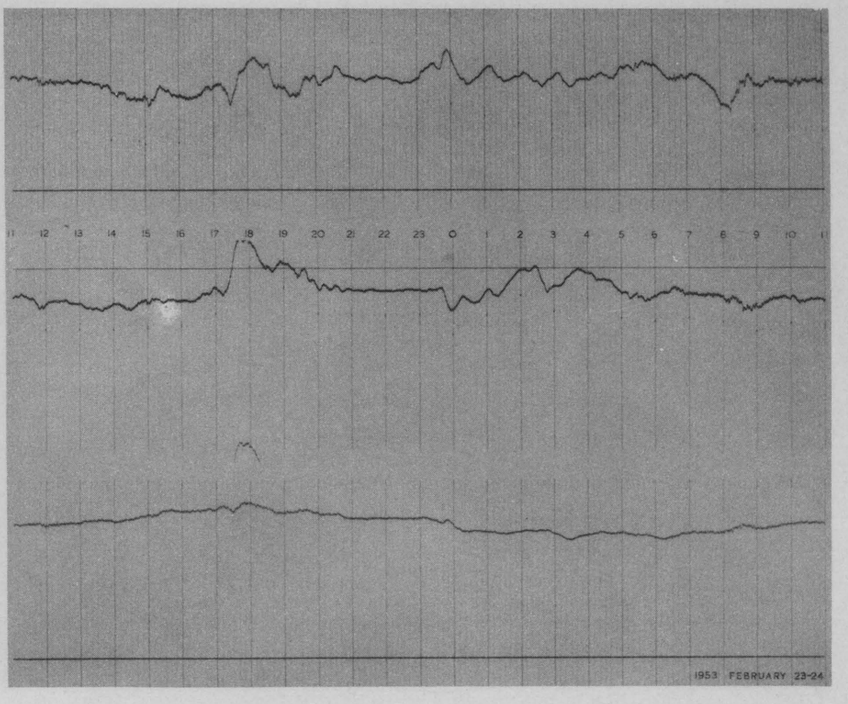
1953 FEBRUARY 21-22


H
100γ
18420γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
100γ
43050γ
1953 FEBRUARY 22-23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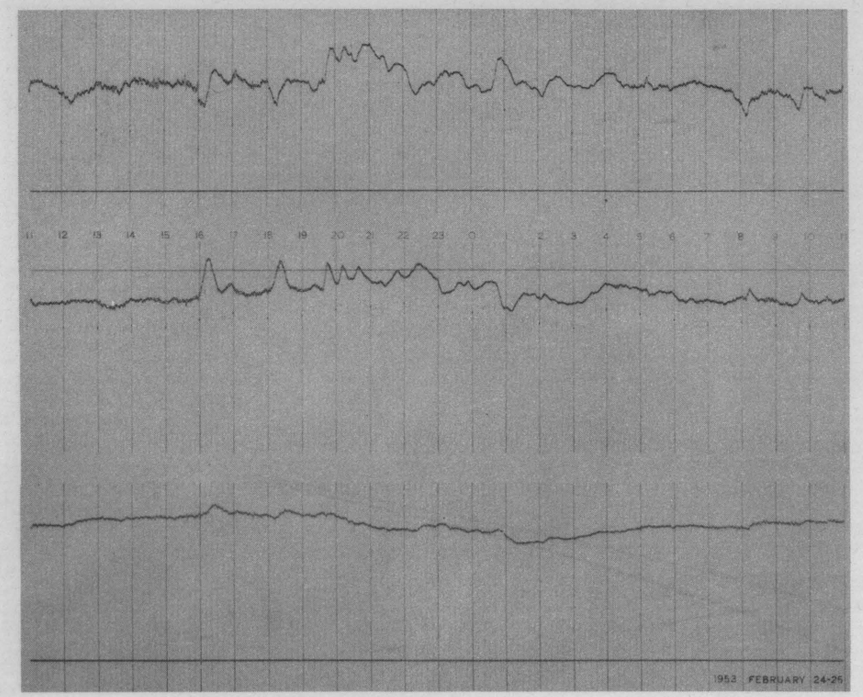
1953 FEBRUARY 23-24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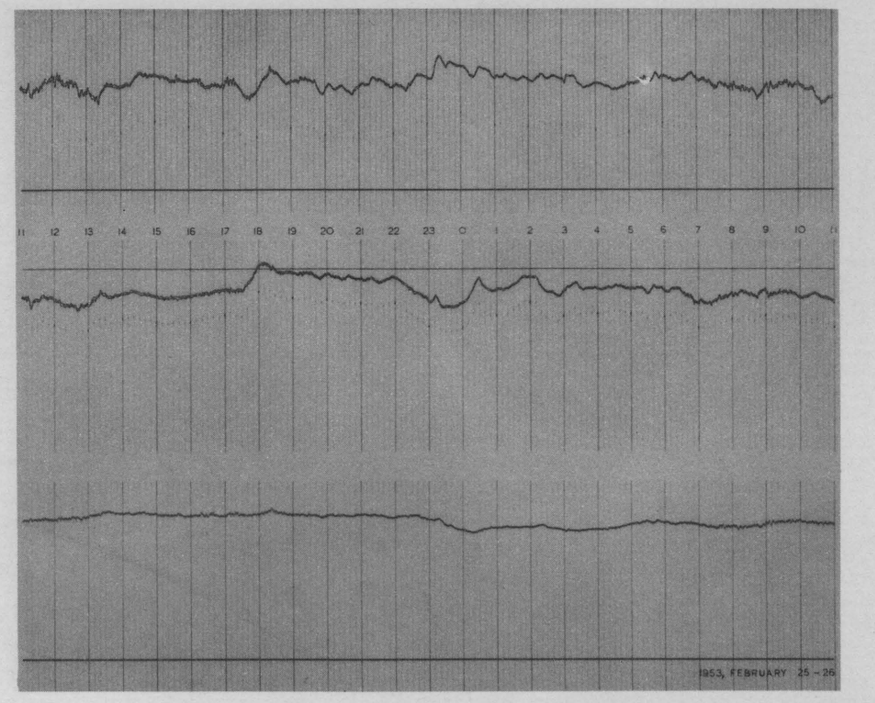
1953 FEBRUARY 24-25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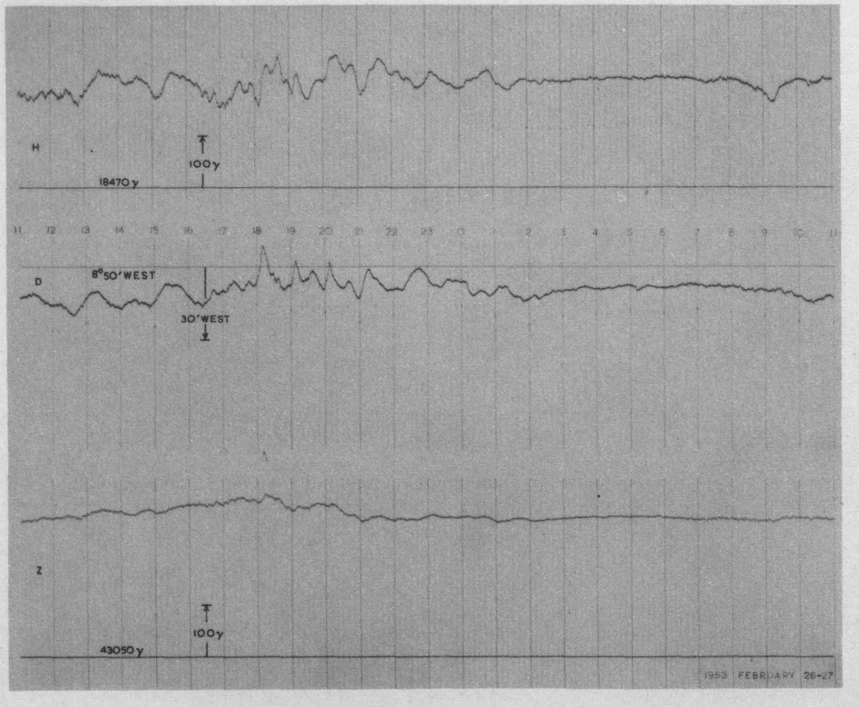
1953, FEBRUARY 25 - 26


H
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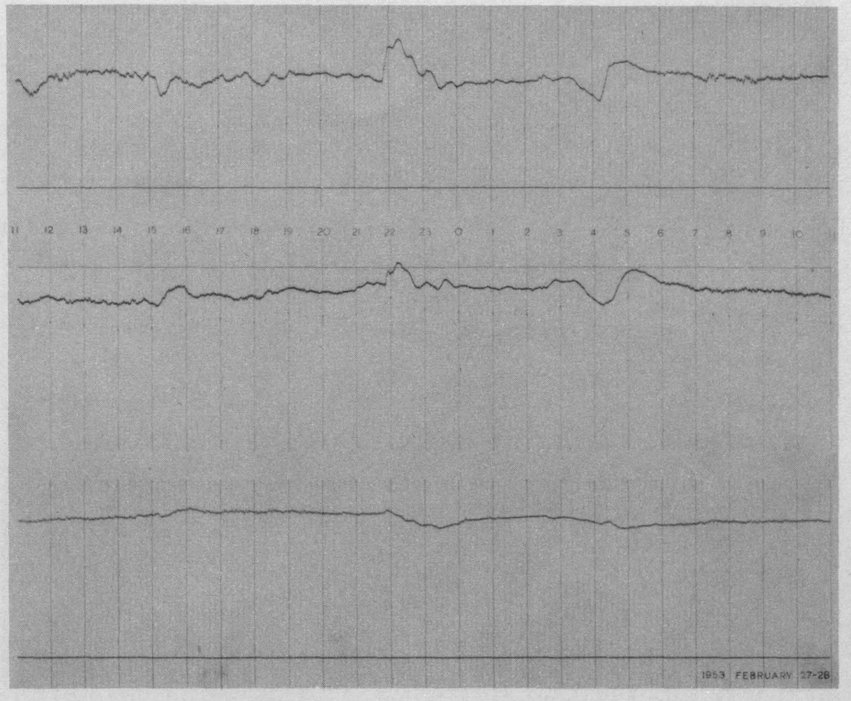
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
100γ
43050γ
1953 FEBRUARY 26-27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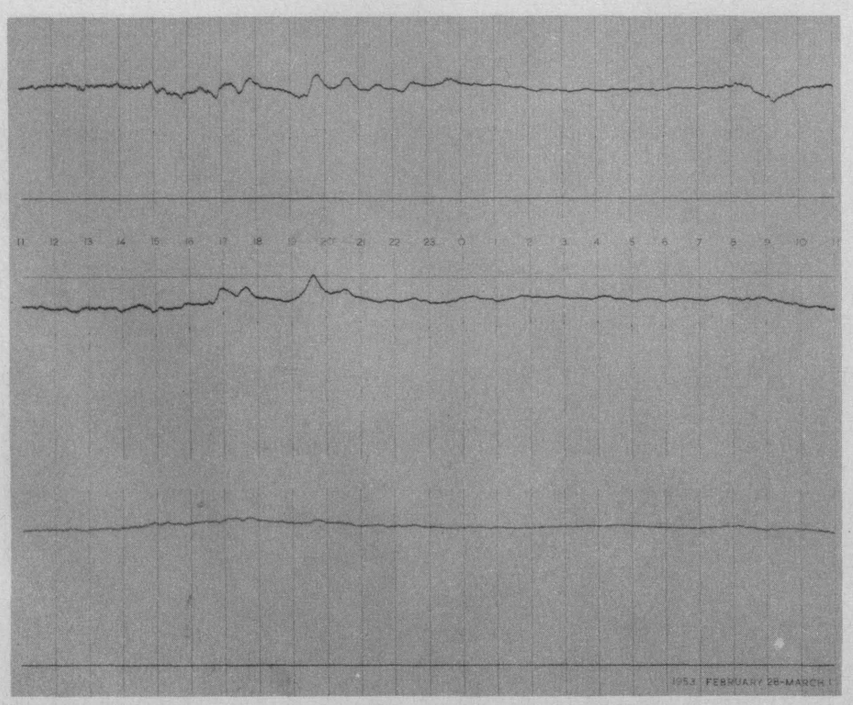
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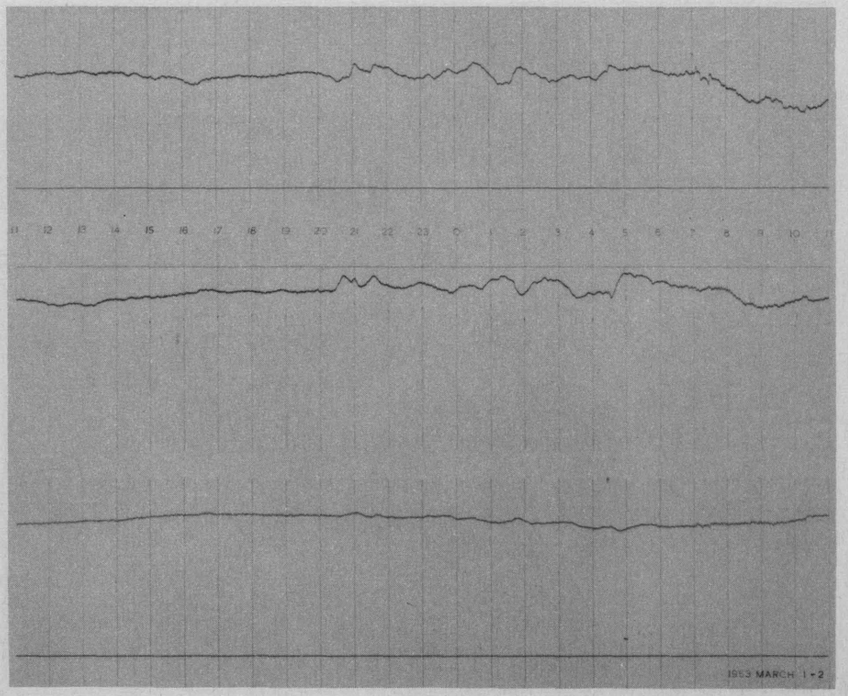
1953 FEBRUARY 28-MARCH 1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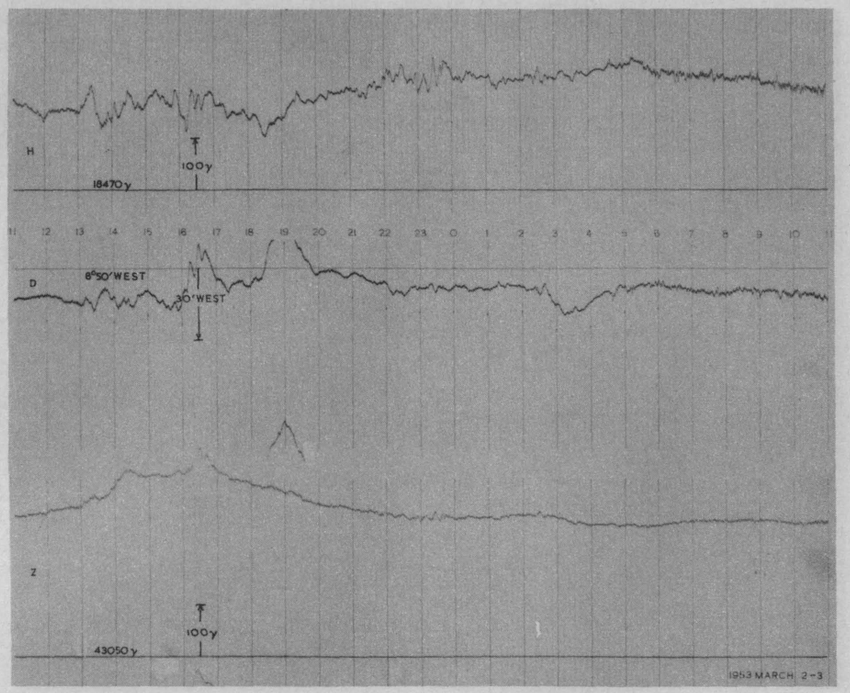
1953 MARCH 1-2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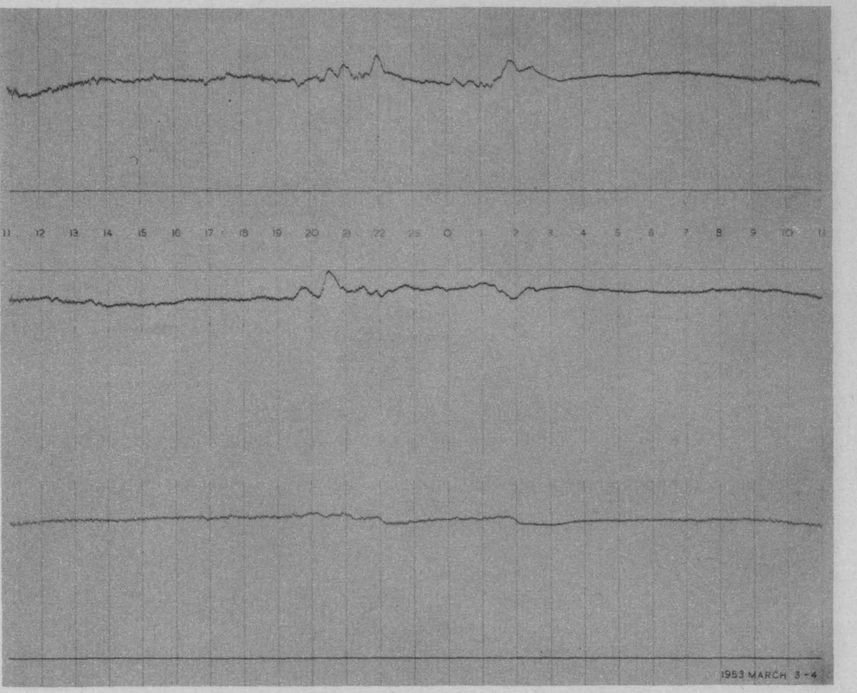
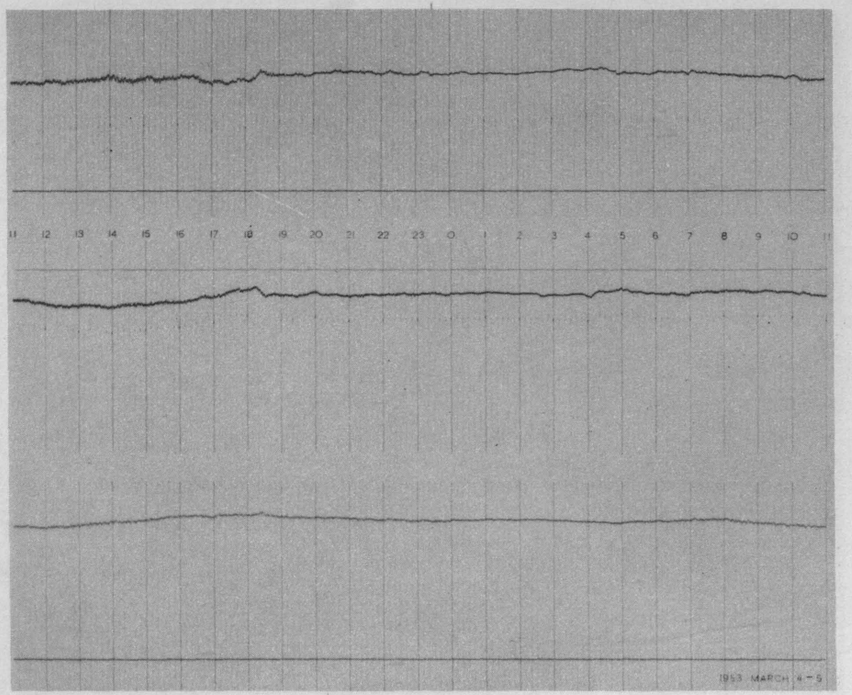
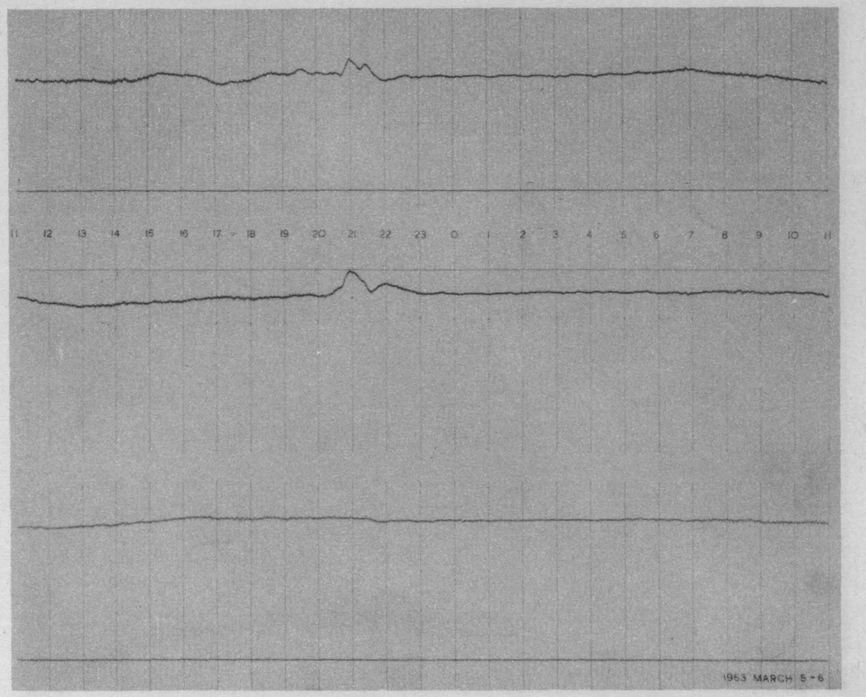
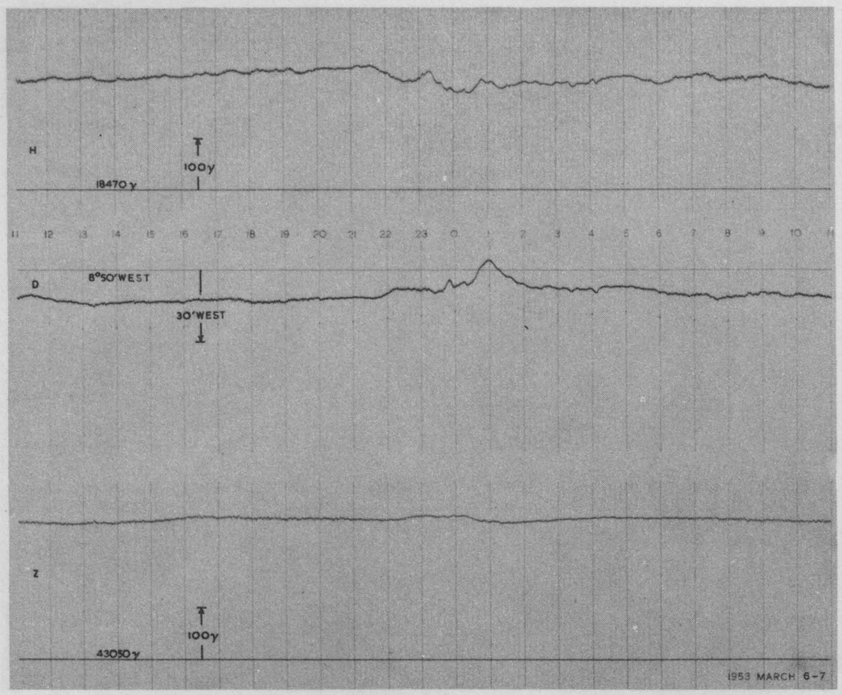
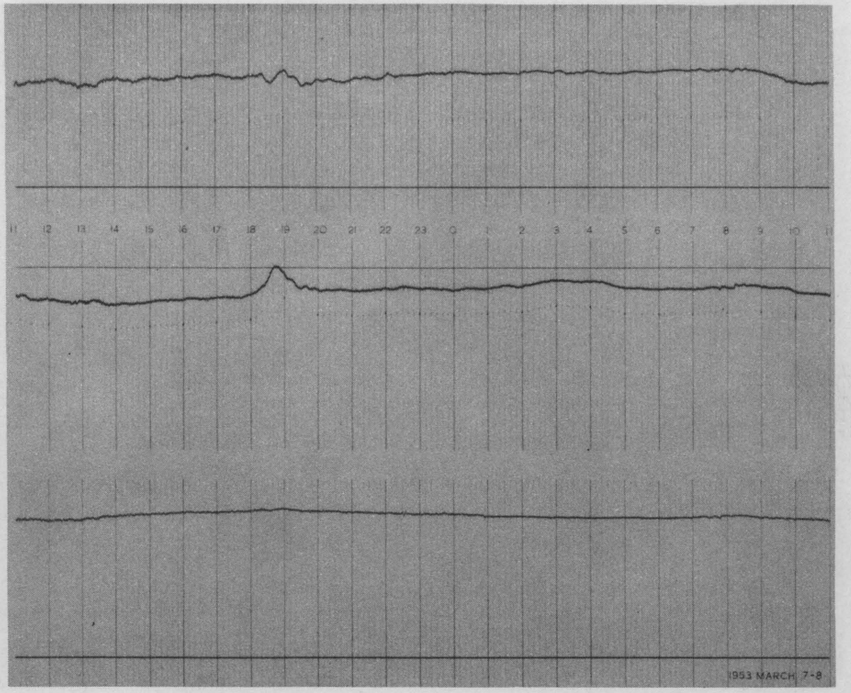
100γ
D
8°50'WEST
50'WEST
Z
43050γ
100γ
1953 MARCH 2-3


1953 MARCH 3-4


1953 MARCH 4-5


1953 MARCH 5-6


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
100γ
43050γ
1953 MARCH 6-7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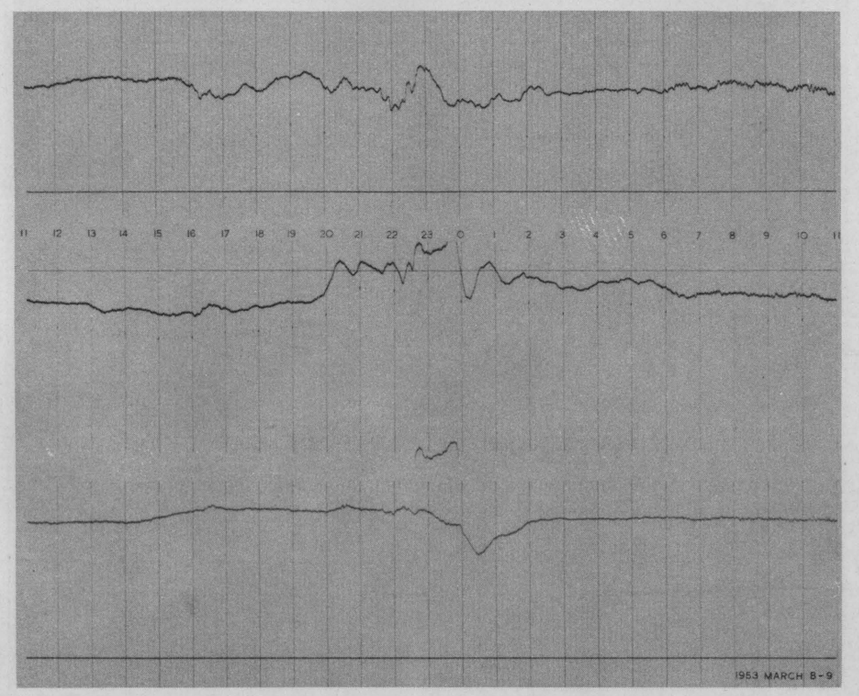
1953 MARCH 7-8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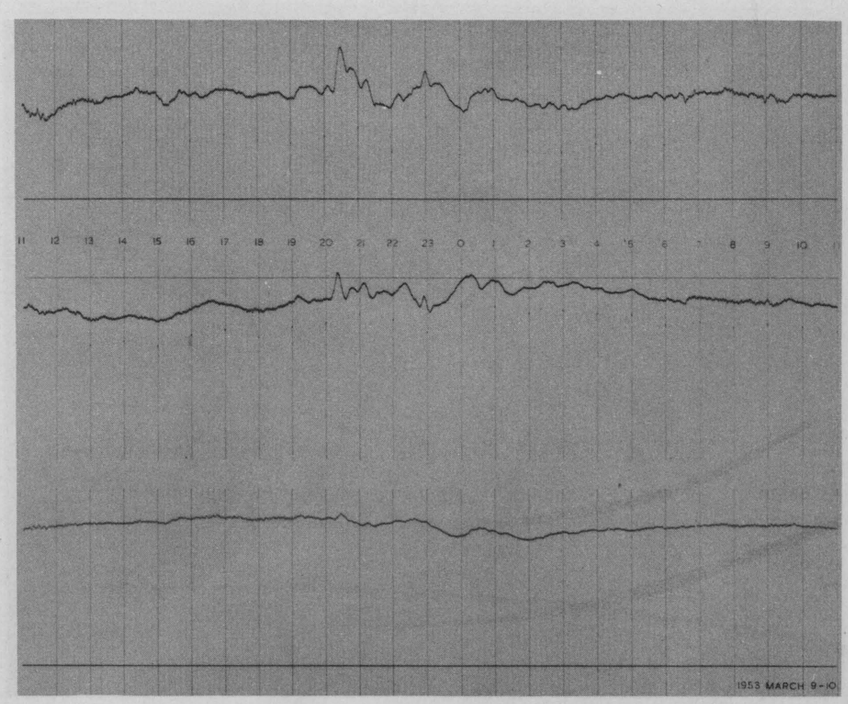
1953 MARCH 8-9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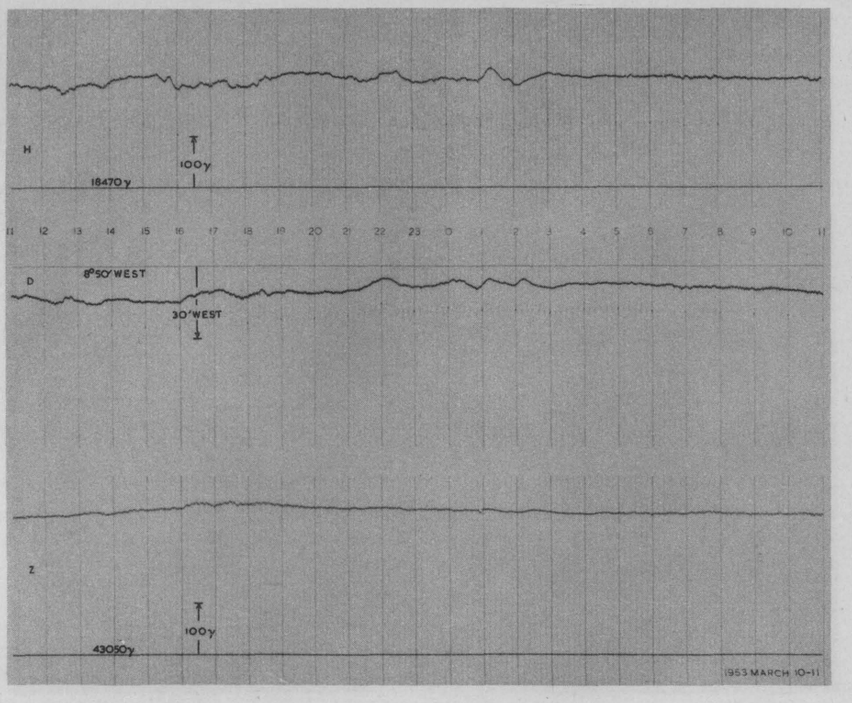
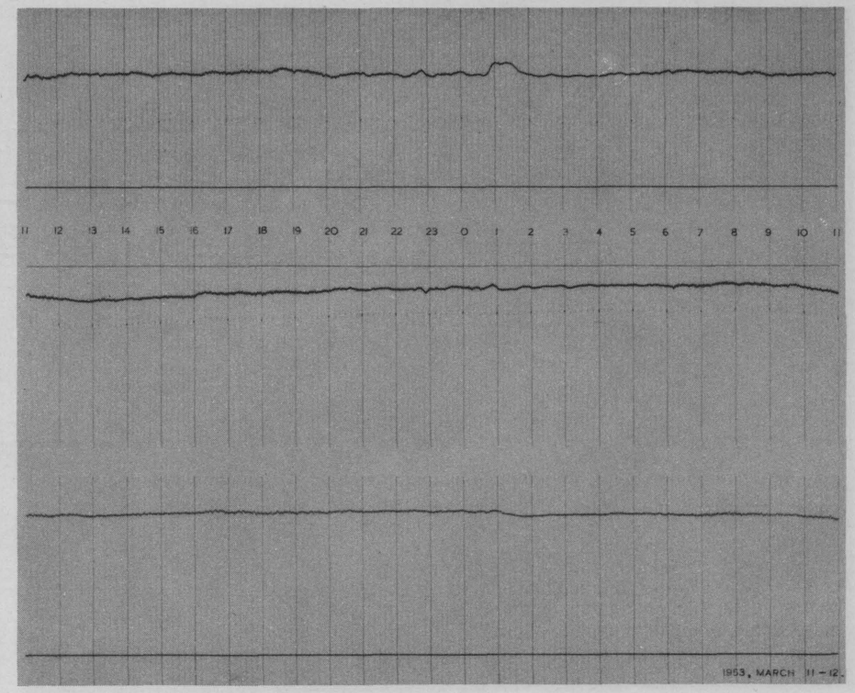
1953 MARCH 9-10


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50' WEST
30' WEST
Z
100γ
43050γ
1953 MARCH 10-11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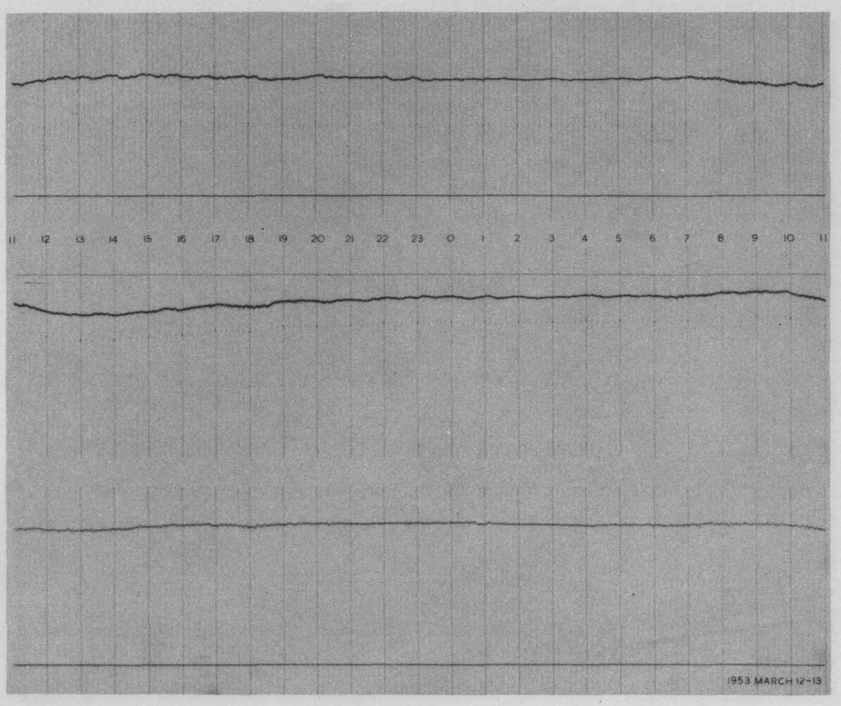
1953, MARCH 11-12.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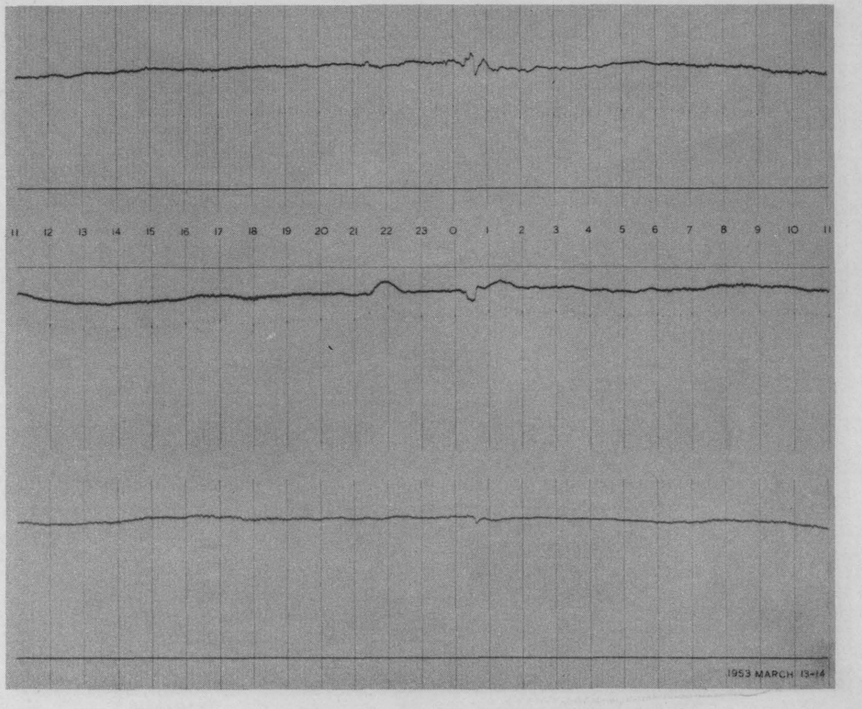
1953 MARCH 12-13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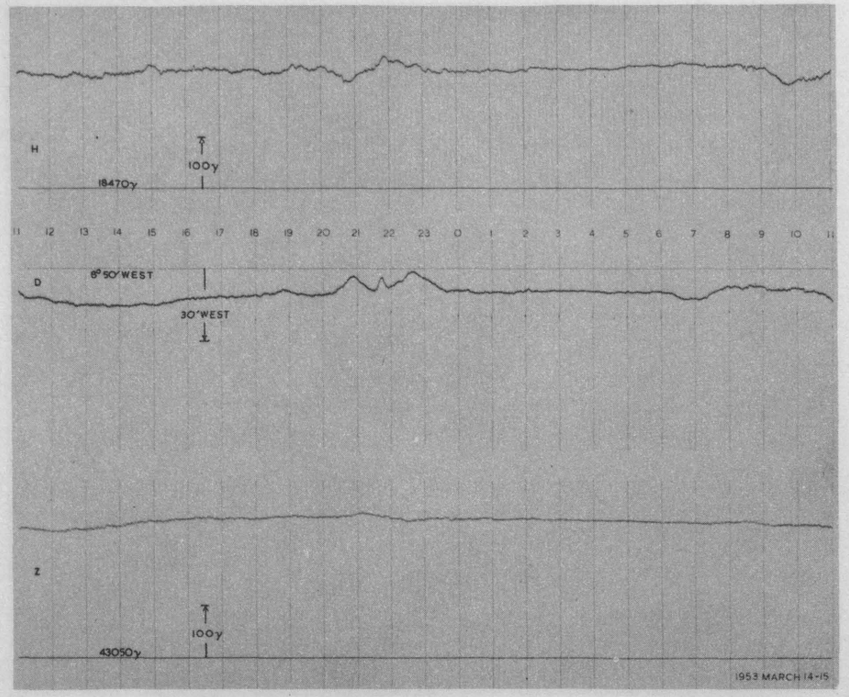
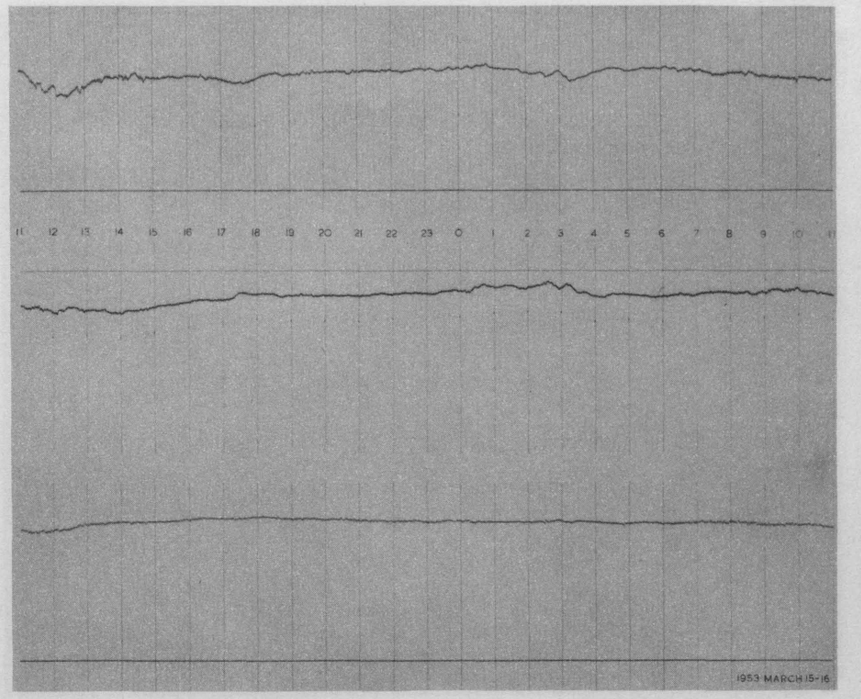
1953 MARCH 13-14


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8° 50' WEST
30' WEST
Z
100γ
43050γ
1953 MARCH 14-15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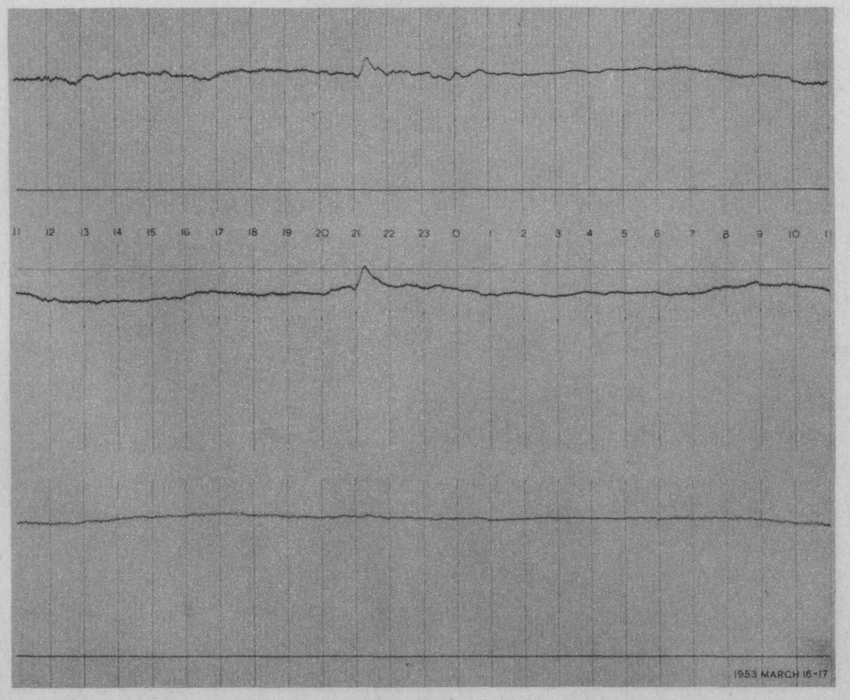
1953 MARCH 15-16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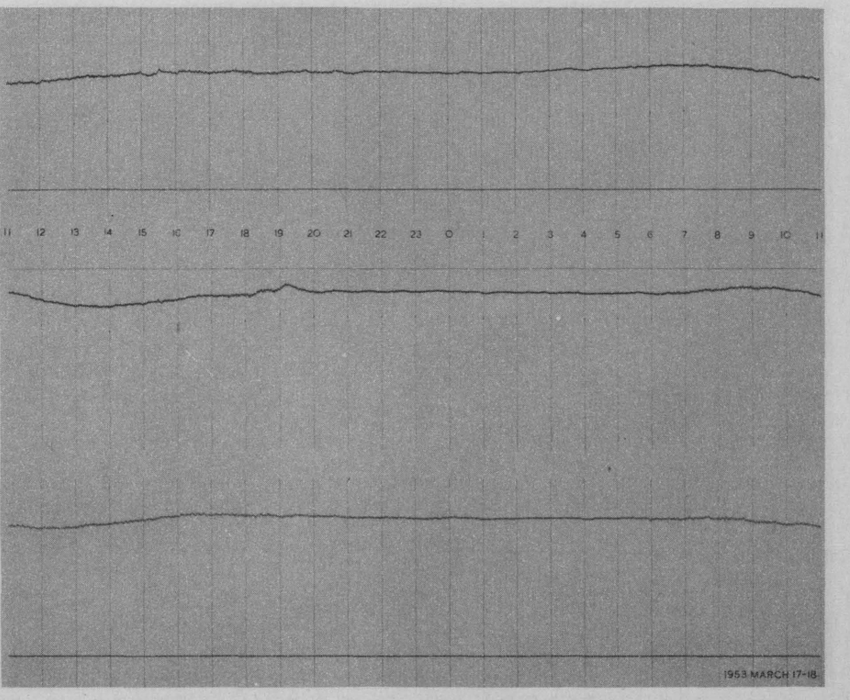
1953 MARCH 16-17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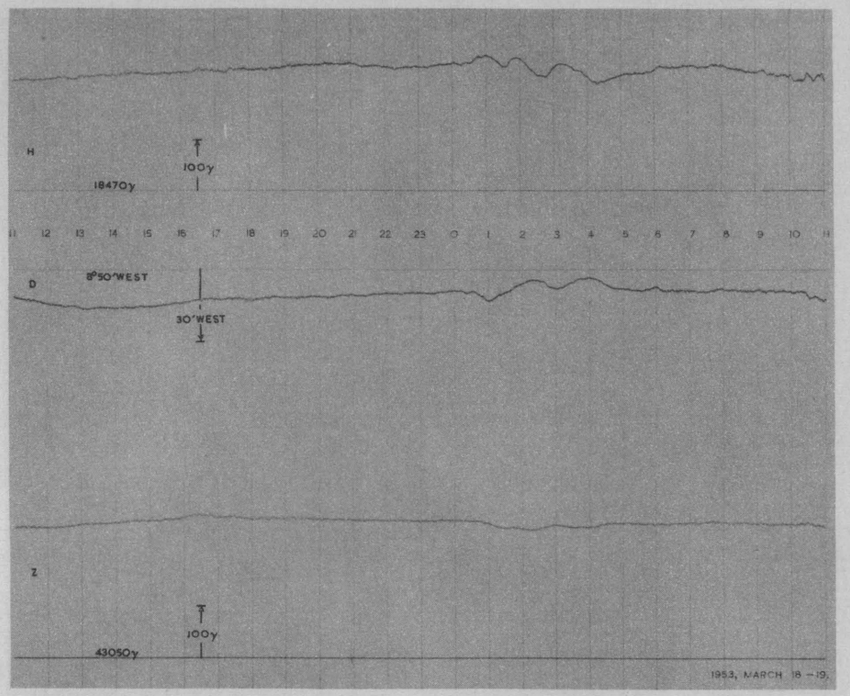
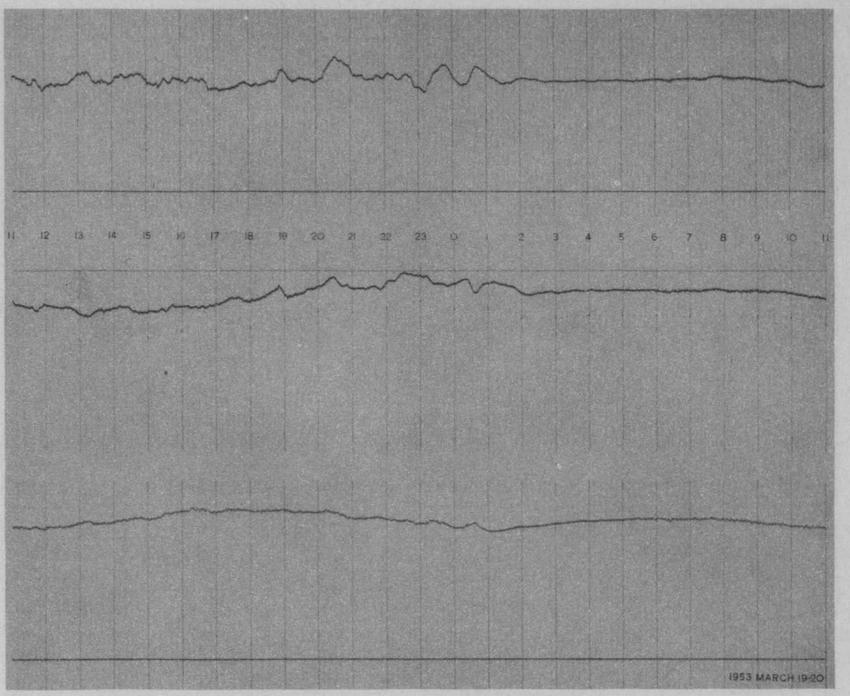
1953 MARCH 17-18


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
100γ
43050γ
1953, MARCH 18 – 19.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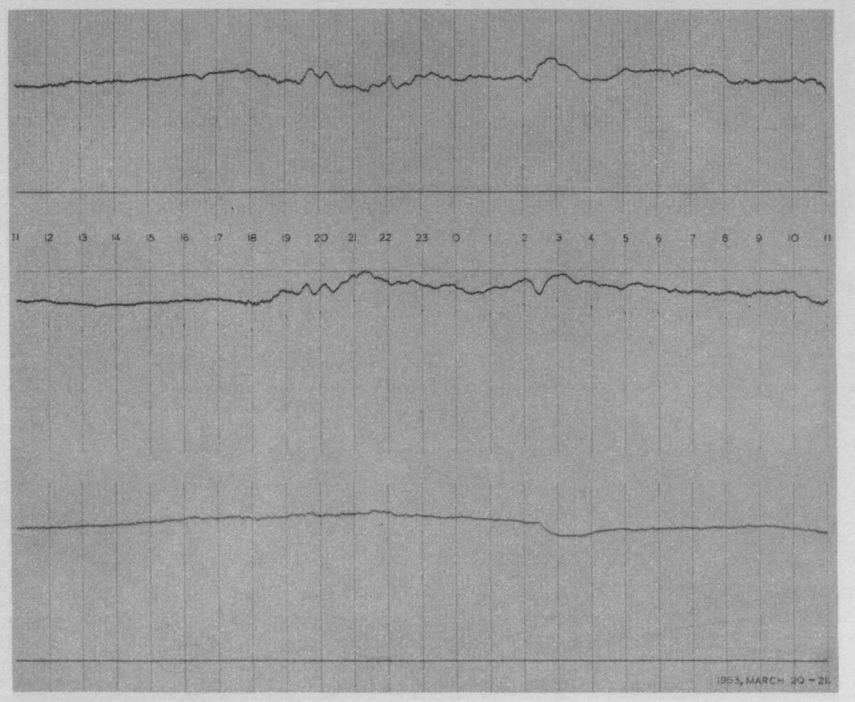
1953 MARCH 19-20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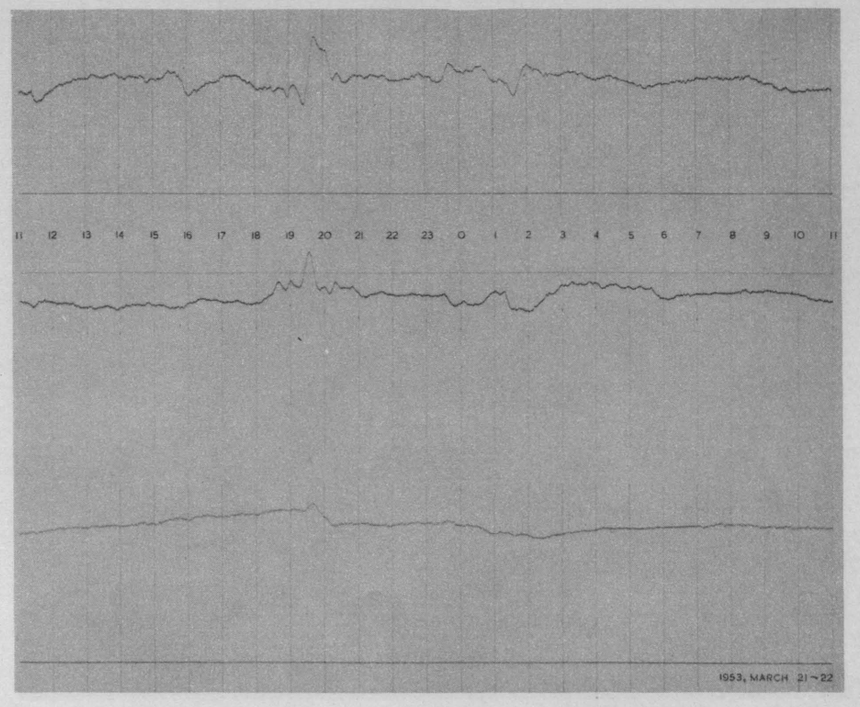
1953, MARCH 20 – 21.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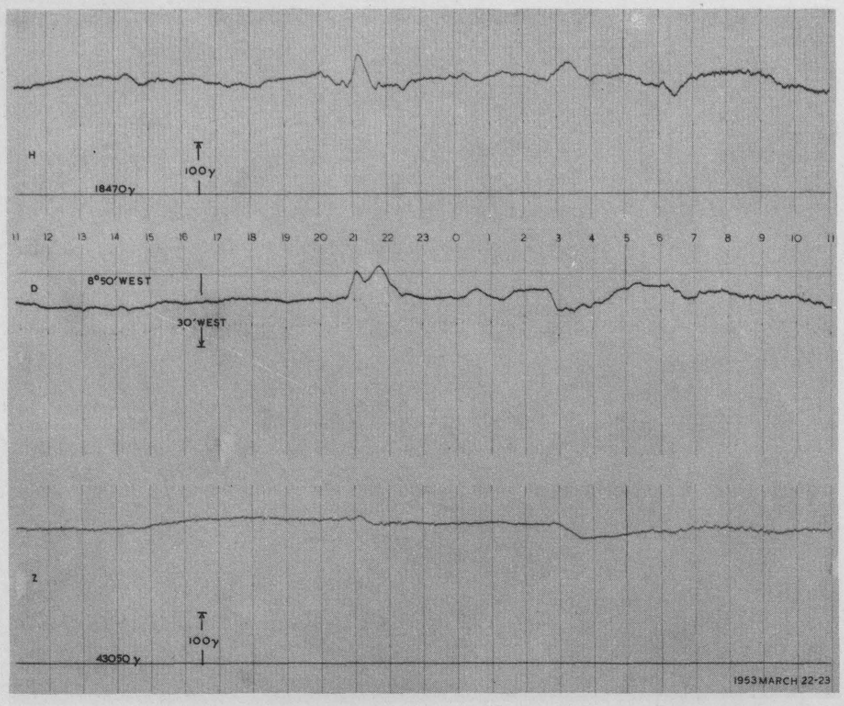
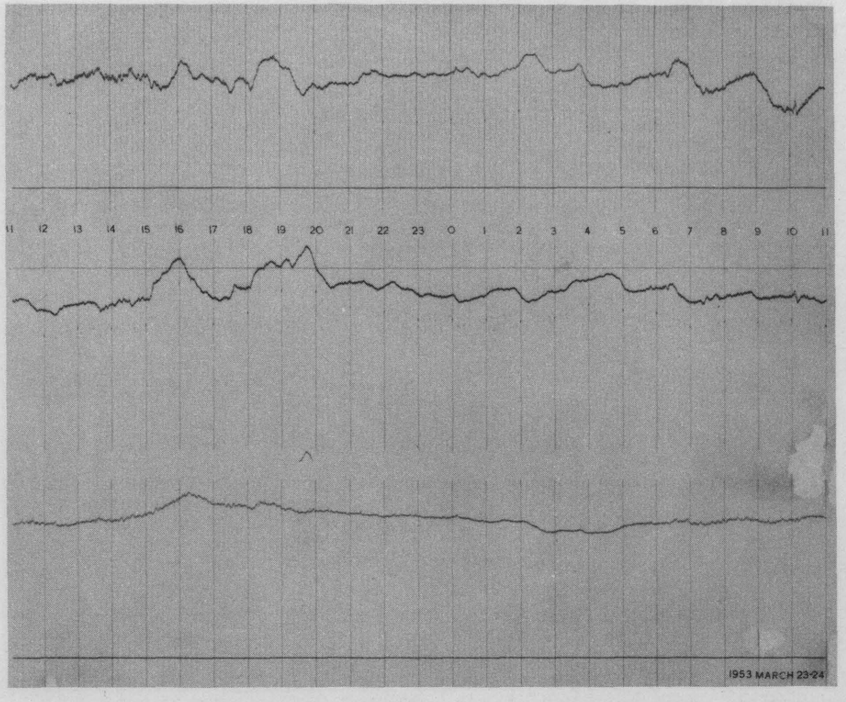
1953, MARCH 21 – 22


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50' WEST
30' WEST
Z
100γ
43050γ
1953 MARCH 22-23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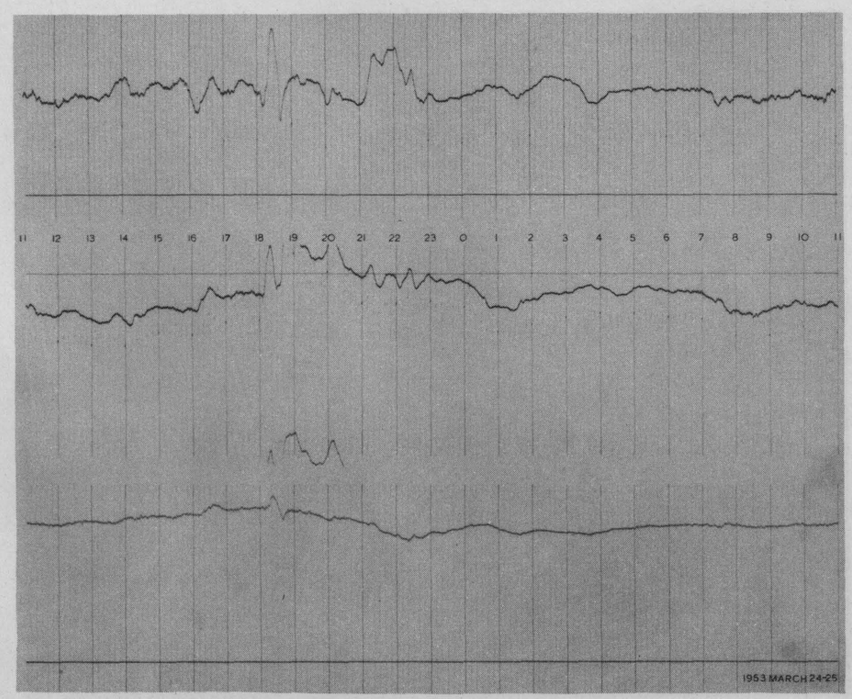
1953 MARCH 23-24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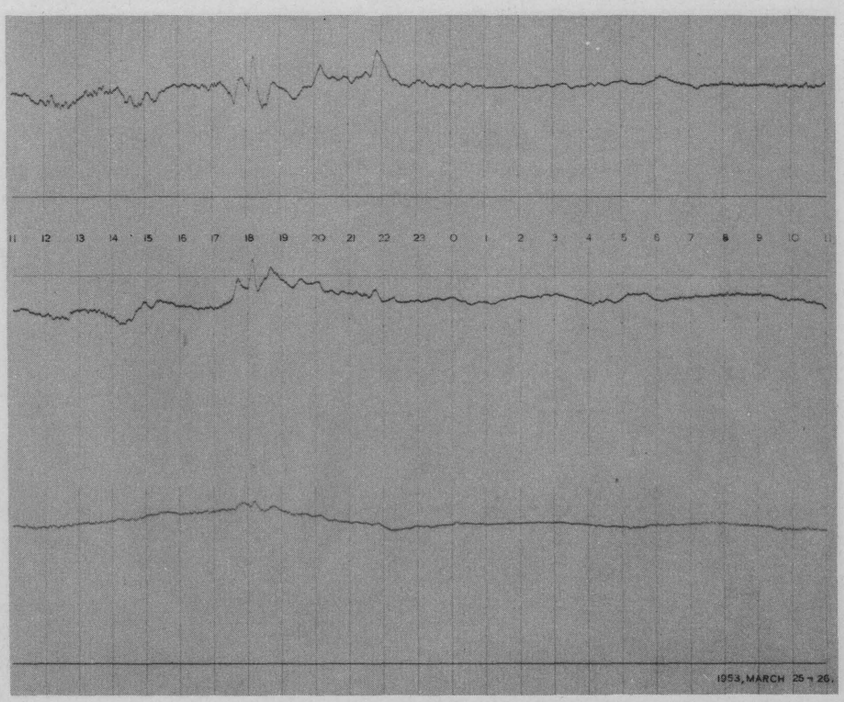
1953 MARCH 24-25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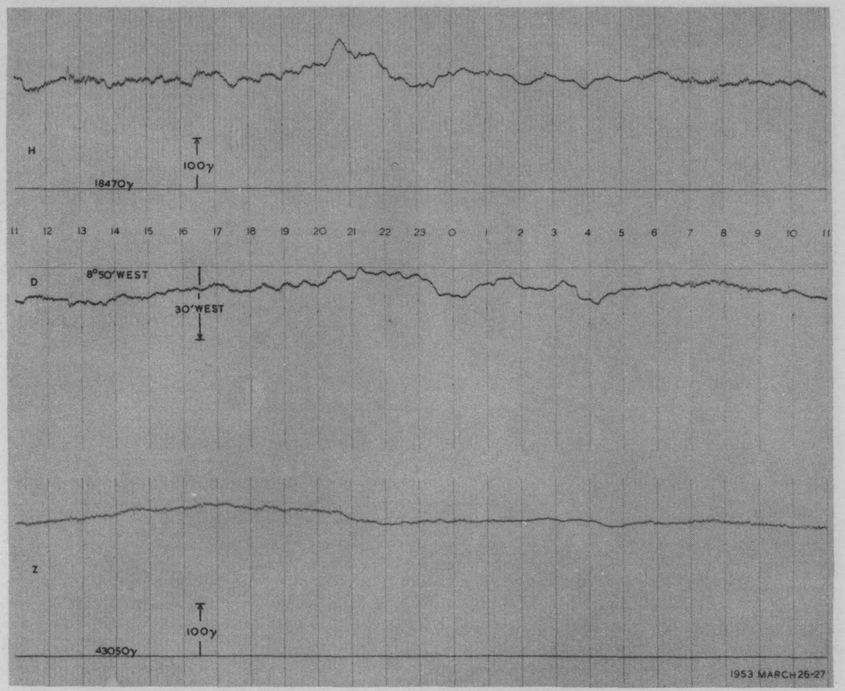
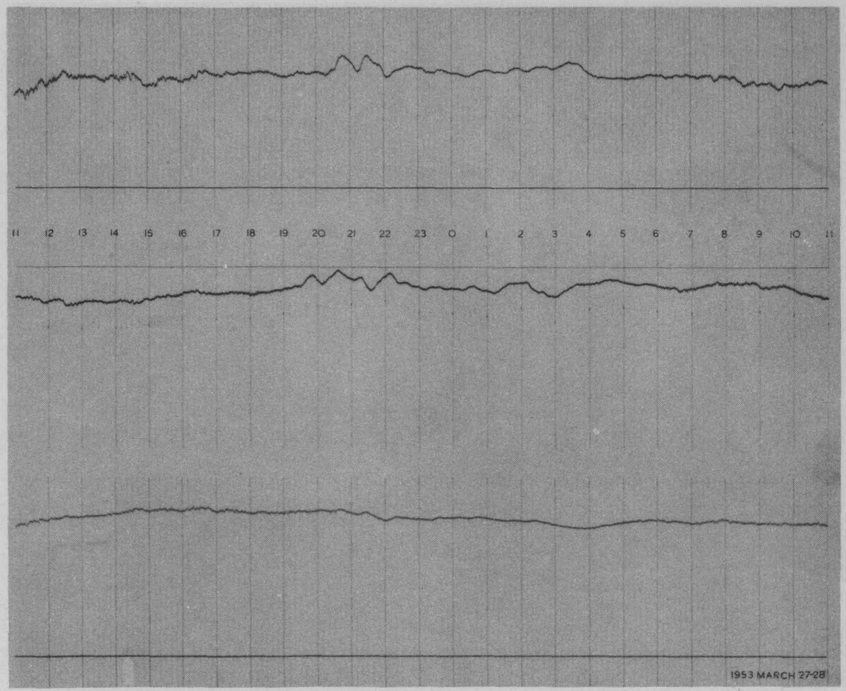
1953, MARCH 25-26.


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
100γ
43050γ
1953 MARCH 26-27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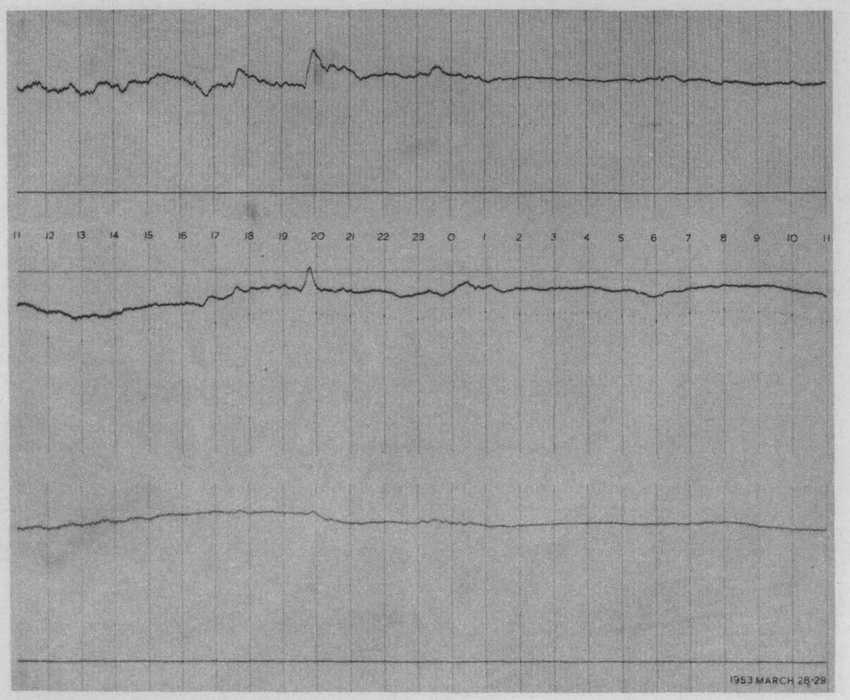
1953 MARCH 27-28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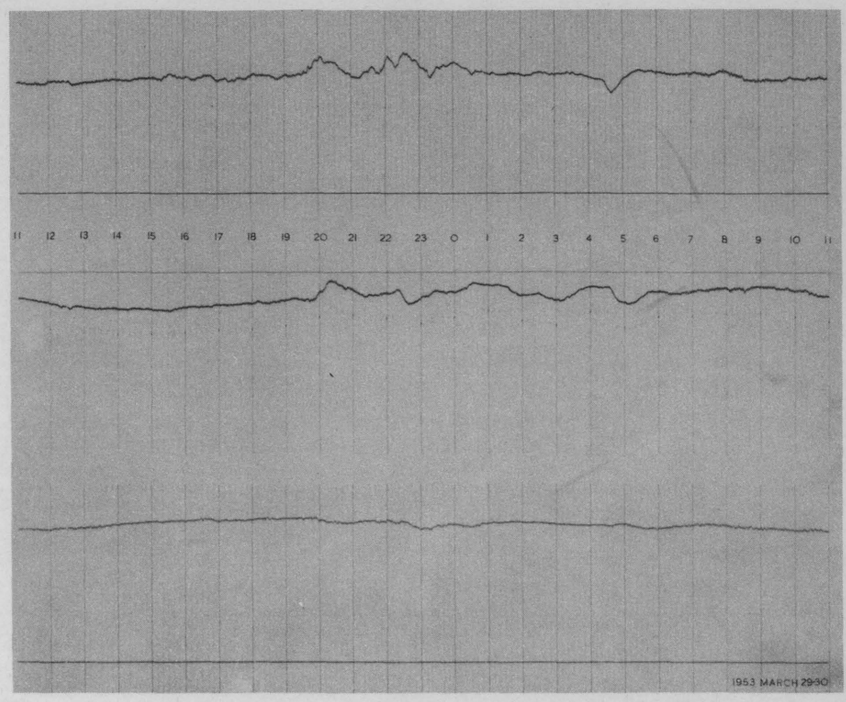
1953 MARCH 28-29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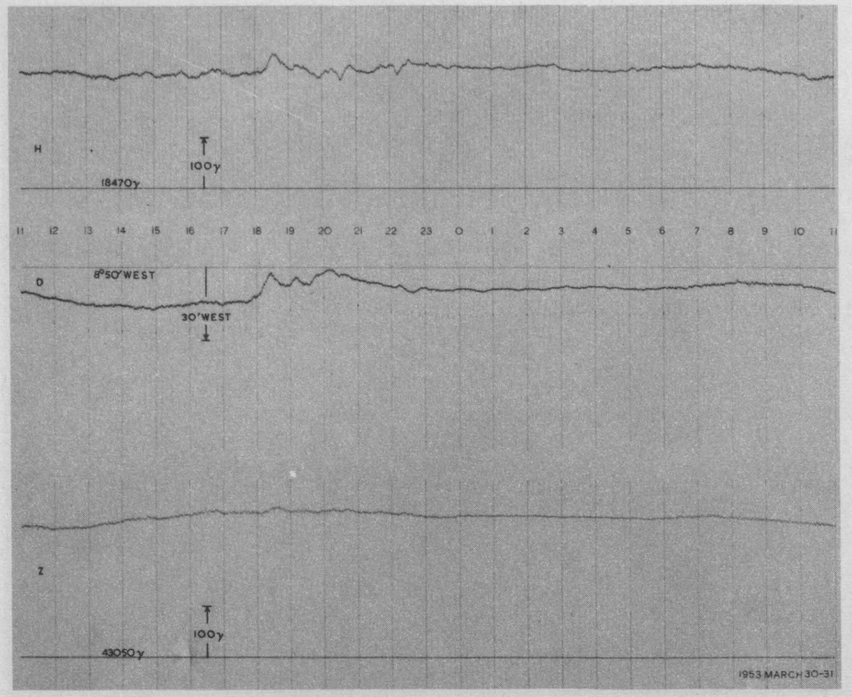
1953 MARCH 29-30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100γ
18470γ
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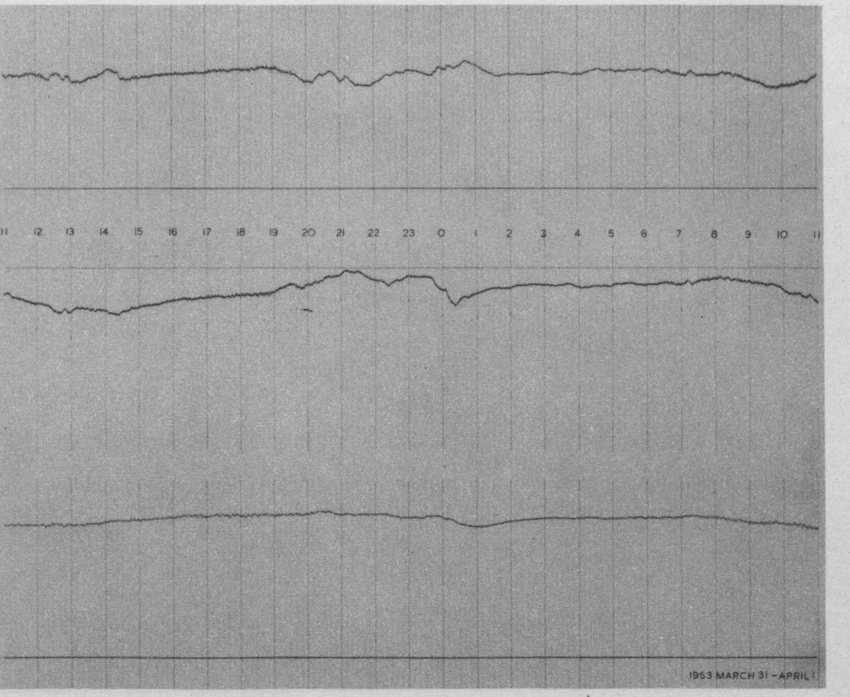
D
8°50' WEST
30' WEST
Z
100γ
43050γ
1953 MARCH 30-31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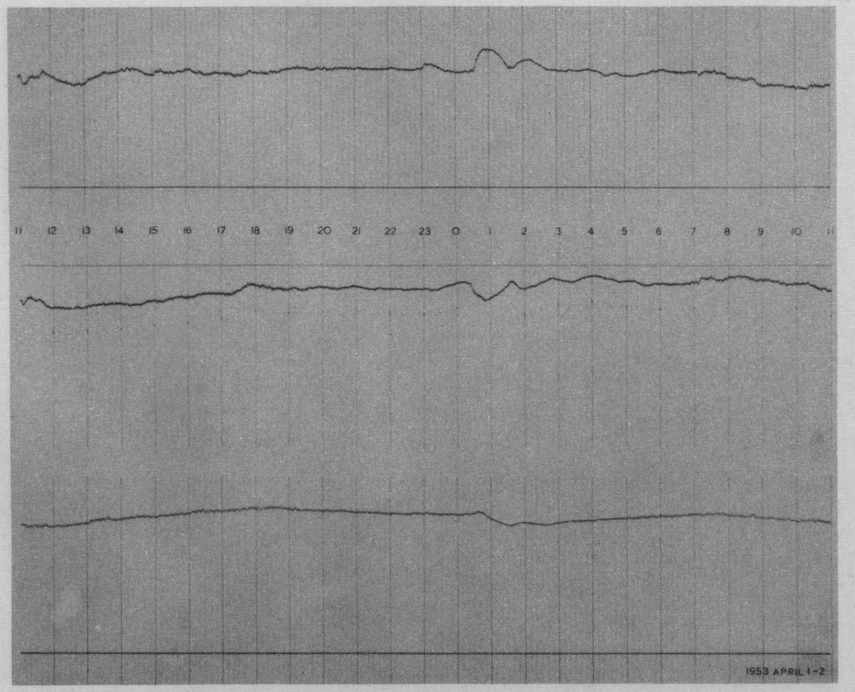
1953 MARCH 31 - APRIL 1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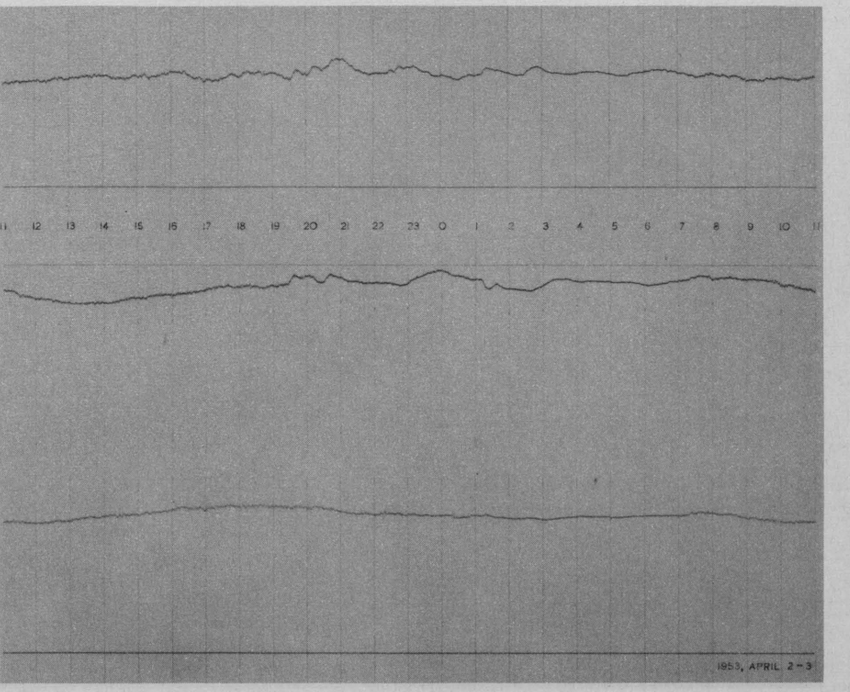
1953 APRIL 1-2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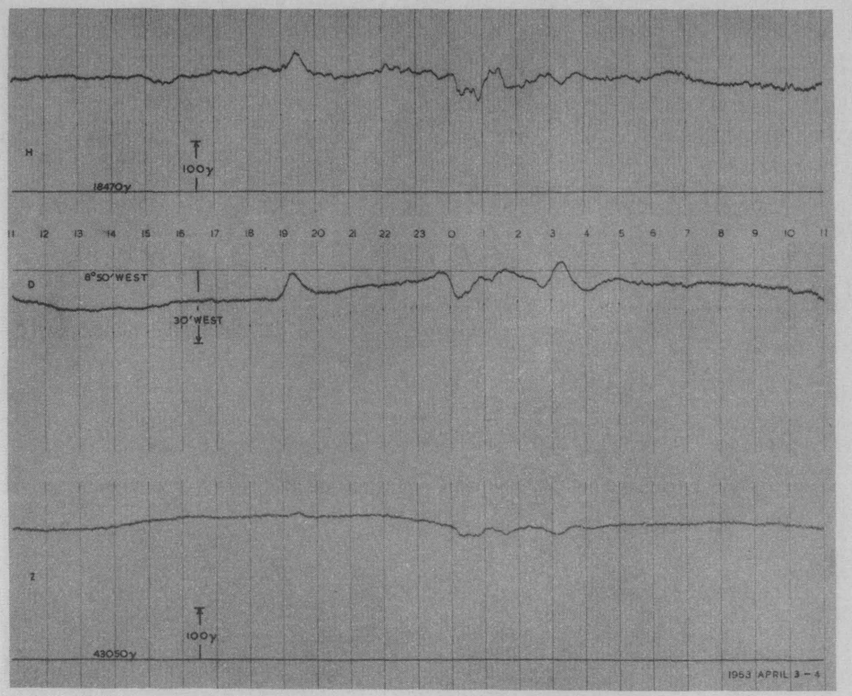
1953, APRIL 2-3


H
100γ
18470γ
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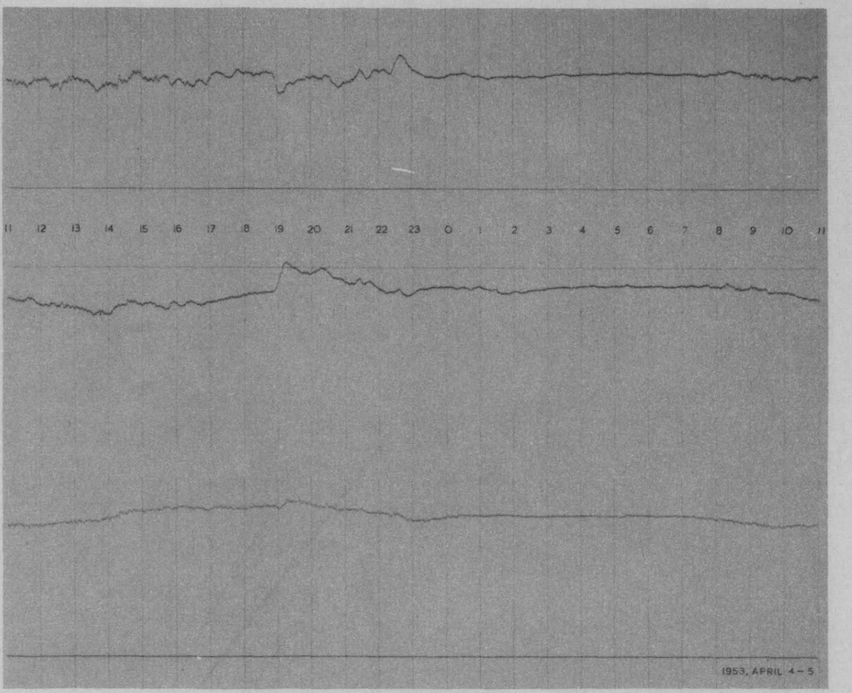
D
8°50' WEST
30' WEST
Z
100γ
43050γ
1953 APRIL 3 - 4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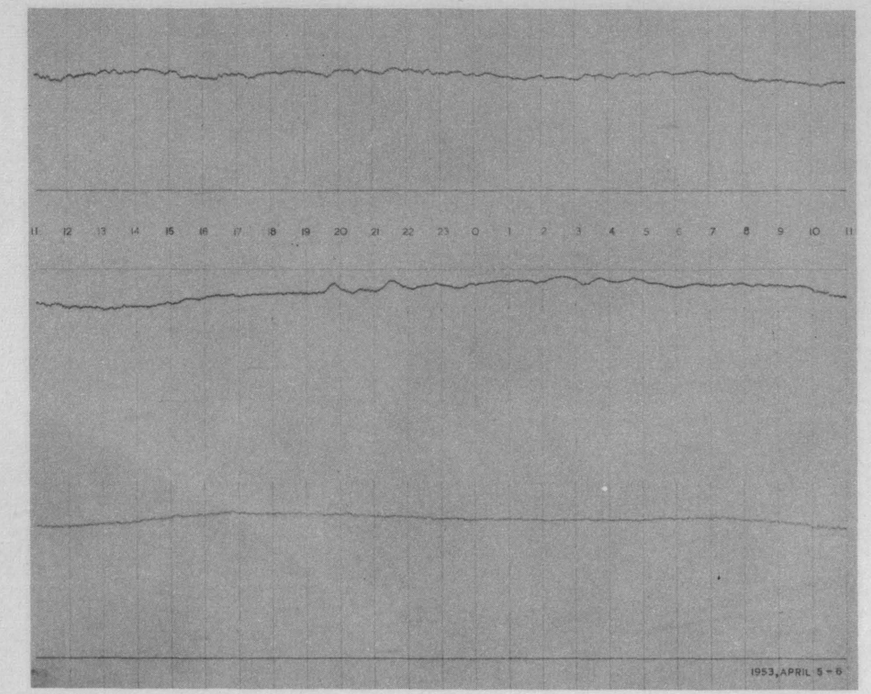
1953, APRIL 4 - 5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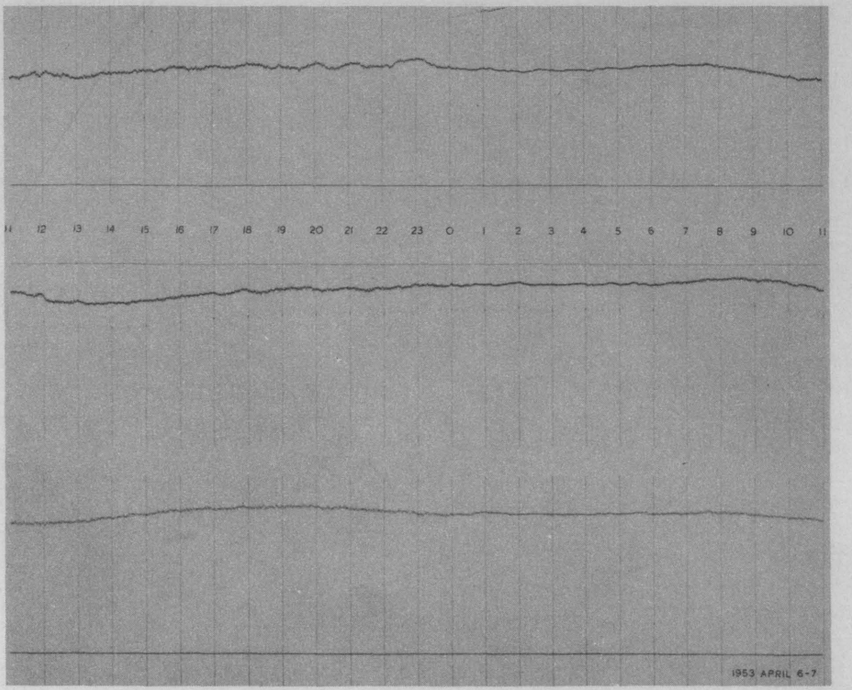
1953, APRIL 5 - 6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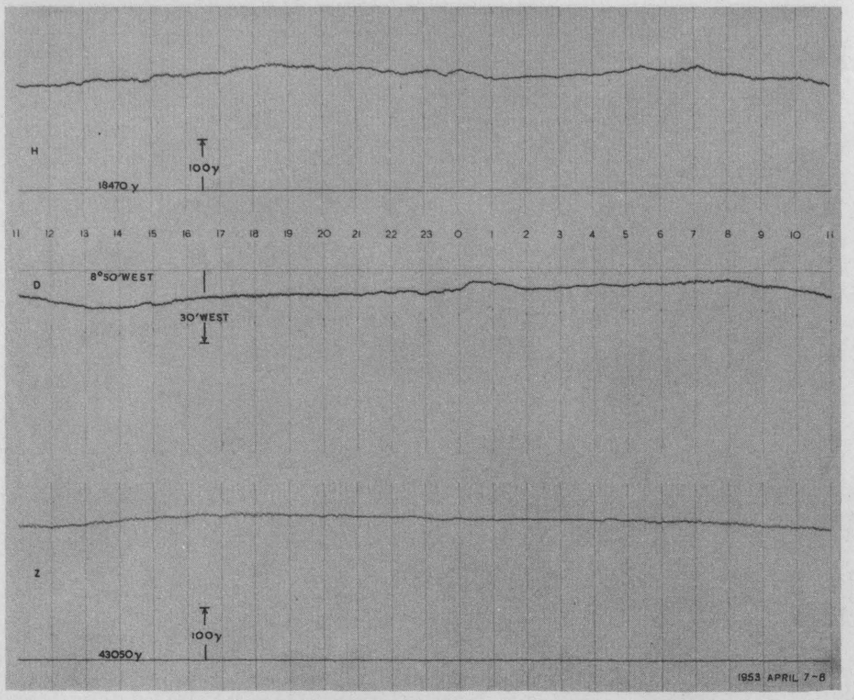
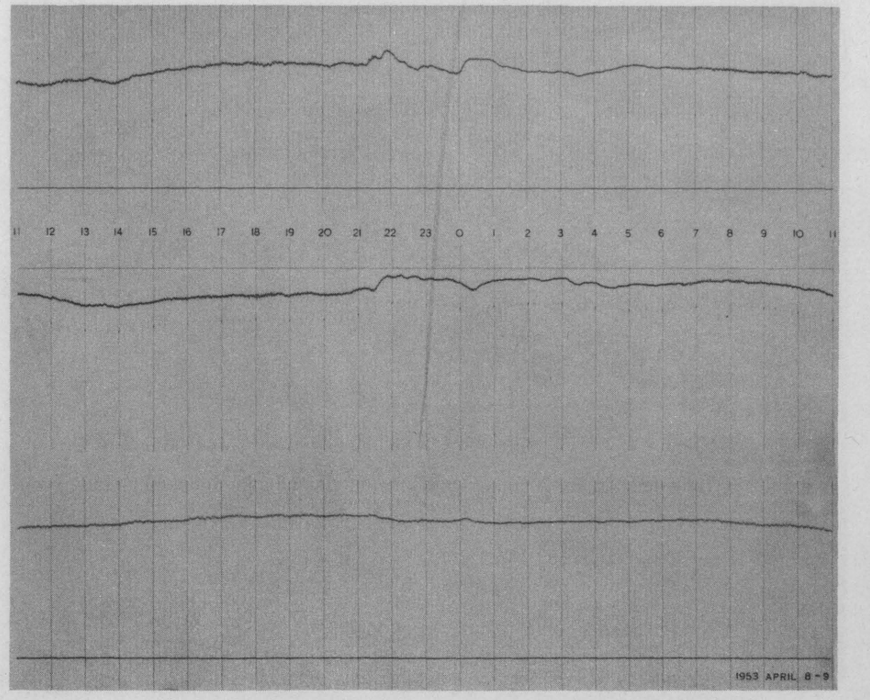
1953 APRIL 6-7


H
100γ
18470γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
100γ
43050γ
1953 APRIL 7-8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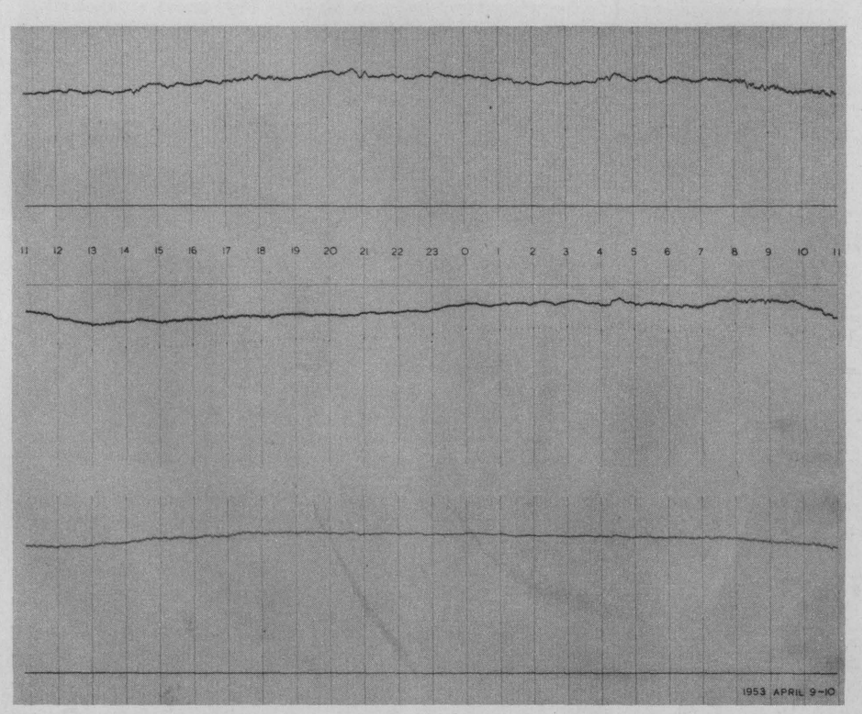
1953 APRIL 8-9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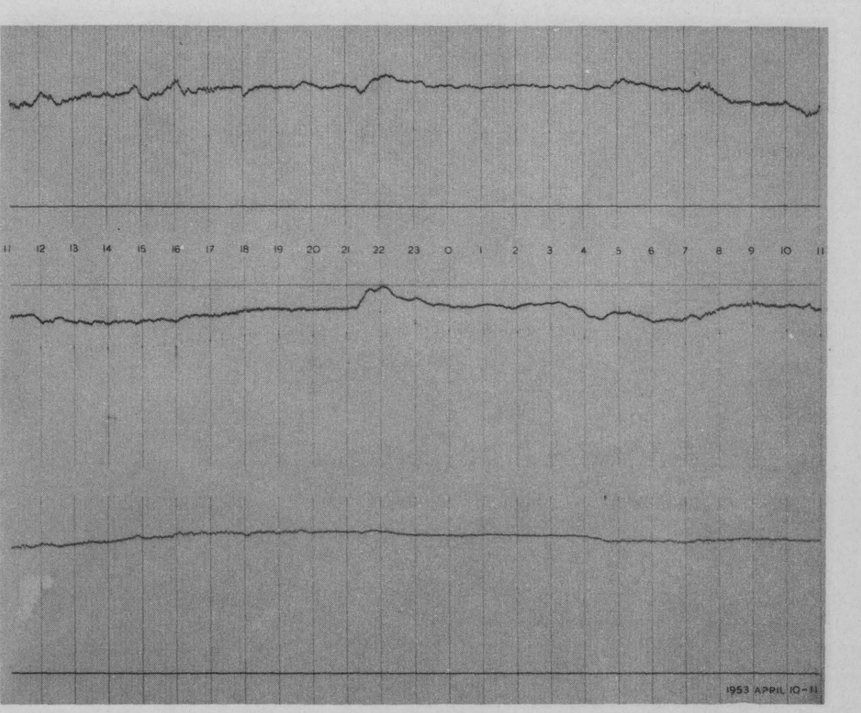
1953 APRIL 9-10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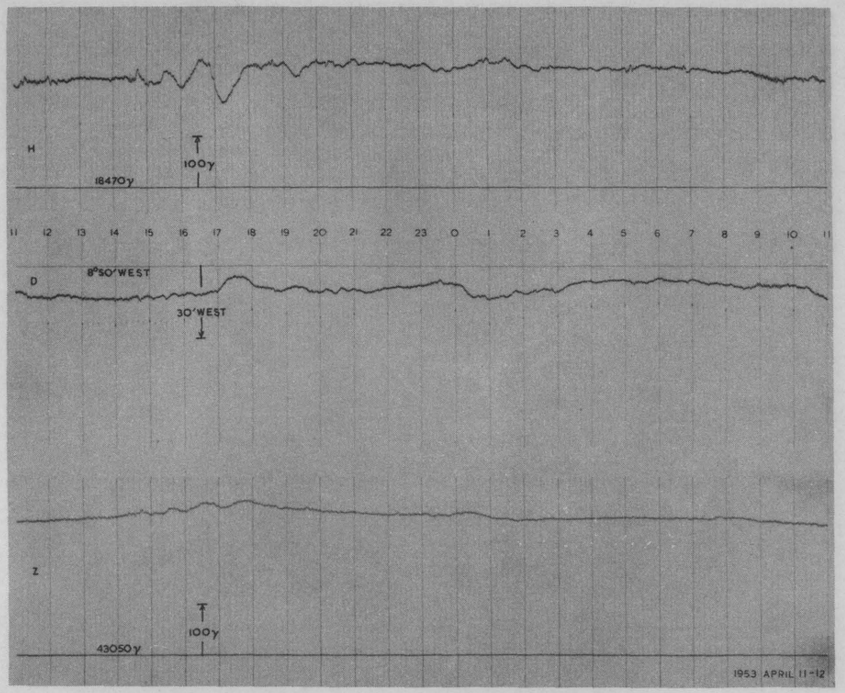
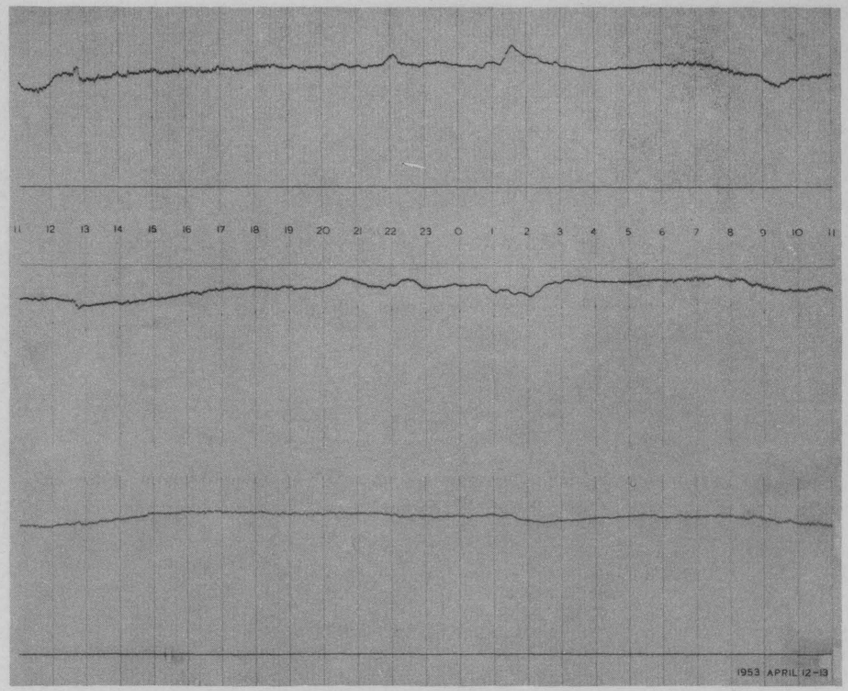
1953 APRIL 10-11


H
18470γ
100γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50' WEST
30' WEST
Z
43050γ
100γ
1953 APRIL 11-12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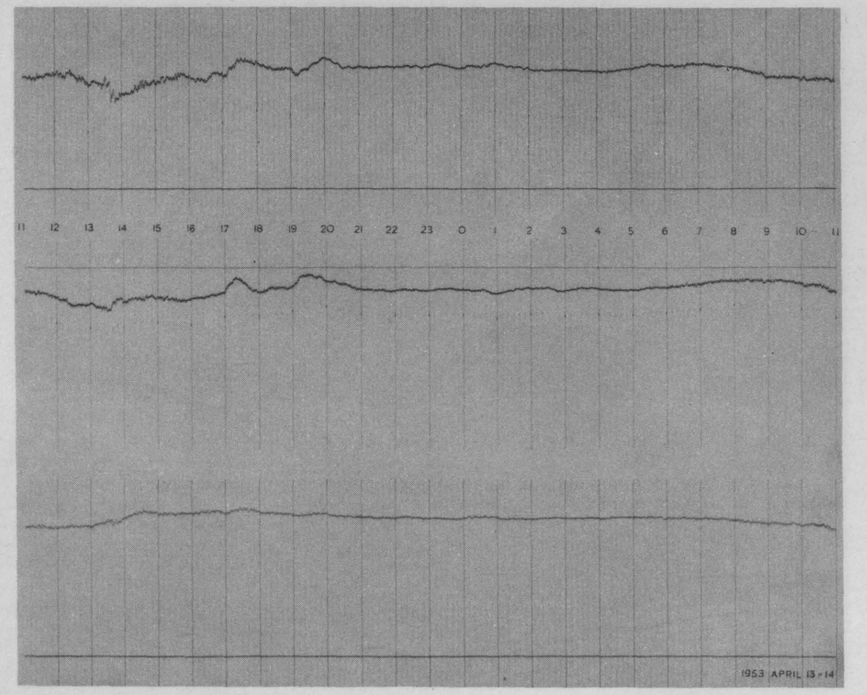
1953 APRIL 12-13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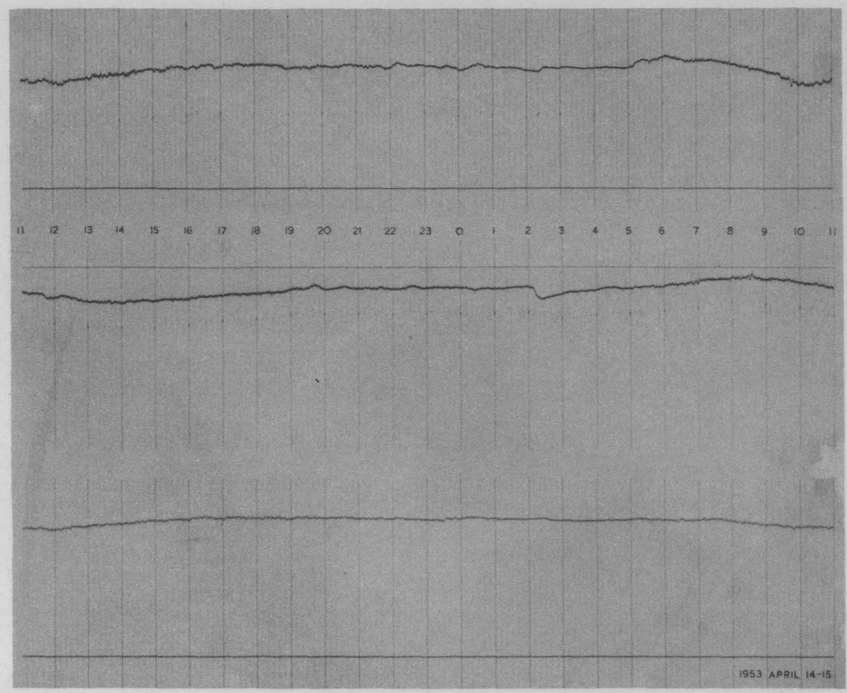
1953 APRIL 13-14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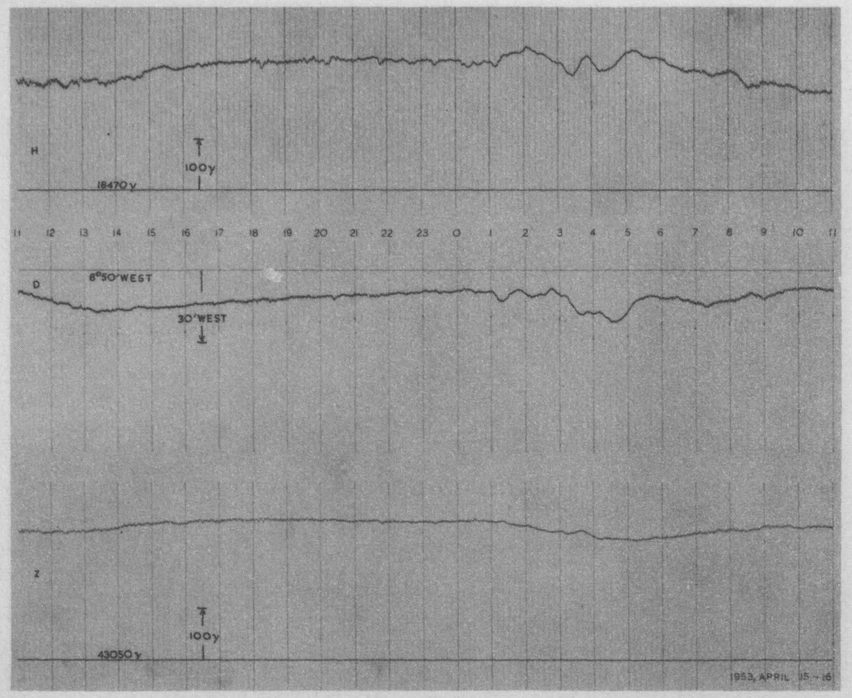
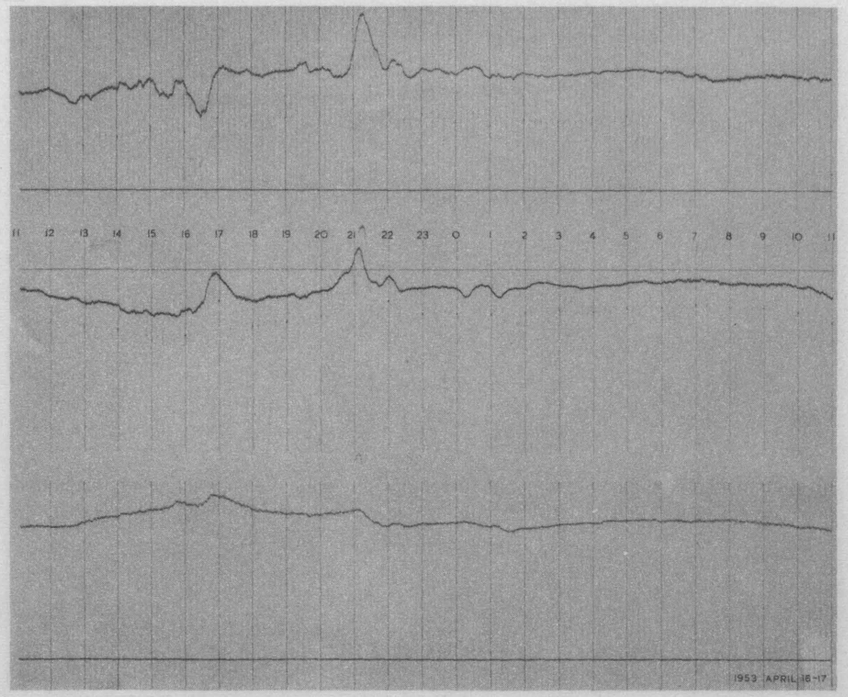
1953 APRIL 14-15


H
18470γ
100γ
11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11
D
8°50'WEST
30'WEST
Z
100γ
43050γ
1953, APRIL 15 - 16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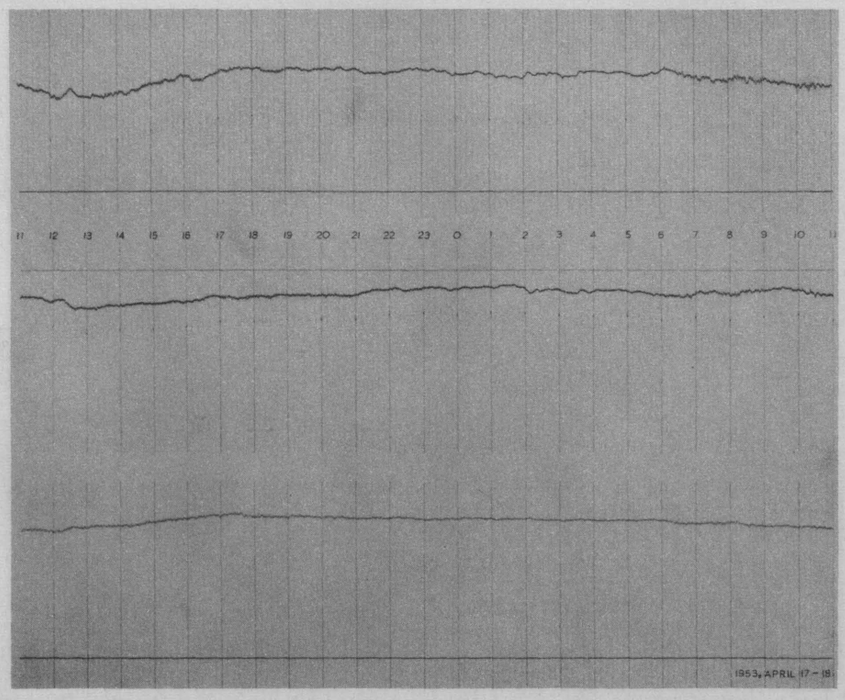
1953, APRIL 16-17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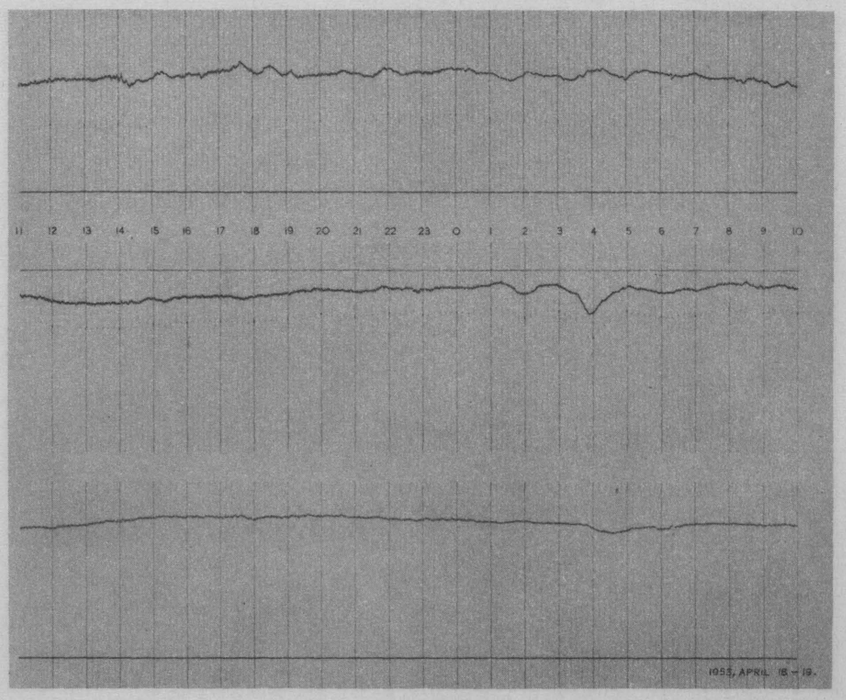
1953, APRIL 17 - 18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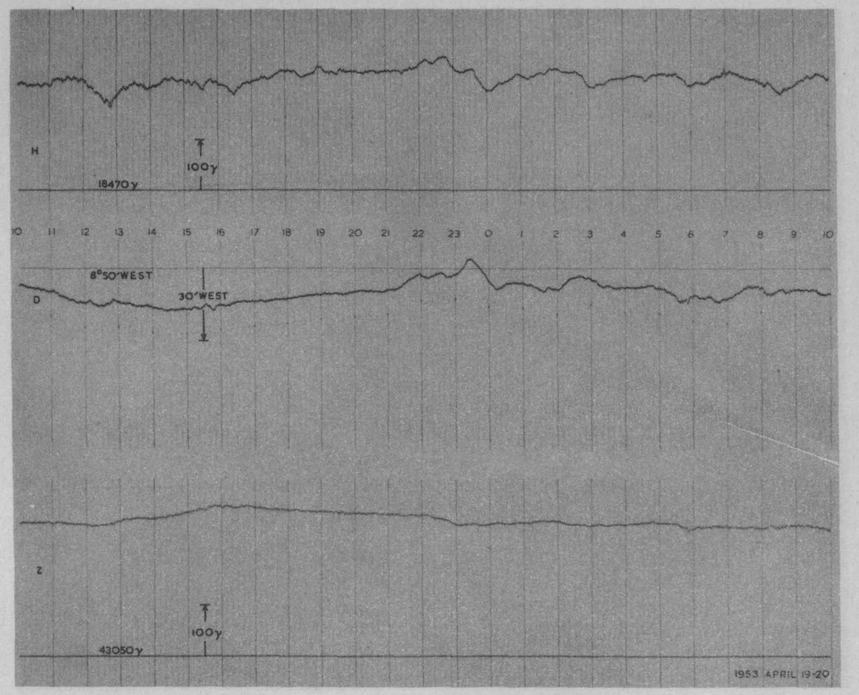
1953, APRIL 18 - 19


H
100γ
18470γ
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°50'WEST
30'WEST
D
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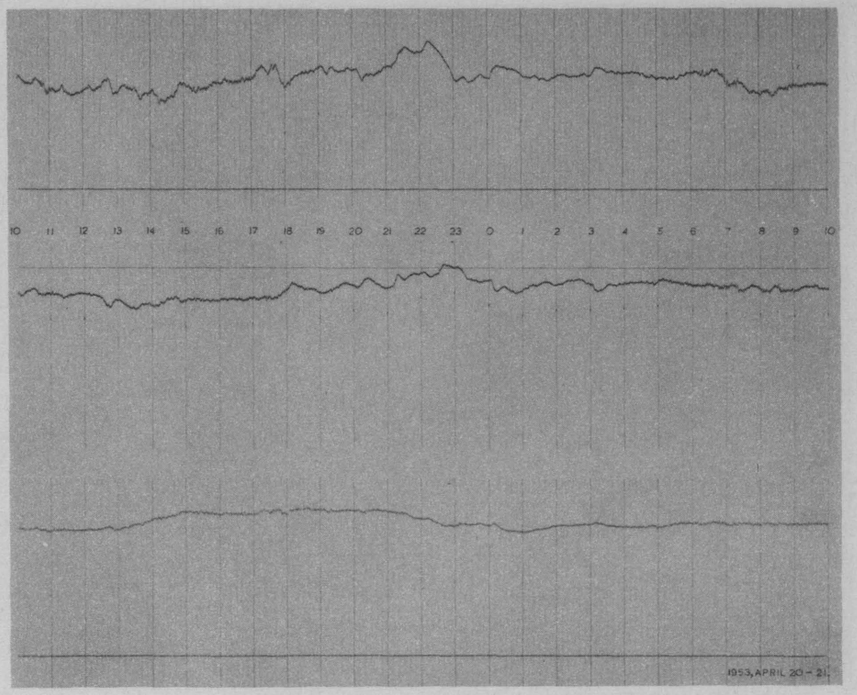
100γ
43050γ
1953 APRIL 19-20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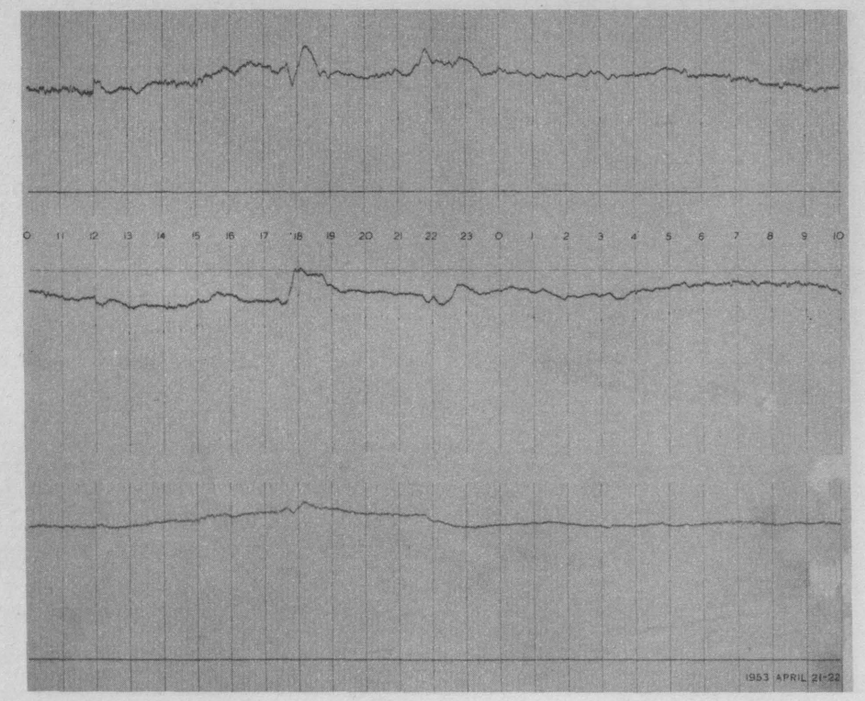
1953, APRIL 20 - 21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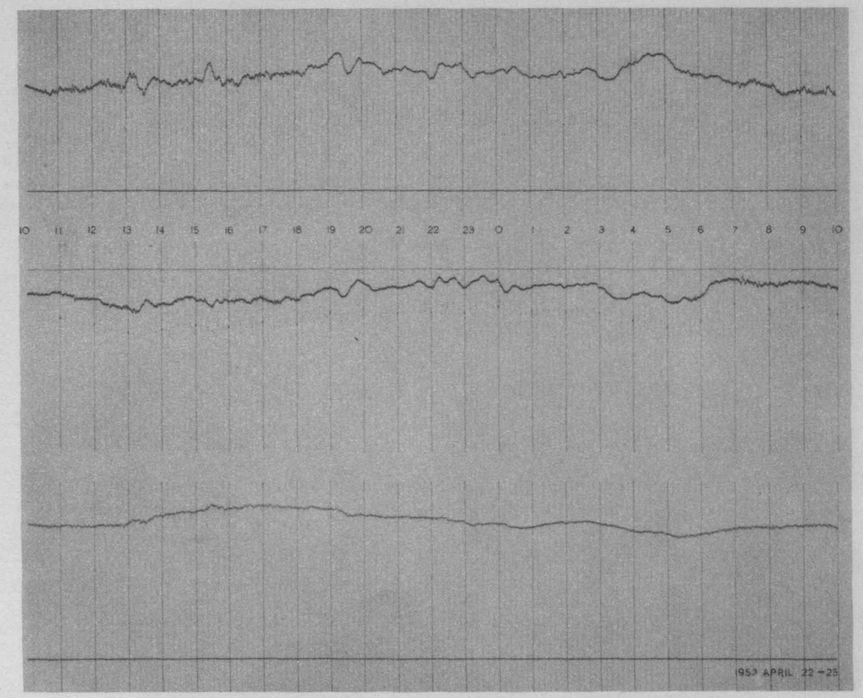
1953 APRIL 21-22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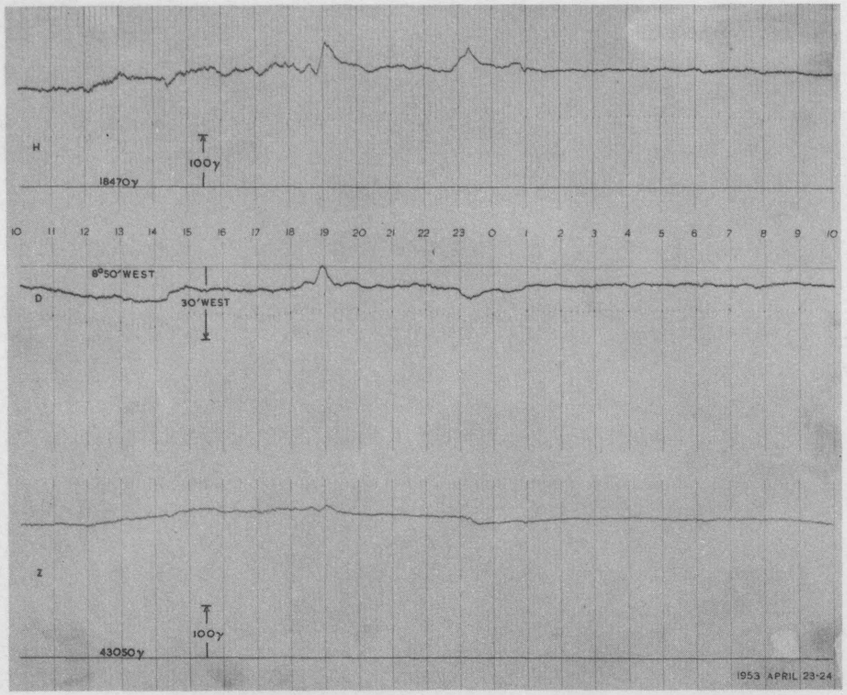
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8°50'WEST
D
30'WEST
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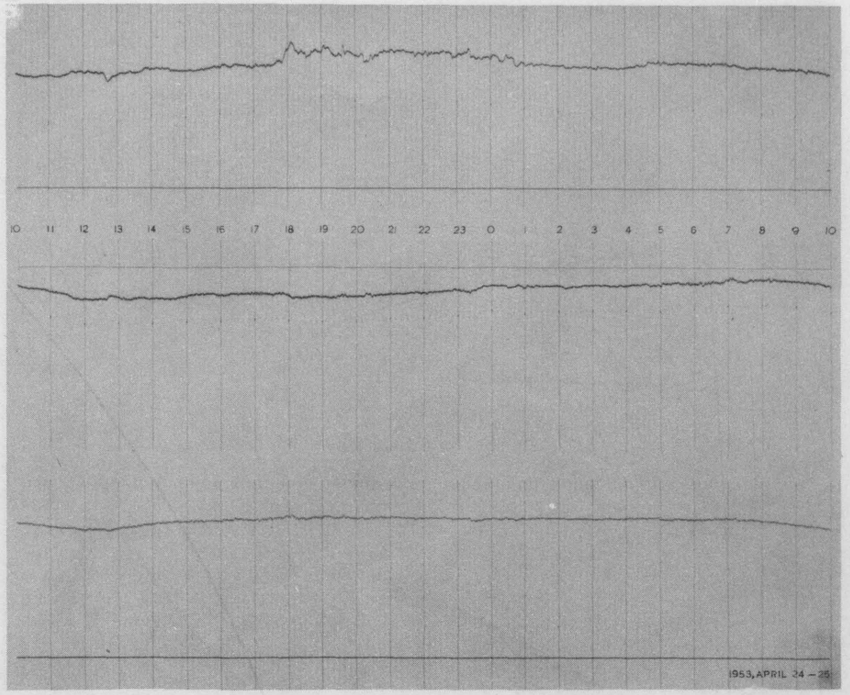
100γ
43050γ
1953 APRIL 23-24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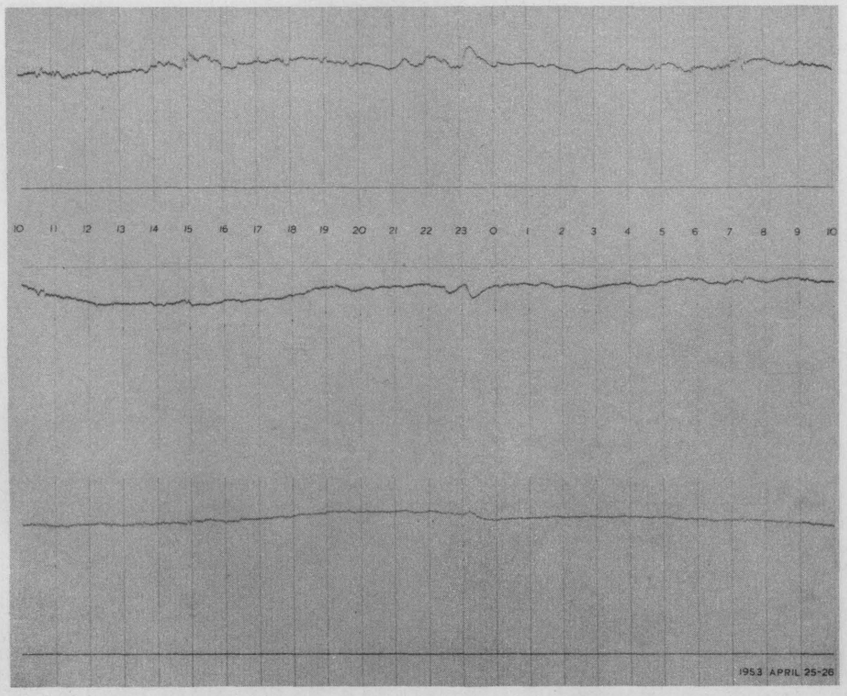
1953, APRIL 24 – 25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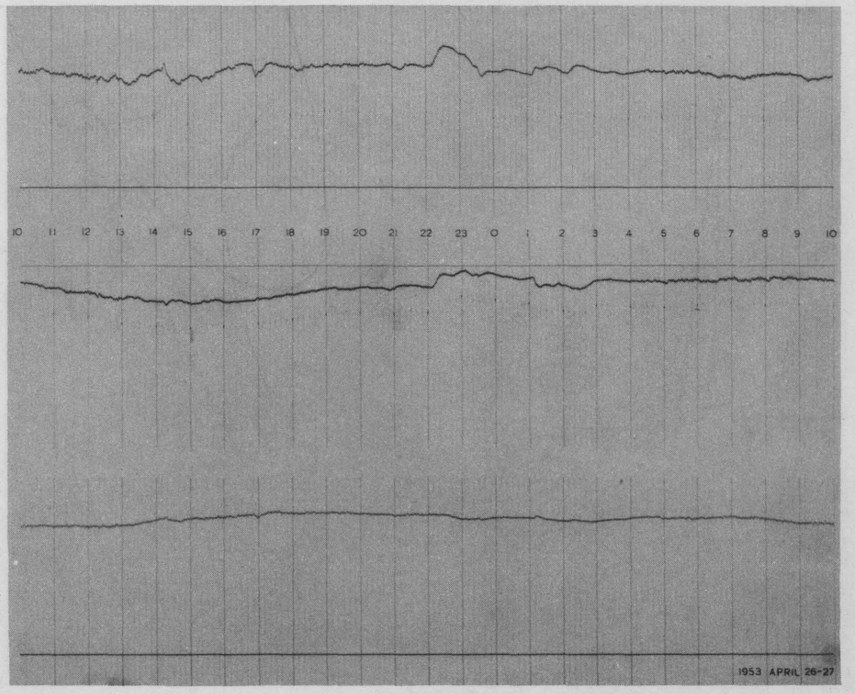
1953 APRIL 25-26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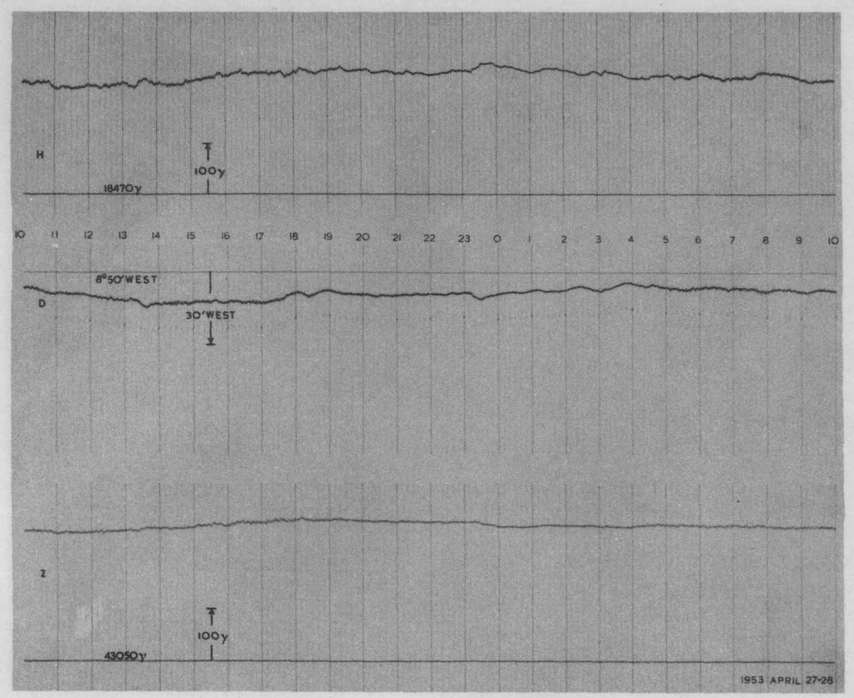
1953 APRIL 26-27


H
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D
30'WEST
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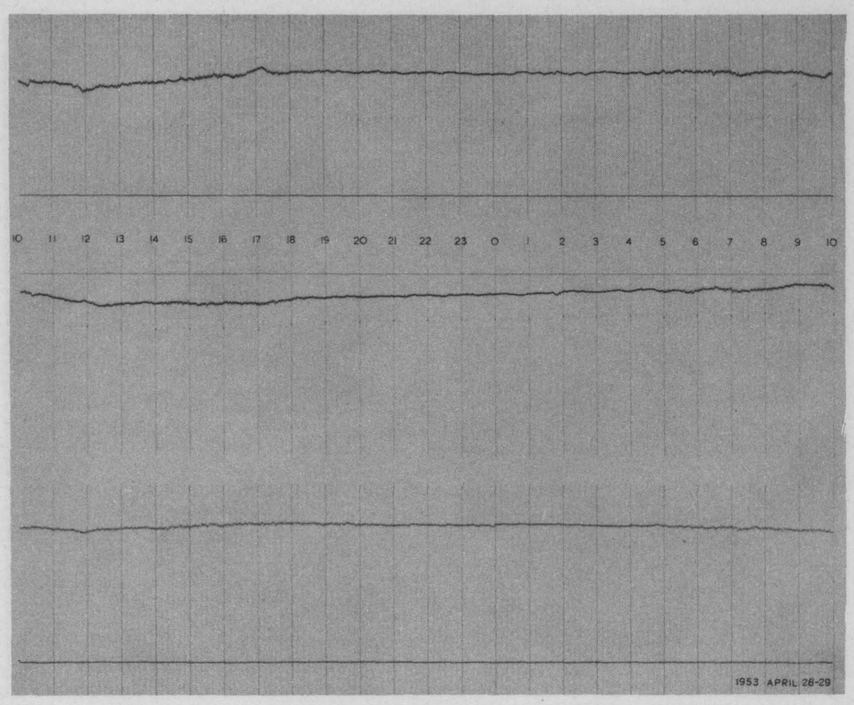
100γ
43050γ
1953 APRIL 27-28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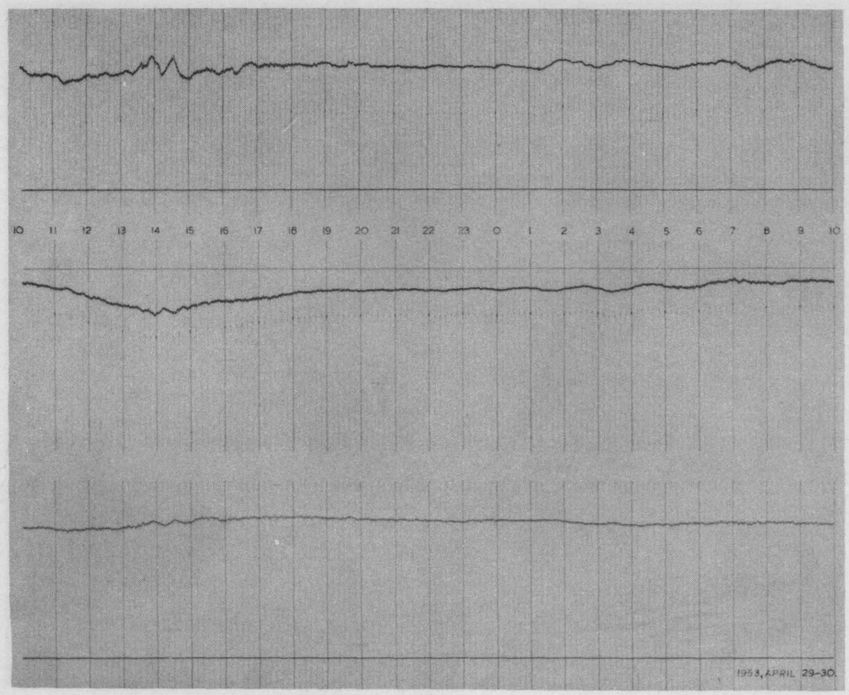
1953 APRIL 28-29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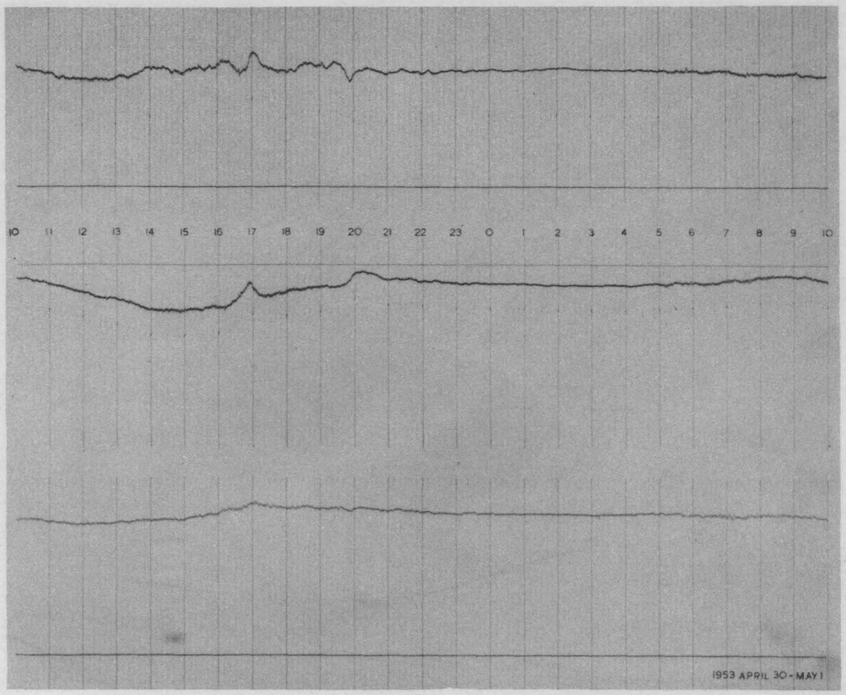
1953, APRIL 29-30.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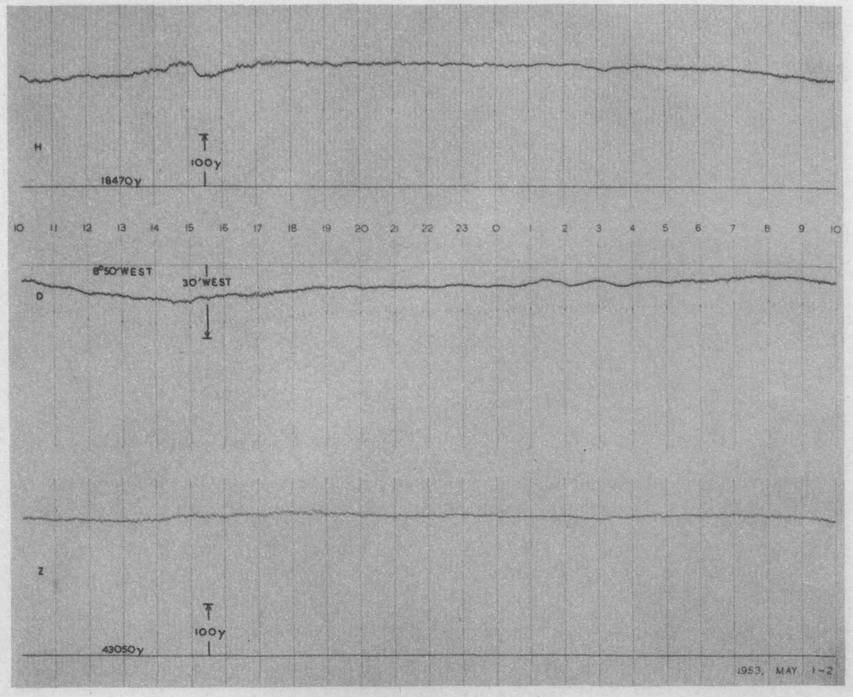
1953 APRIL 30 - MAY 1


H
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100γ
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8°50'WEST
30'WEST
D
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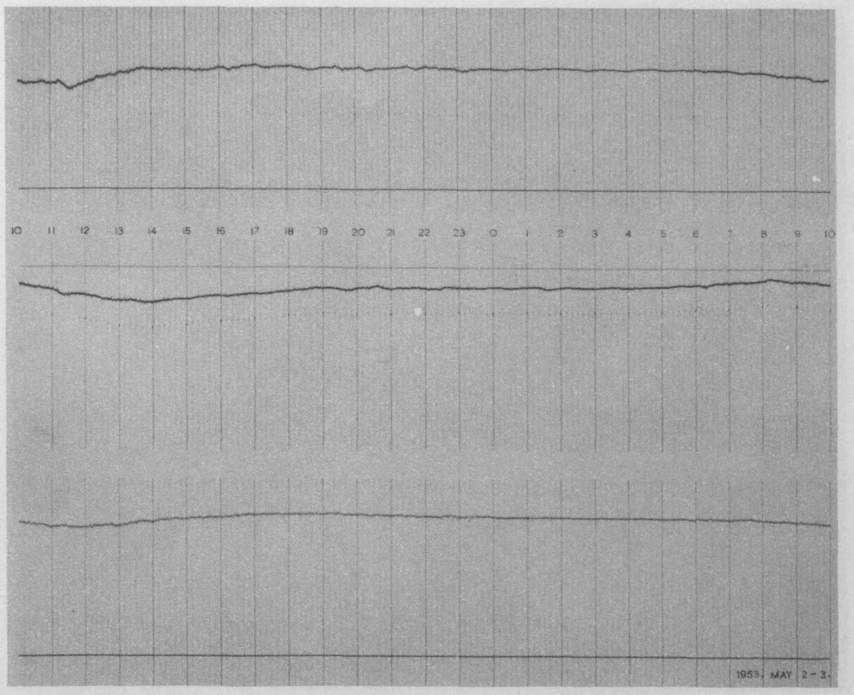
43050γ
100γ
1953, MAY 1-2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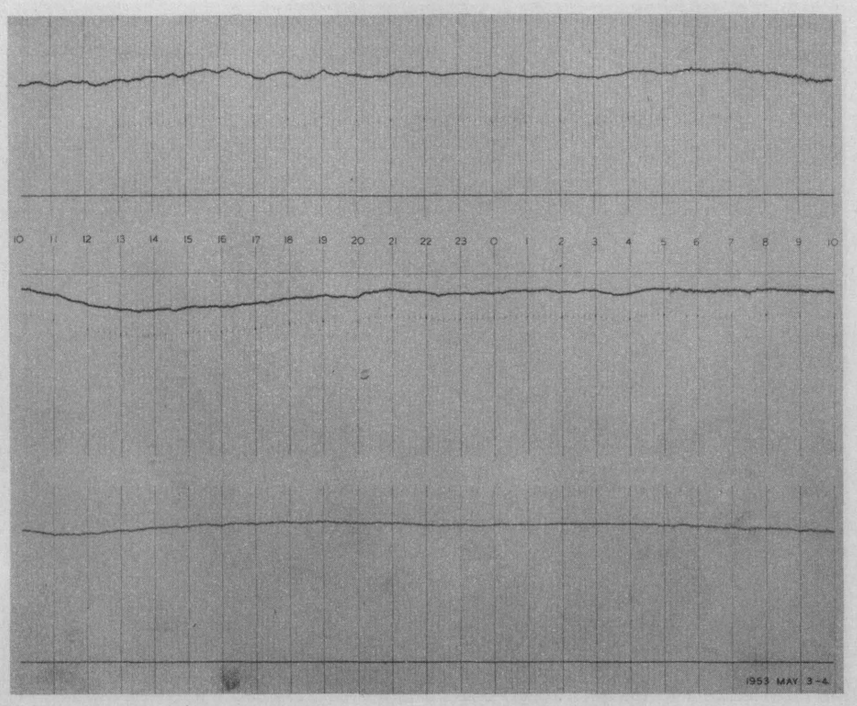
1953, MAY 2-3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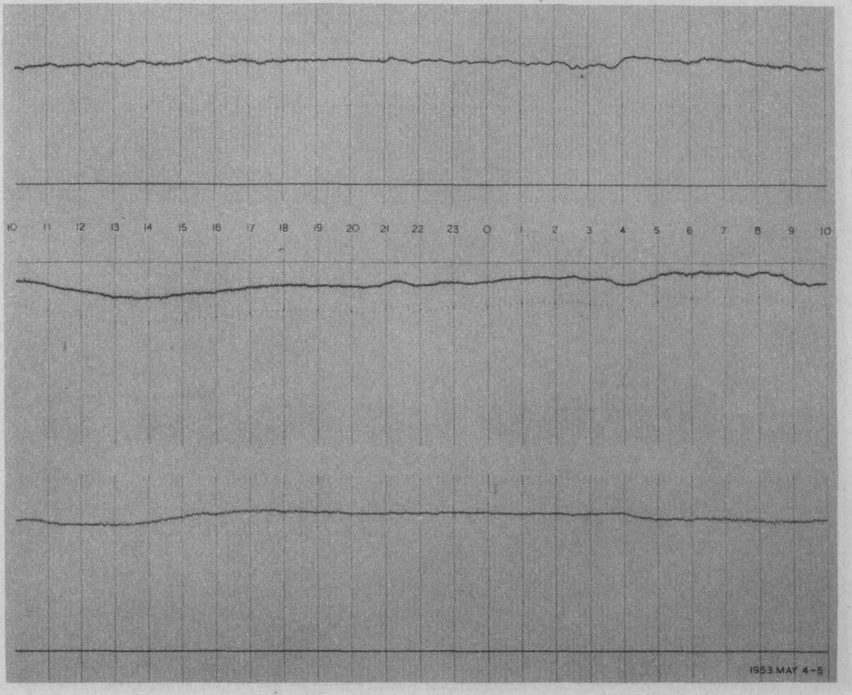
1953 MAY 3-4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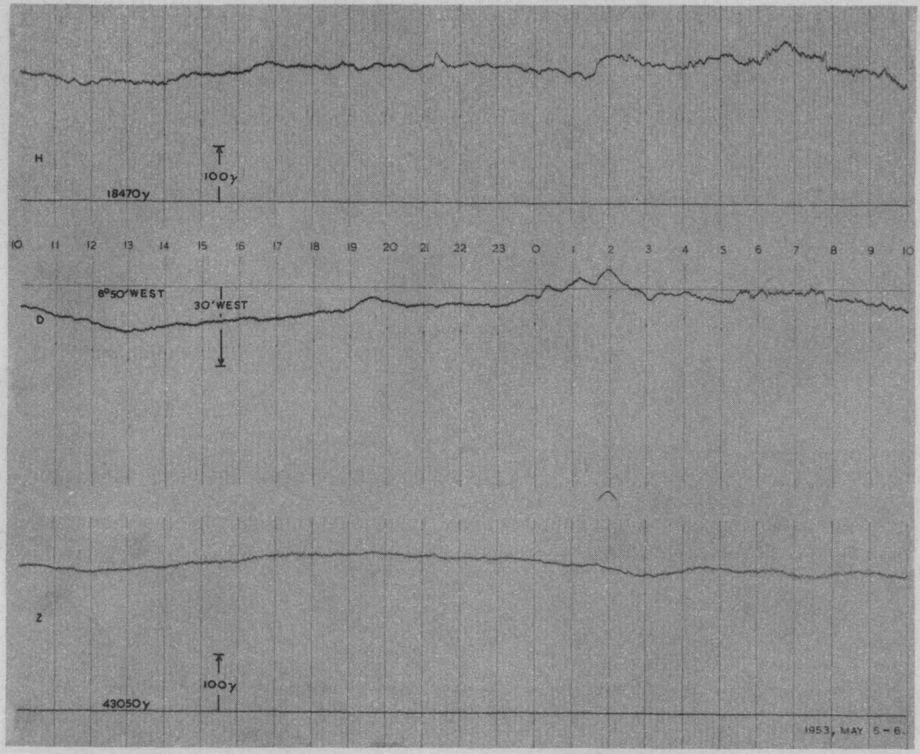
1953 MAY 4-5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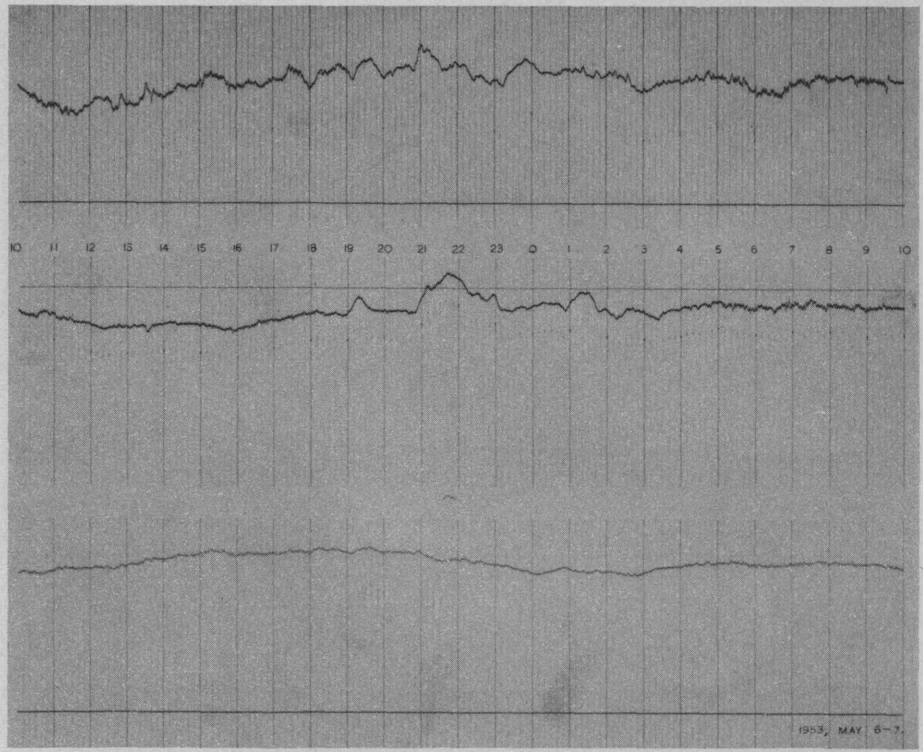
18470γ
100γ
8°50'WEST
30'WEST
D
Z
43050γ
100γ
1953, MAY 5-6.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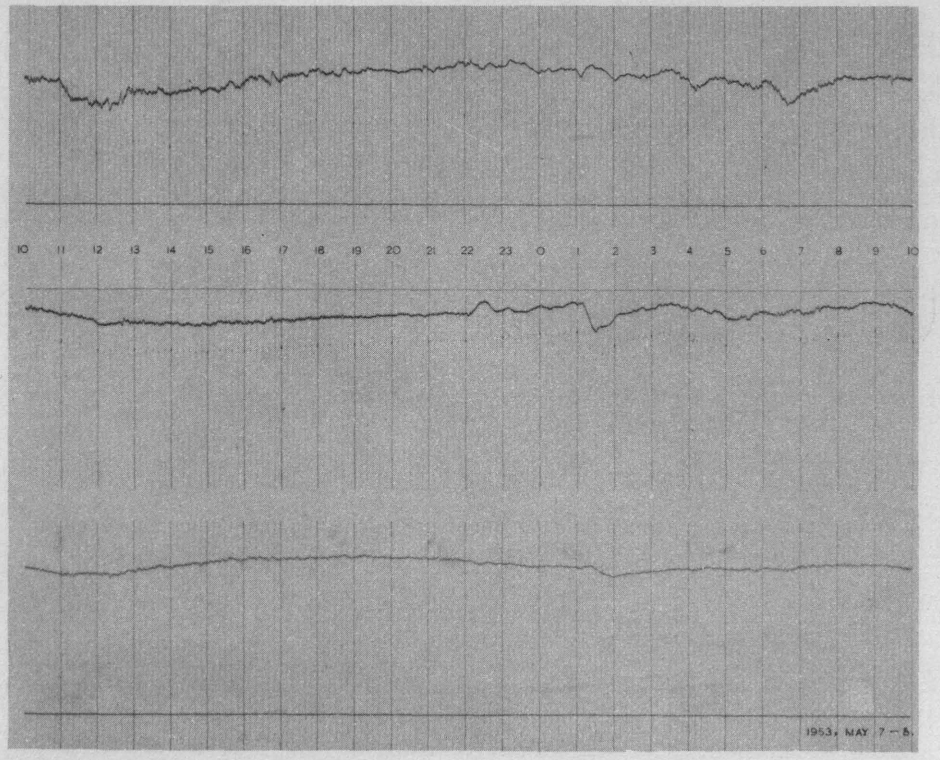
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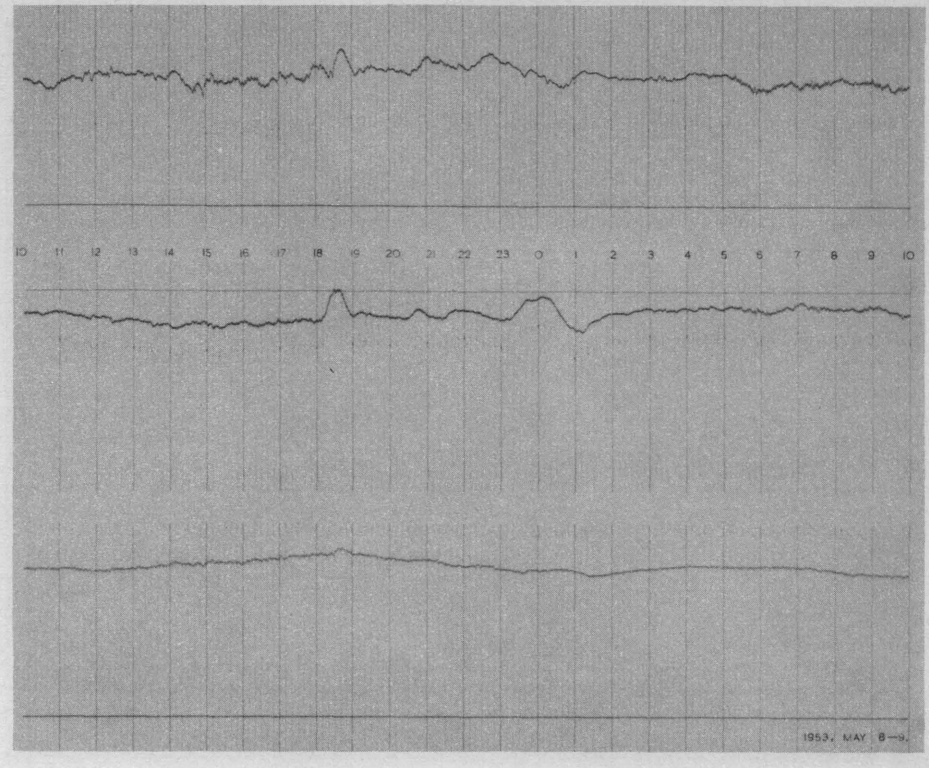
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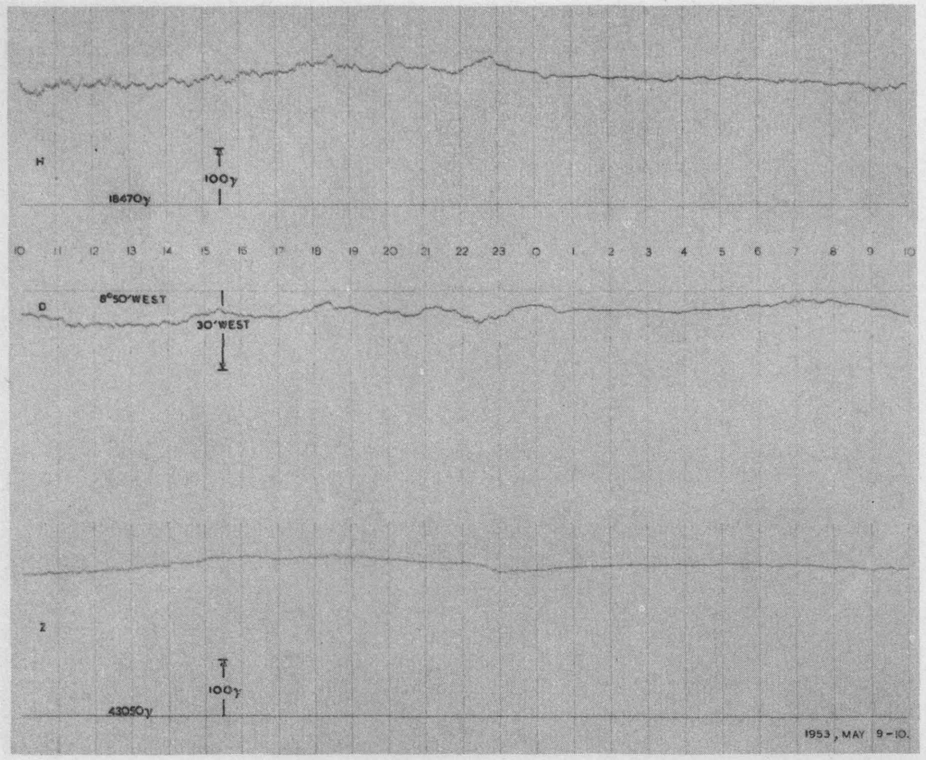
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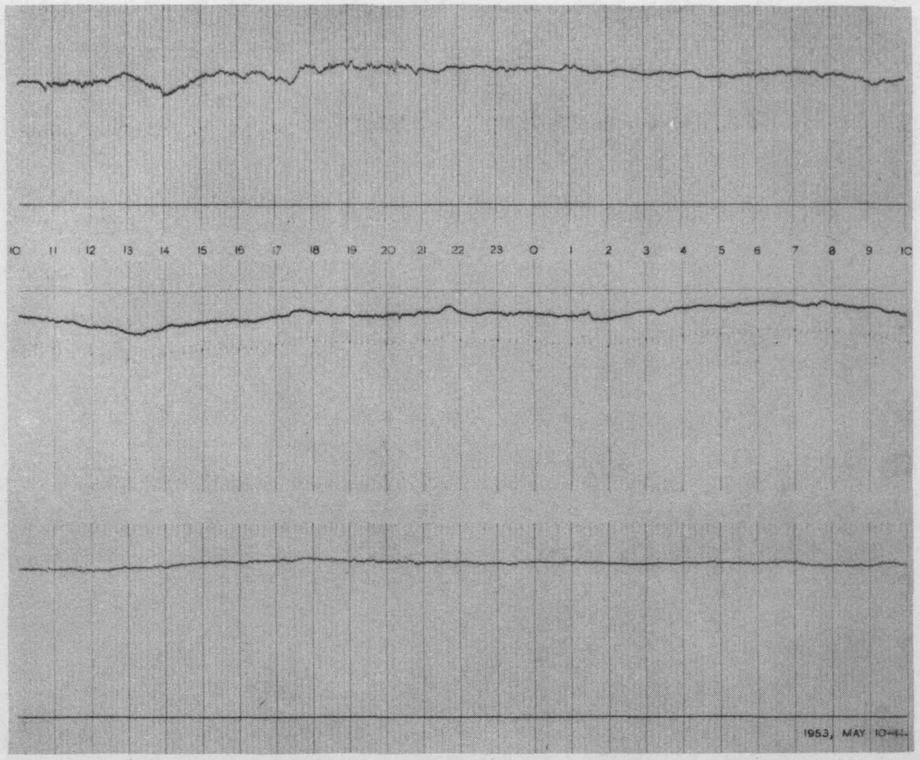
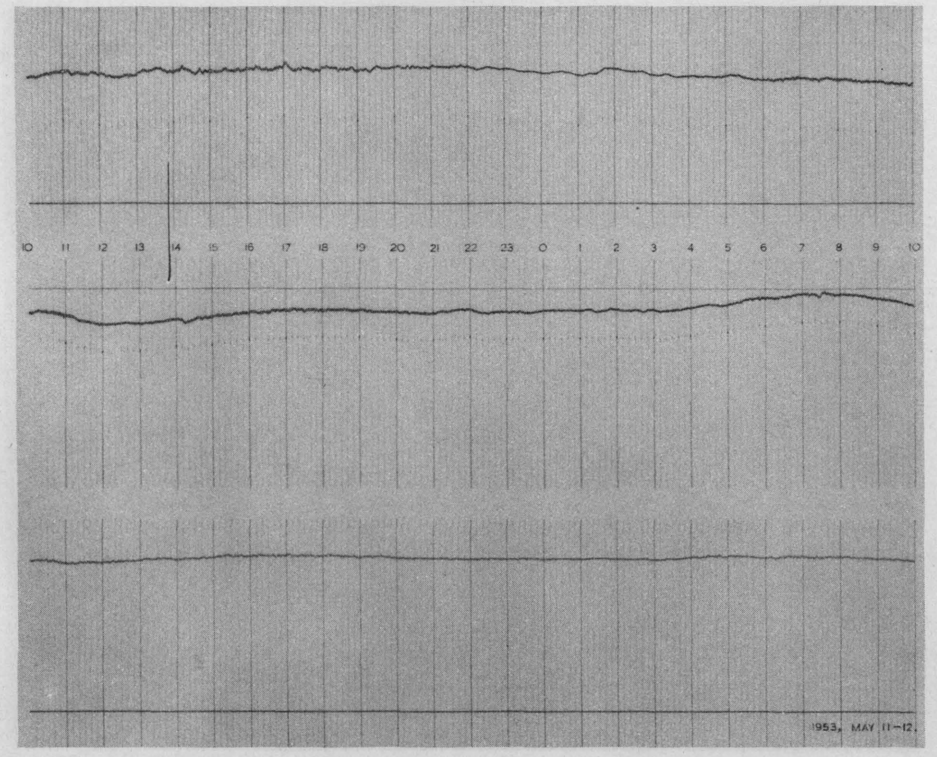
18470γ
100γ
D
8°50'WEST
30'WEST
Z
43050γ
100γ
1953, MAY 9-10.


1953, MAY 10-11.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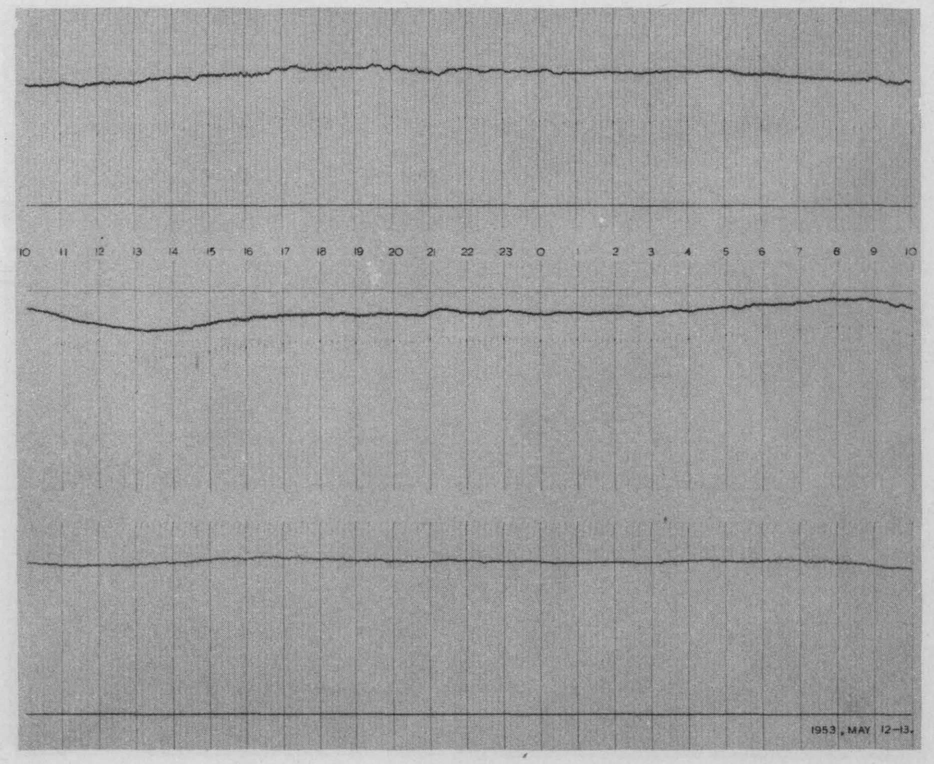
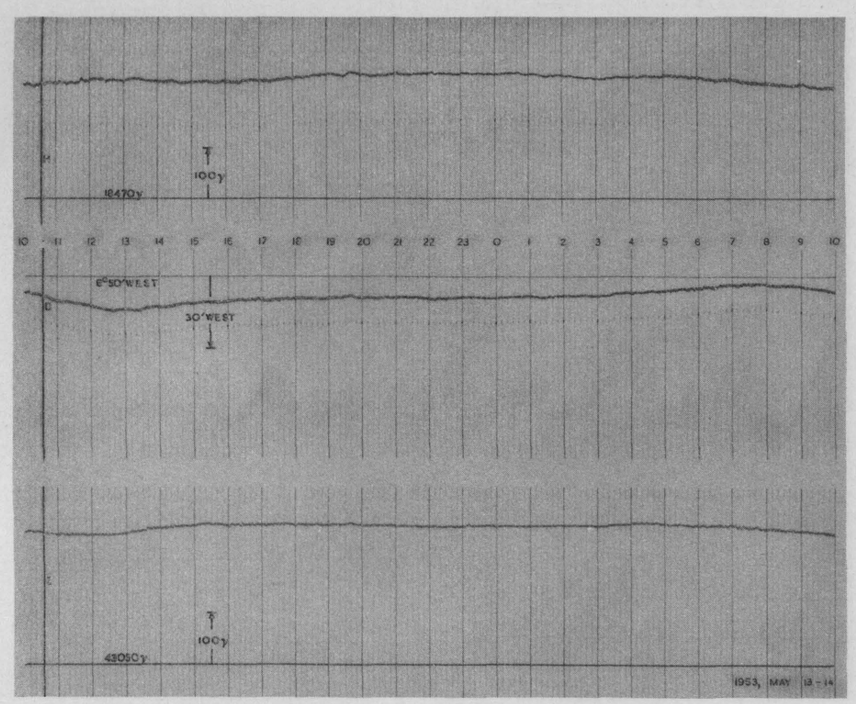

1953, MAY 12-13.


18470γ
100γ
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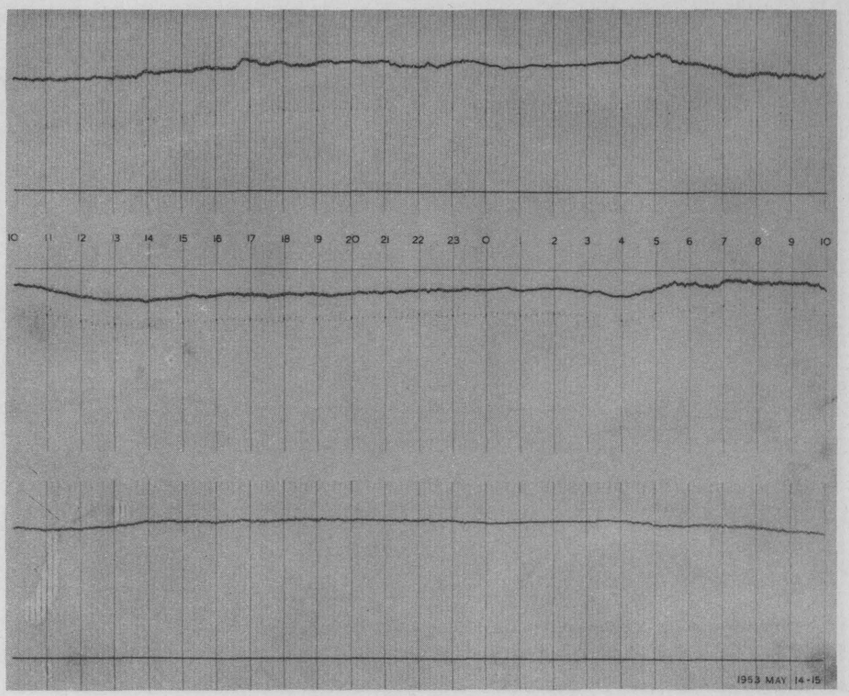
6°50' WEST
30' WEST
43050γ
100γ
1953, MAY 13-14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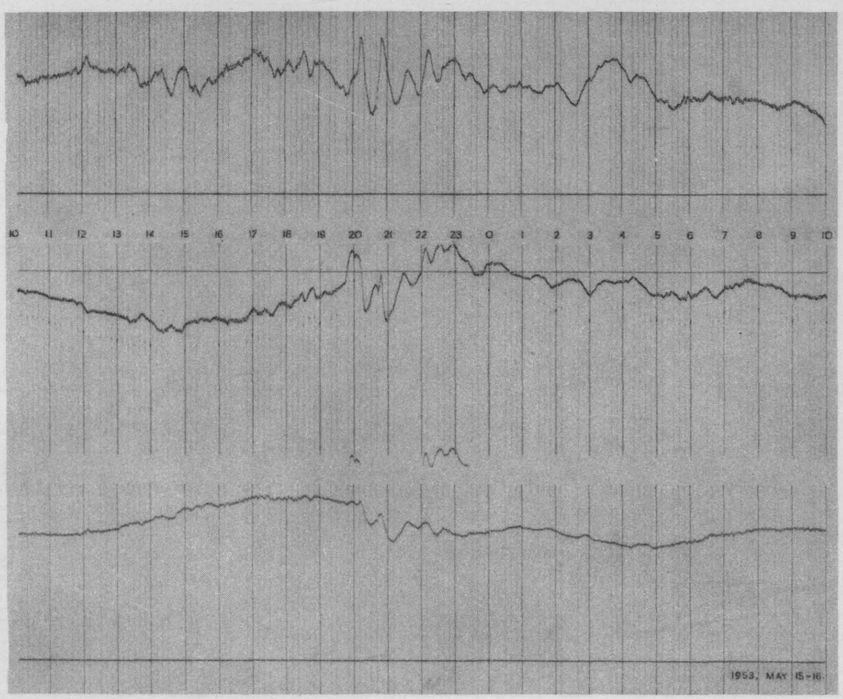
1953 MAY 14-15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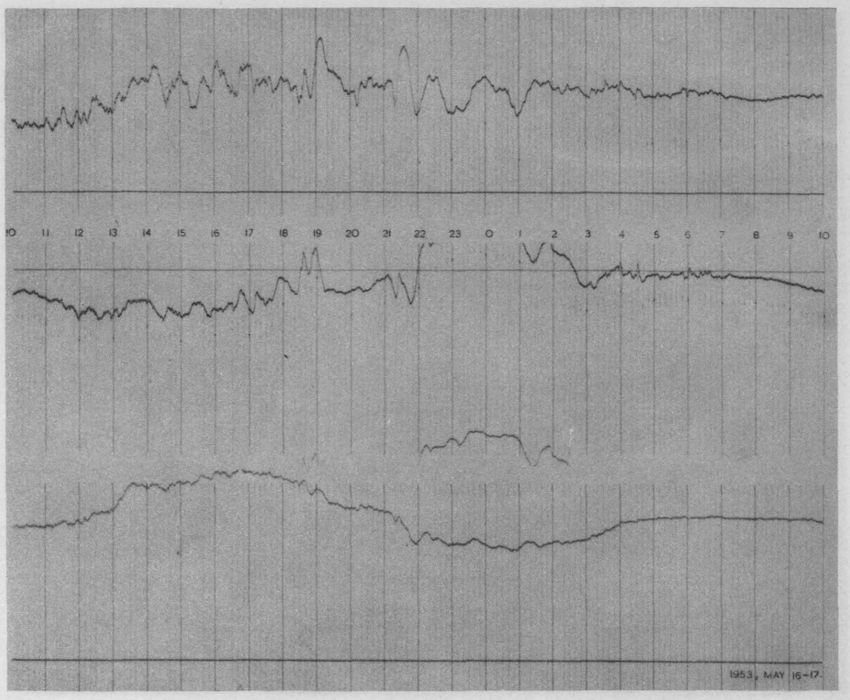
1953, MAY 15-16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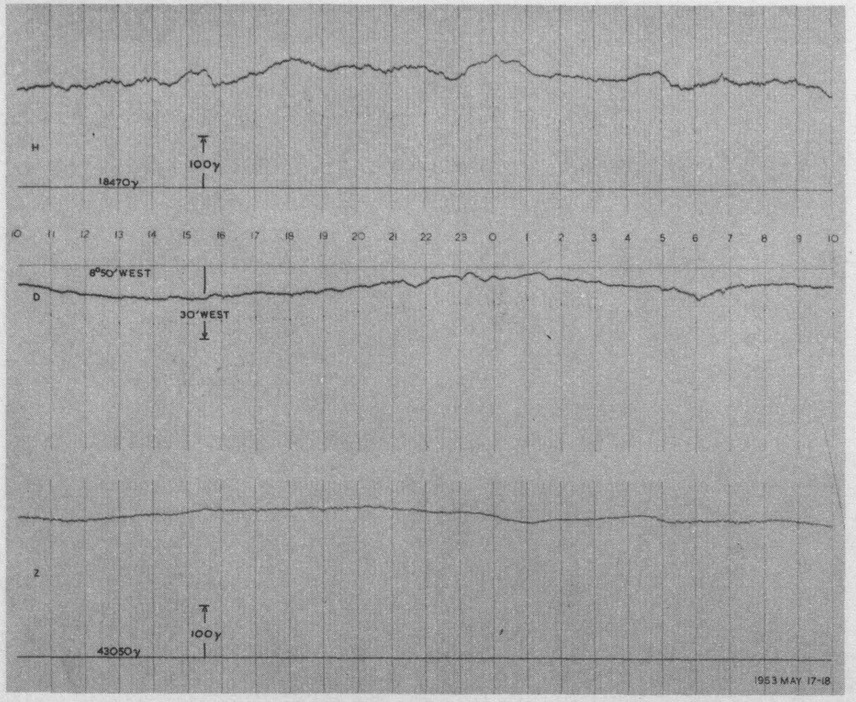
1953, MAY 16-17


H
18470γ
100γ
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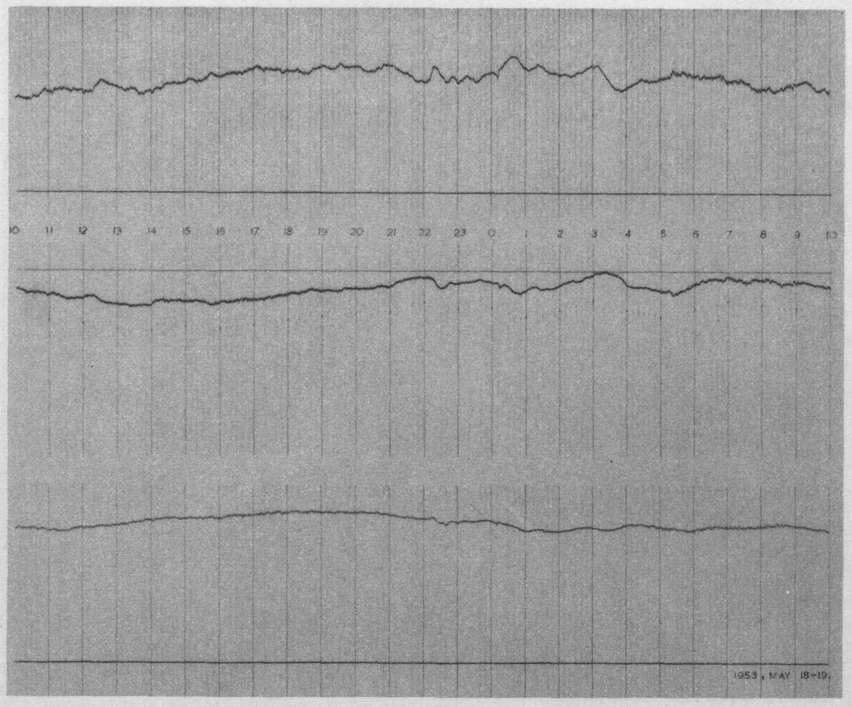
8°50' WEST
D
30' WEST
Z
43050γ
100γ
1953 MAY 17-18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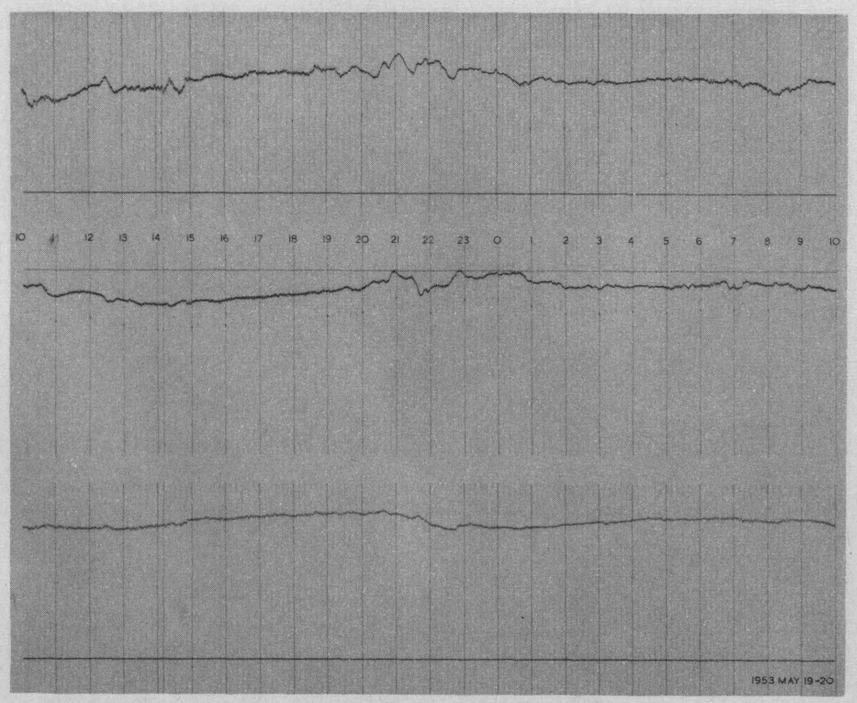
1953, MAY 18-19.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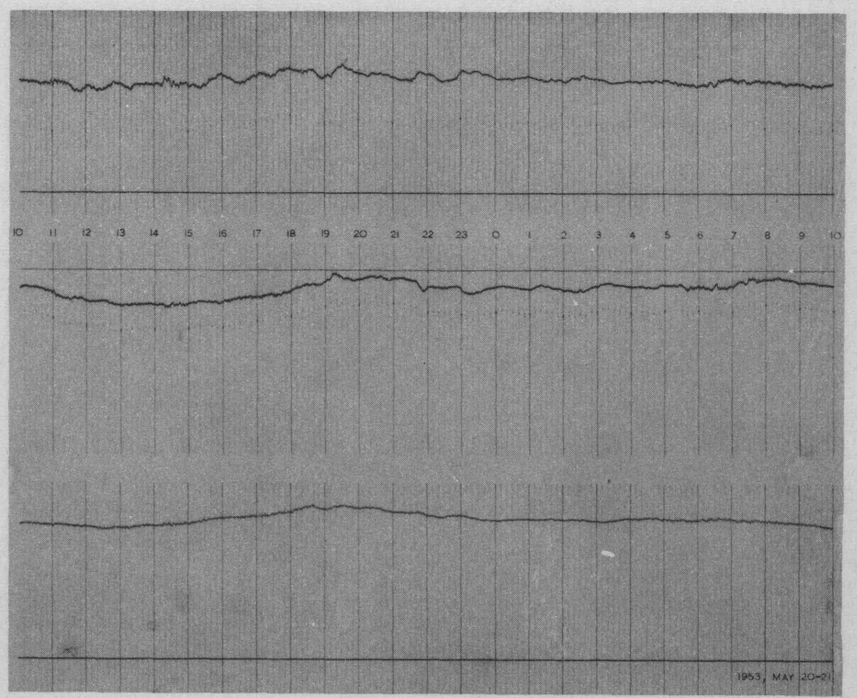
1953 MAY 19-20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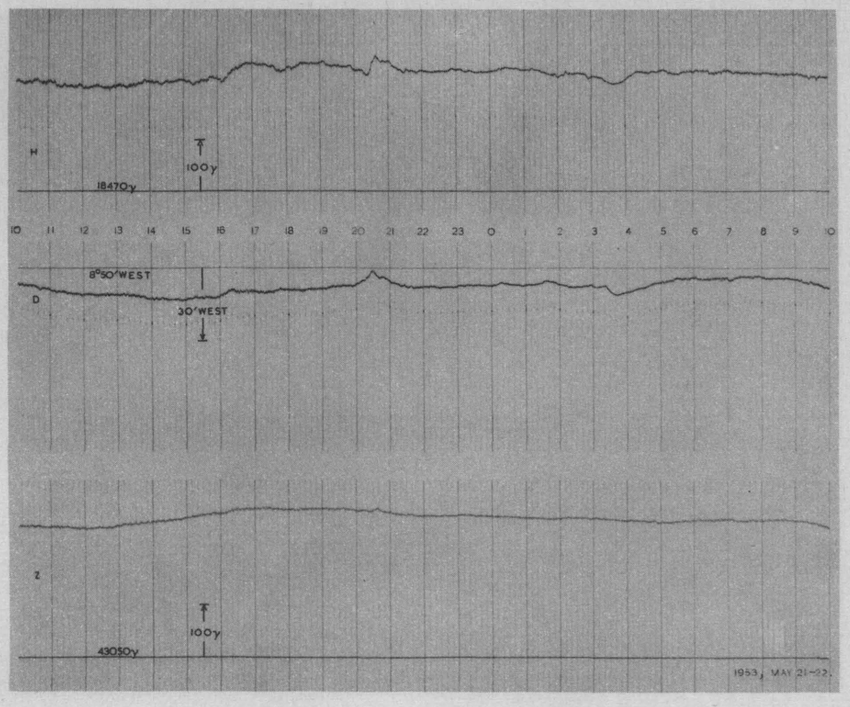
1953, MAY 20-21


H
100γ
18470γ
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°50'WEST
D
30'WEST
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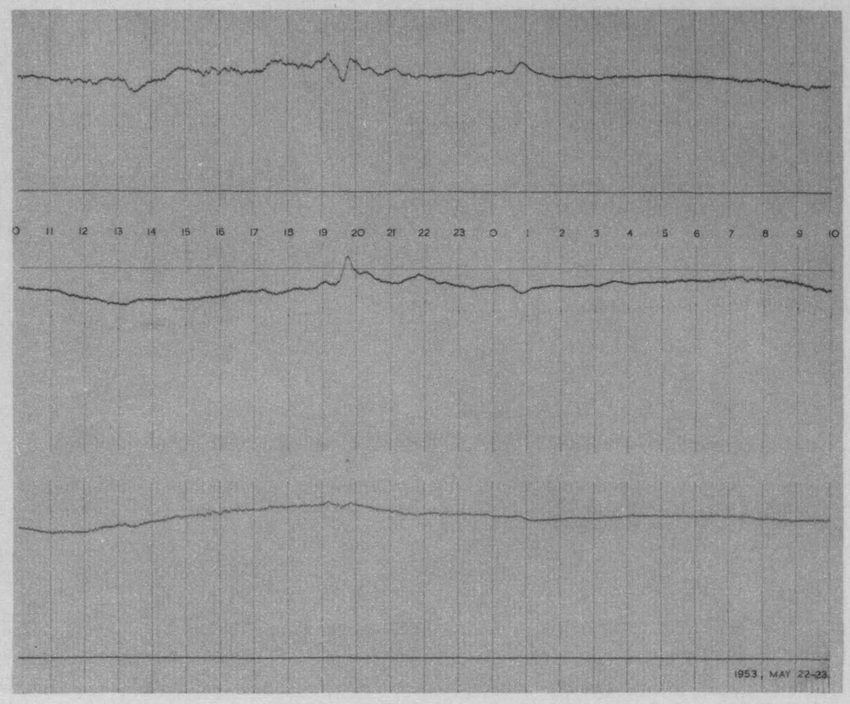
100γ
43050γ
1953, MAY 21-22.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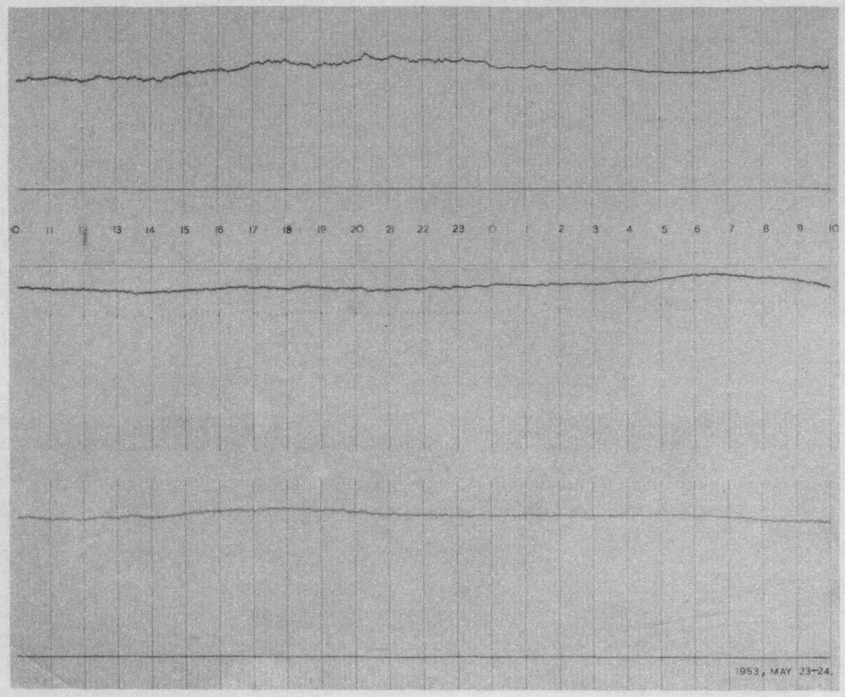
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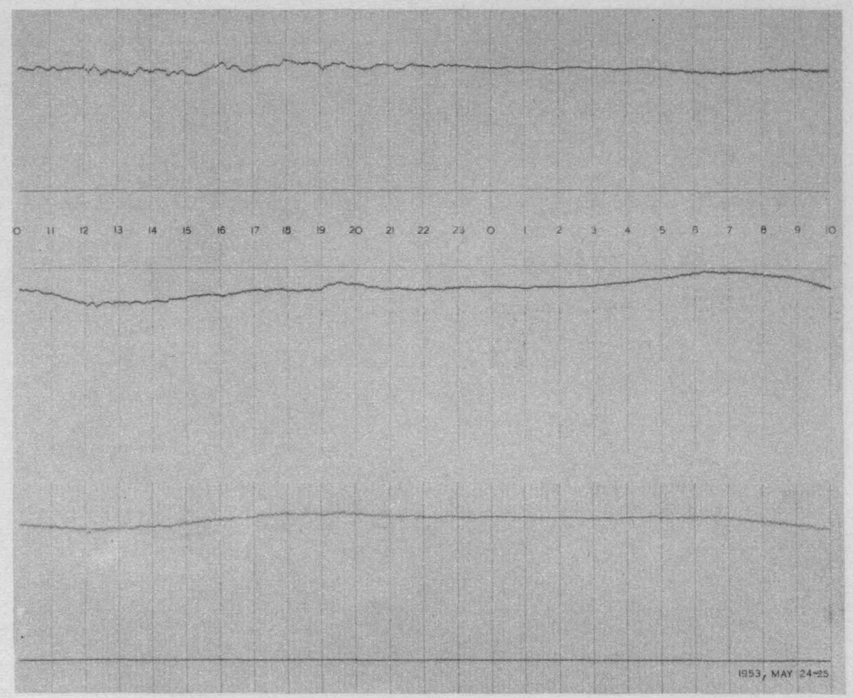
1953, MAY 23-24.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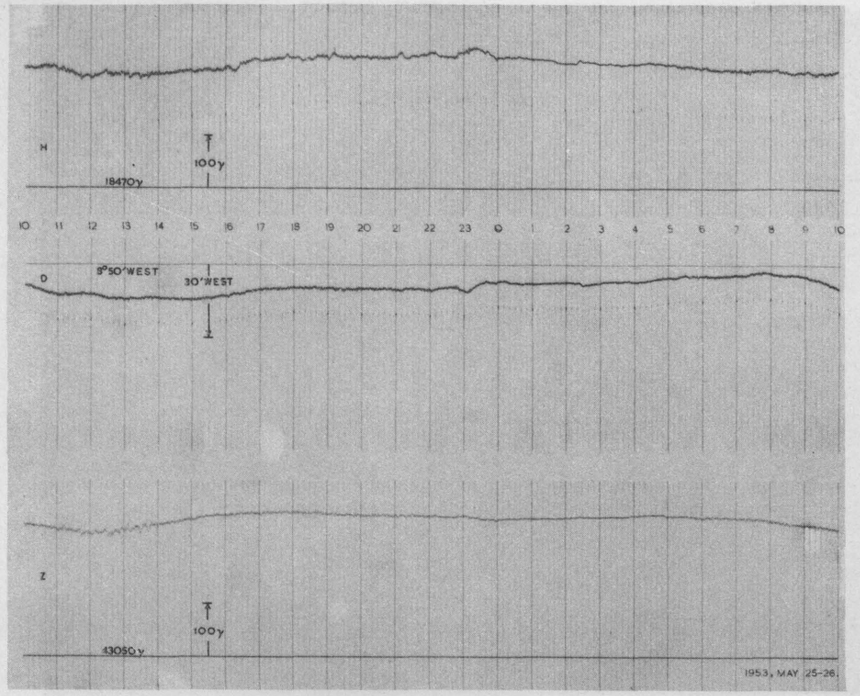
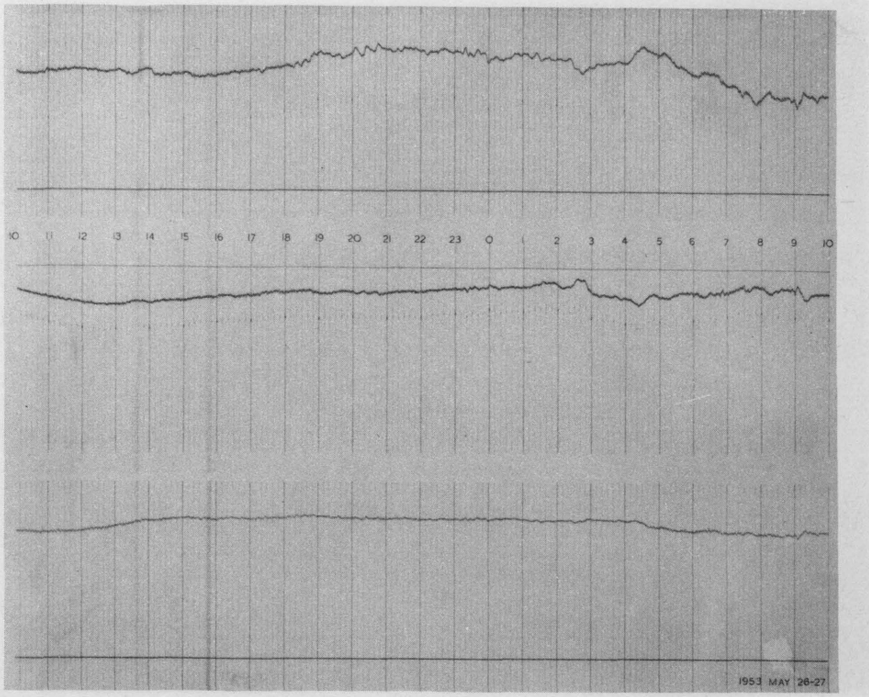
1953, MAY 24-25


H
18470γ
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
9°50' WEST
30' WEST
Z
43050γ
100γ
1953, MAY 25-26.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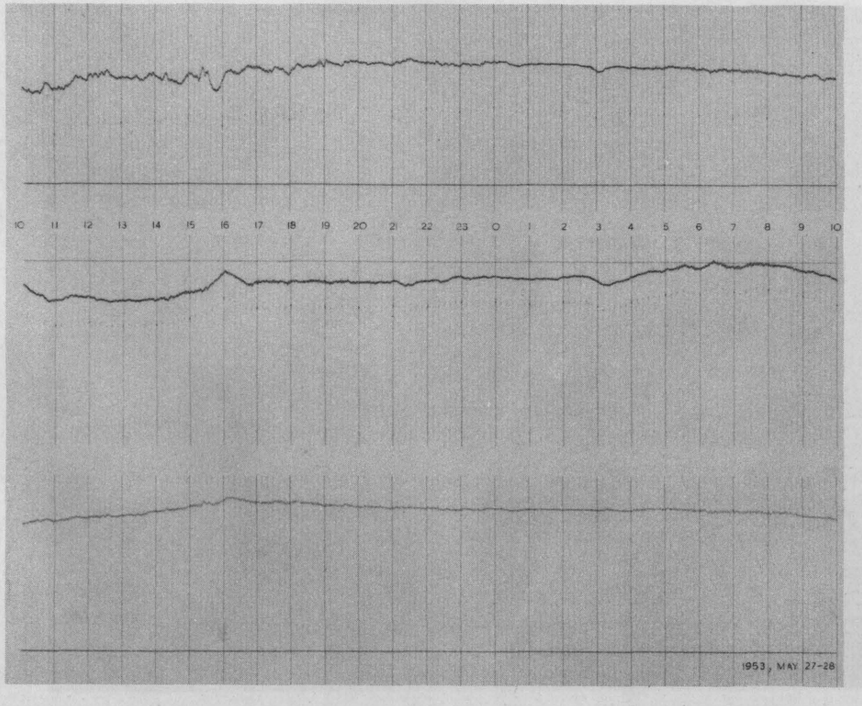
1953 MAY 26-27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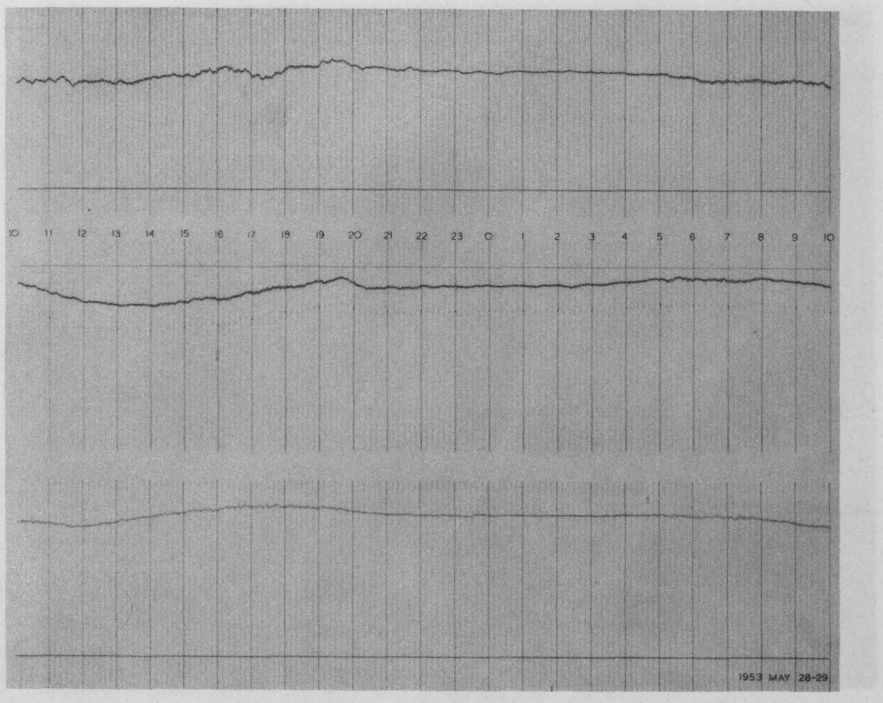
1953, MAY 27-28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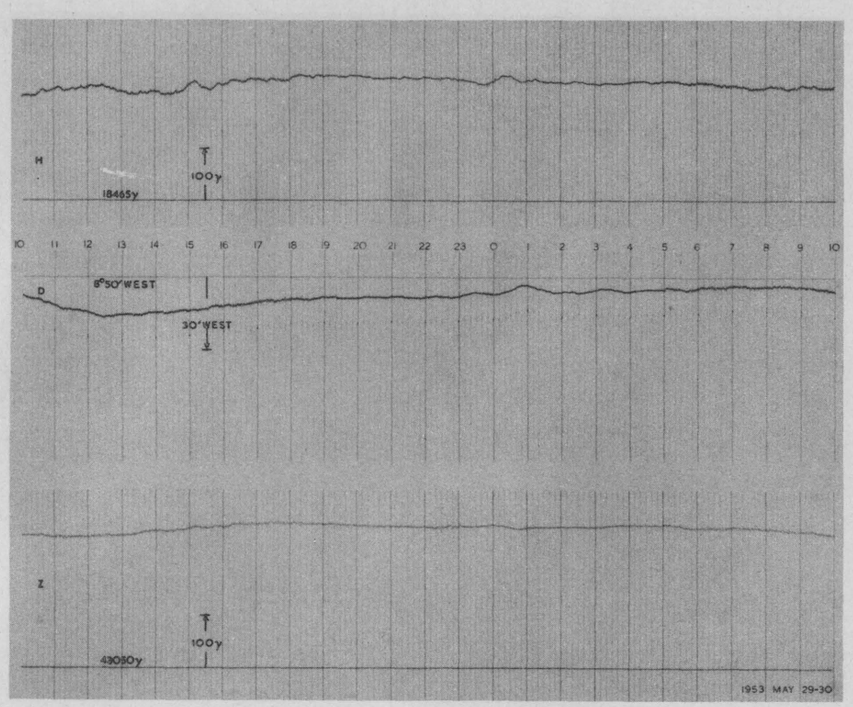
1953 MAY 28-29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100y
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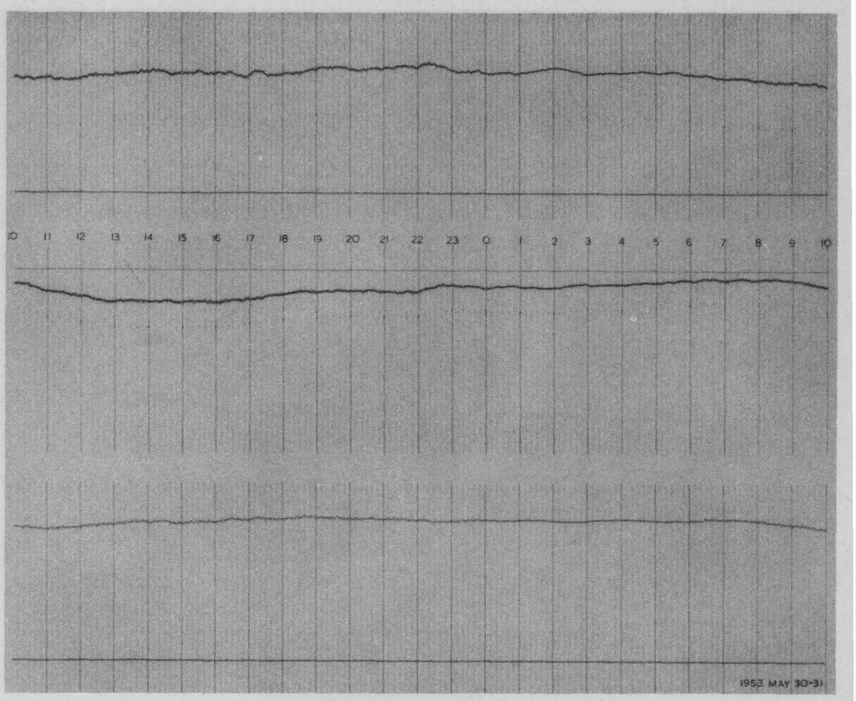
D
8°50'WEST
30'WEST
Z
43080y
100y
1953 MAY 29-30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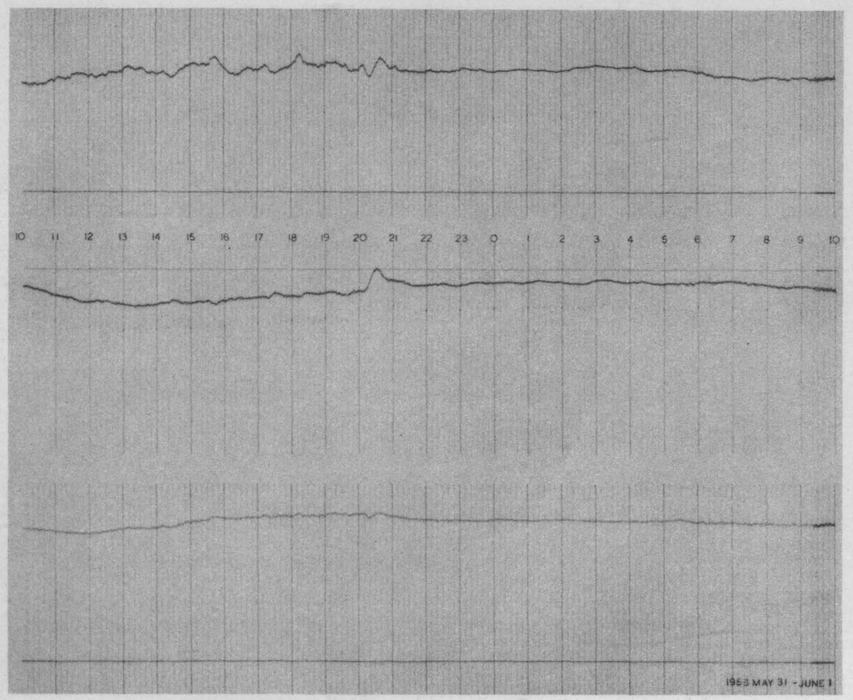
1953 MAY 30-31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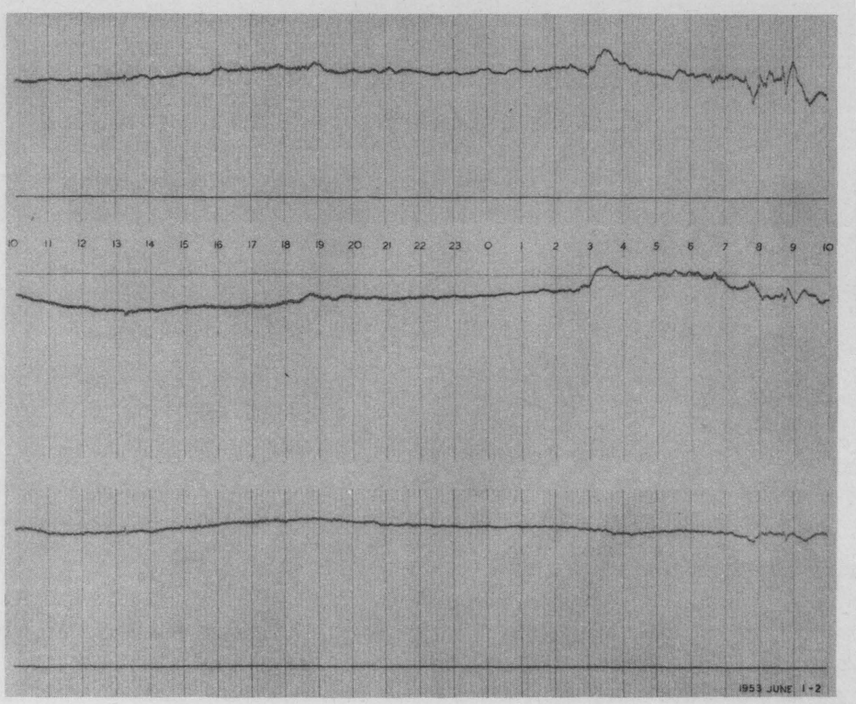
1953 MAY 31 - JUNE 1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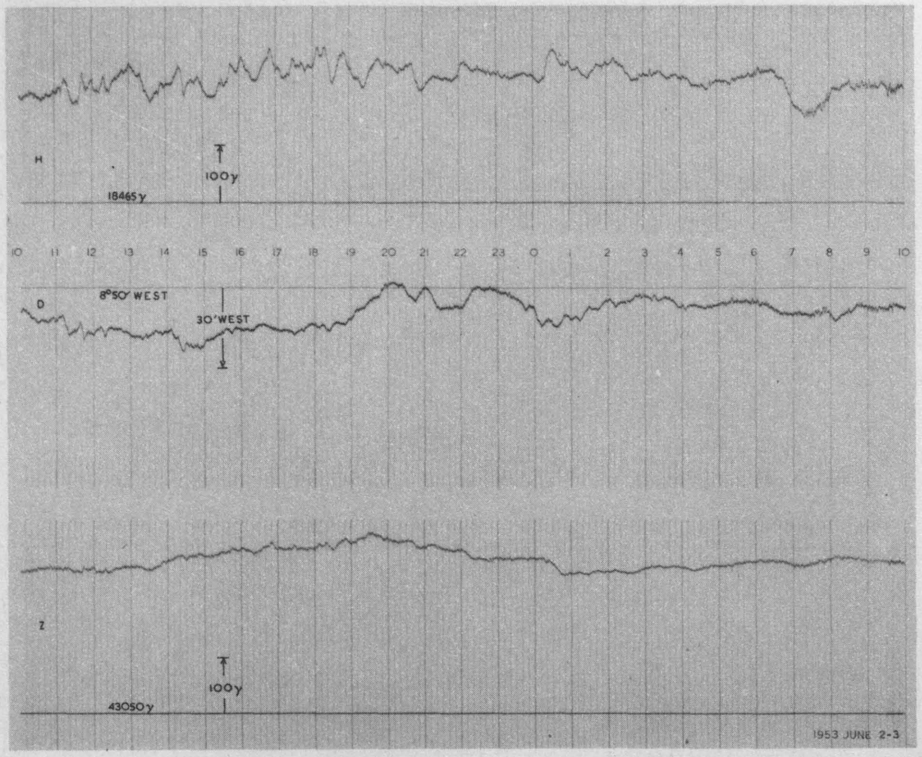
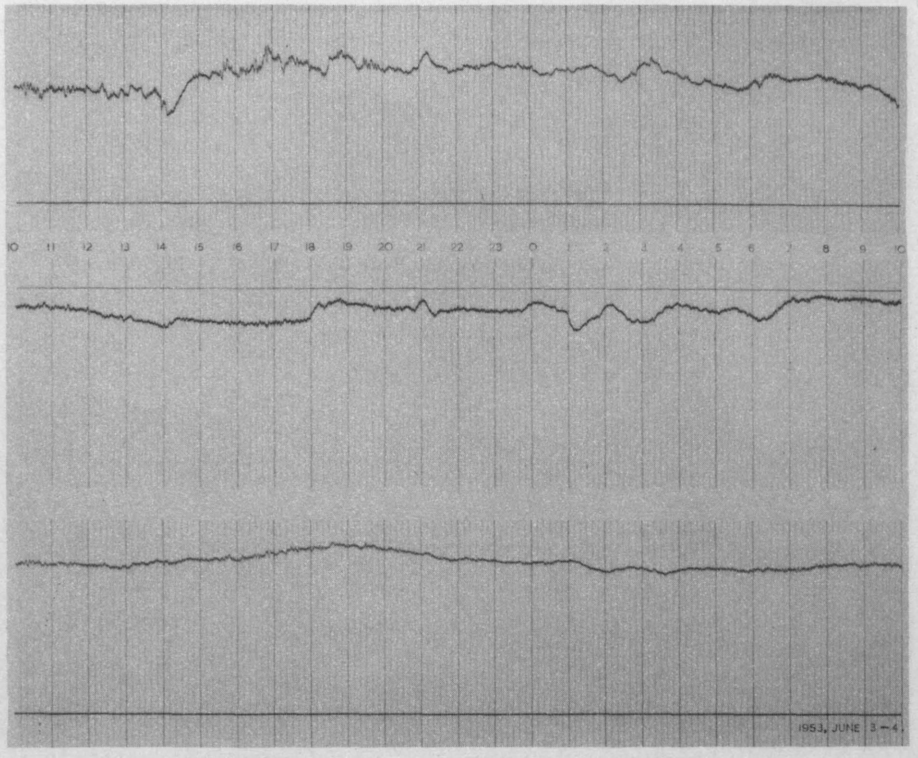
1953 JUNE 1-2


H
18465γ
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
8°50' WEST
30' WEST
Z
43050γ
100γ
1953 JUNE 2-3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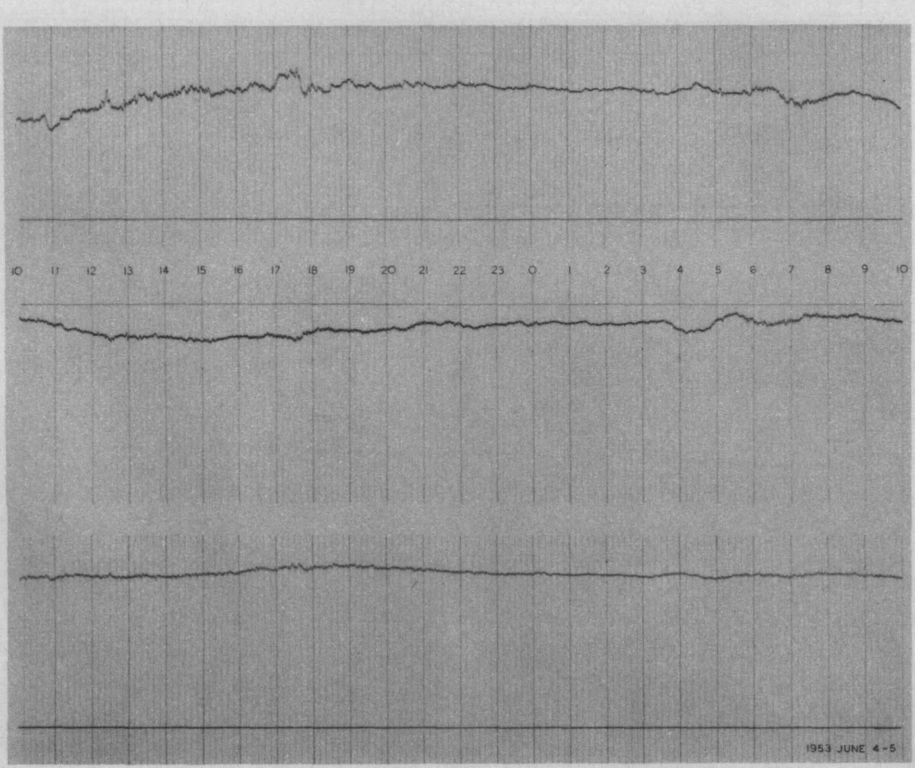
1953, JUNE 3-4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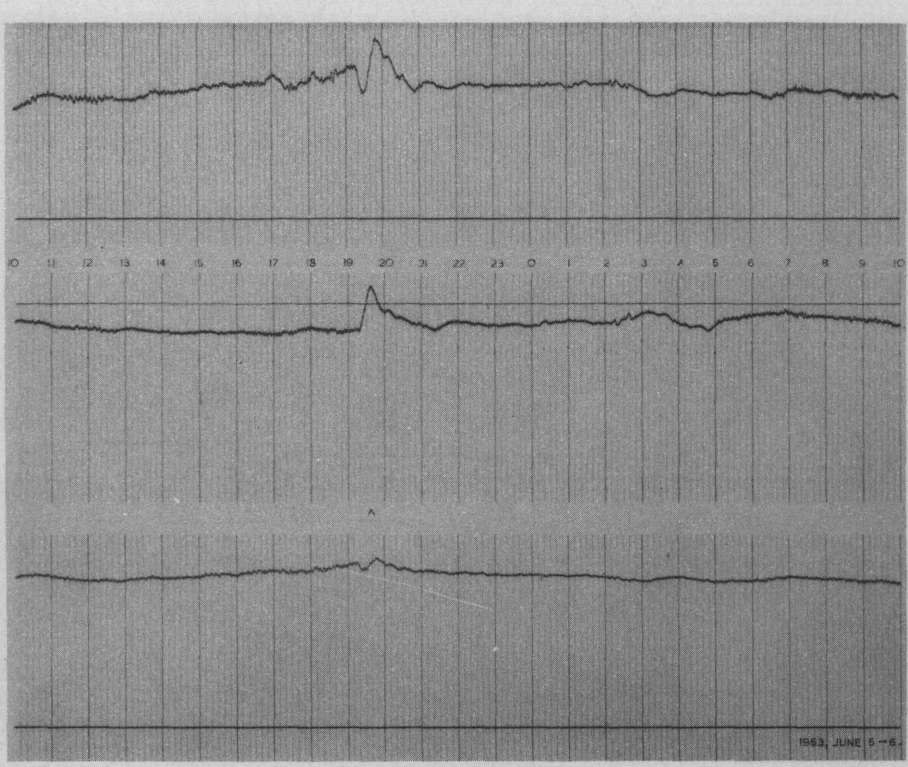
1953 JUNE 4-5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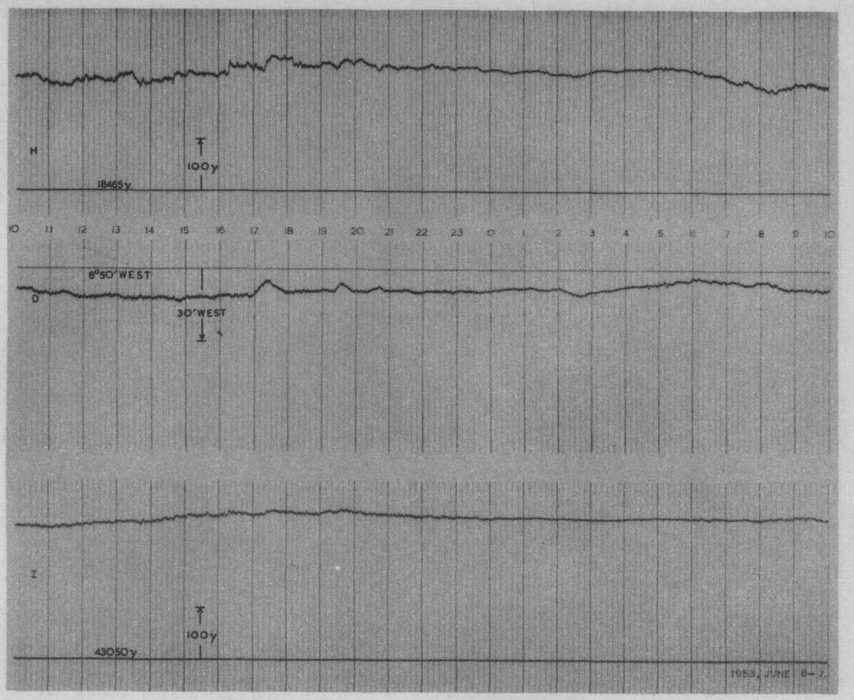
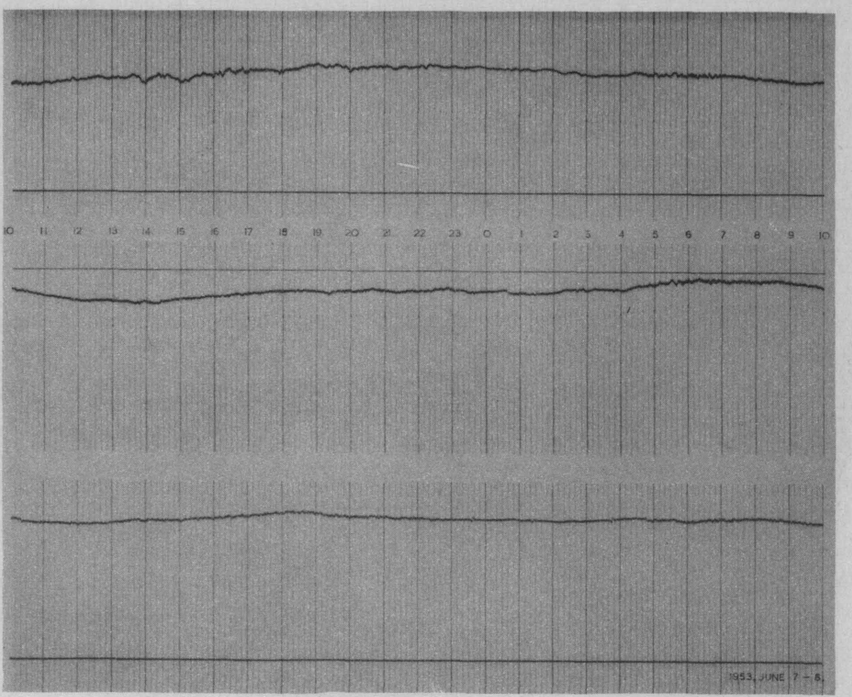
1953, JUNE 5-6


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
8°50' WEST
D
30' WEST
Z
100γ
43050γ
1953, JUNE 6–7.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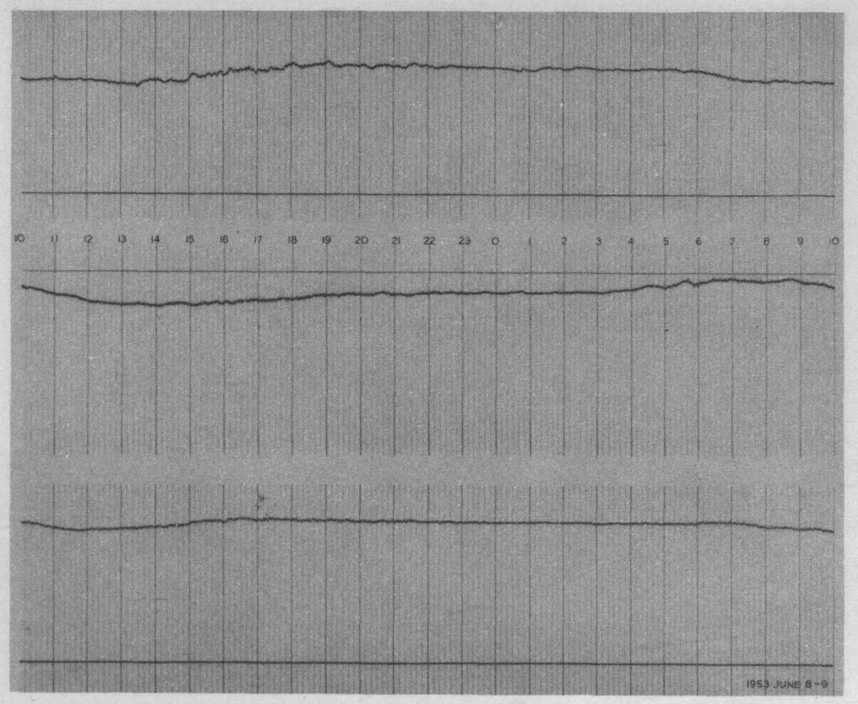
1953, JUNE 7–8.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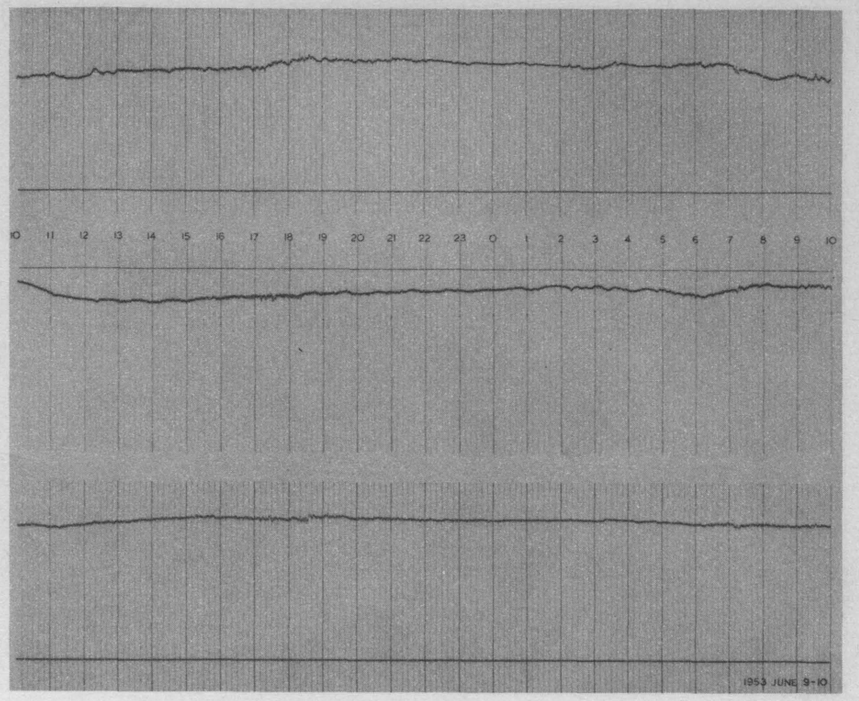
1953, JUNE 8–9.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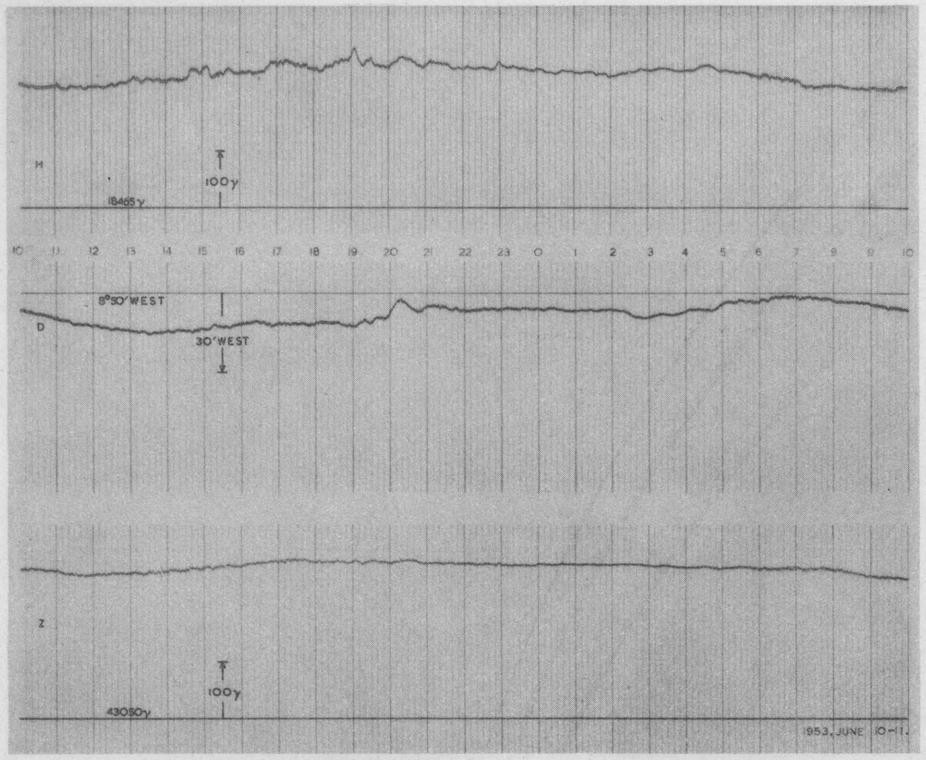
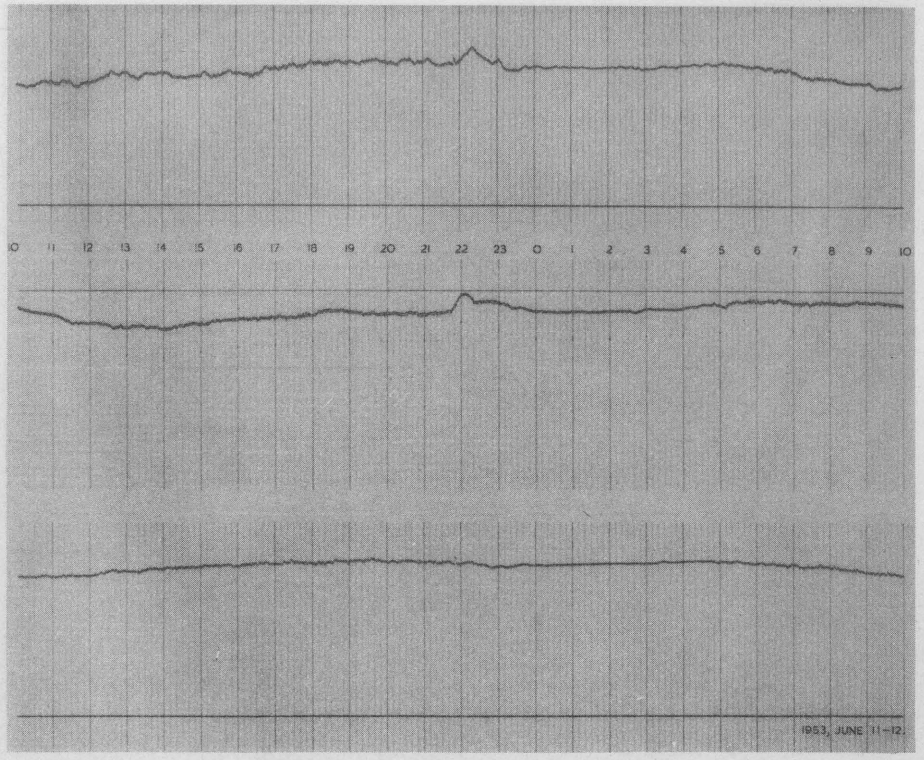
1953, JUNE 9–10.


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
8°30′ WEST
D
30′ WEST
Z
100γ
43050γ
1953, JUNE 10–11.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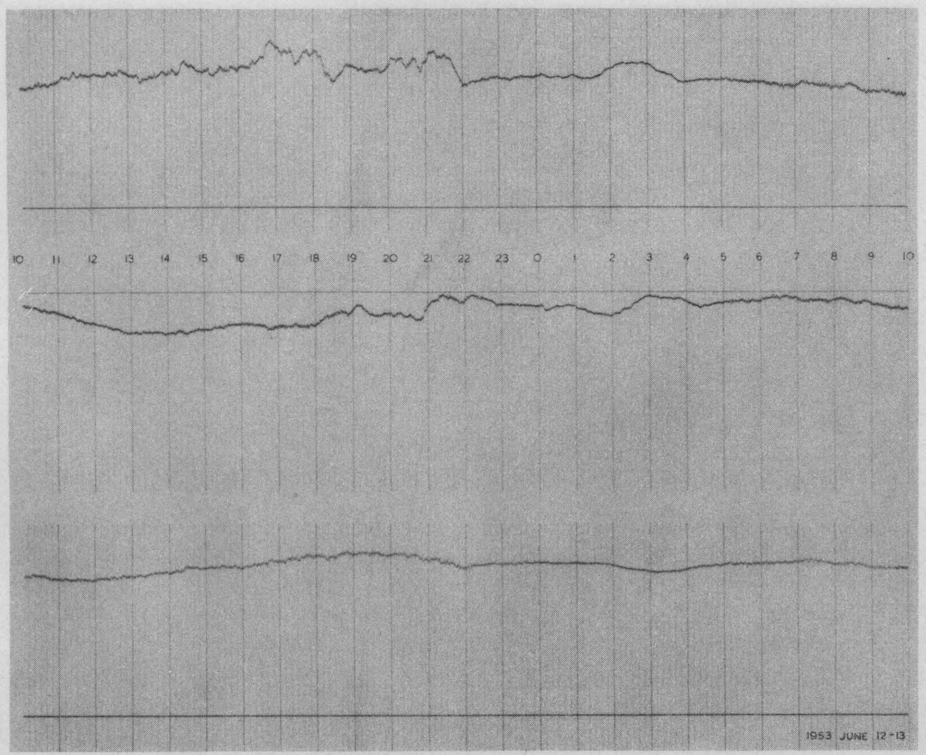
1953, JUNE 11–12.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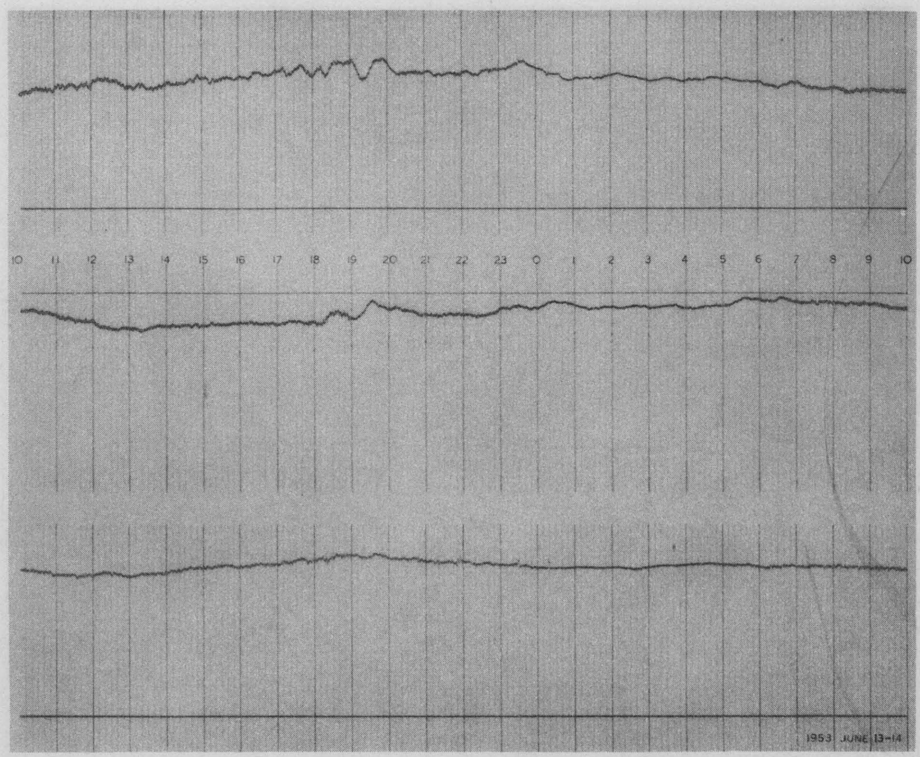
1953 JUNE 12–13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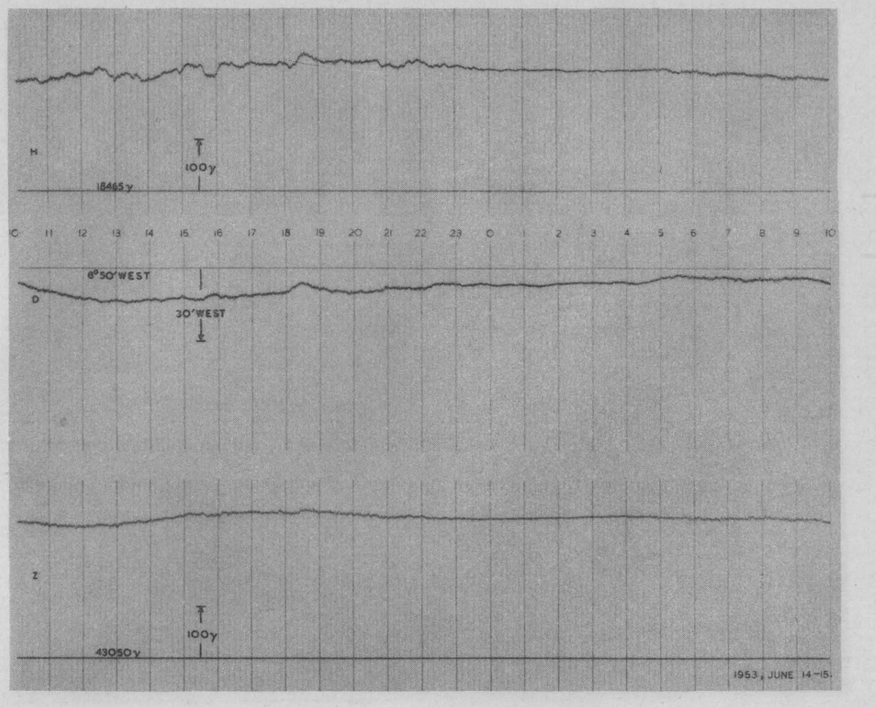
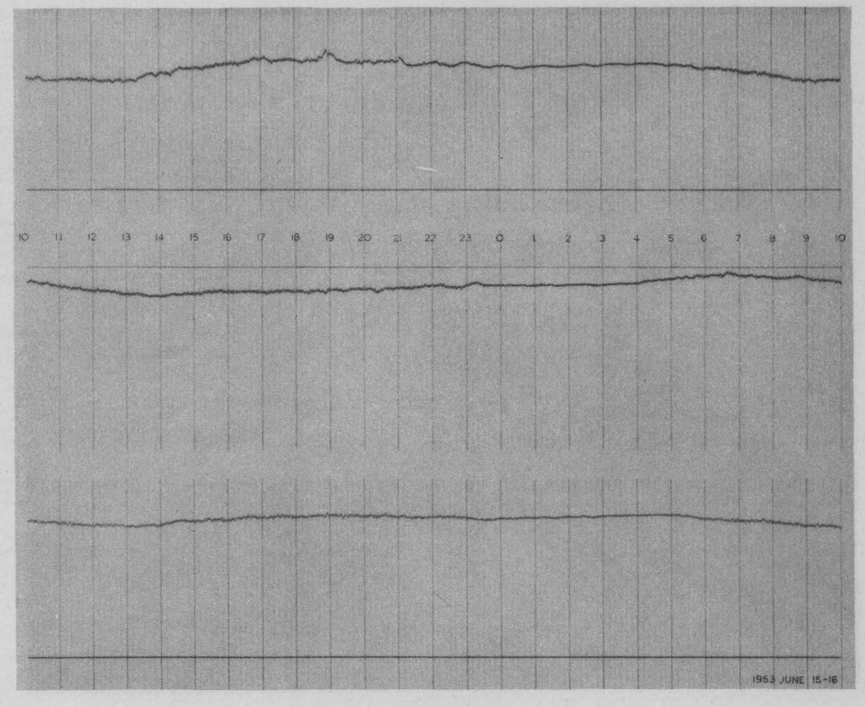
1953 JUNE 13–14


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
8°50'WEST
D
30'WEST
Z
100γ
43050γ
1953 JUNE 14-15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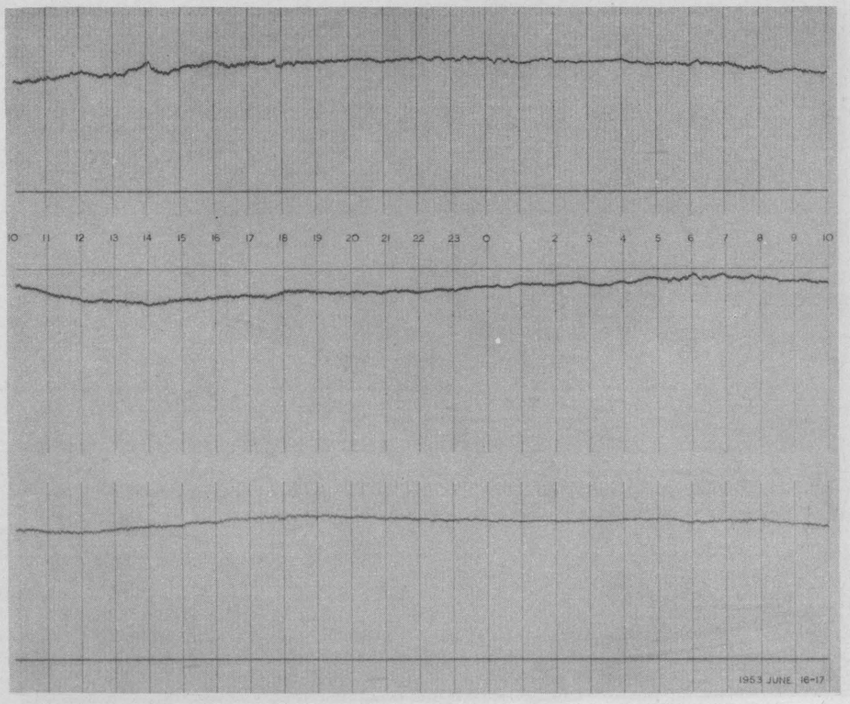
1953 JUNE 15-16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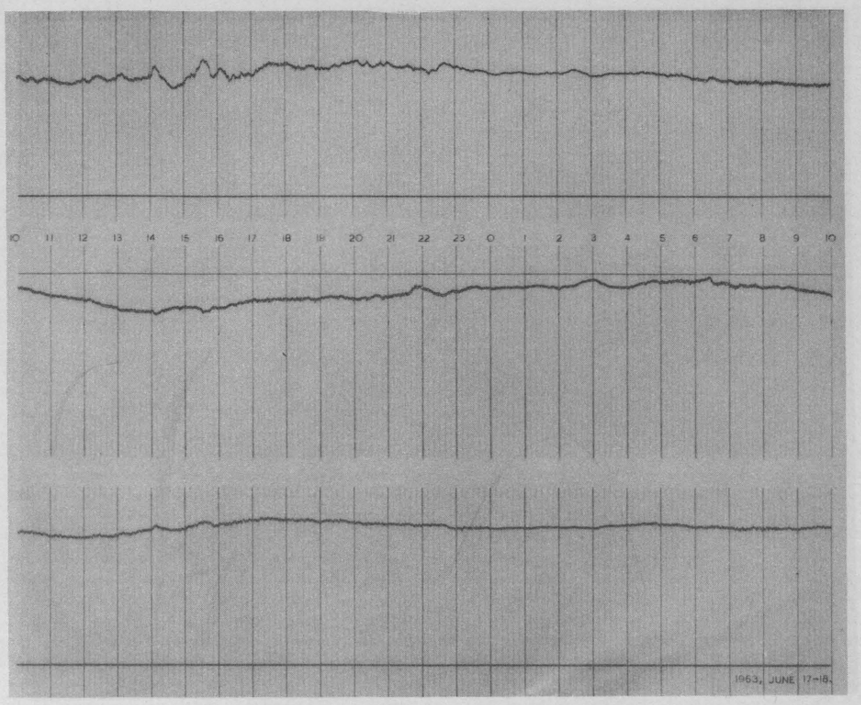
1953 JUNE 16-17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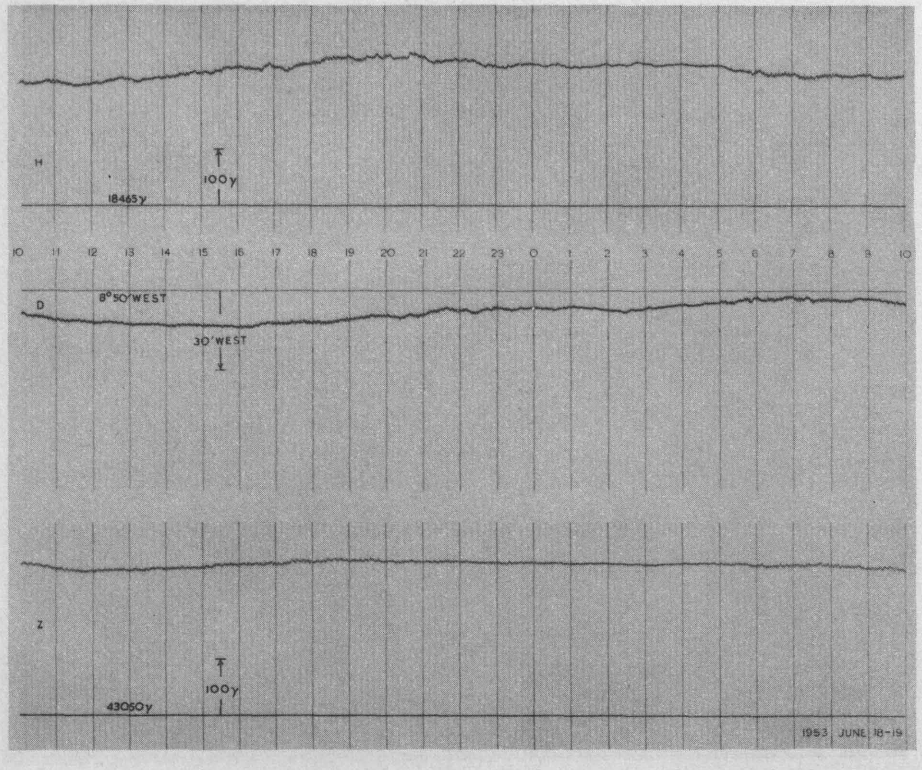
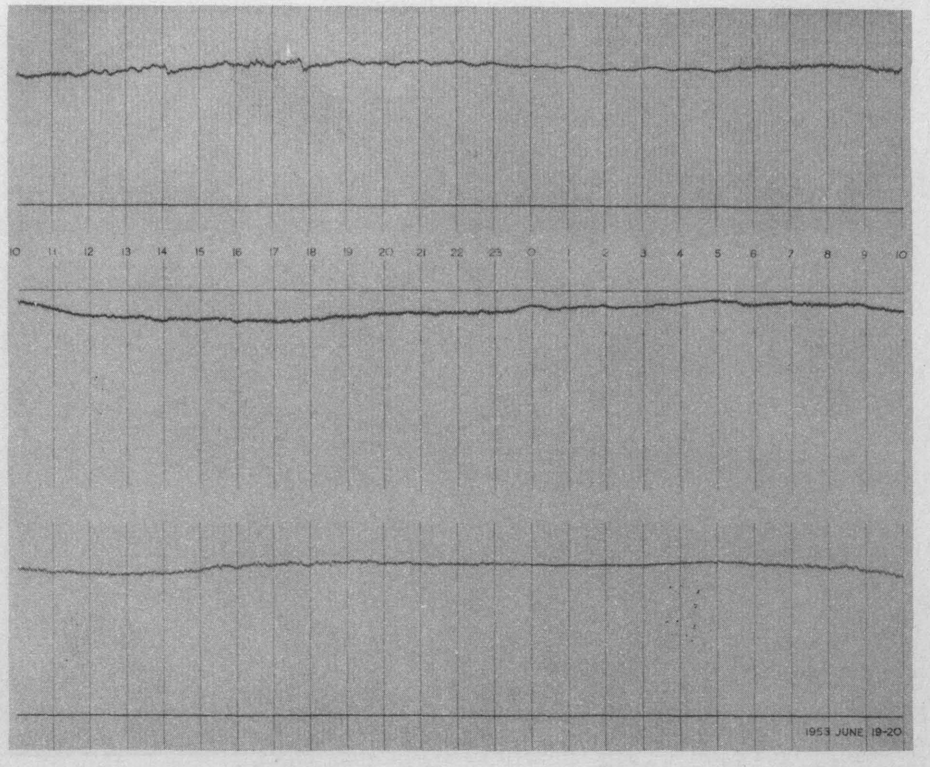
1953 JUNE 17-18


H
18465γ
100γ
D
8°50' WEST
30' WEST
Z
43050γ
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
1953 JUNE 18-19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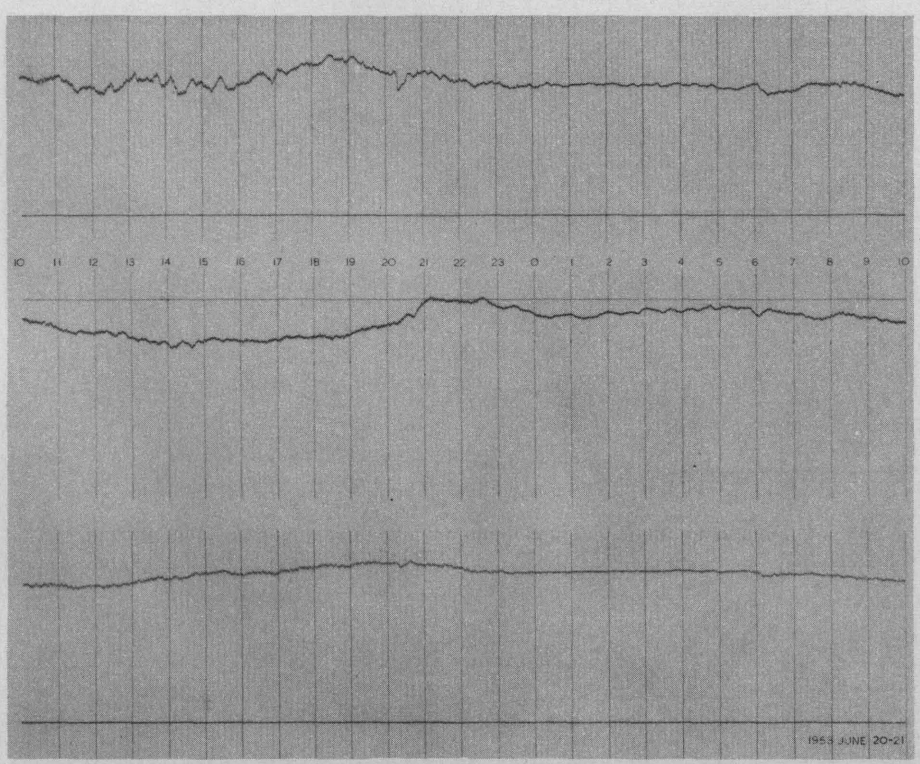
1953 JUNE 19-20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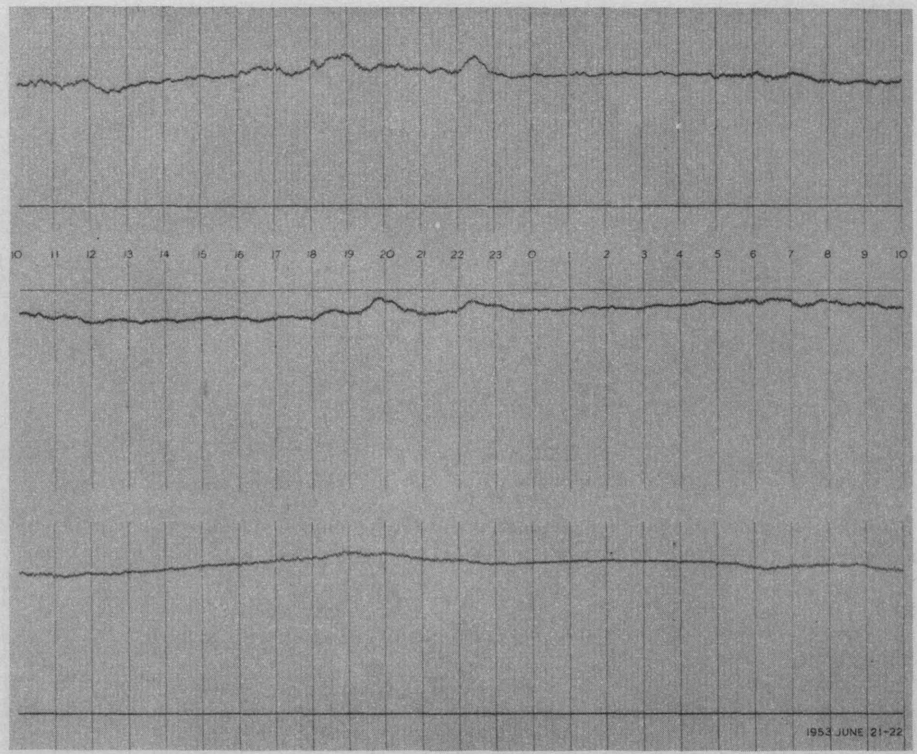
1953 JUNE 20-21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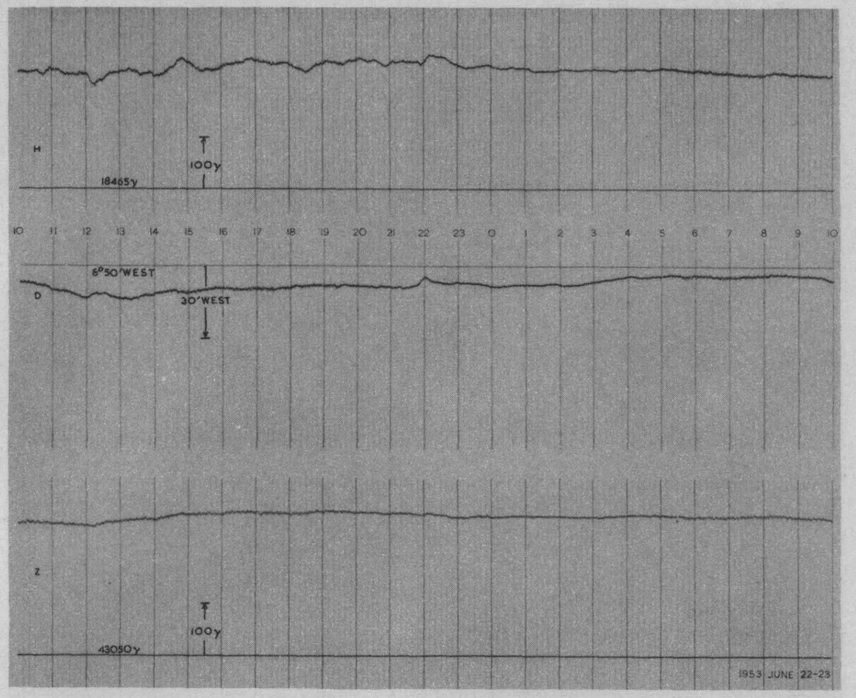
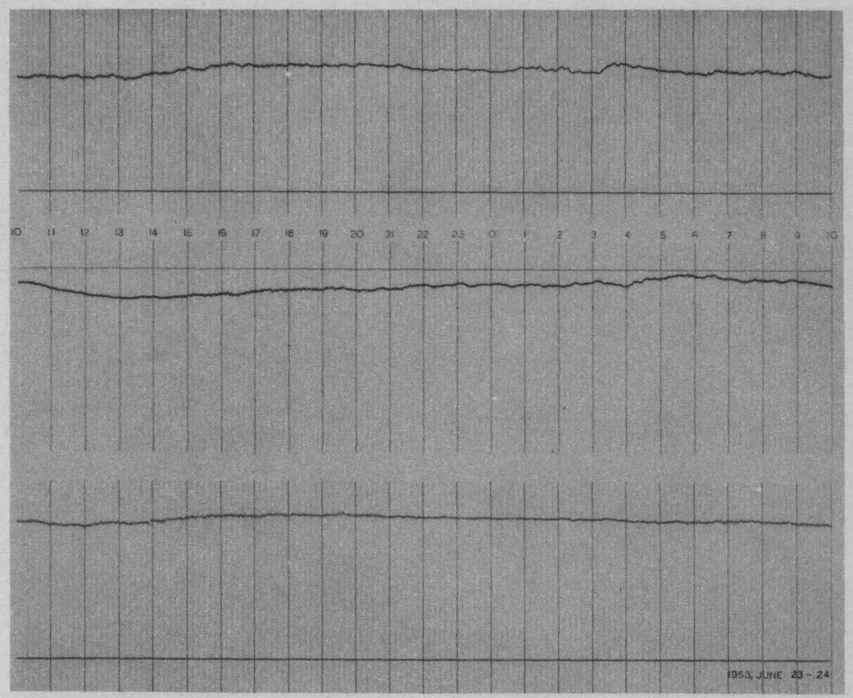
1953 JUNE 21-22


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
6°50'WEST
D
30'WEST
Z
100γ
43050γ
1953 JUNE 22-23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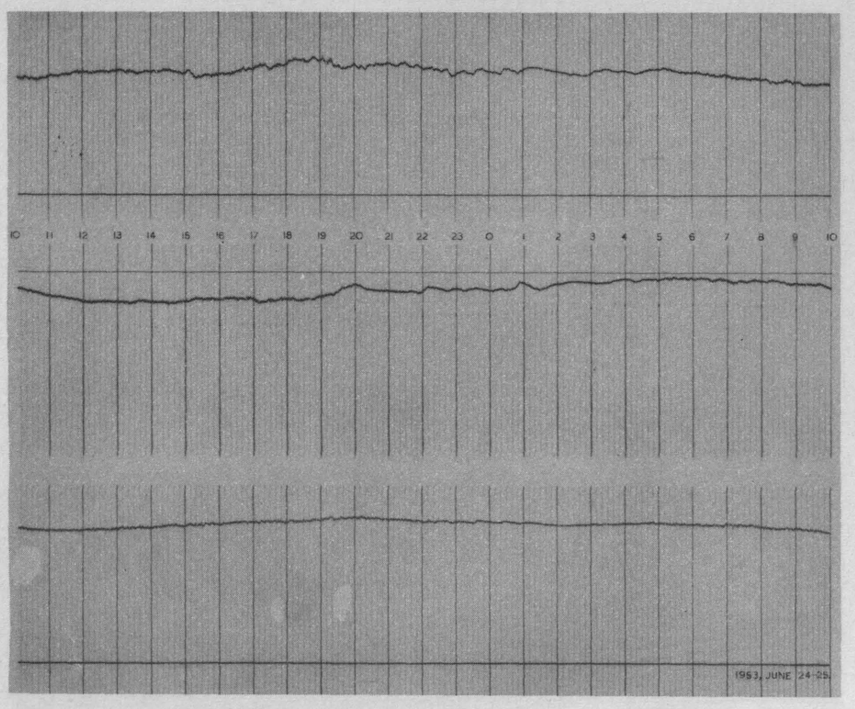
1953 JUNE 23-24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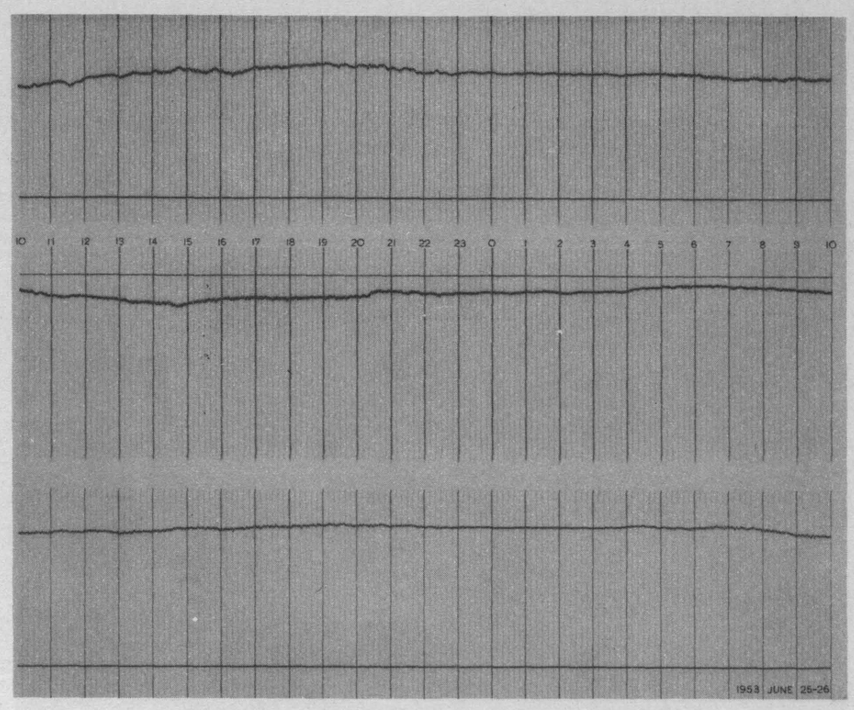
1953 JUNE 24-25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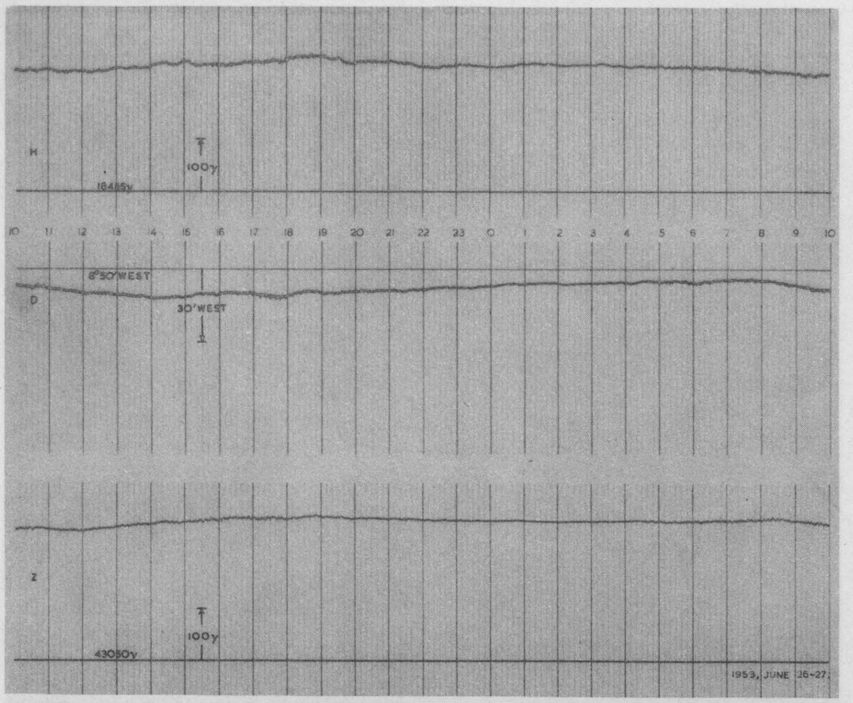
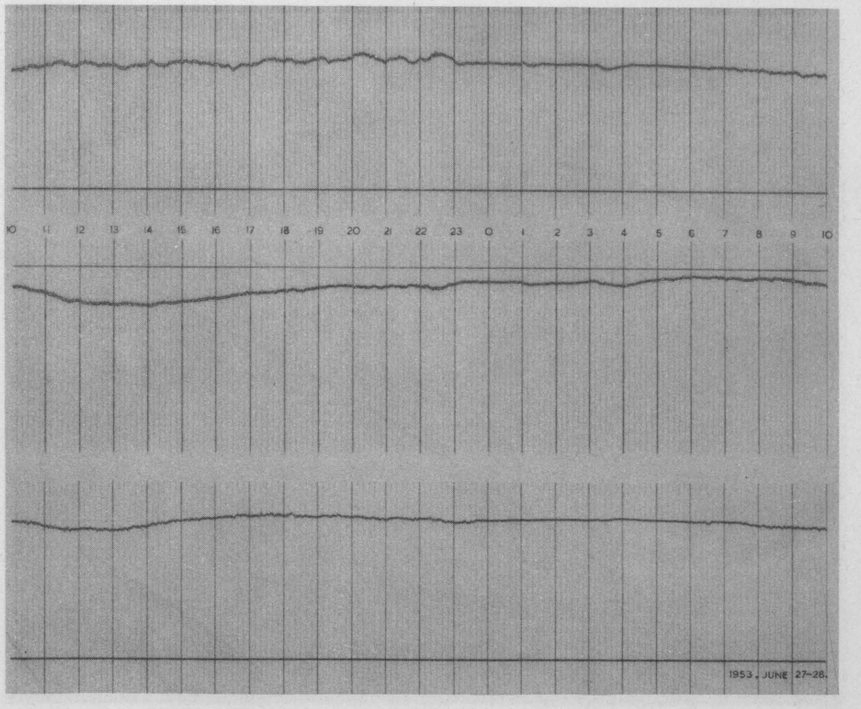
1953 JUNE 25-26


H
10485γ
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°50' WEST
D
30' WEST
Z
43030γ
100γ
1953, JUNE 26-27.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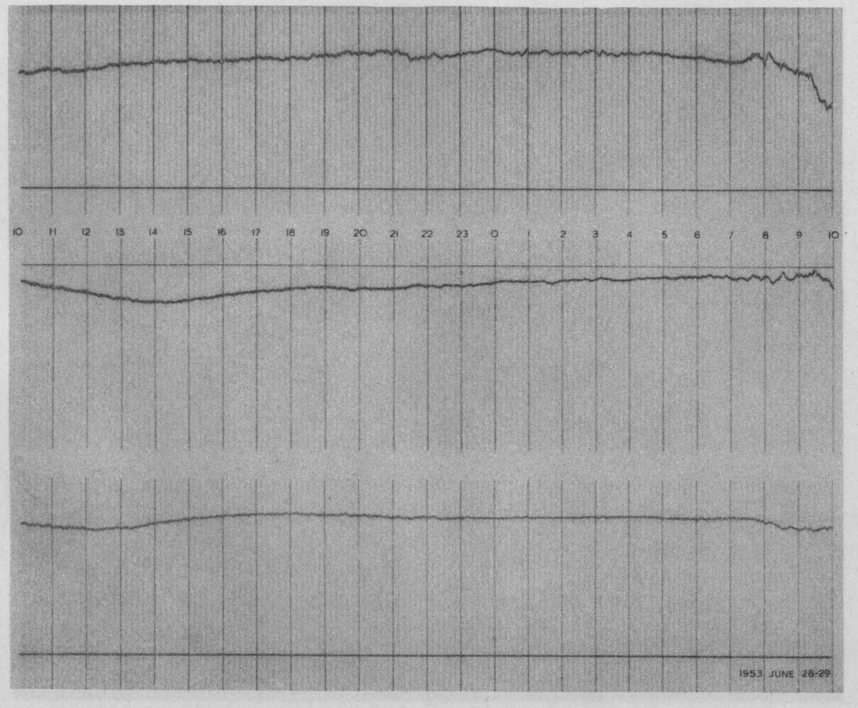
1953, JUNE 27-28.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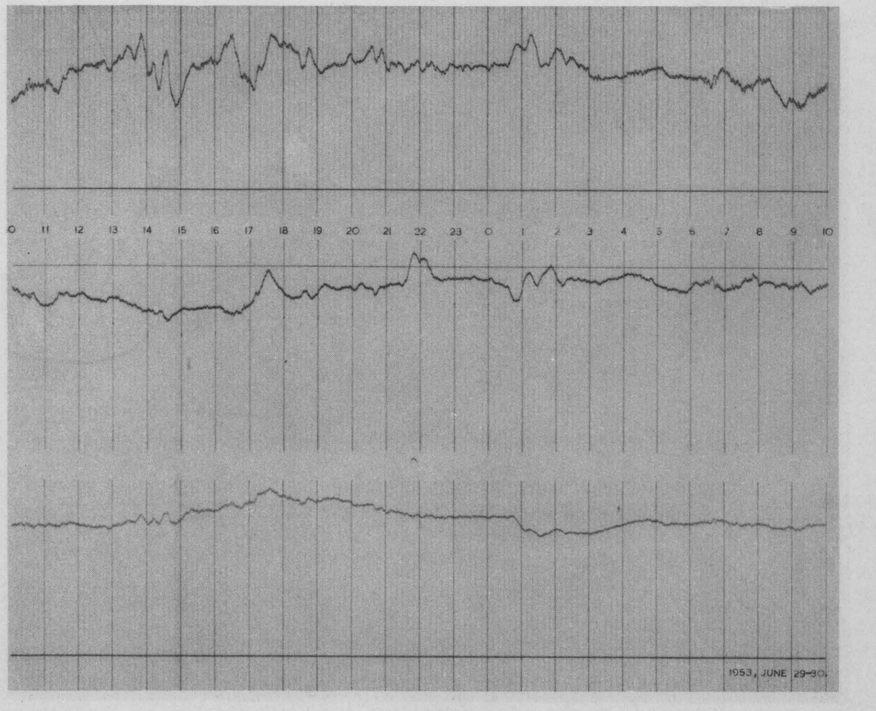
1953 JUNE 28-29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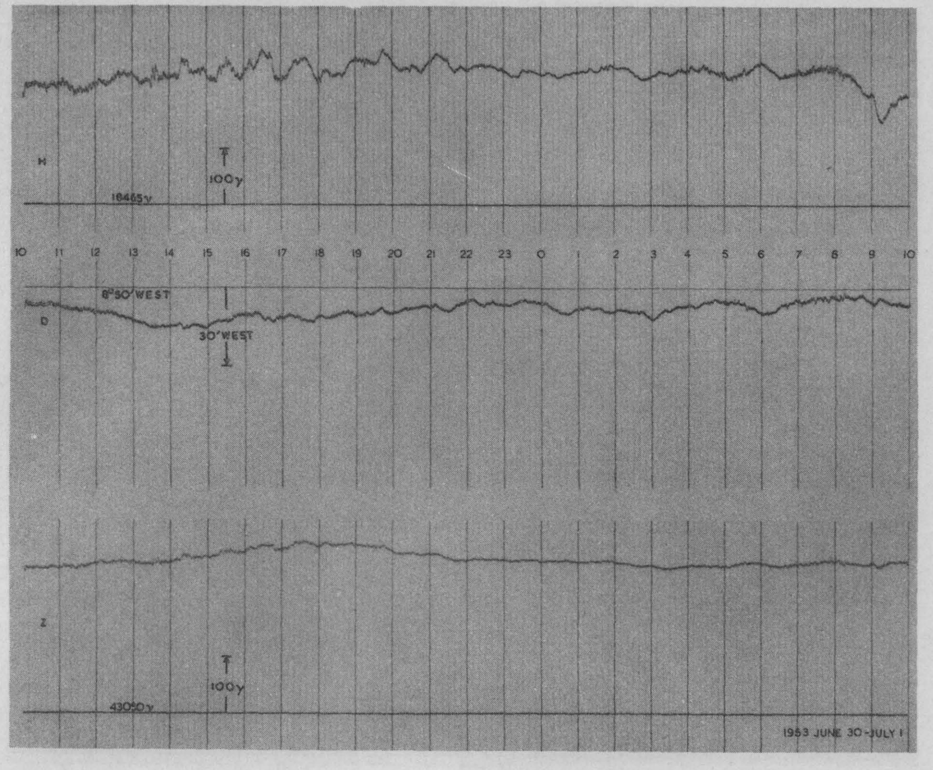
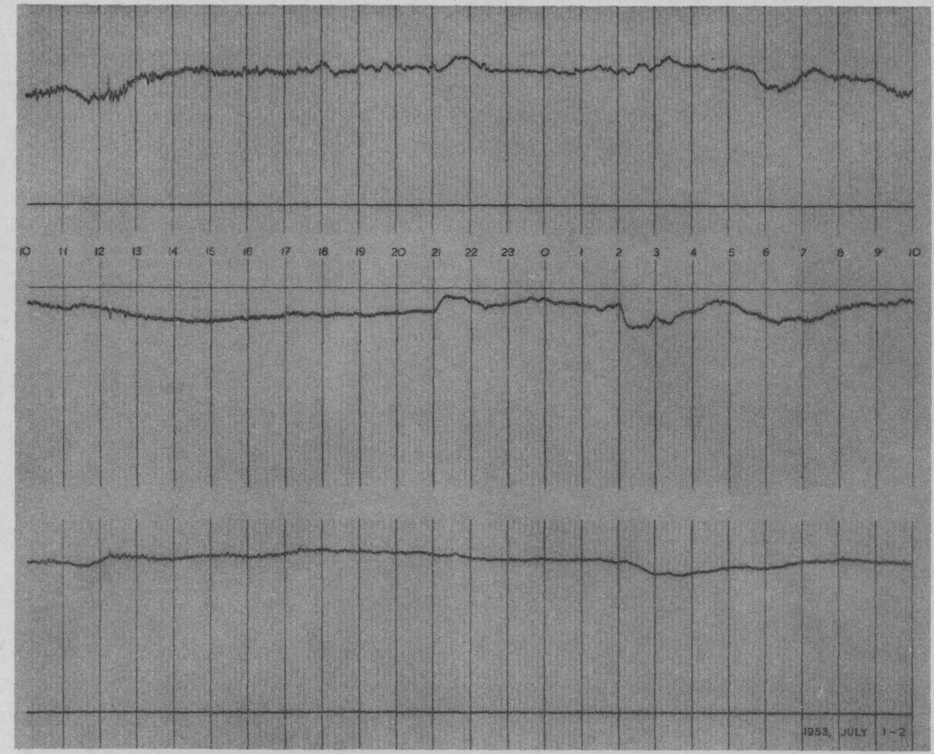
1953, JUNE 29-30.


H
18465γ
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°50' WEST
D
30' WEST
Z
100γ
43050γ
1953 JUNE 30-JULY 1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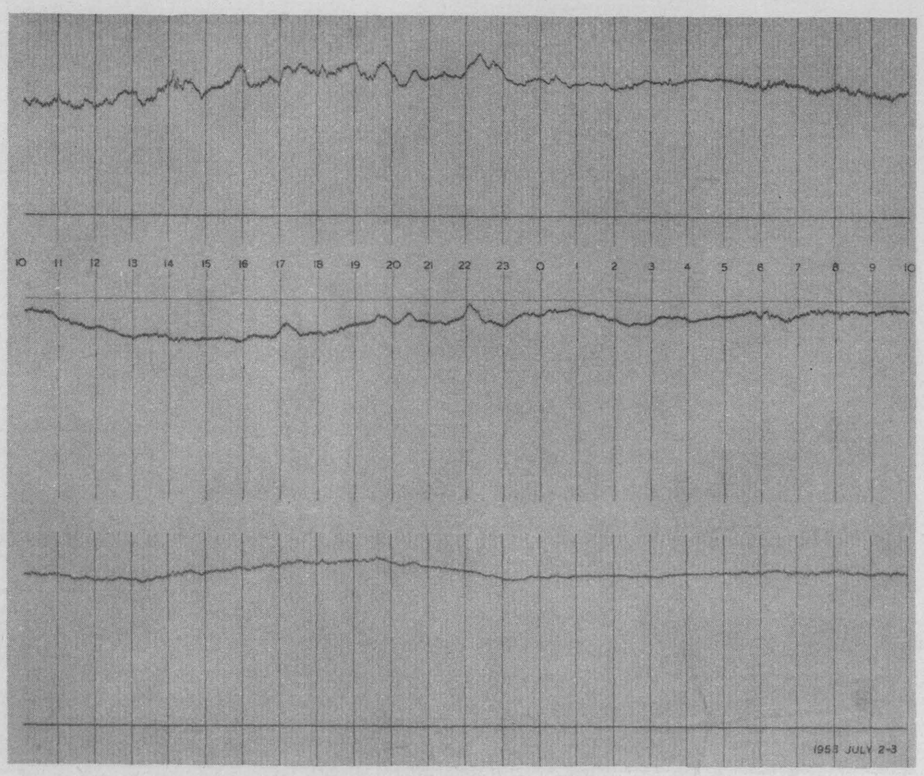
1953, JULY 1-2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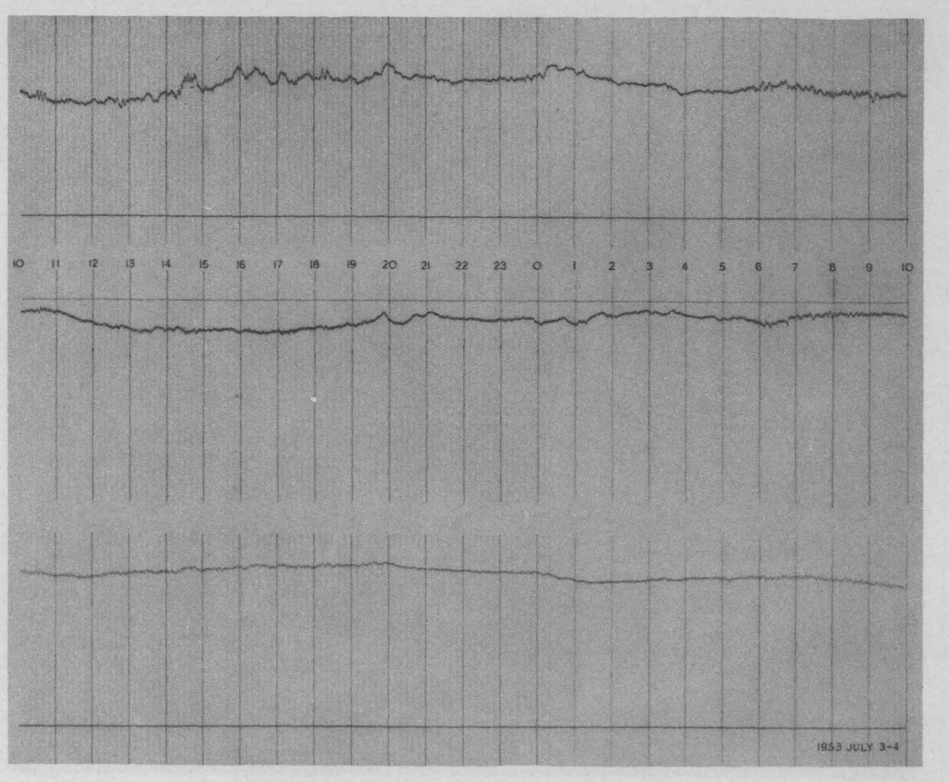
1953 JULY 2-3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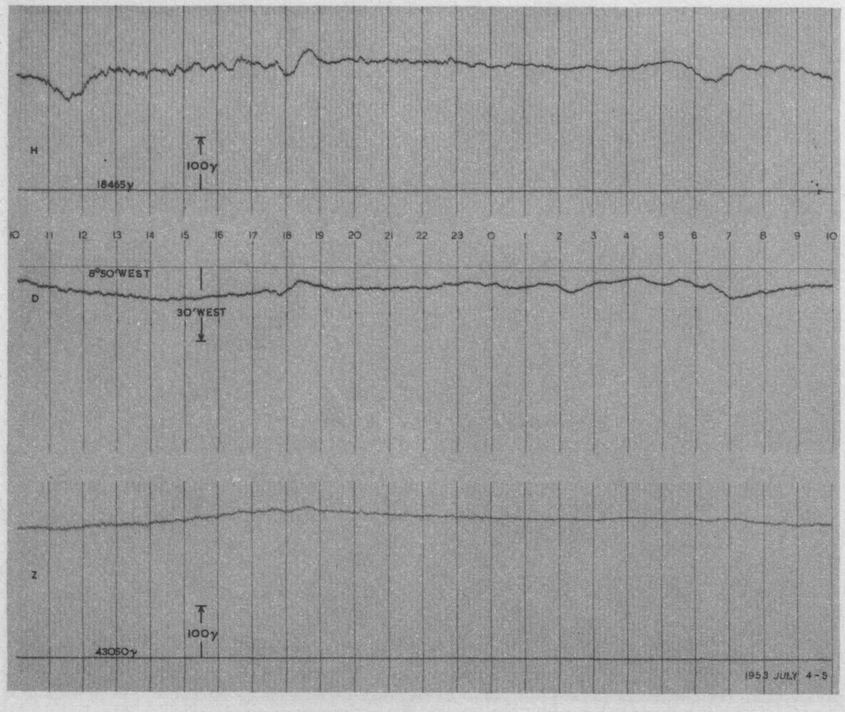
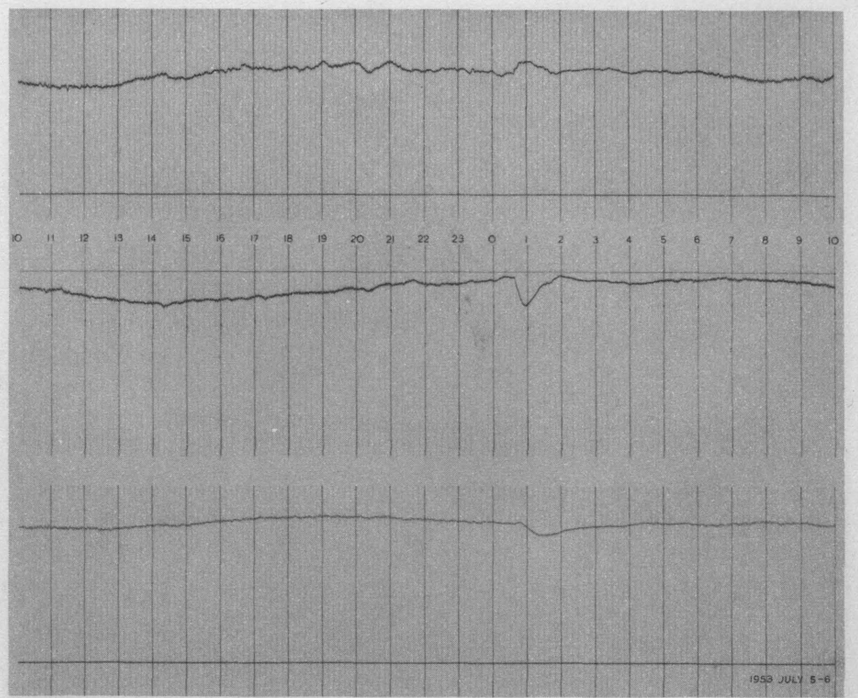
1953 JULY 3-4


H
18465γ
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°50'WEST
D
30'WEST
Z
43060γ
100γ
1953 JULY 4-5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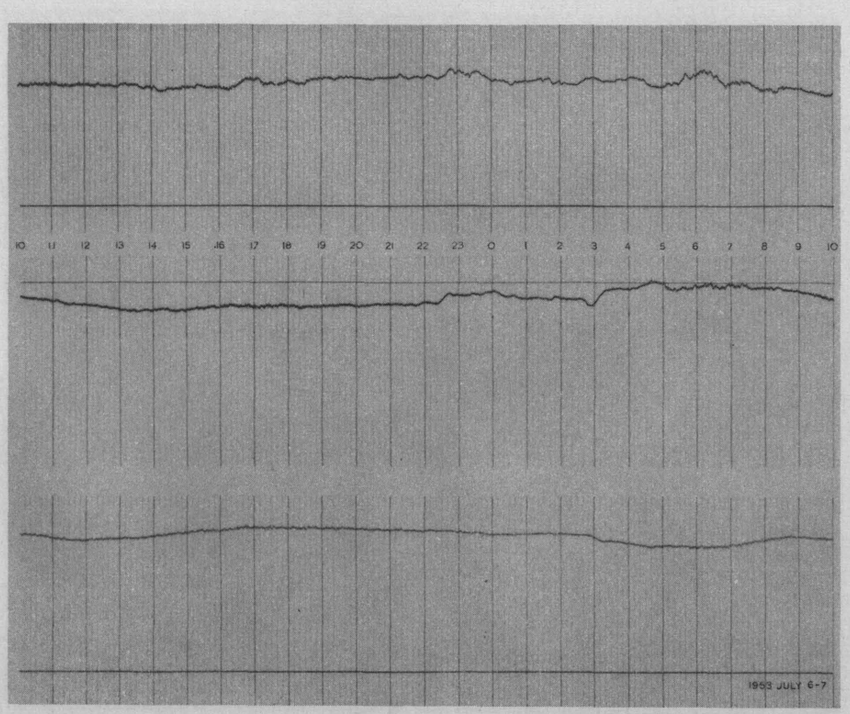
1953 JULY 5-6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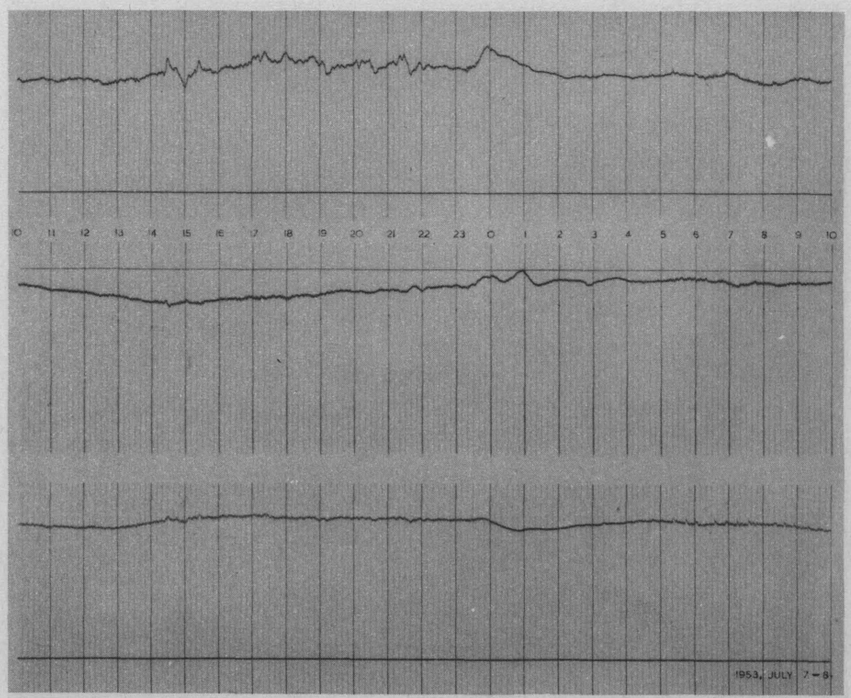
1953 JULY 6-7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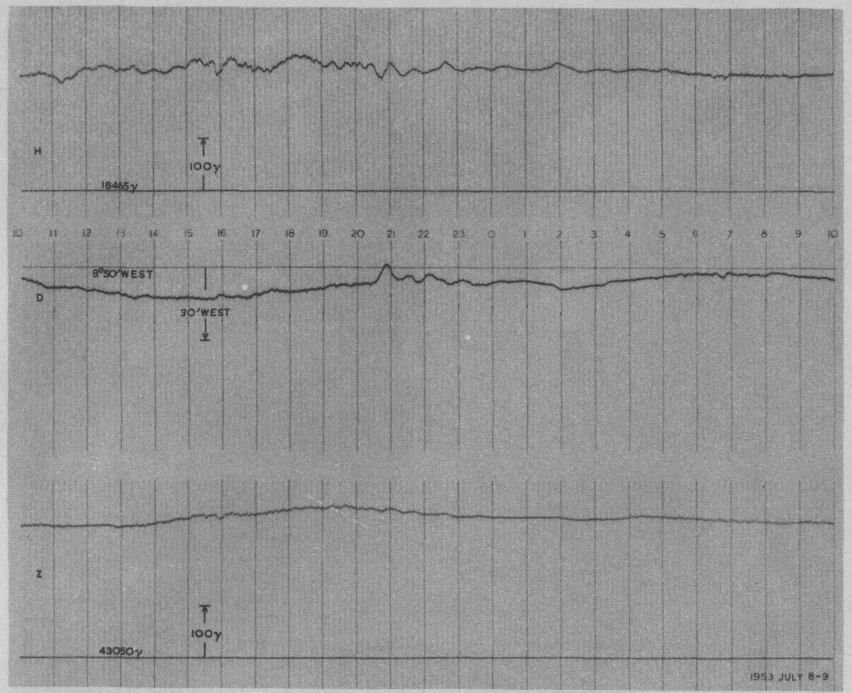
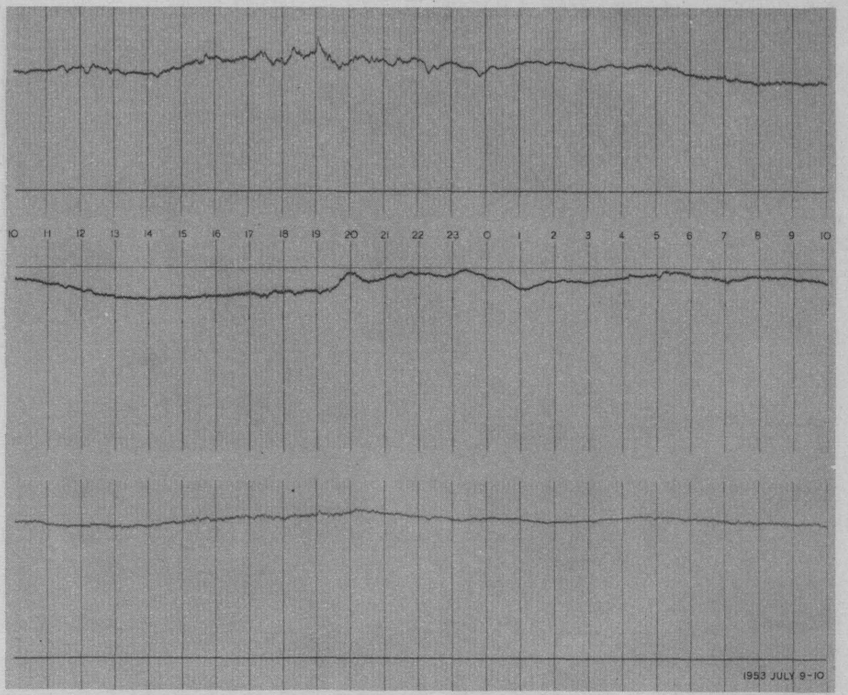
1953 JULY 7-8


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
8°50' WEST
D
30' WEST
Z
100γ
43050γ
1953 JULY 8-9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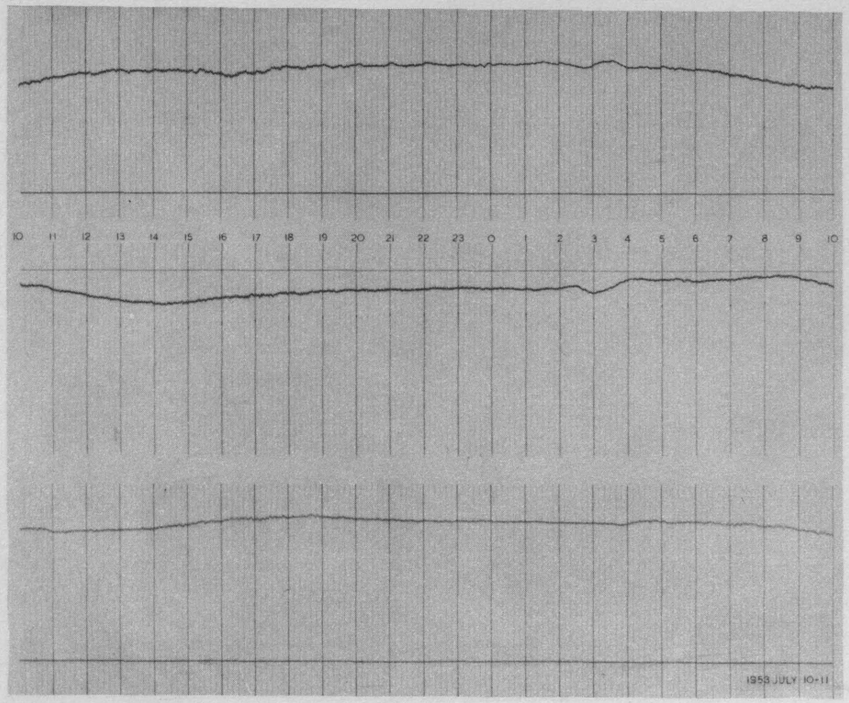
1953 JULY 9-10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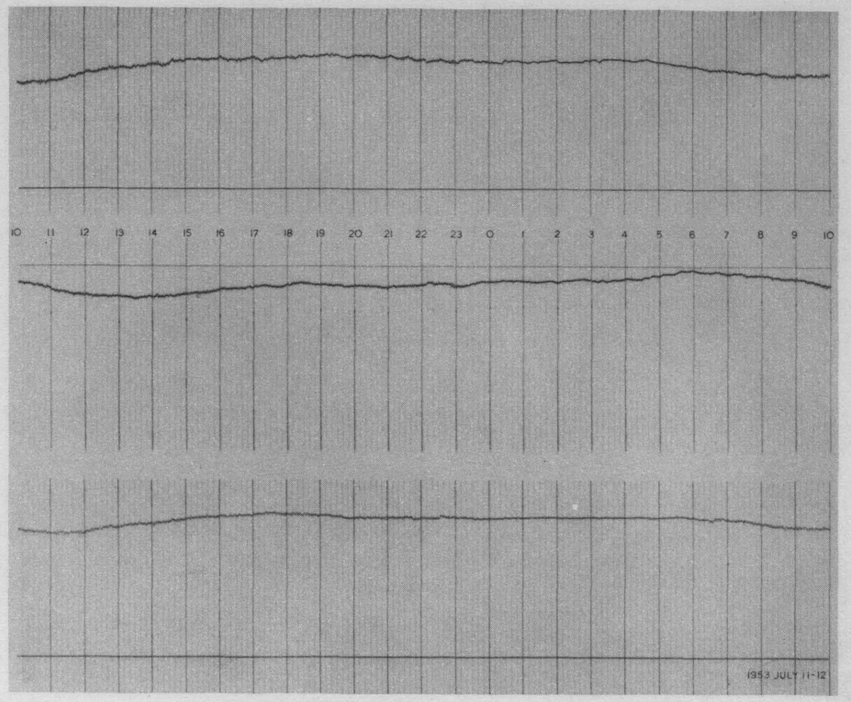
1953 JULY 10-11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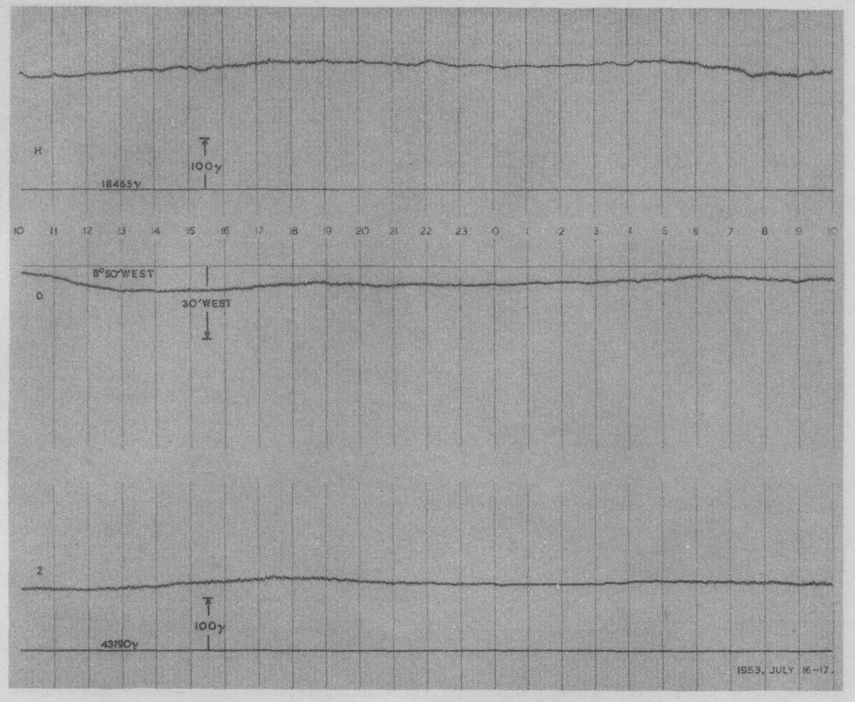
1953 JULY 11-12

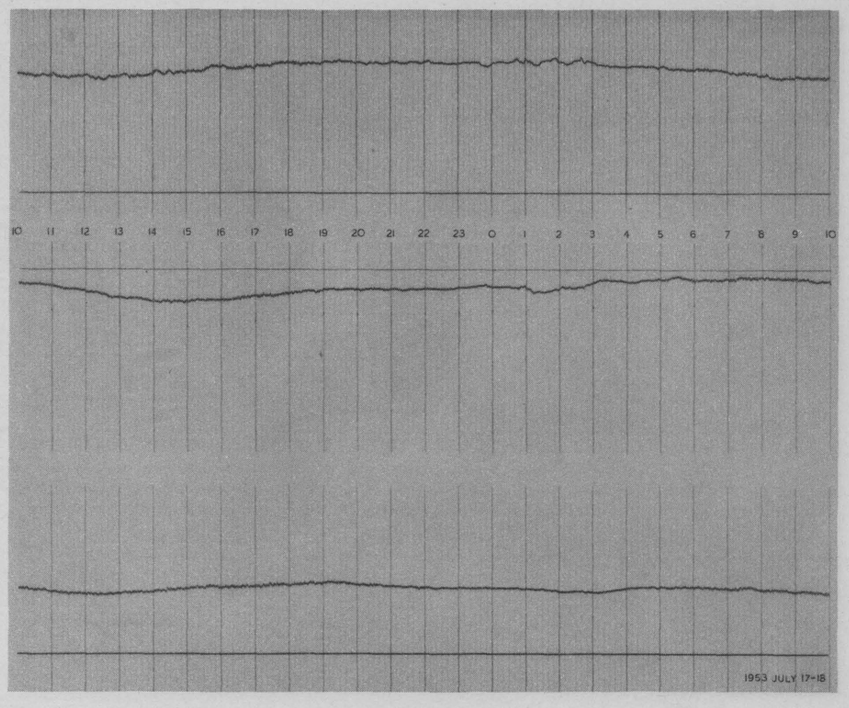
H
18465γ
100γ
D
8°50'WEST
30'WEST
100γ
Z
43080γ
13-21 JULY 1961

43080γ
15-16 JULY 1961

43080γ
14-15 JULY 1961

43080γ
15-16 JULY 1961


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
8°50'WEST
D
30'WEST
Z
100γ
43190γ
1953, JULY 16-17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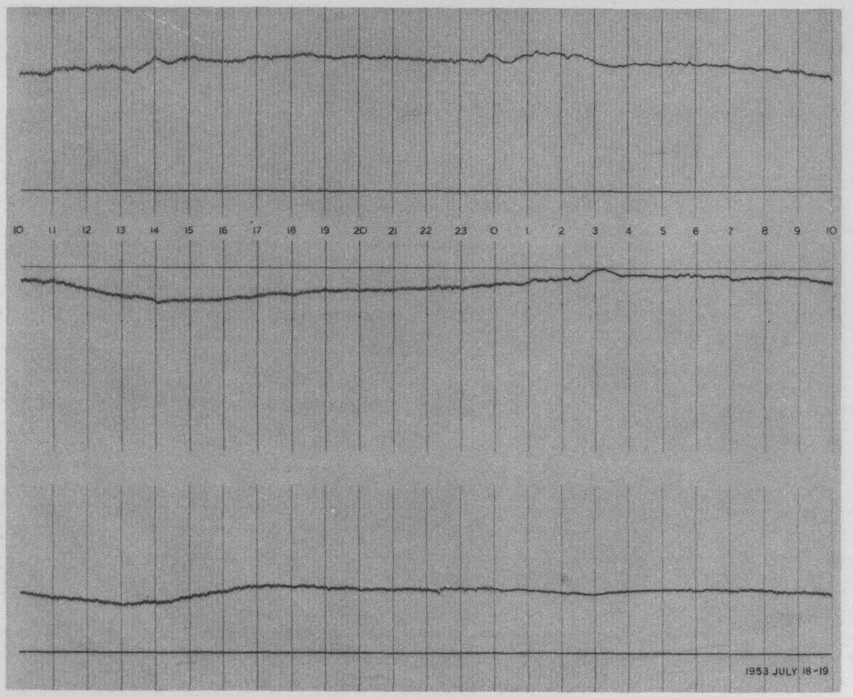
1953 JULY 17-18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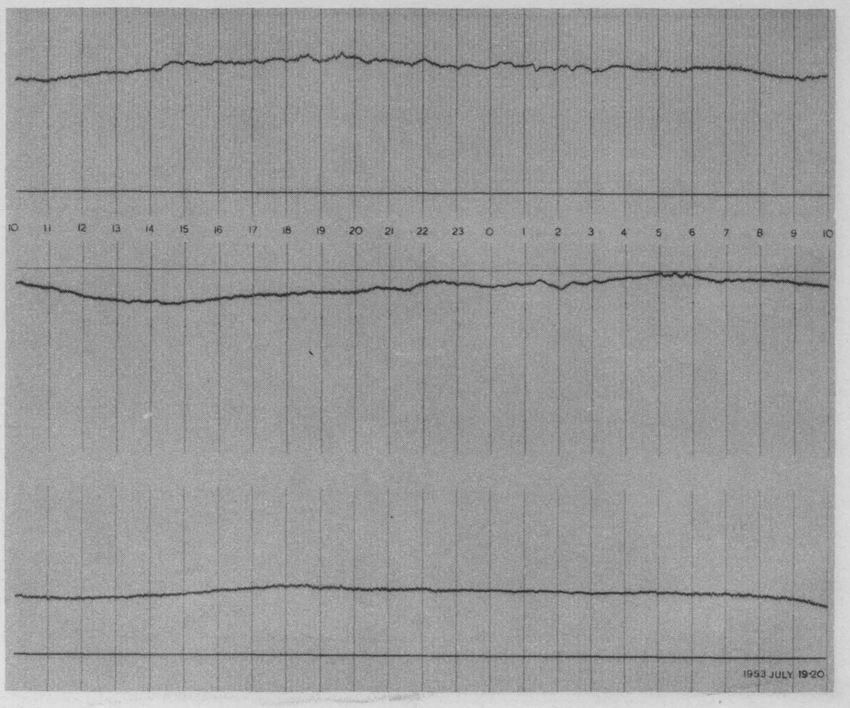
1953 JULY 18-19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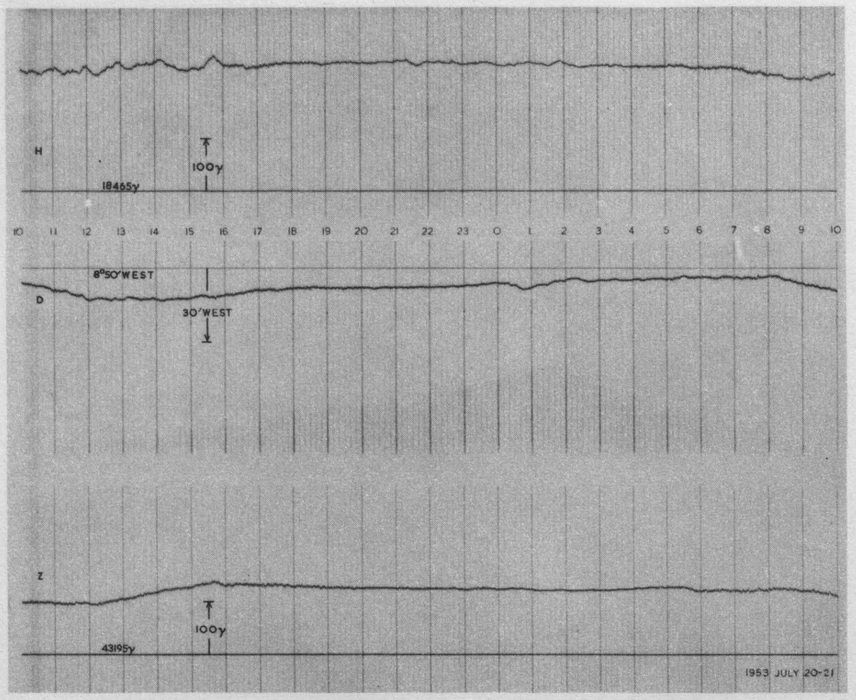
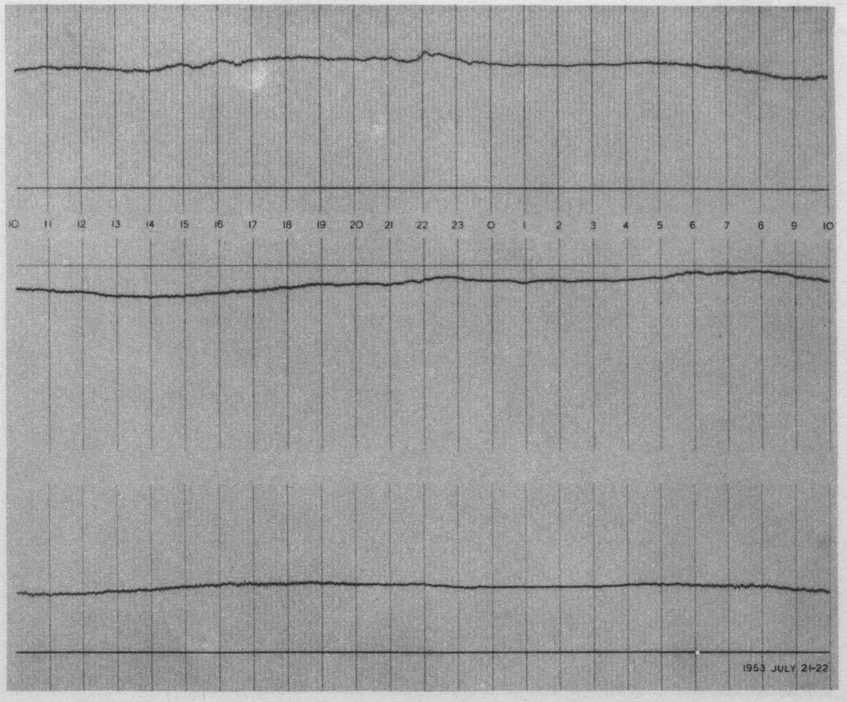
1953 JULY 19-20


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
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953 JULY 20-21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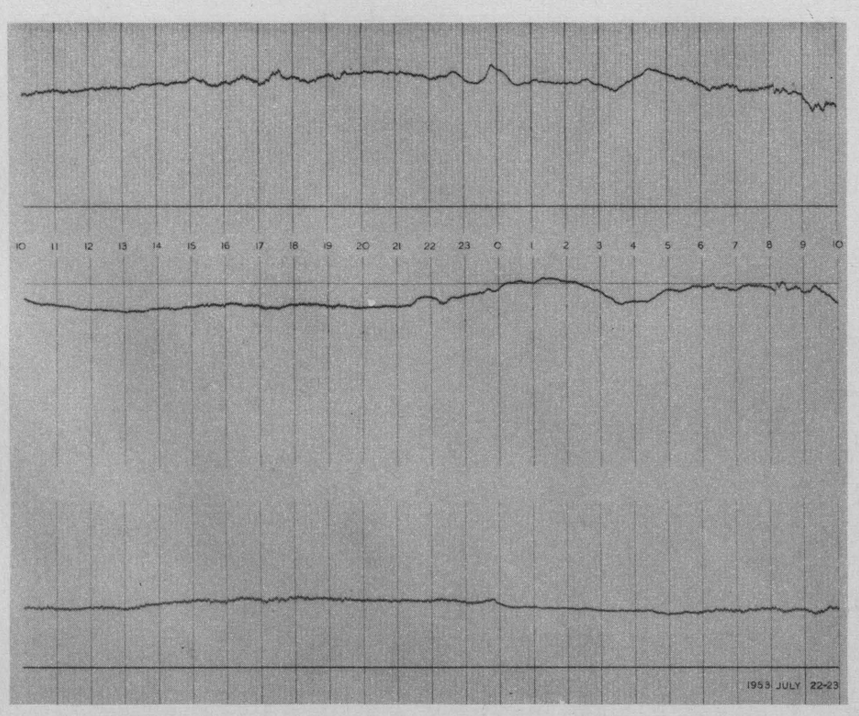
1953 JULY 21-22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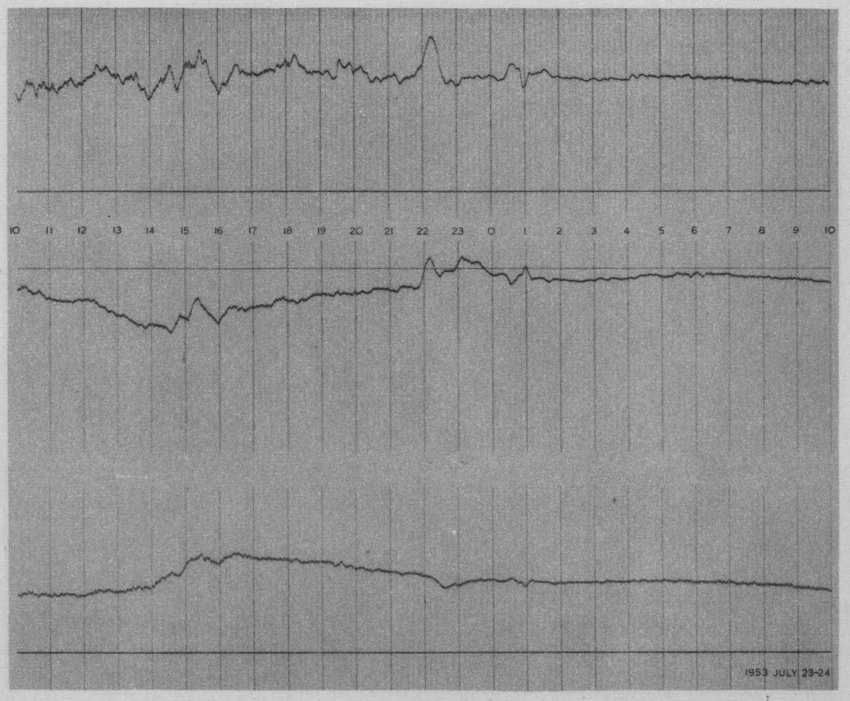
1953 JULY 22-23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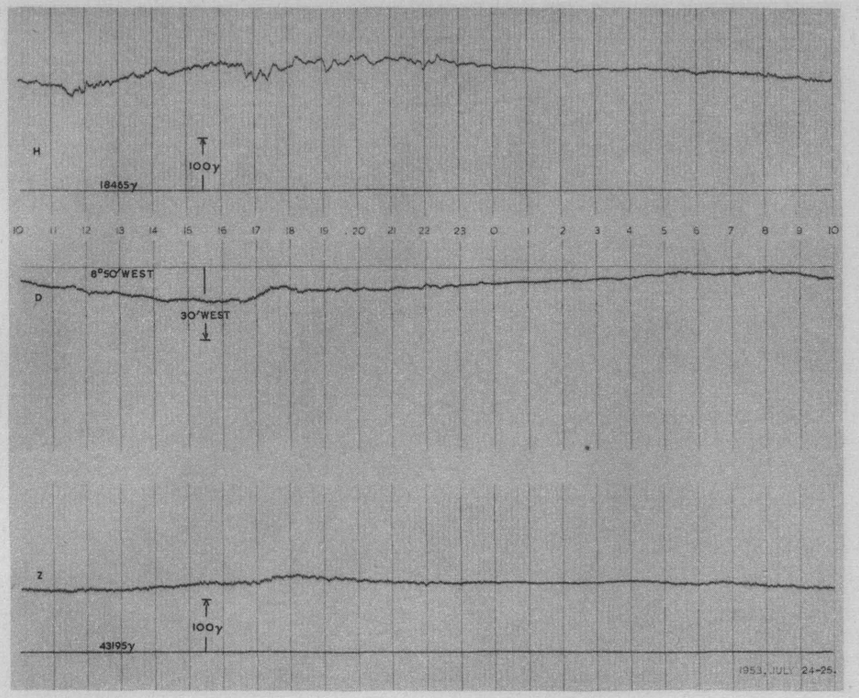
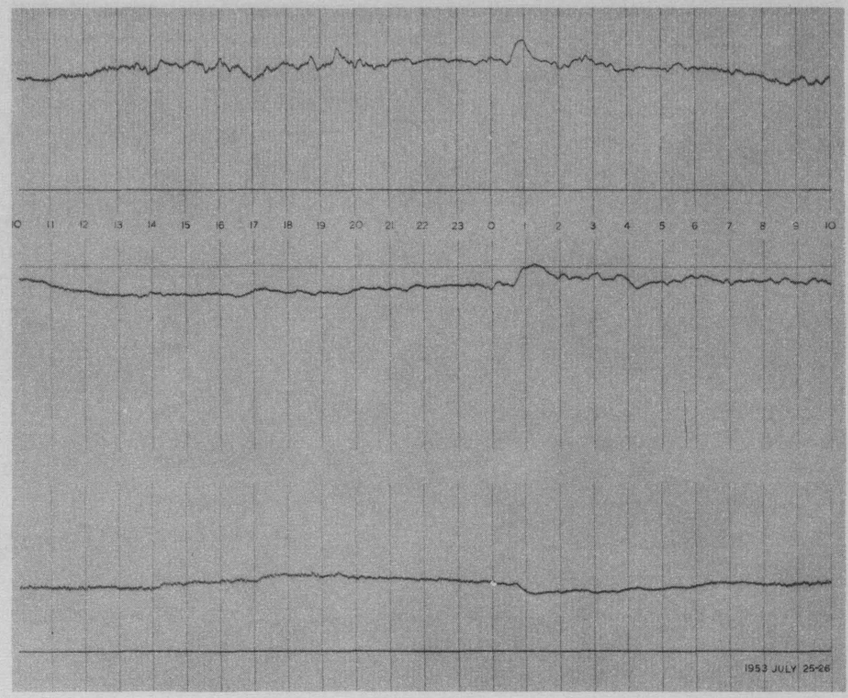
1953 JULY 23-24


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
8°50' WEST
D
30' WEST
Z
100γ
43195γ
1953 JULY 24-25.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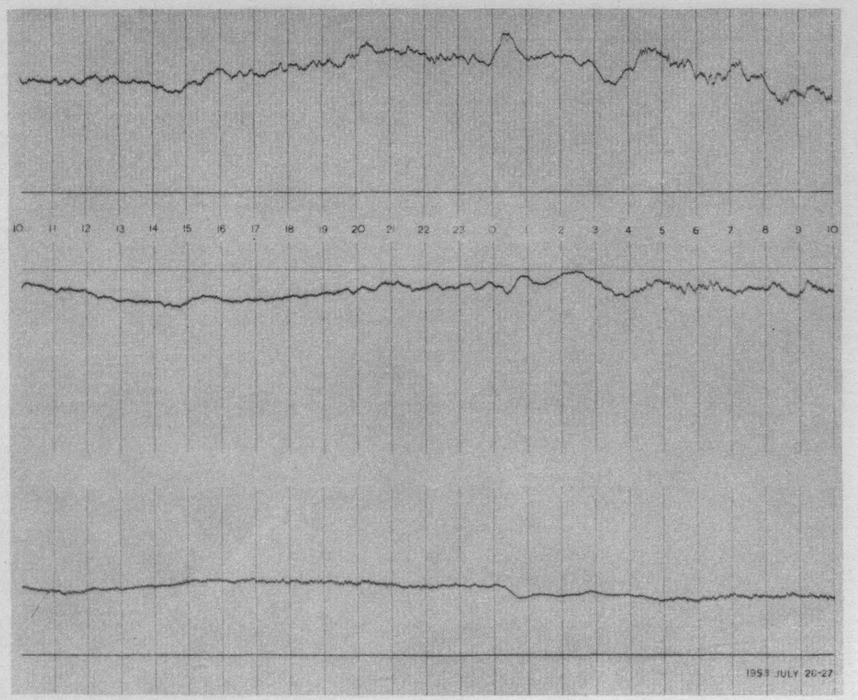
1953 JULY 25-26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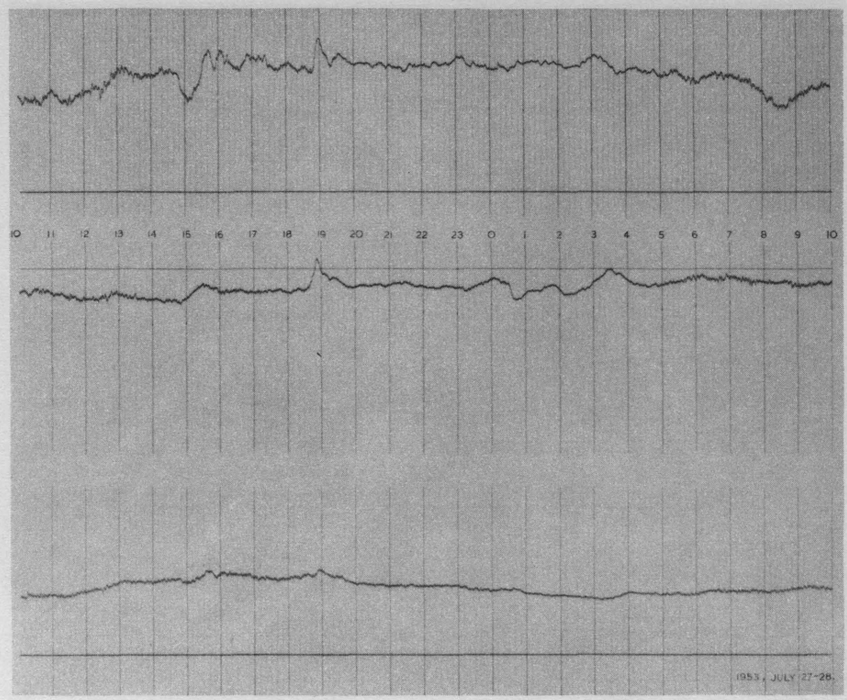
1953 JULY 26-27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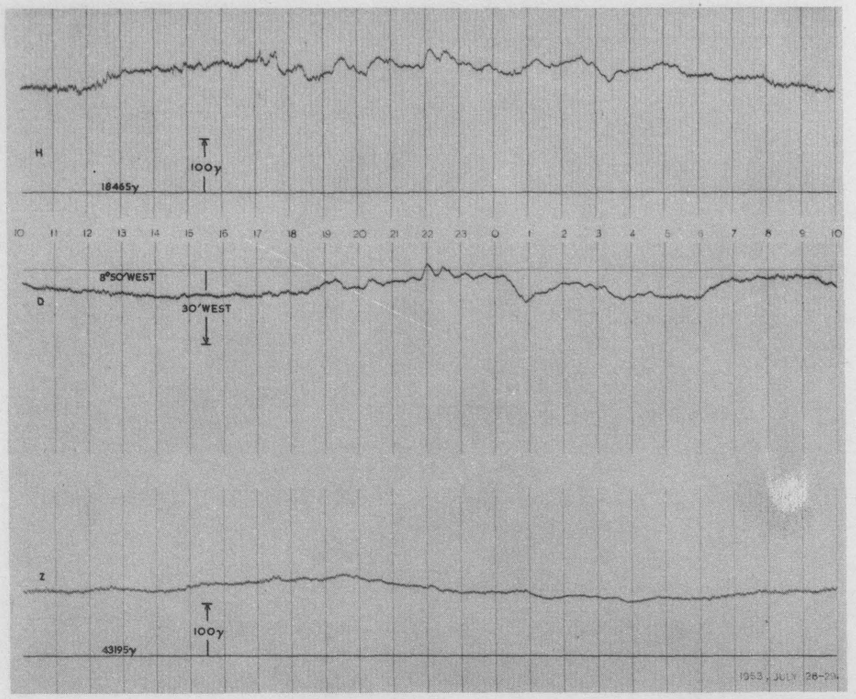
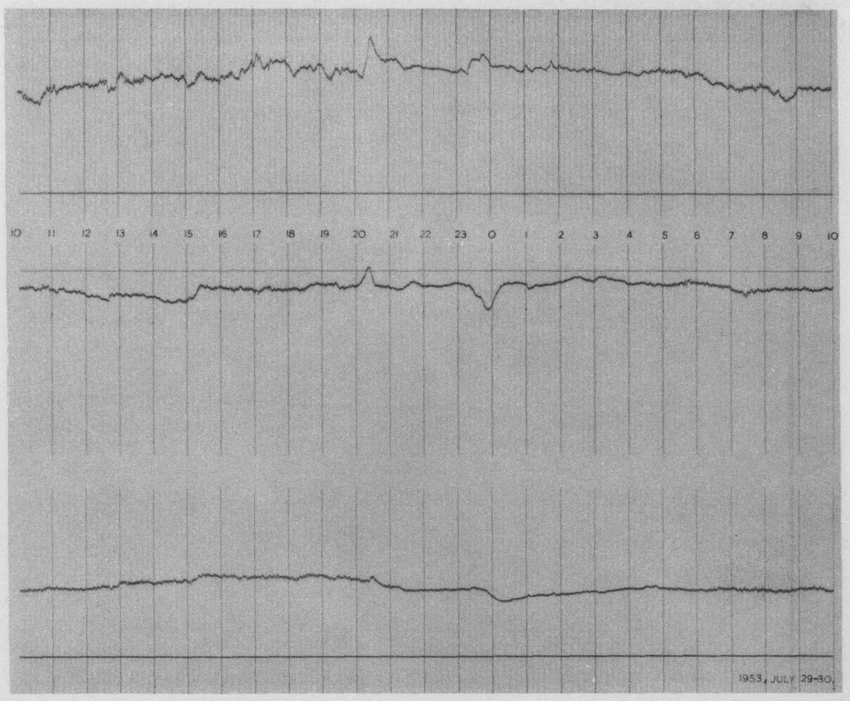
1953 JULY 27-28.


H
18465y
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°50'WEST
D
30'WEST
Z
100y
43195y
1953, JULY 28-29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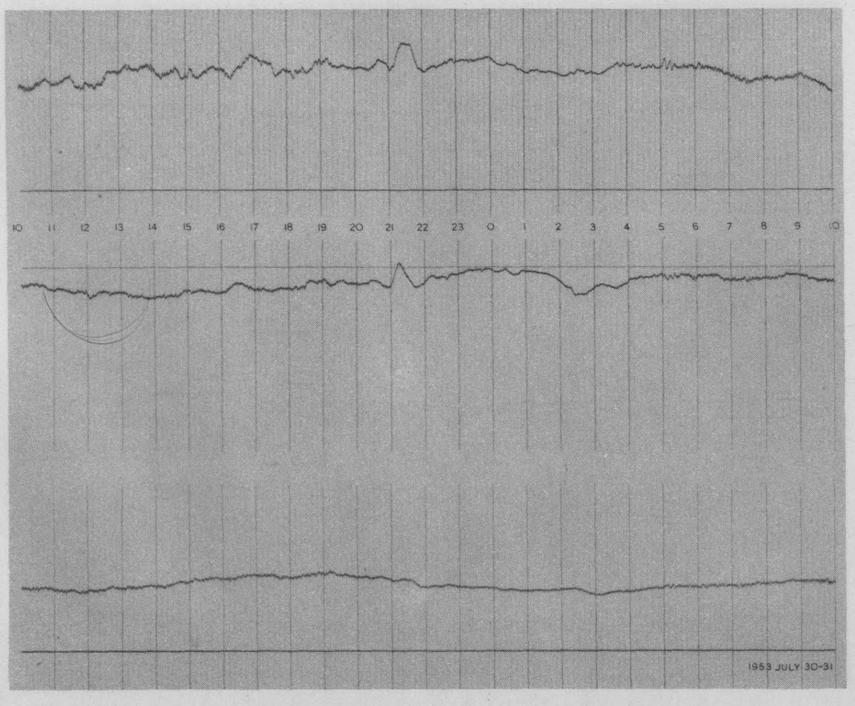
1953, JULY 29-30,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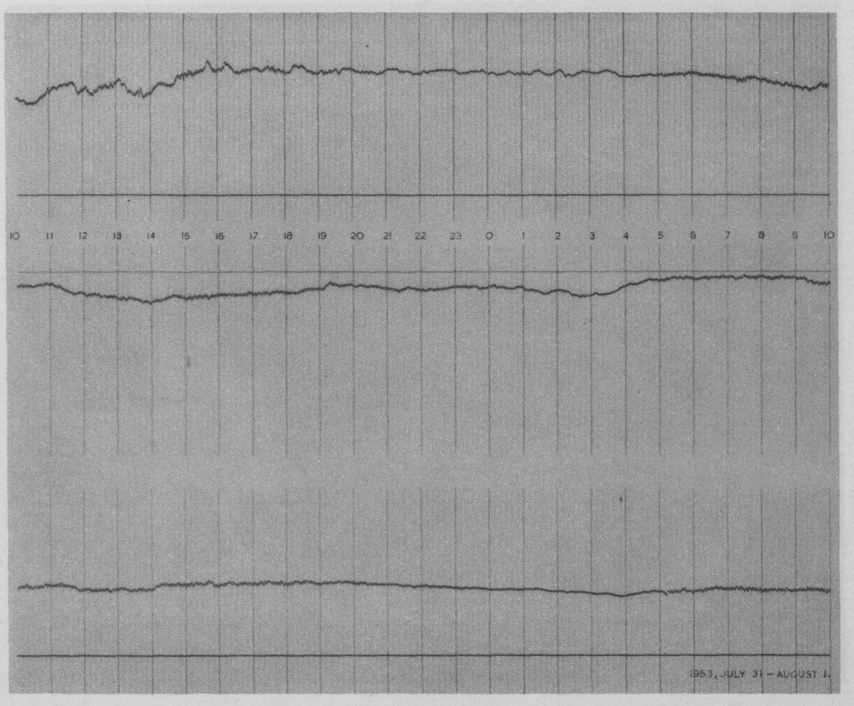
1953 JULY 30-31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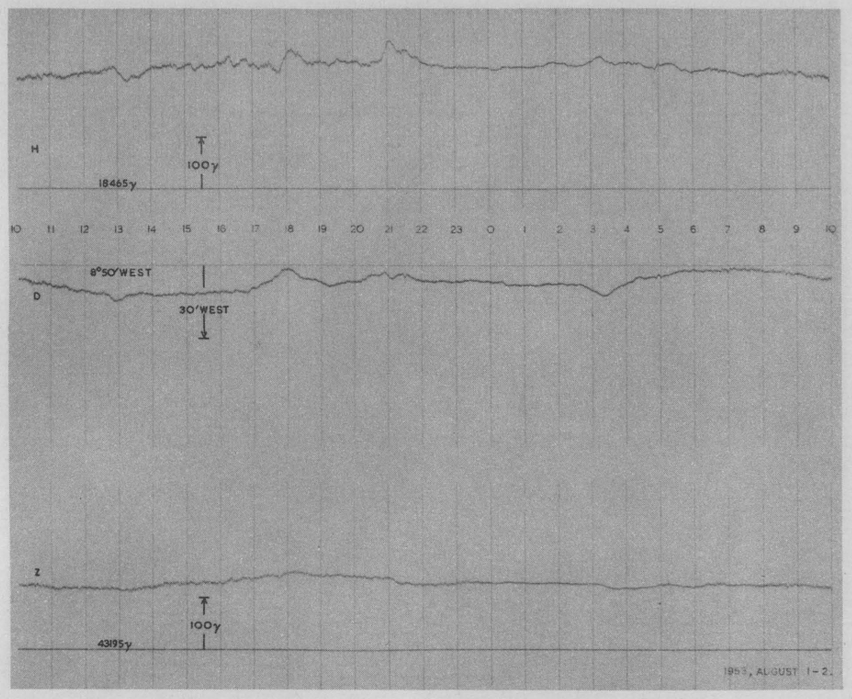
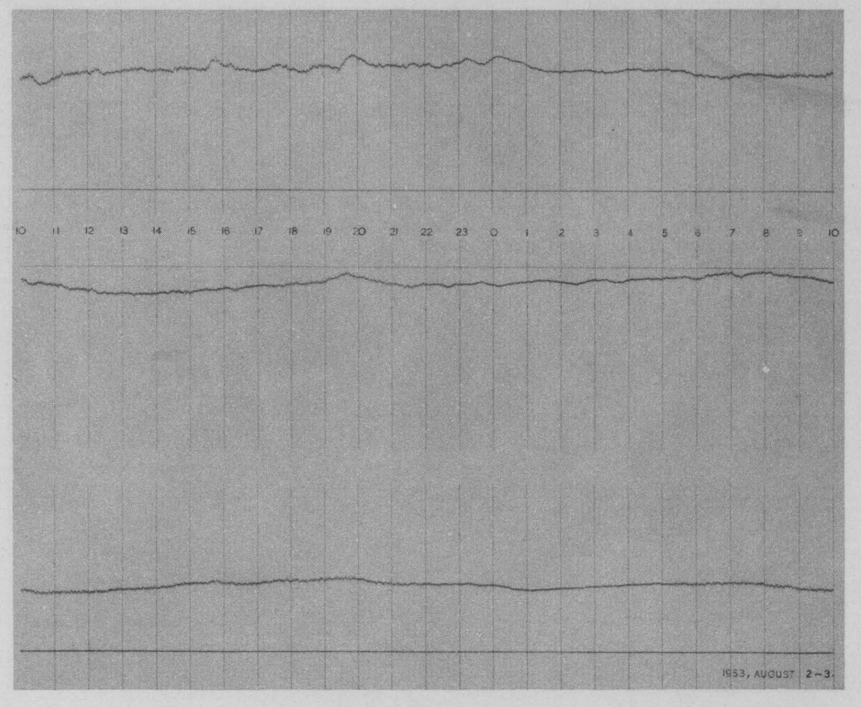
1953, JULY 31 - AUGUST 1,


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
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953, AUGUST 1-2.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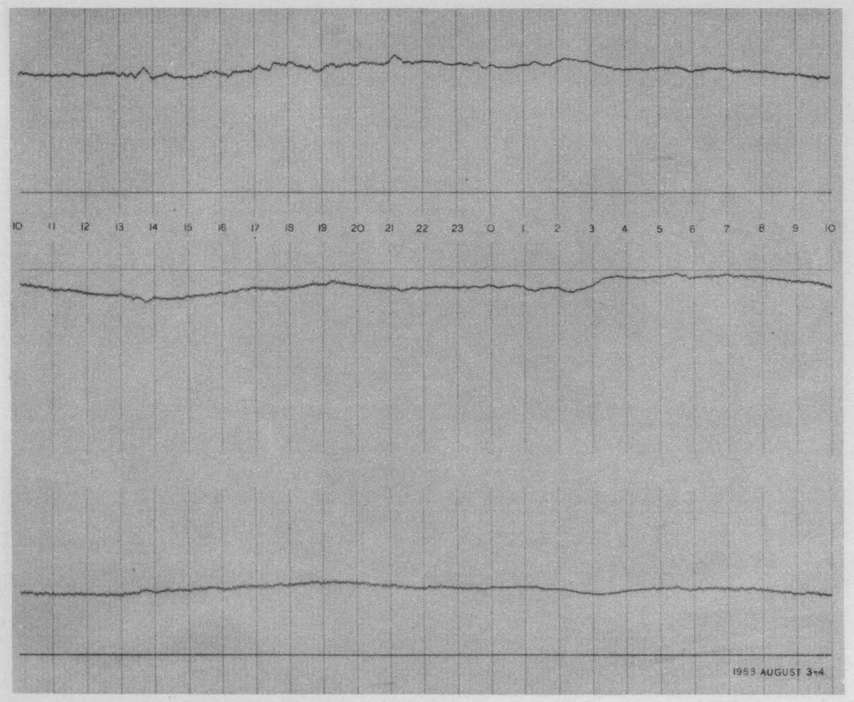
1953, AUGUST 2-3.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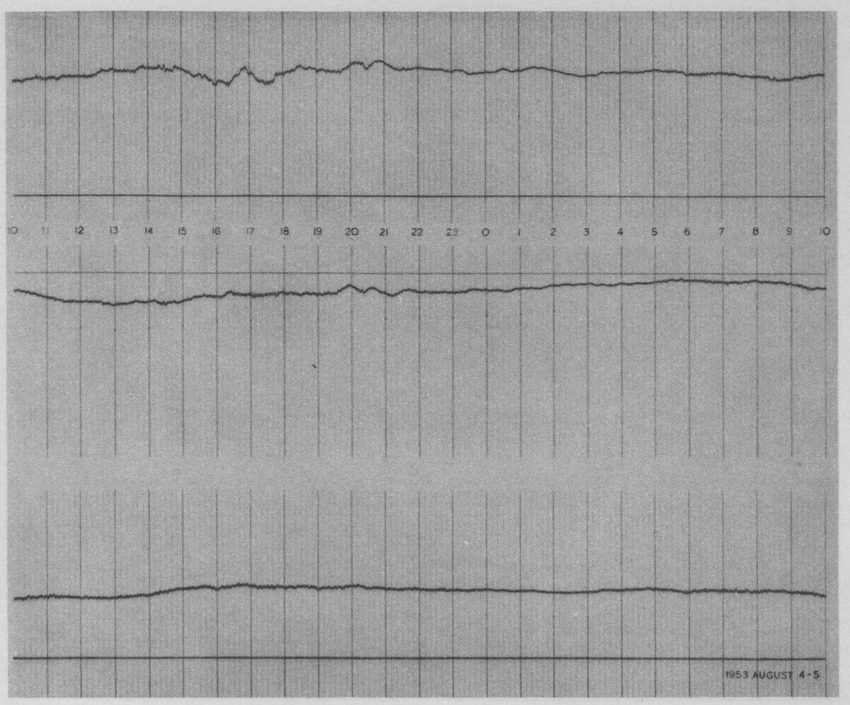
1953 AUGUST 3-4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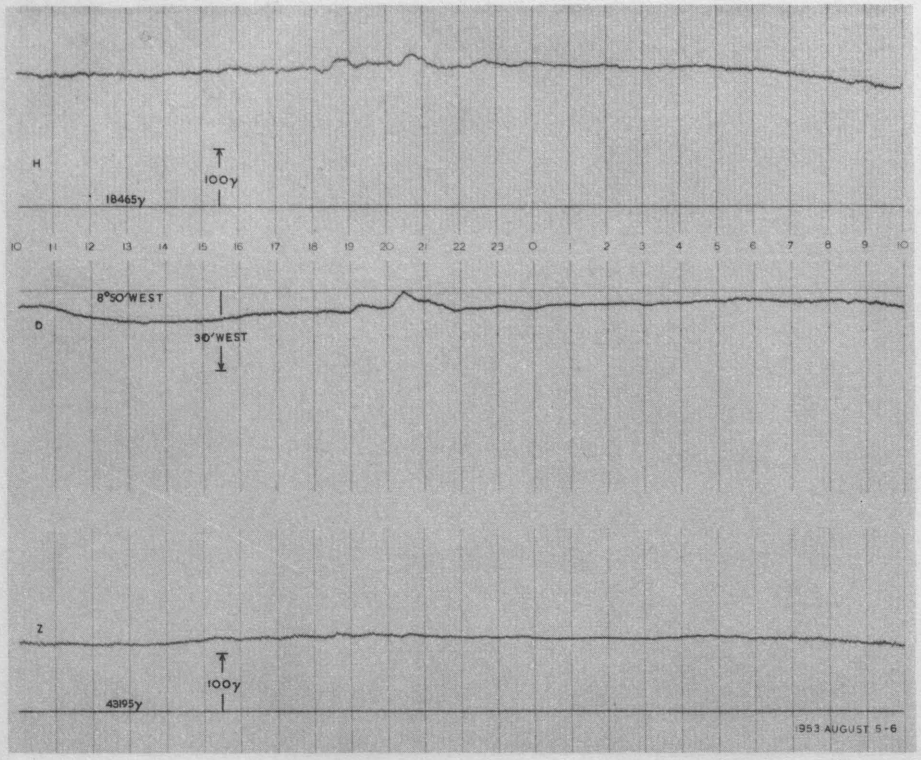
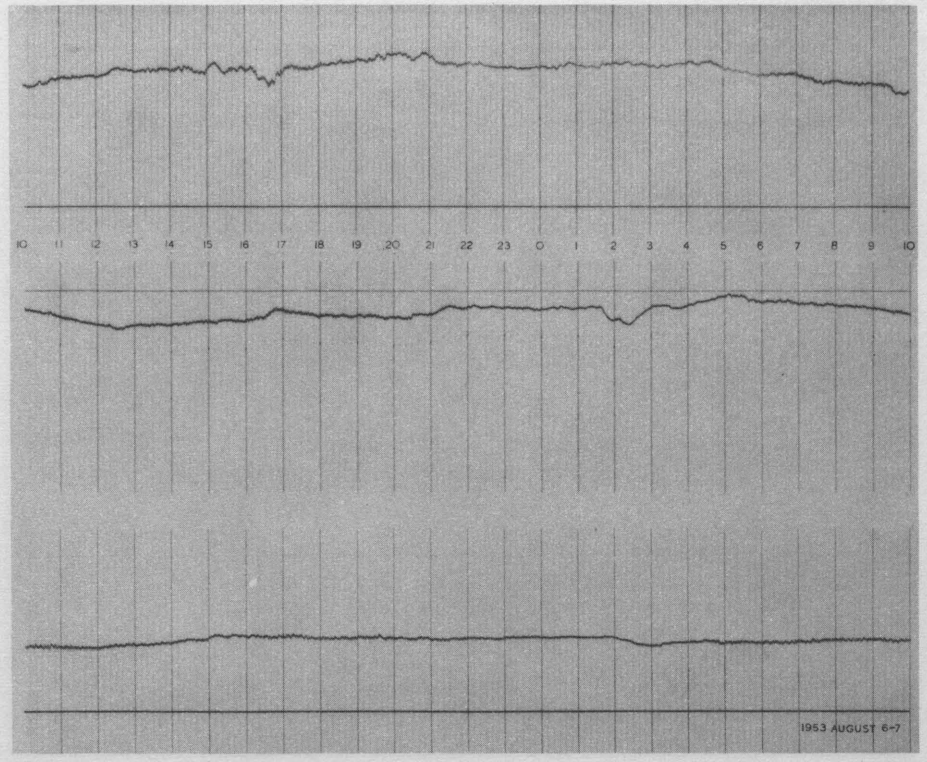
1953 AUGUST 4-5


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
8°50' WEST
D
30' WEST
Z
100γ
43195γ
1953 AUGUST 5-6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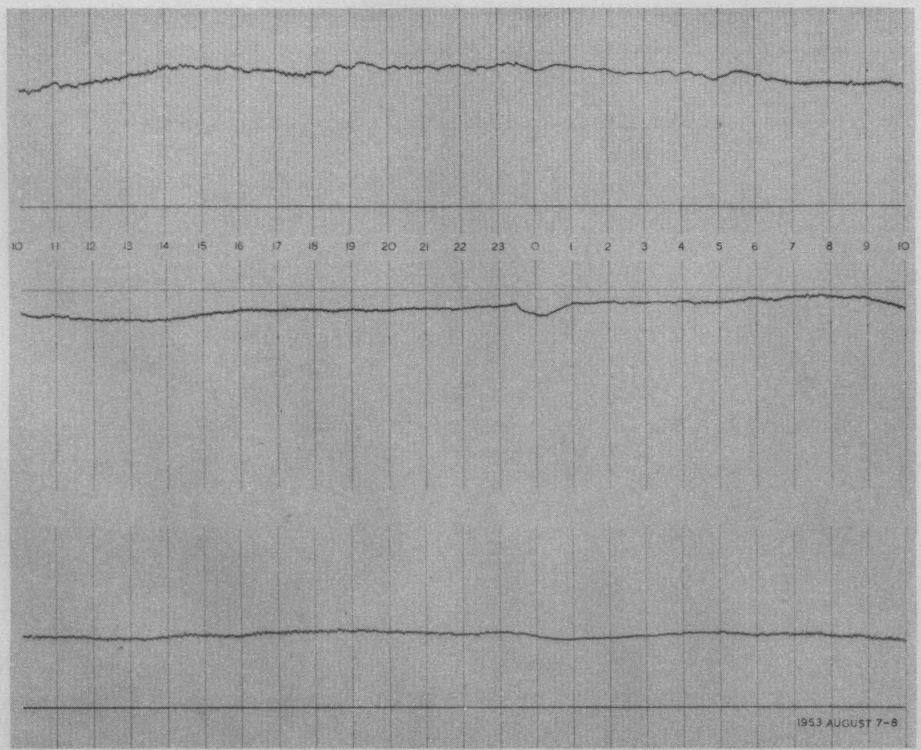
1953 AUGUST 6-7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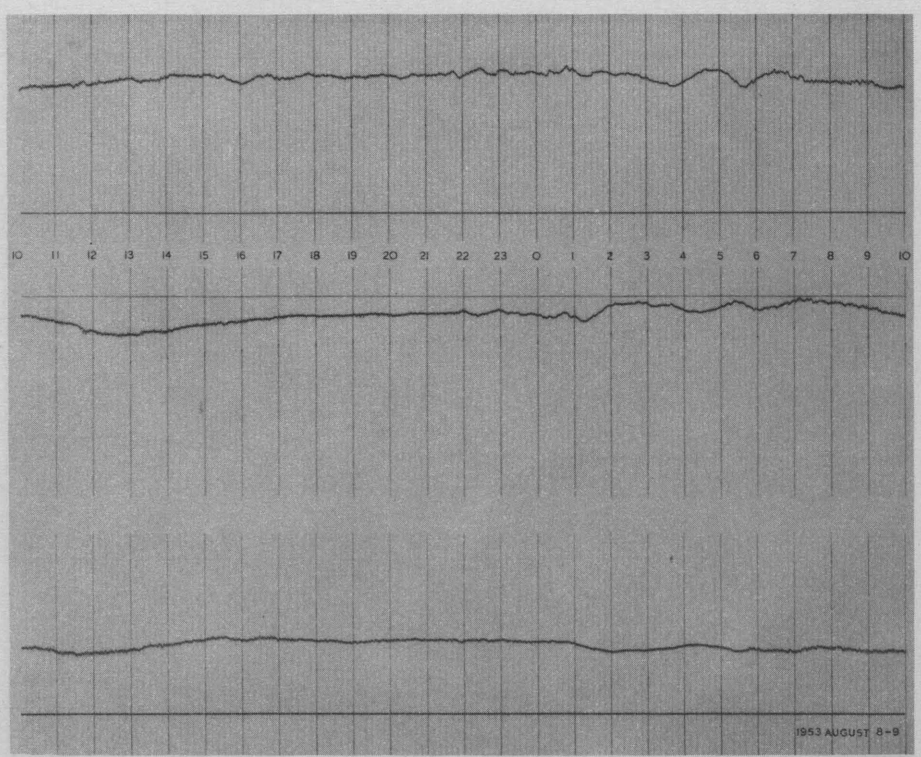
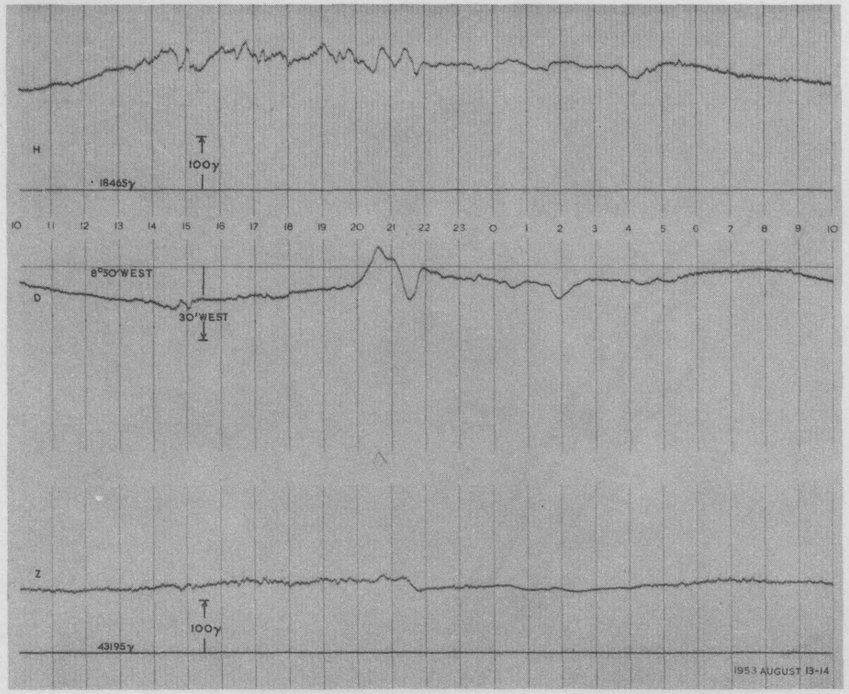
1953 AUGUST 7-8

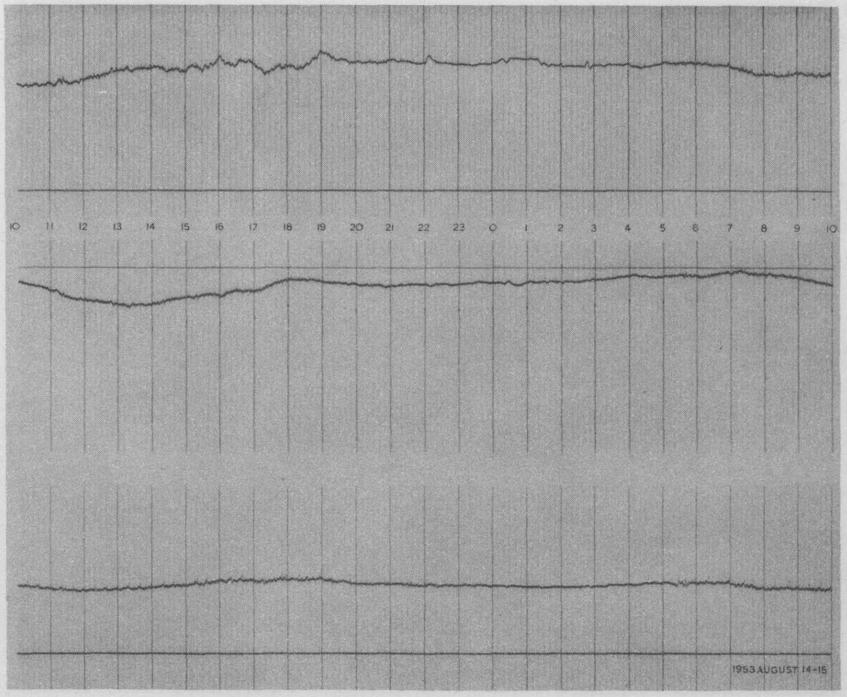

10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
1953 AUGUST 8-9

1953 AUGUST 10-11
1953 AUGUST 11-12

1953 AUGUST 9-10
H
18465γ
100γ
D
6°50' WEST
30' WEST
Z
43085γ
100γ

1953 AUGUST 10-11
1953 AUGUST 12-13


H
18465γ
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°50'WEST
D
30'WEST
Z
100γ
43195γ
1953 AUGUST 13-14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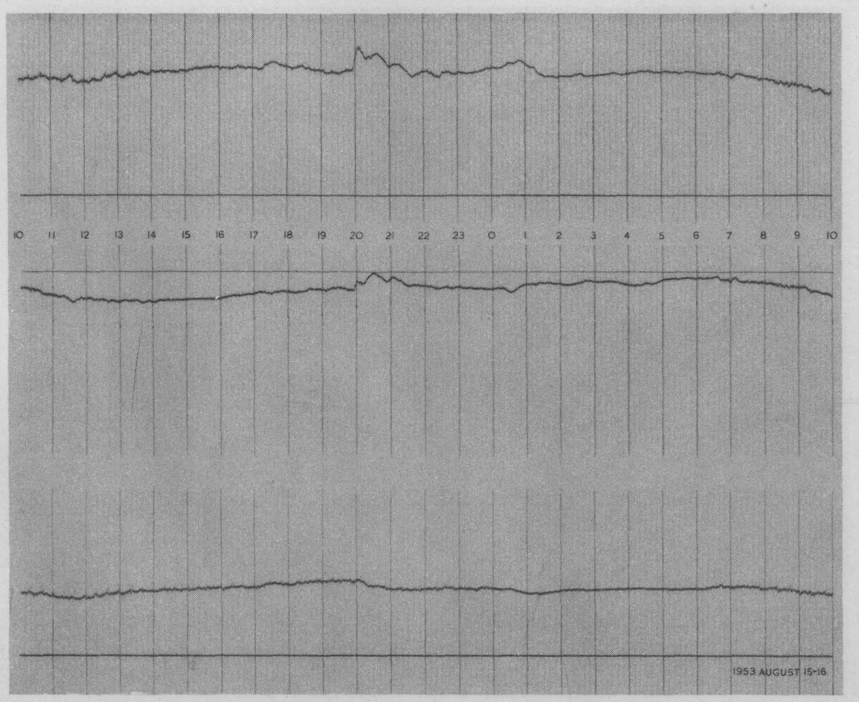
1953 AUGUST 14-15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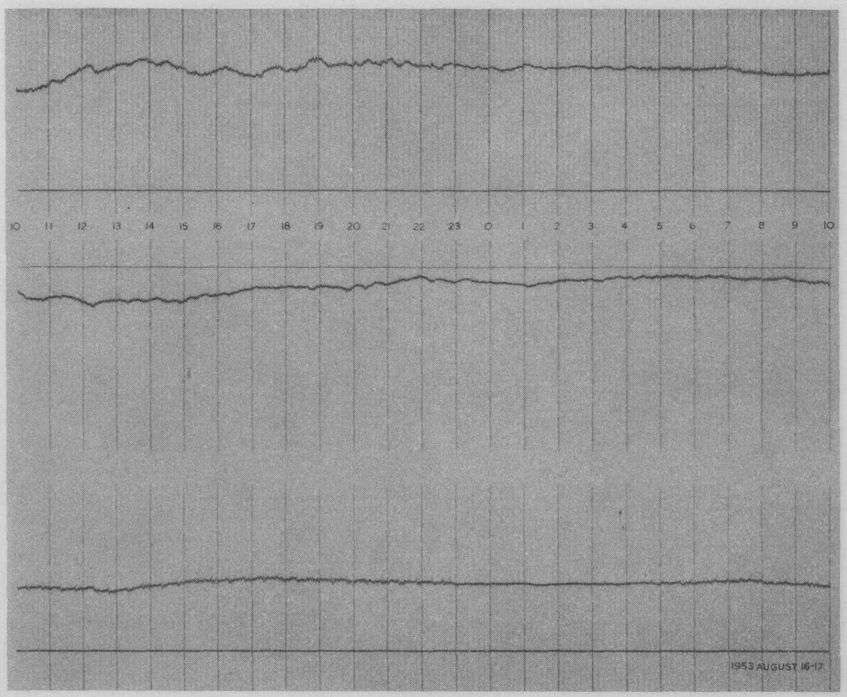
1953 AUGUST 15-16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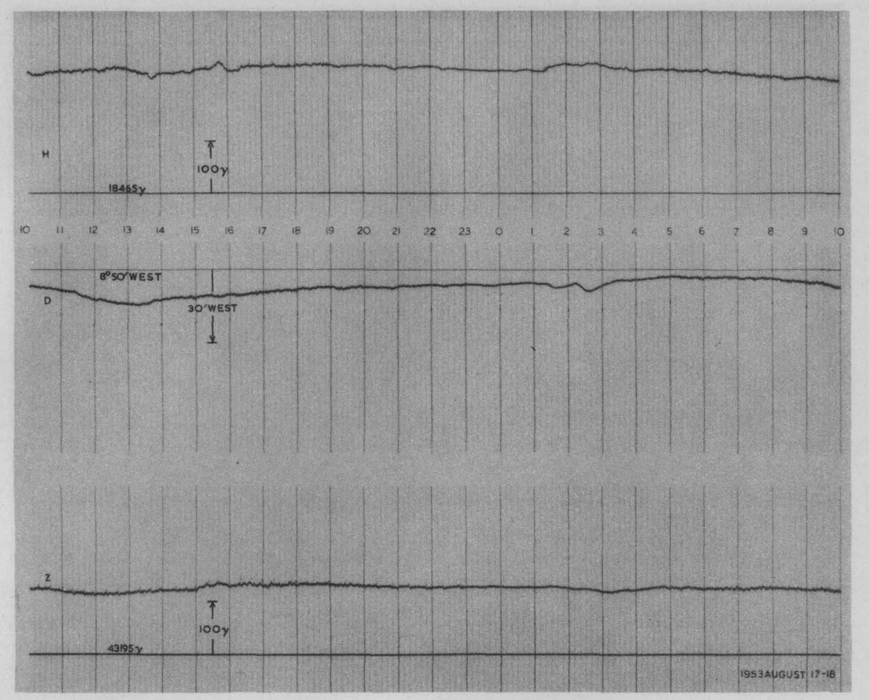
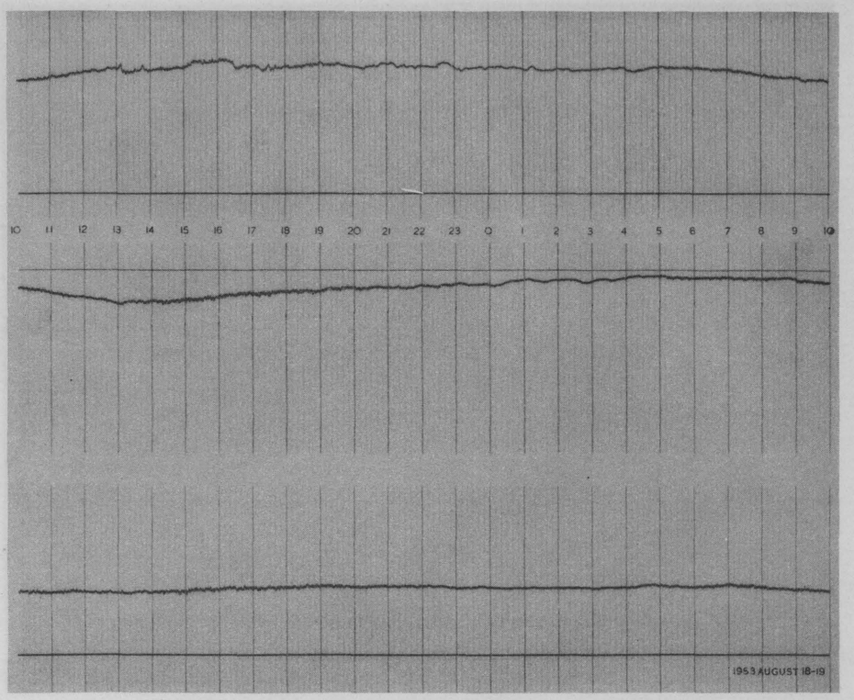
1953 AUGUST 16-17


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
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953 AUGUST 17-18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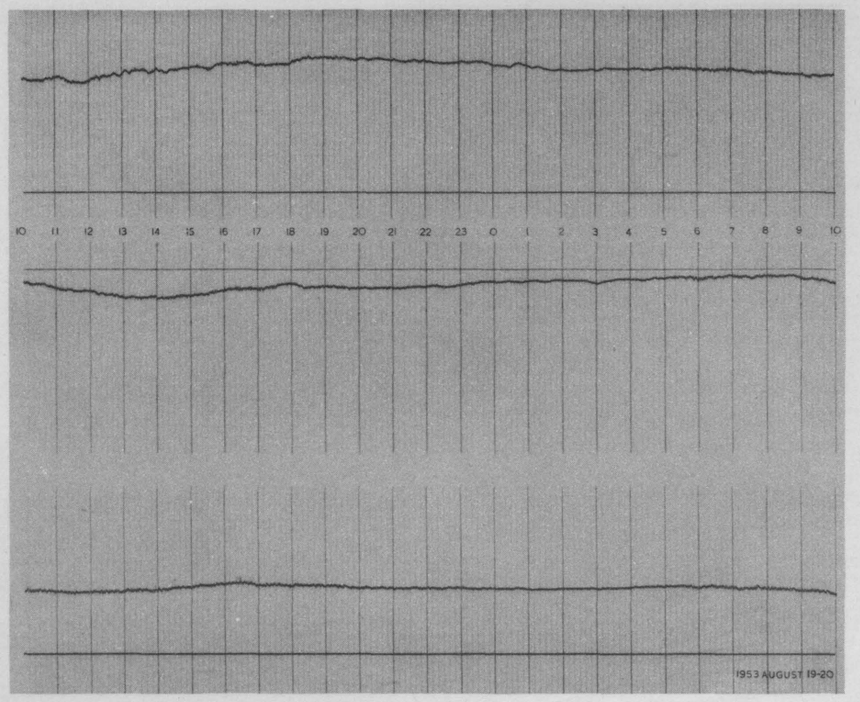
1953 AUGUST 18-19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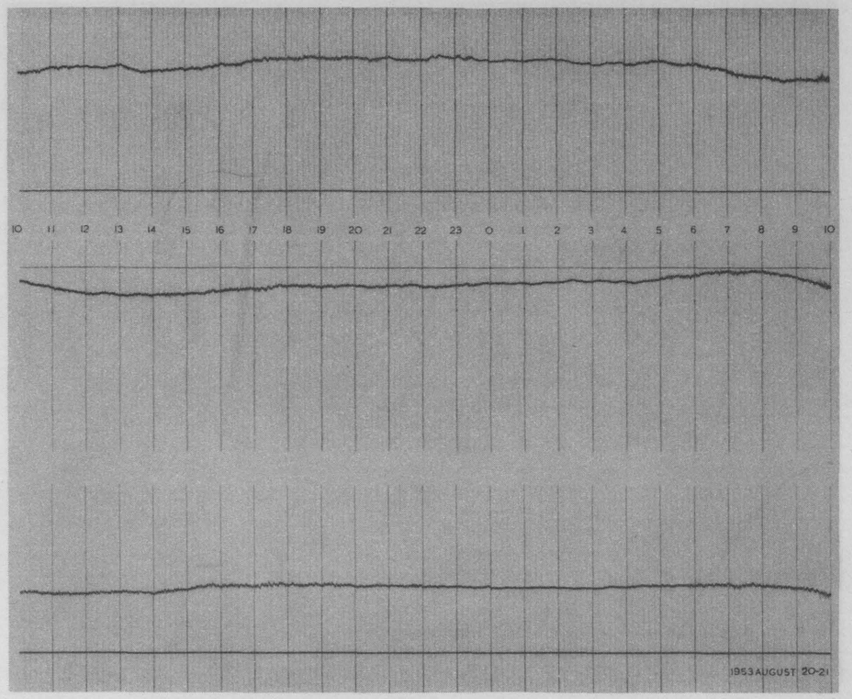
1953 AUGUST 19-20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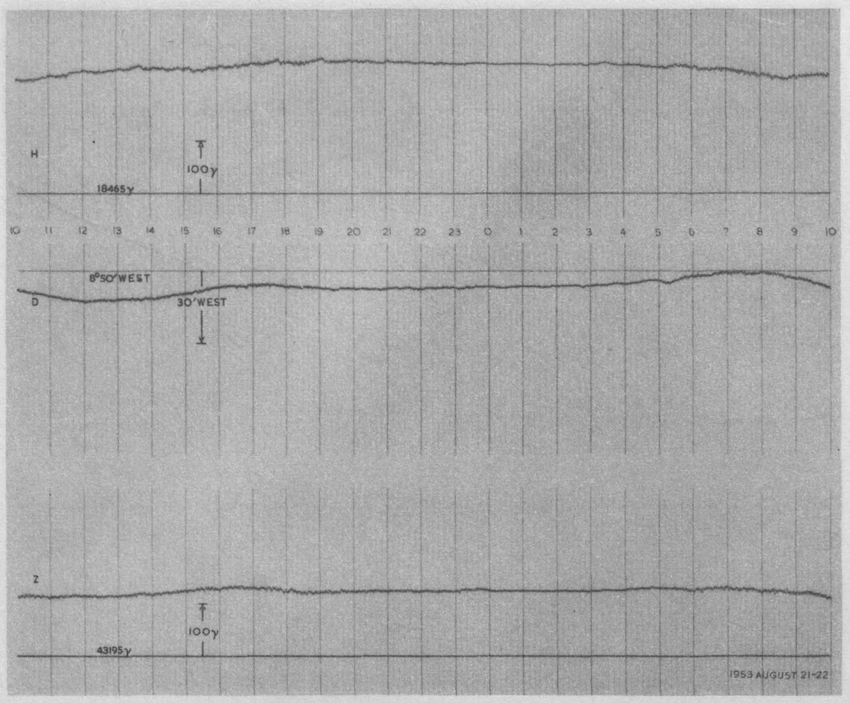
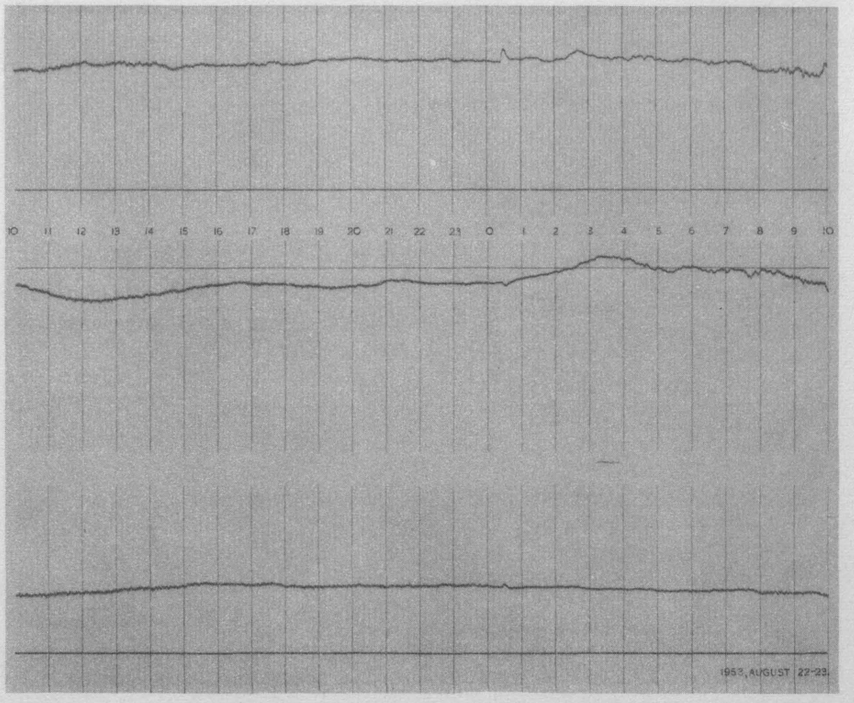
1953 AUGUST 20-21


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
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953 AUGUST 21-22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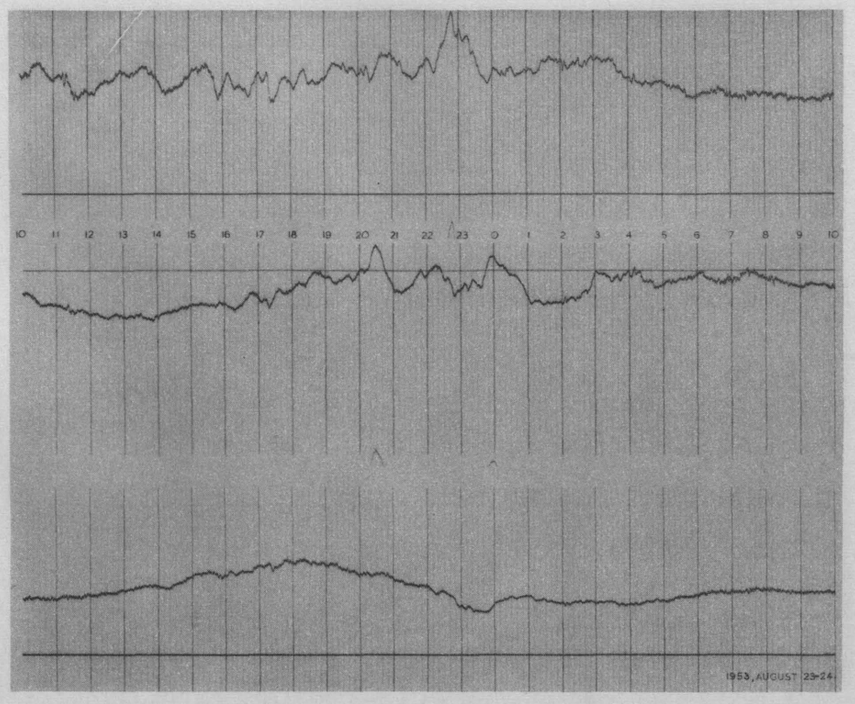
1953, AUGUST 22-23.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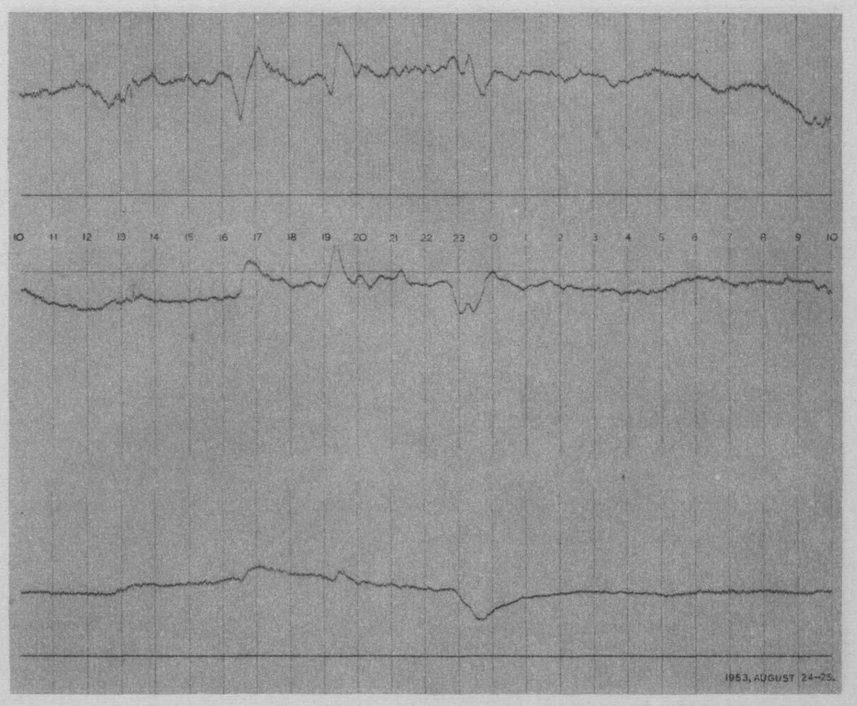
1953, AUGUST 23-24.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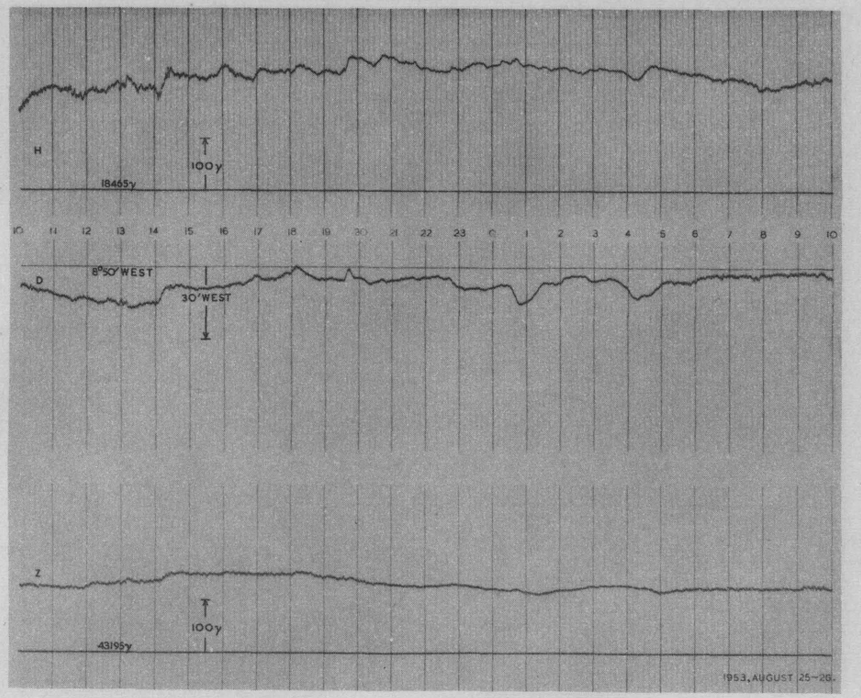
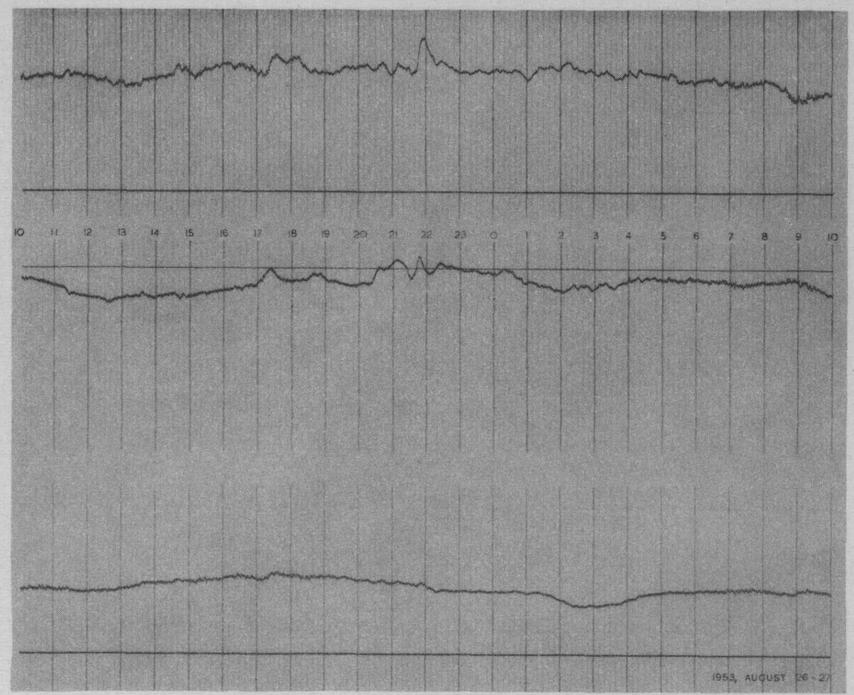
1953, AUGUST 24-25.


H
18465γ
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
8°50' WEST
30' WEST
Z
43195γ
100γ
1953, AUGUST 25-26.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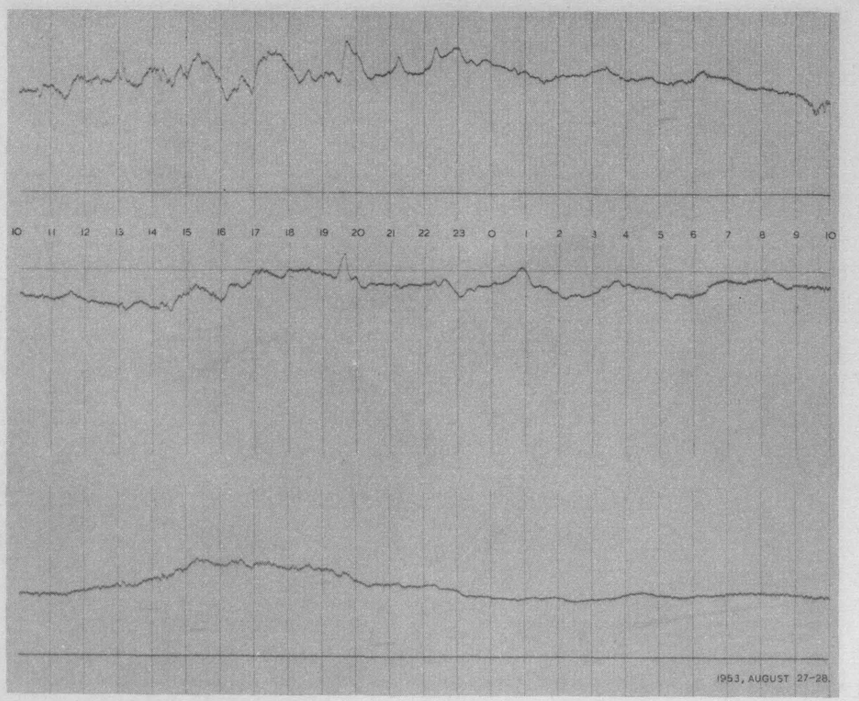
1953, AUGUST 26-27.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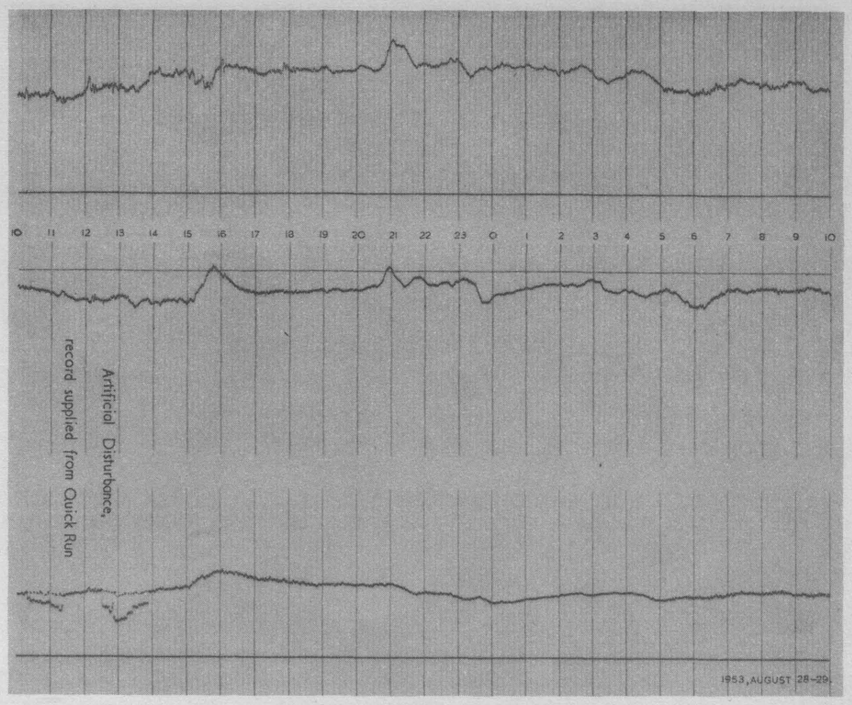
1953, AUGUST 27-28.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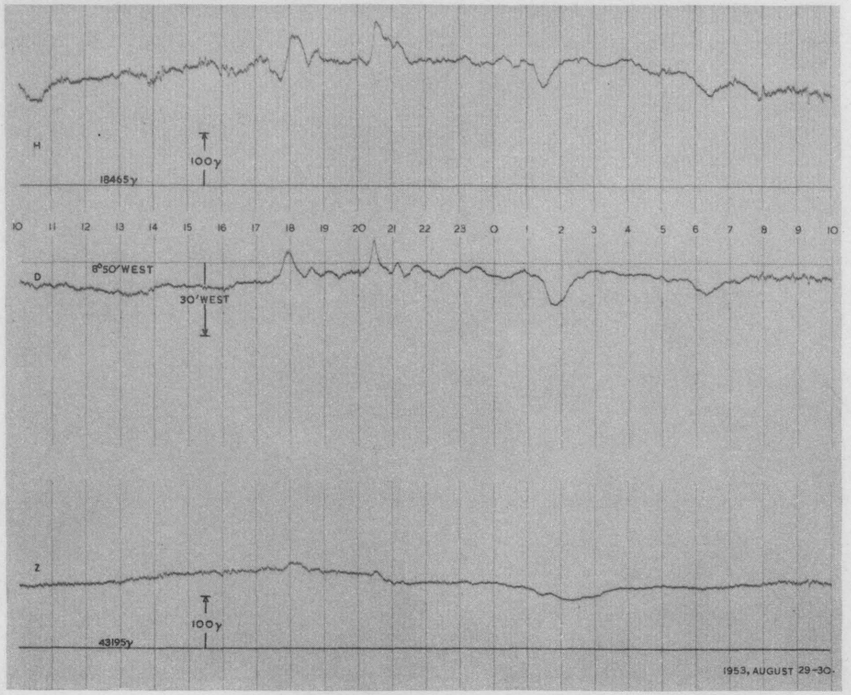
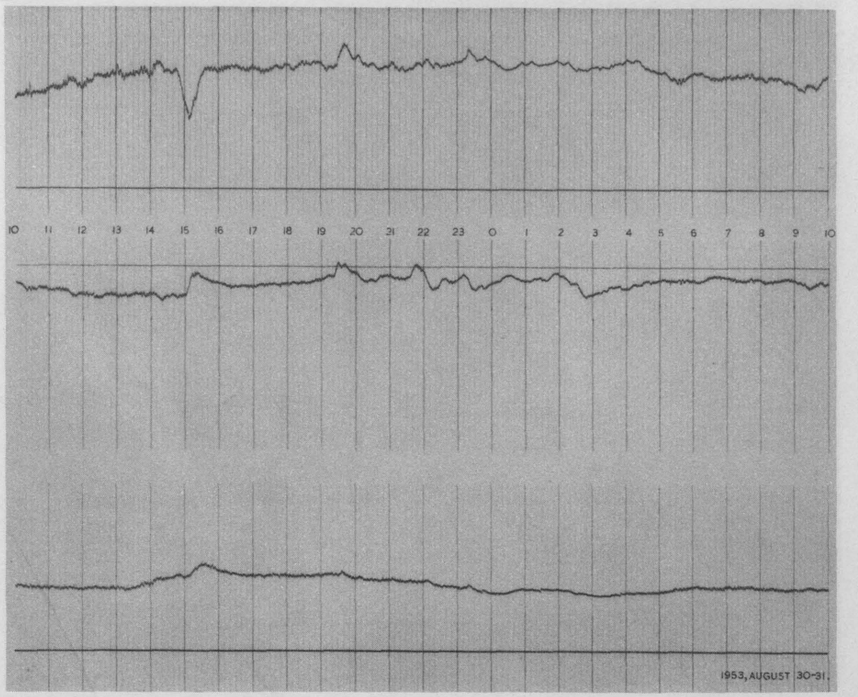
Artificial Disturbance,
record supplied from Quick Run
1953, AUGUST 28-29.


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
D
8°50'WEST
30'WEST
Z
100γ
43195γ
1953, AUGUST 29-30.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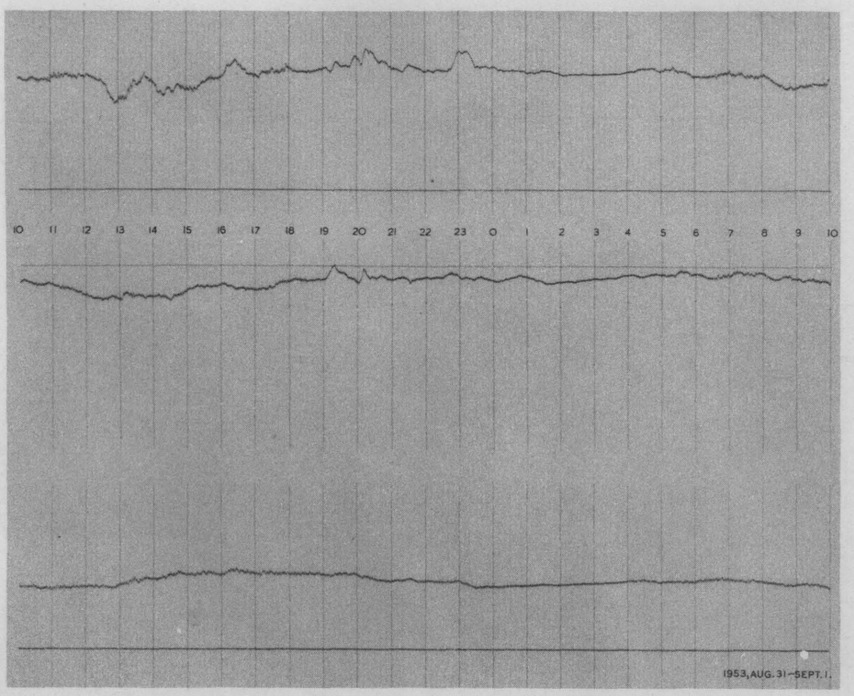
1953, AUGUST 30-31.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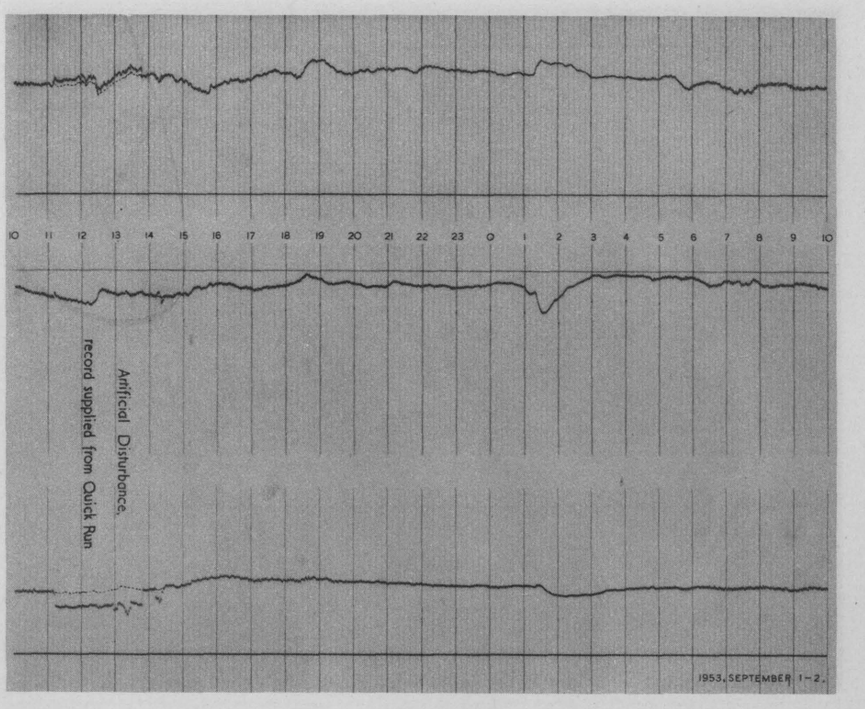
1953, AUG. 31-SEPT. 1.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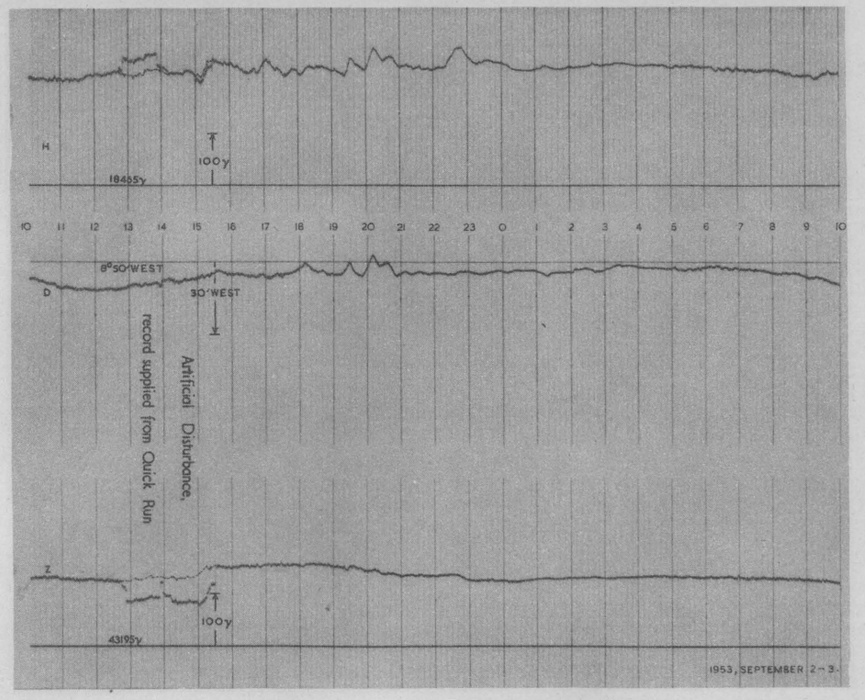
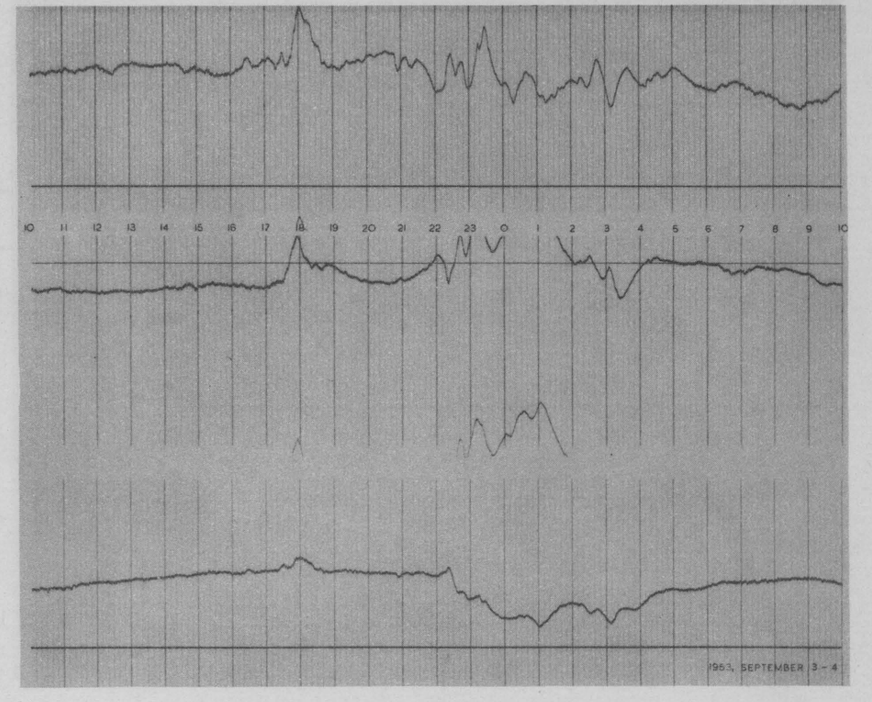
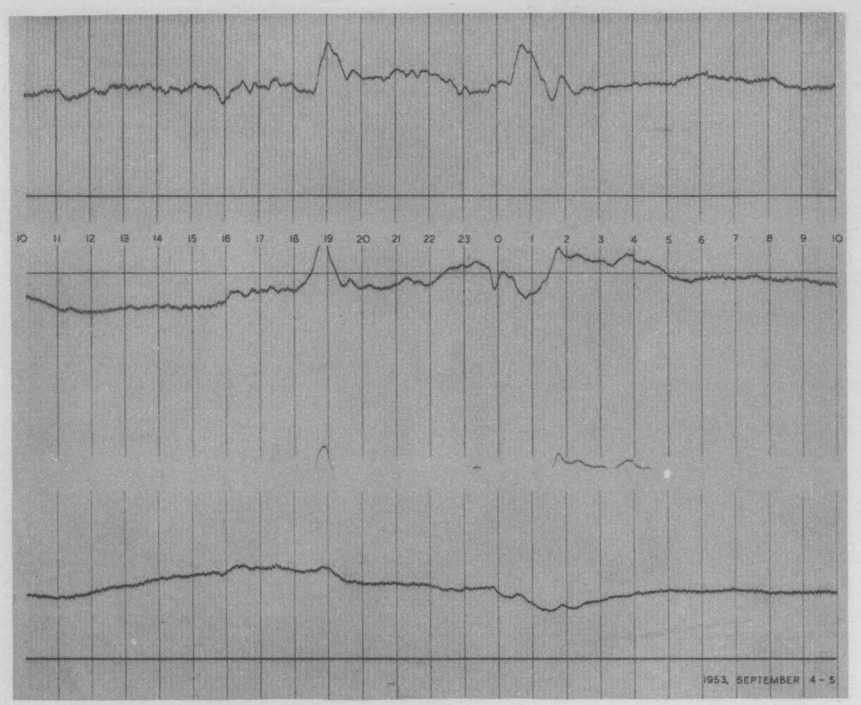
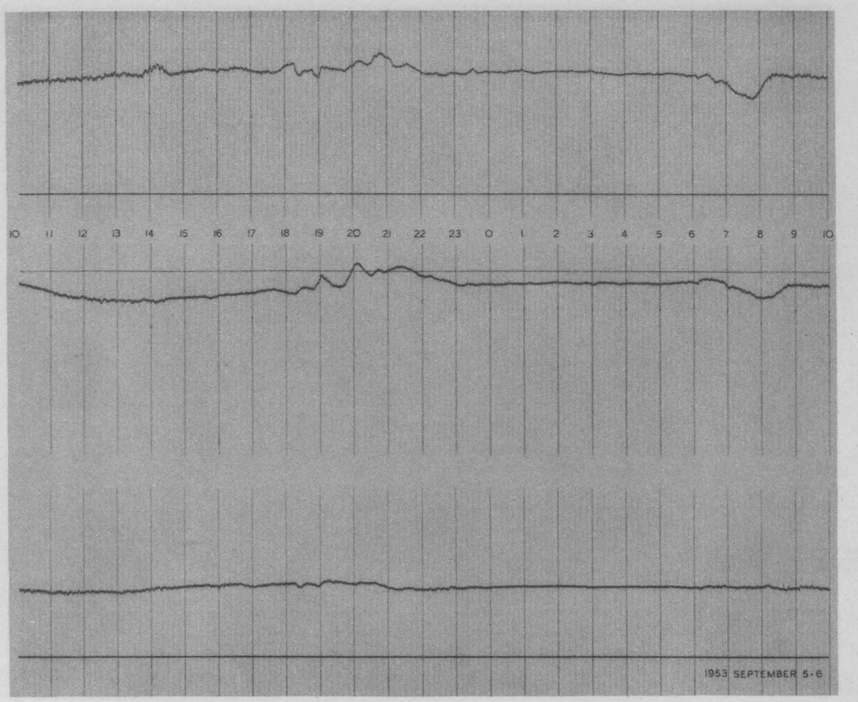
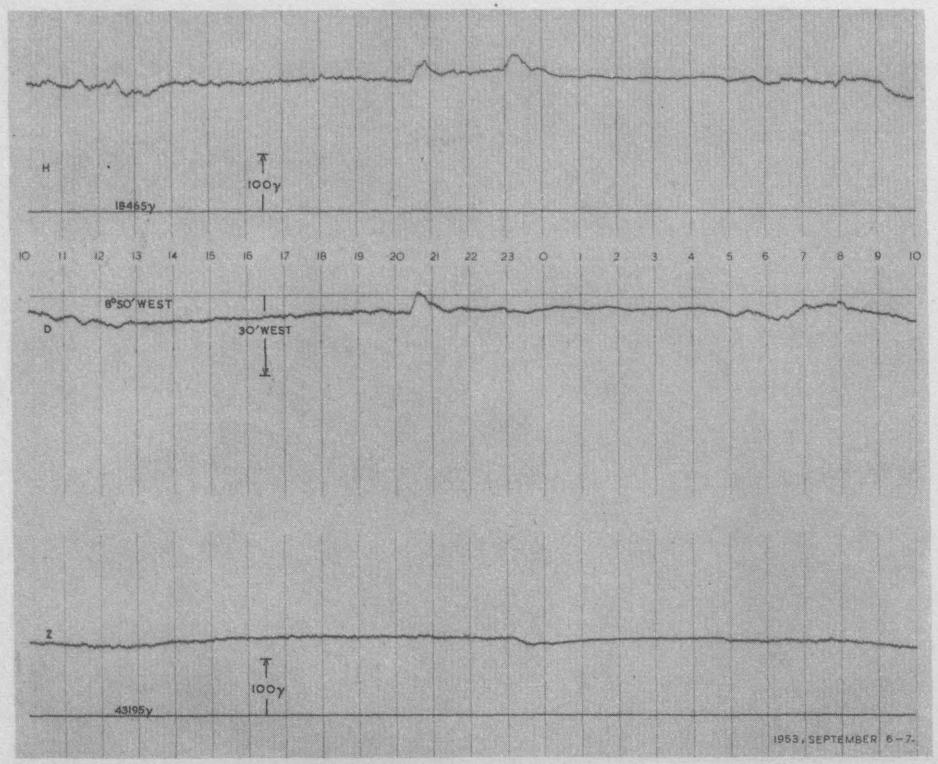
Artificial Disturbance.
record supplied from Quick Run
1953, SEPTEMBER 1-2.

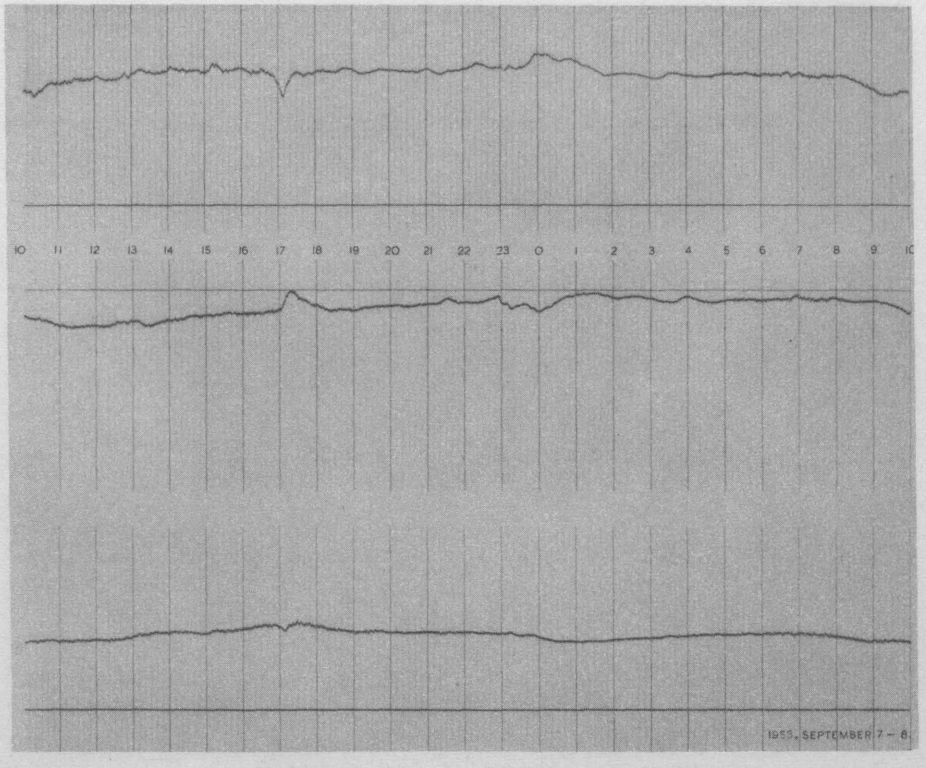

H
100γ
18465γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°50'WEST
D
30'WEST
H
record supplied from Quick Run
Artificial Disturbance.
Z
100γ
43195γ
1953, SEPTEMBER 2-3.


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
1953, SEPTEMBER 3-4


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
1953, SEPTEMBER 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
1953 SEPTEMBER 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°50' WEST
D
30' WEST
Z
100γ
43195γ
1953, SEPTEMBER 6-7.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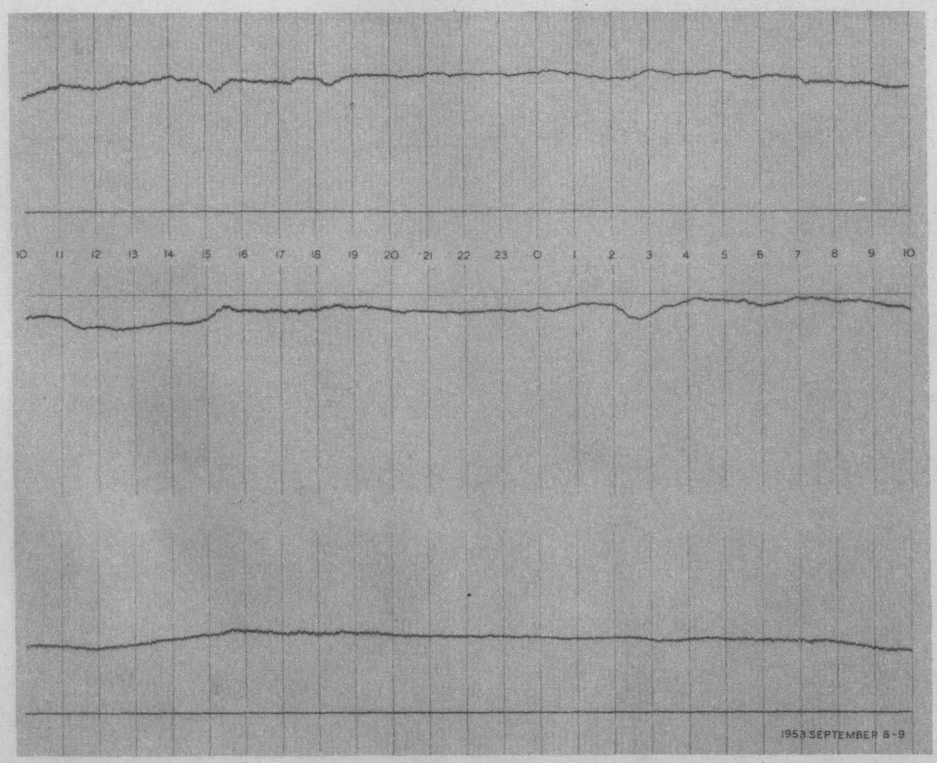
1953, SEPTEMBER 7-8.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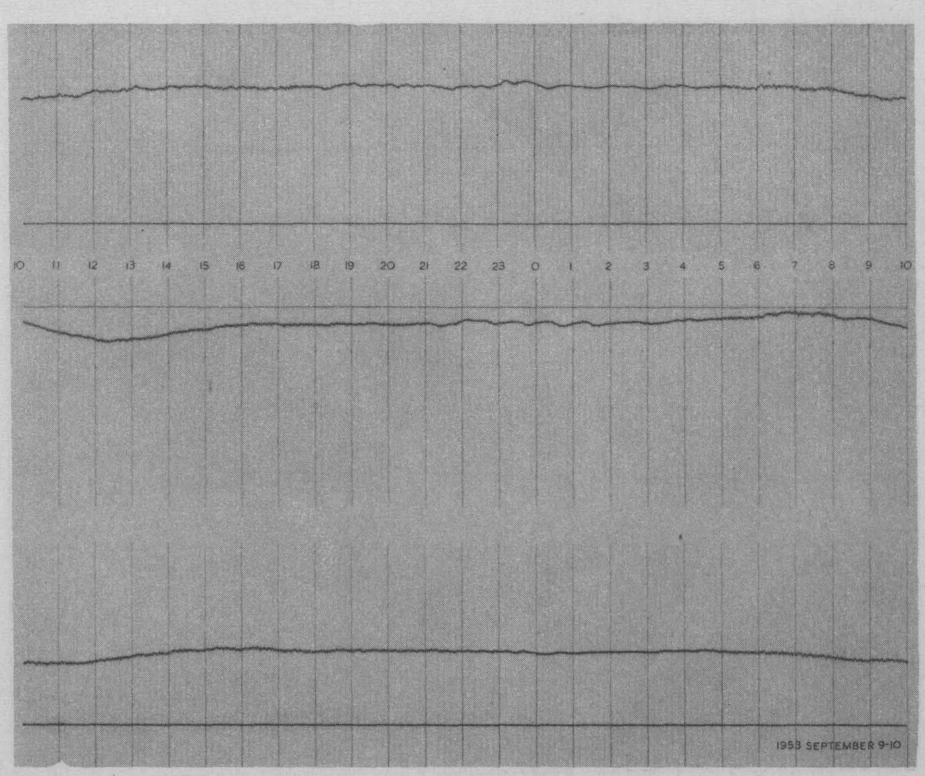
1953 SEPTEMBER 8-9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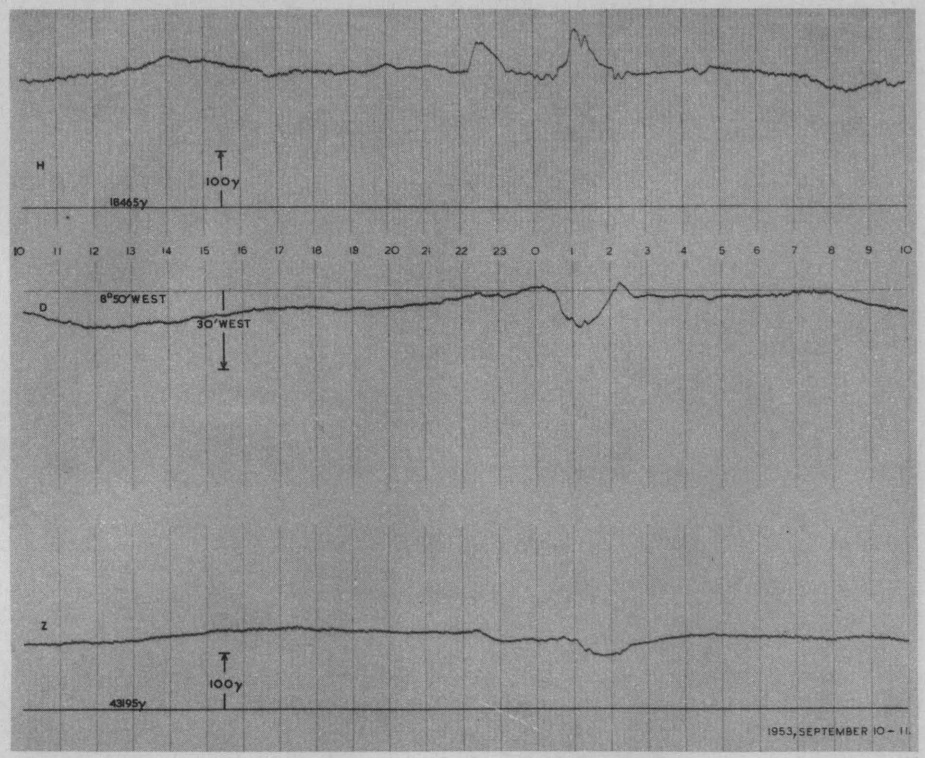
1953 SEPTEMBER 9-10


H
100γ
18465γ
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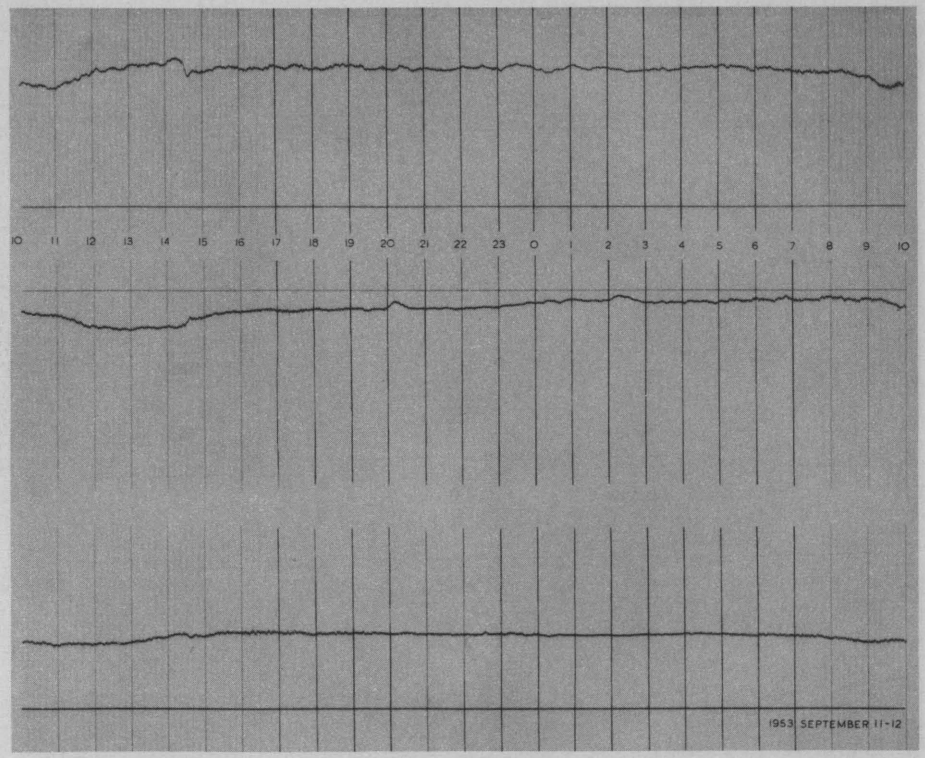
D
8°50' WEST
30' WEST
Z
100γ
43195γ
1953, SEPTEMBER 10 - 11.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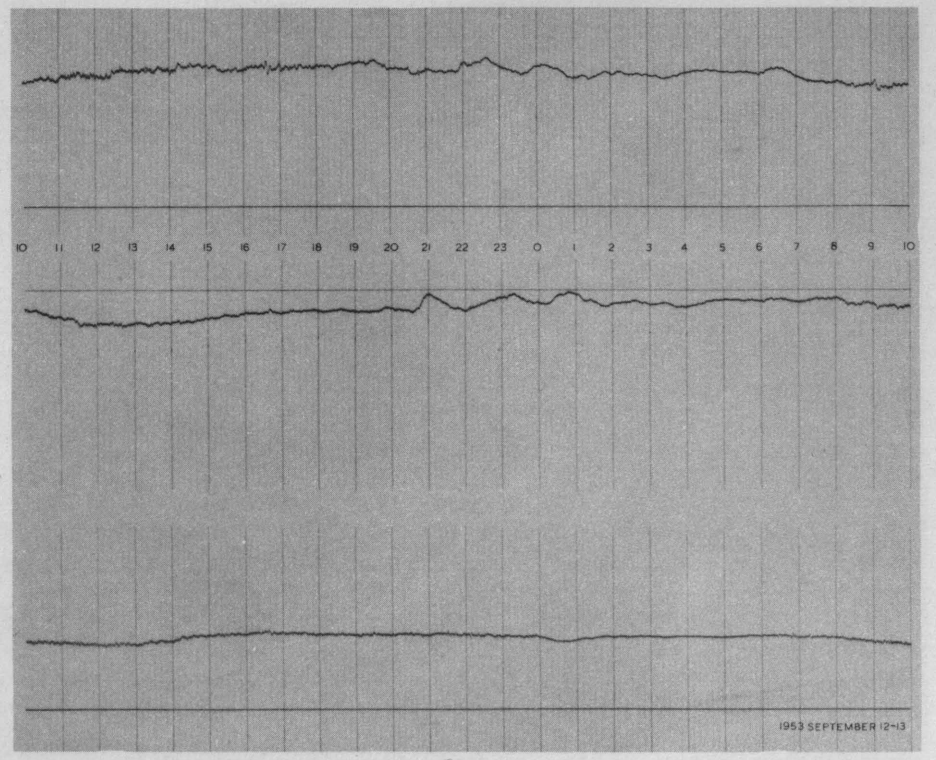
1953 SEPTEMBER 11-12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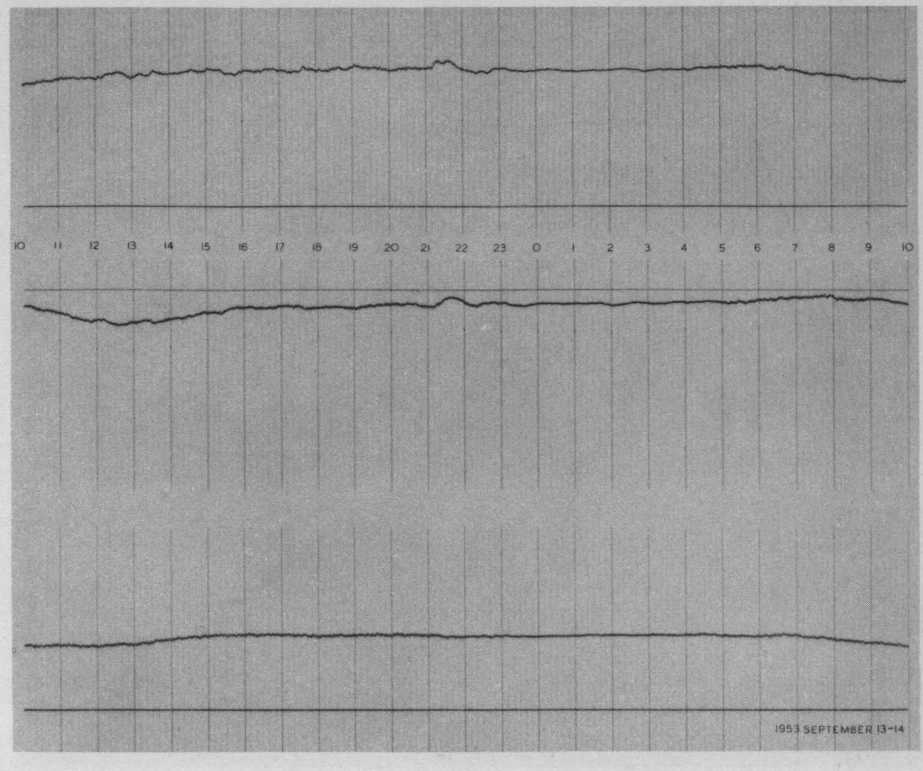
1953 SEPTEMBER 12-13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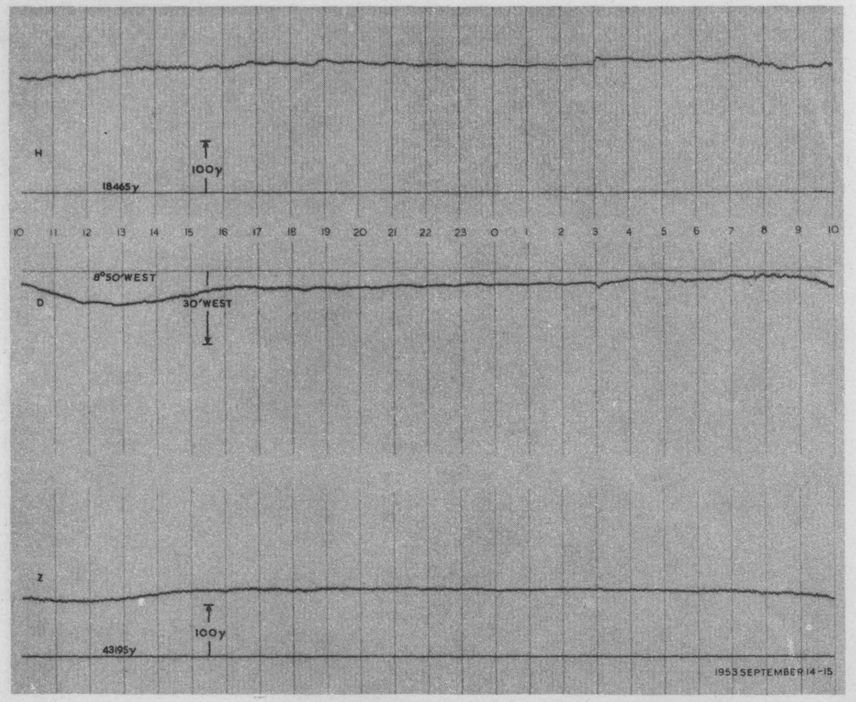
1953 SEPTEMBER 13-14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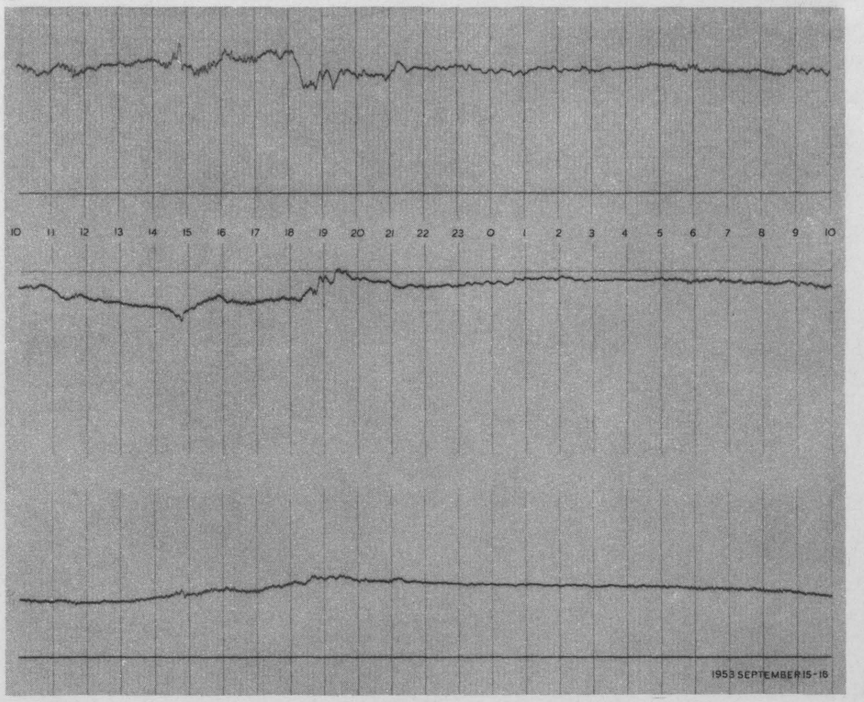
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953 SEPTEMBER 14-15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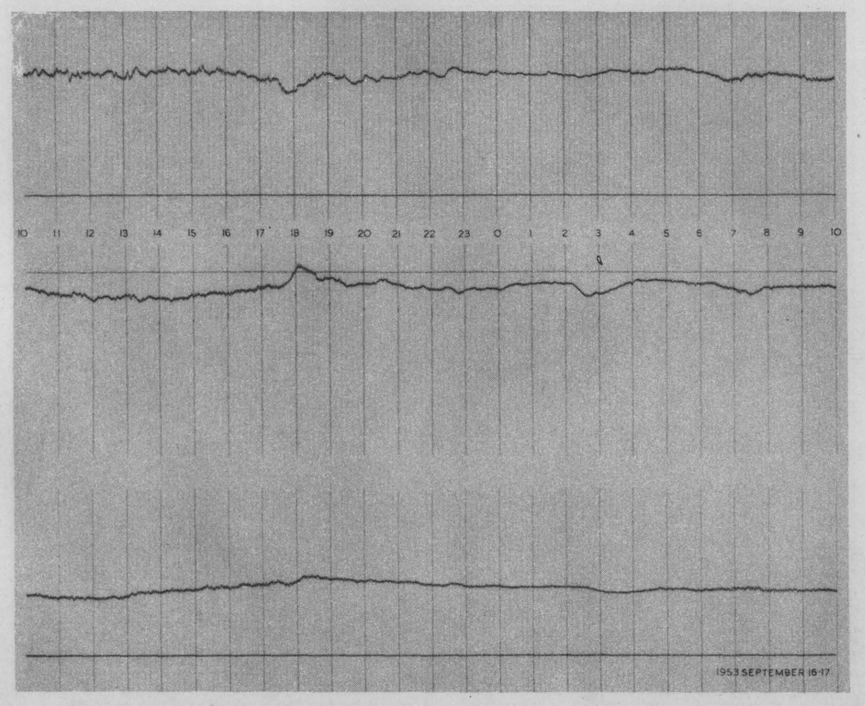
1953 SEPTEMBER 15-16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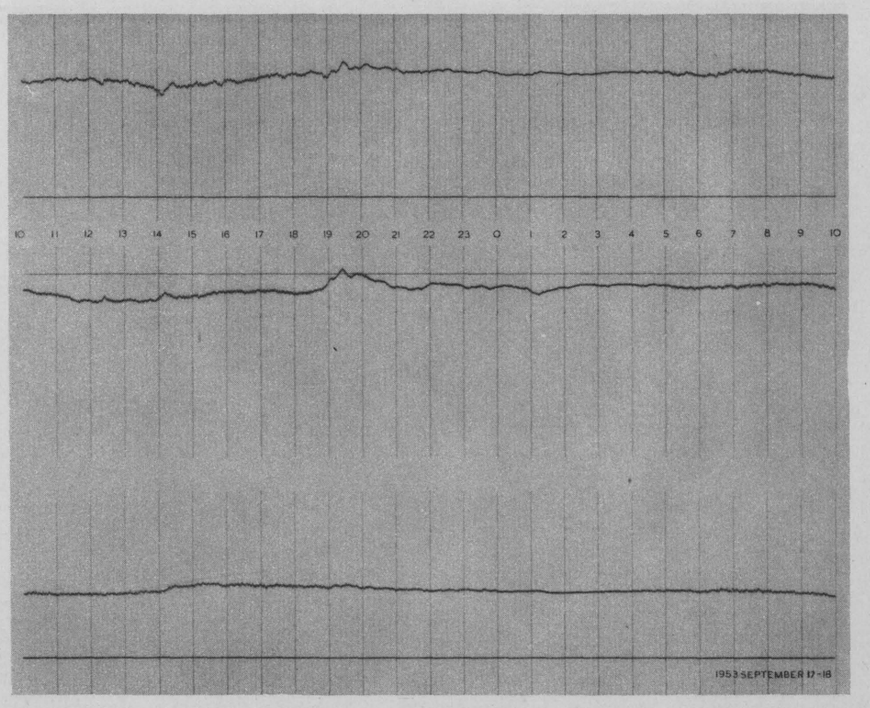
1953 SEPTEMBER 16-17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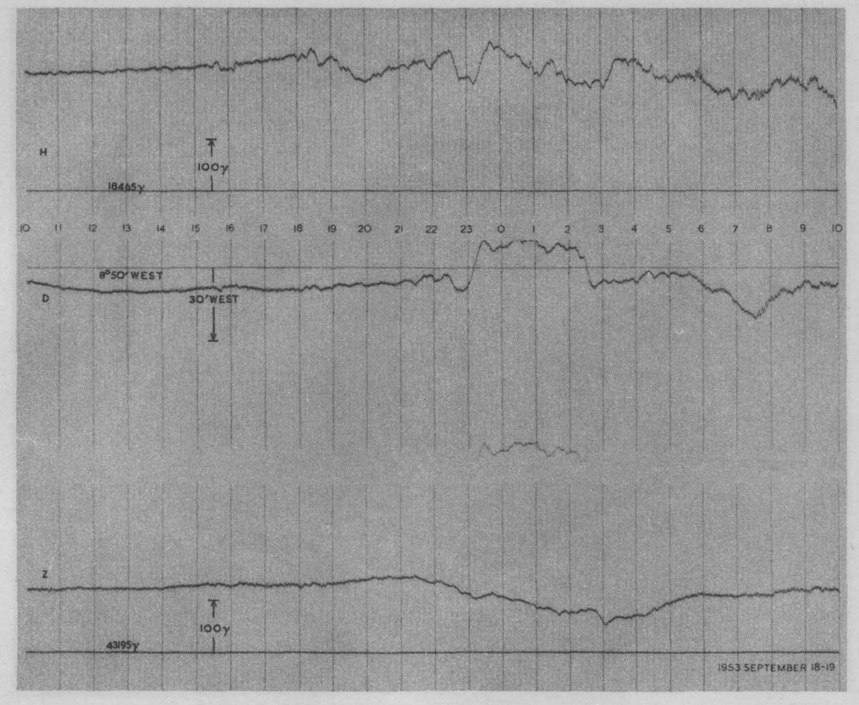
1953 SEPTEMBER 17-18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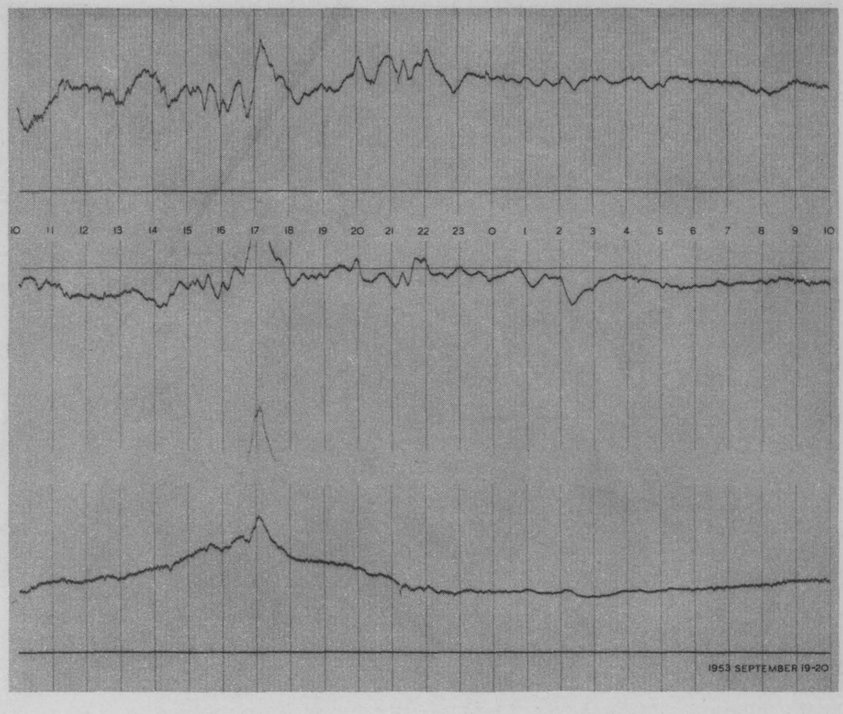
8°50' WEST
D
30' WEST
Z
100γ
43195γ
1953 SEPTEMBER 18-19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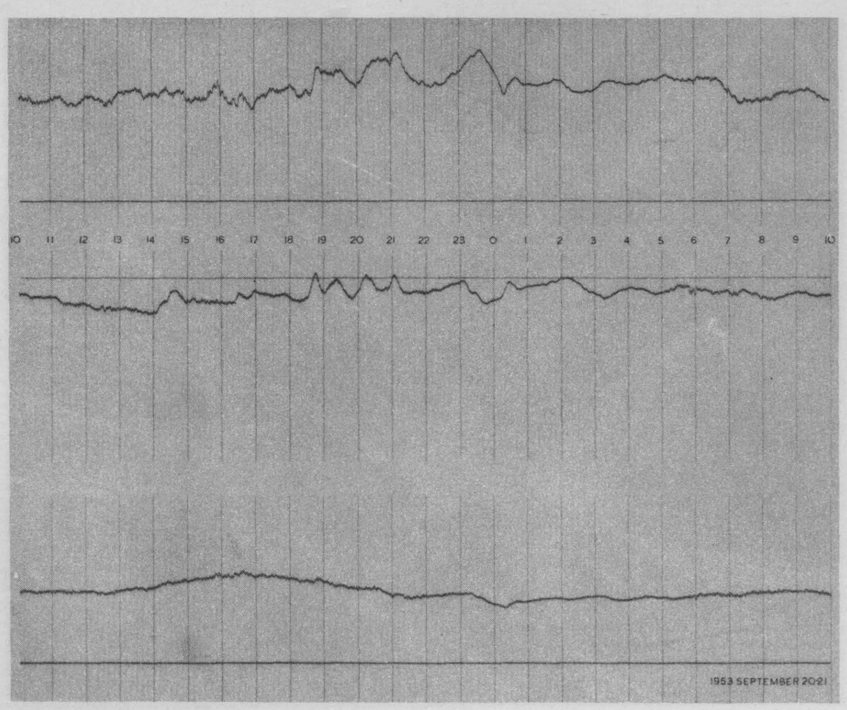
1953 SEPTEMBER 19-20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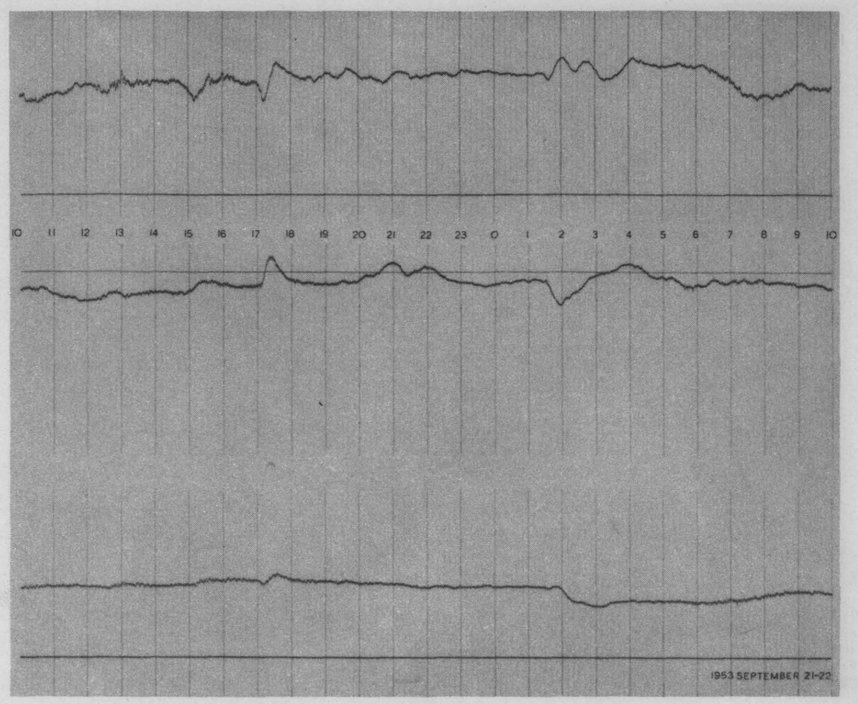
1953 SEPTEMBER 20-21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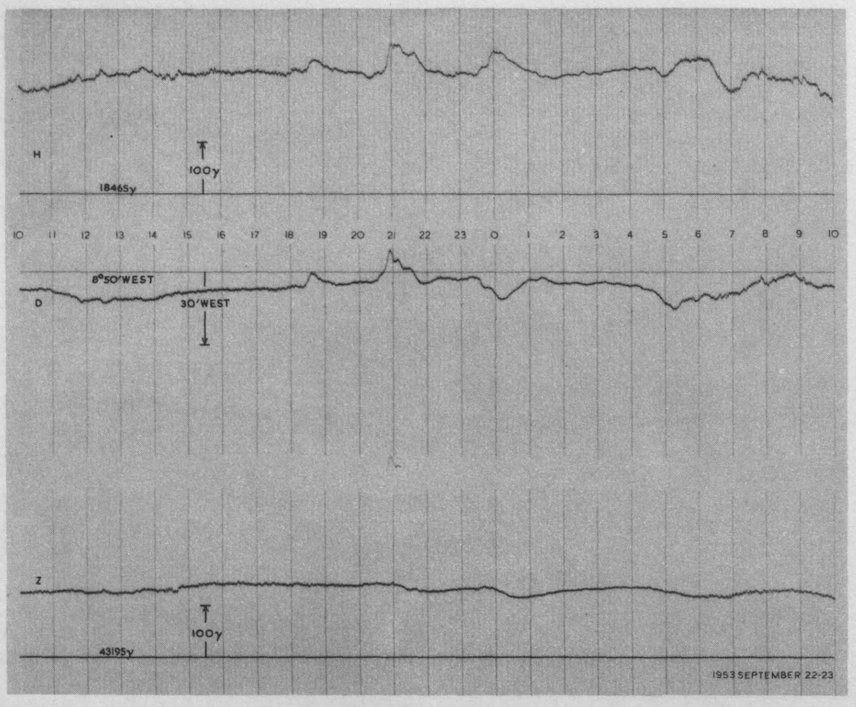
1953 SEPTEMBER 21-22


H
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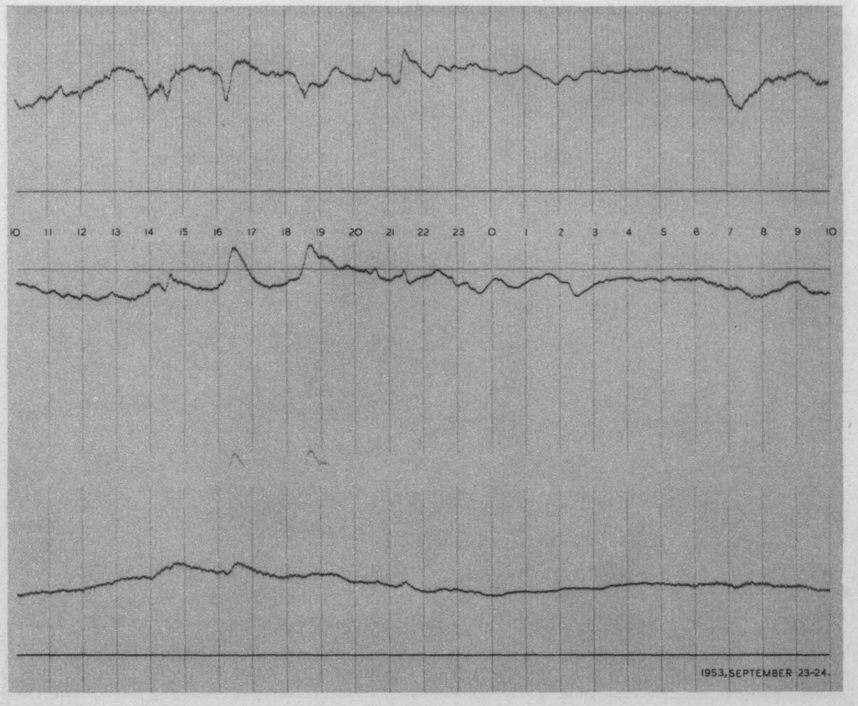
100γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953 SEPTEMBER 22-23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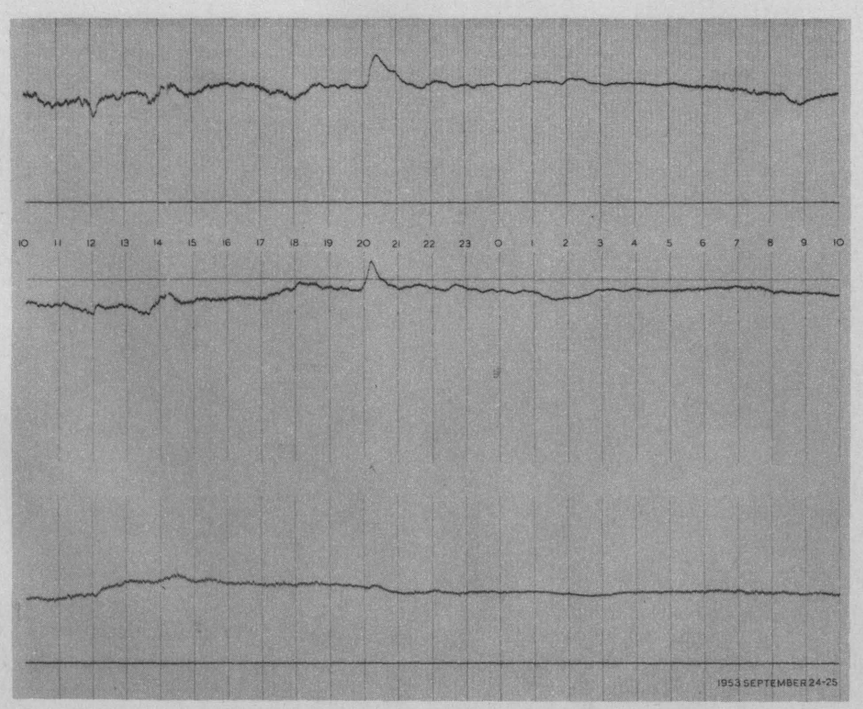
1953, SEPTEMBER 23-24.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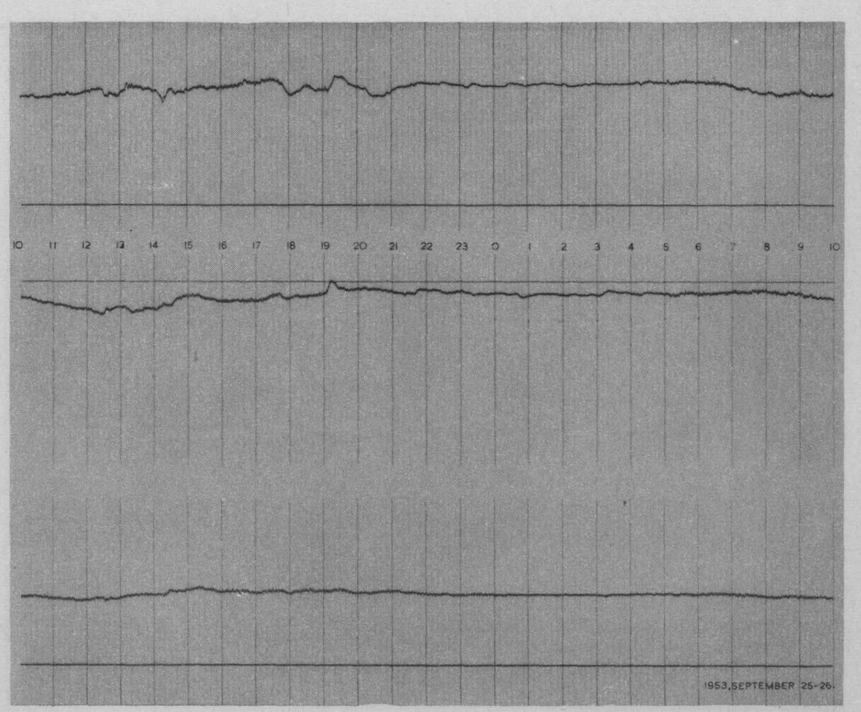
1953 SEPTEMBER 24-25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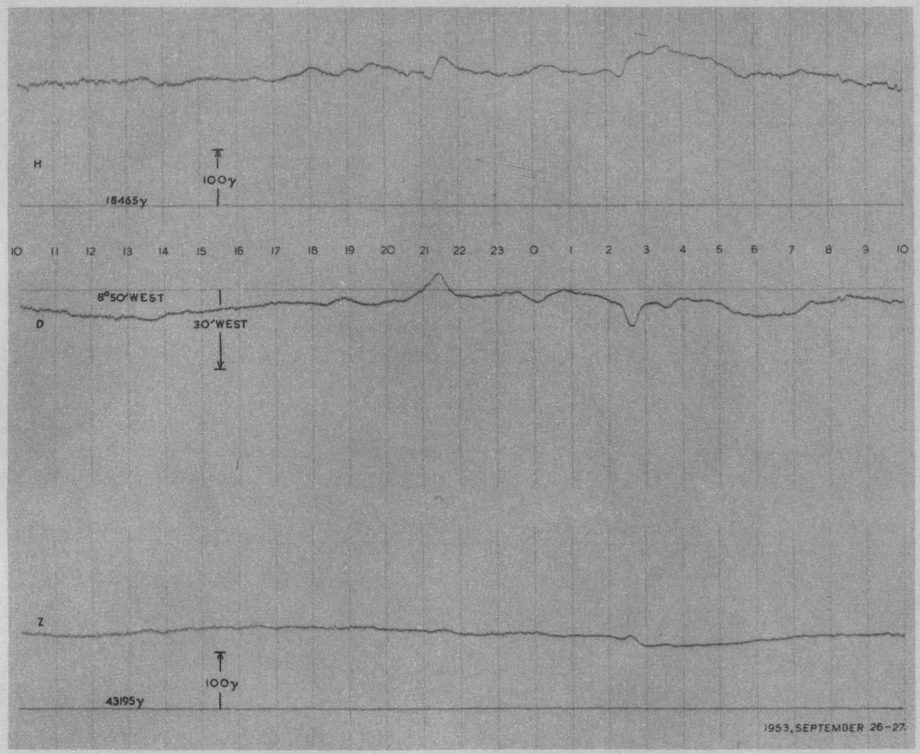
1953, SEPTEMBER 25-26.


H
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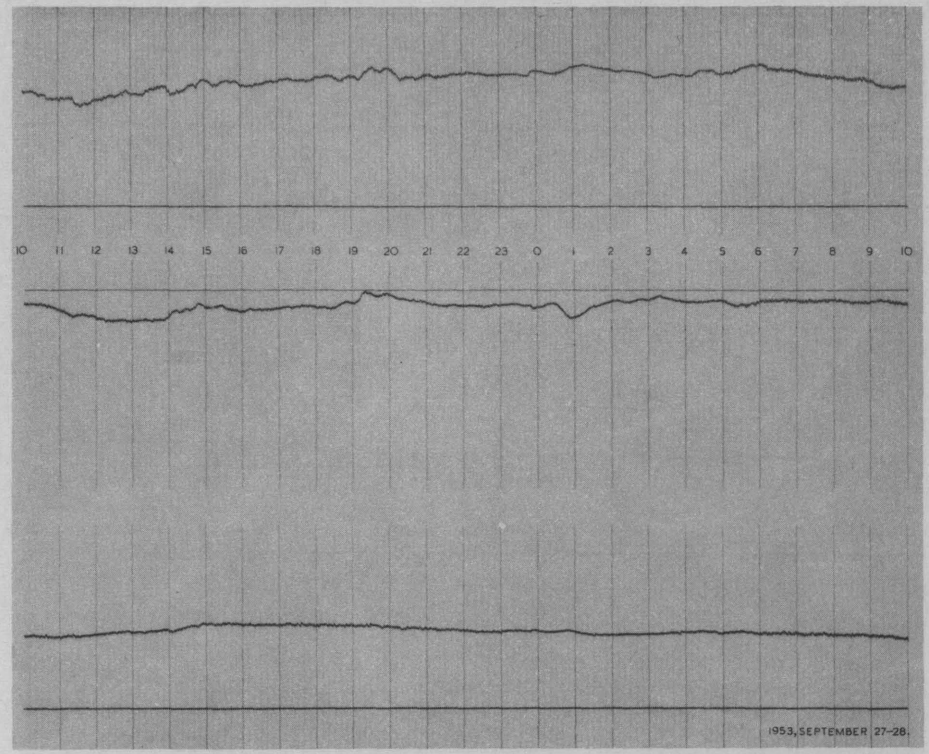
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953, SEPTEMBER 26-27.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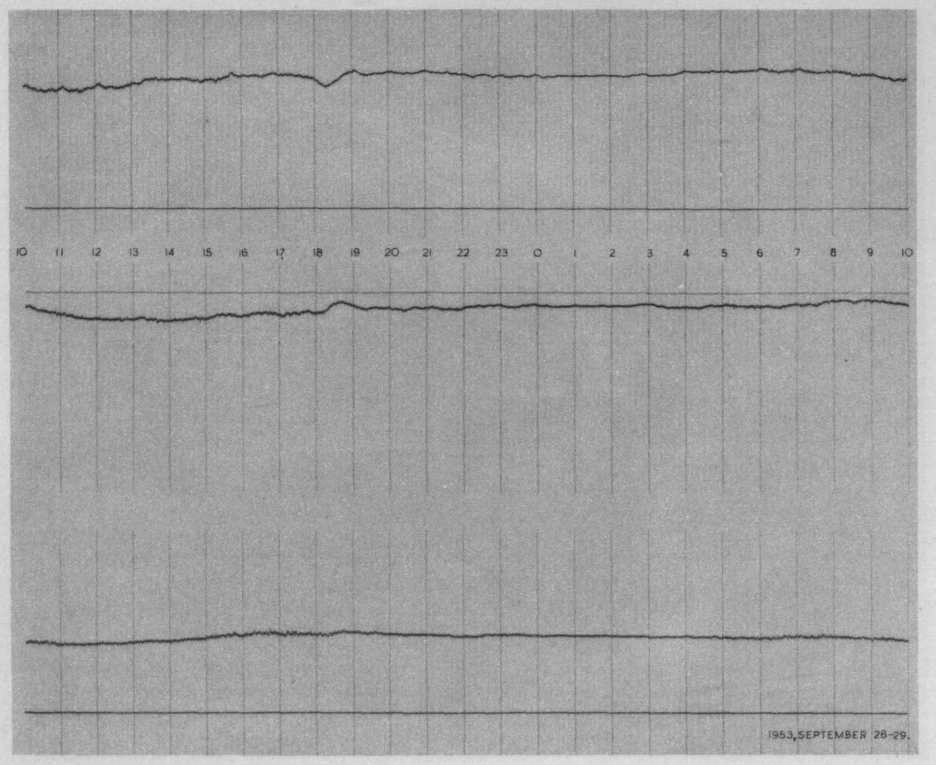
1953, SEPTEMBER 27-28.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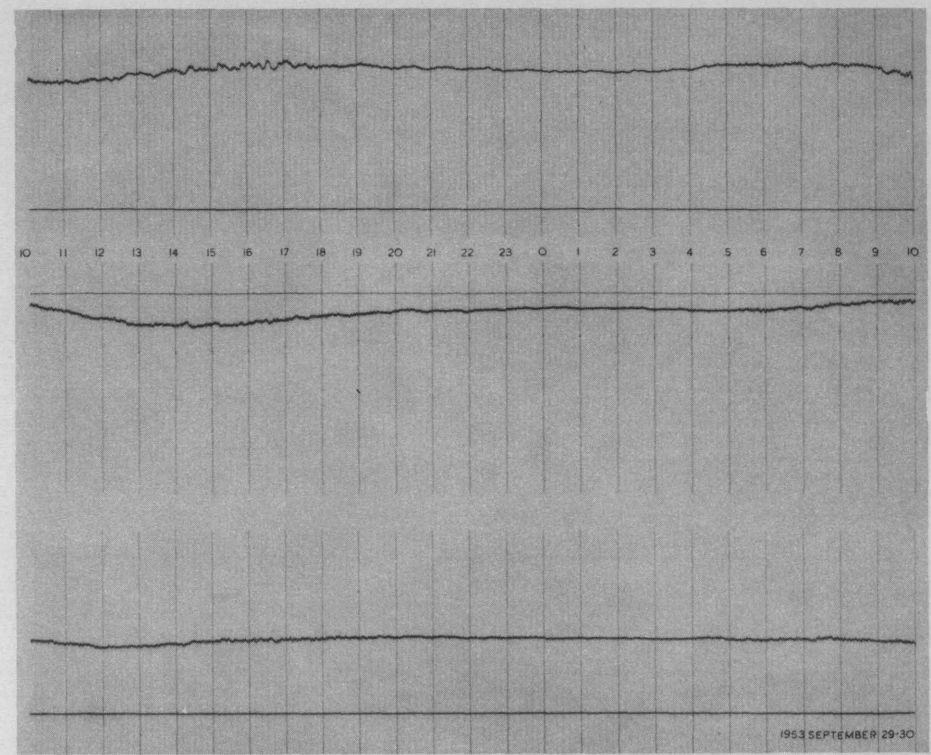
1953, SEPTEMBER 28-29.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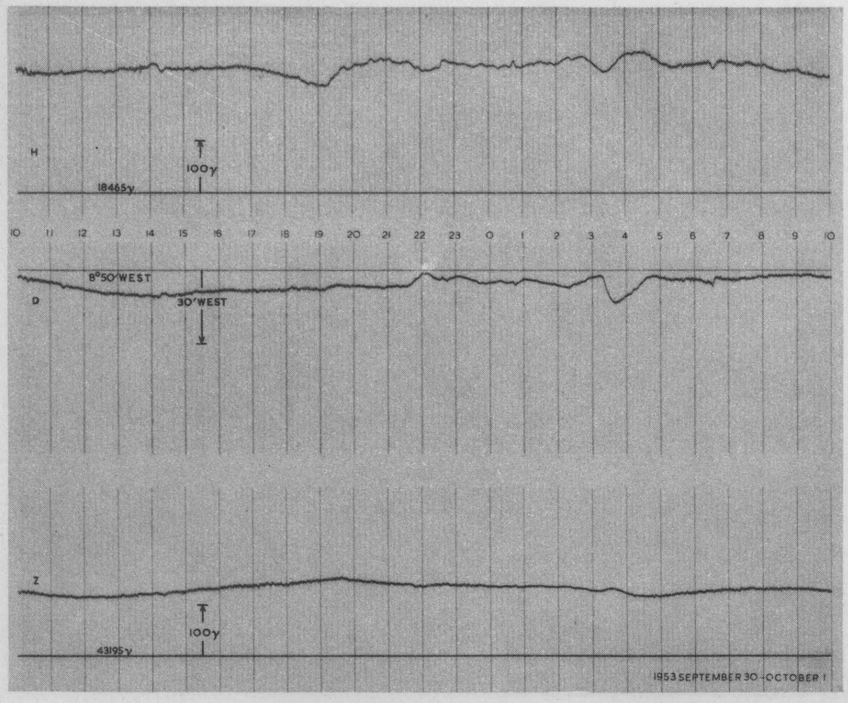
1953 SEPTEMBER 29-30


H
100γ
18465γ
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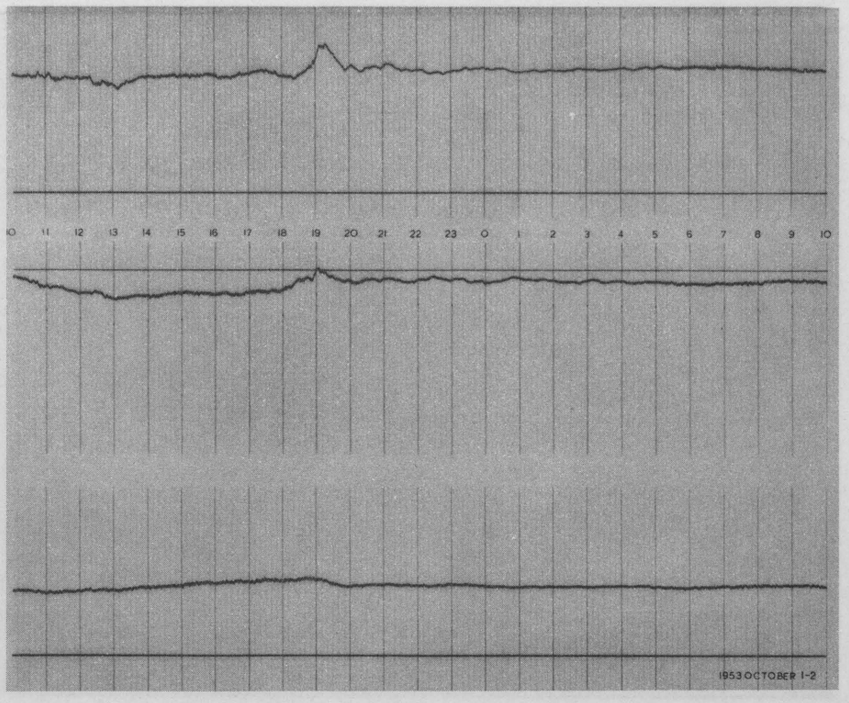
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953 SEPTEMBER 30 - OCTOBER 1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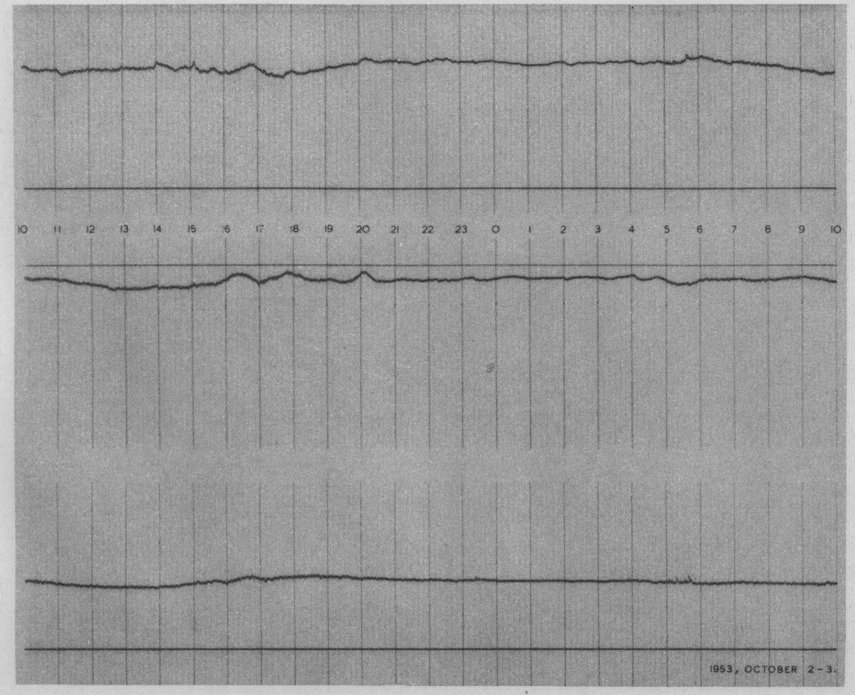
1953 OCTOBER 1-2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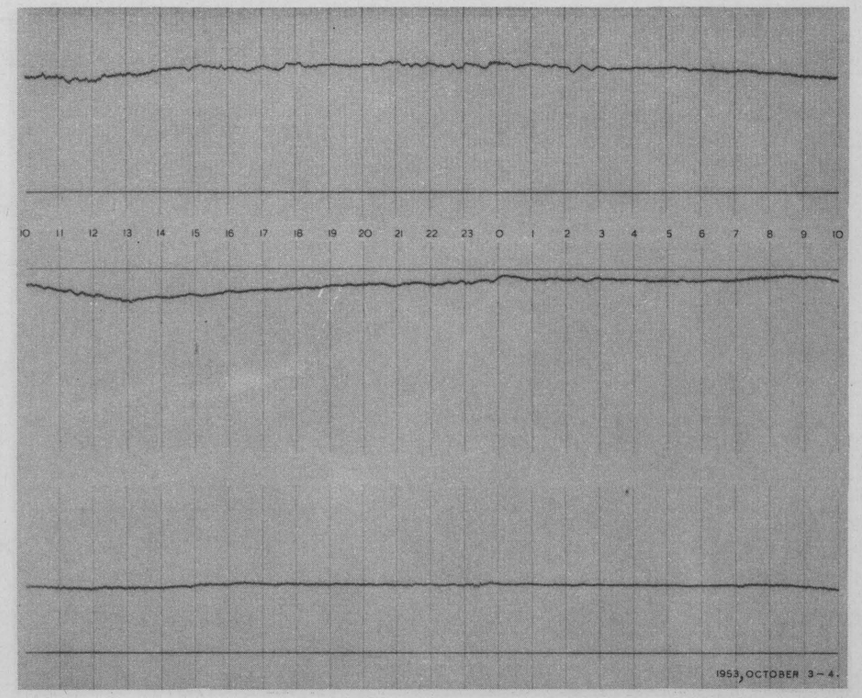
1953, OCTOBER 2-3.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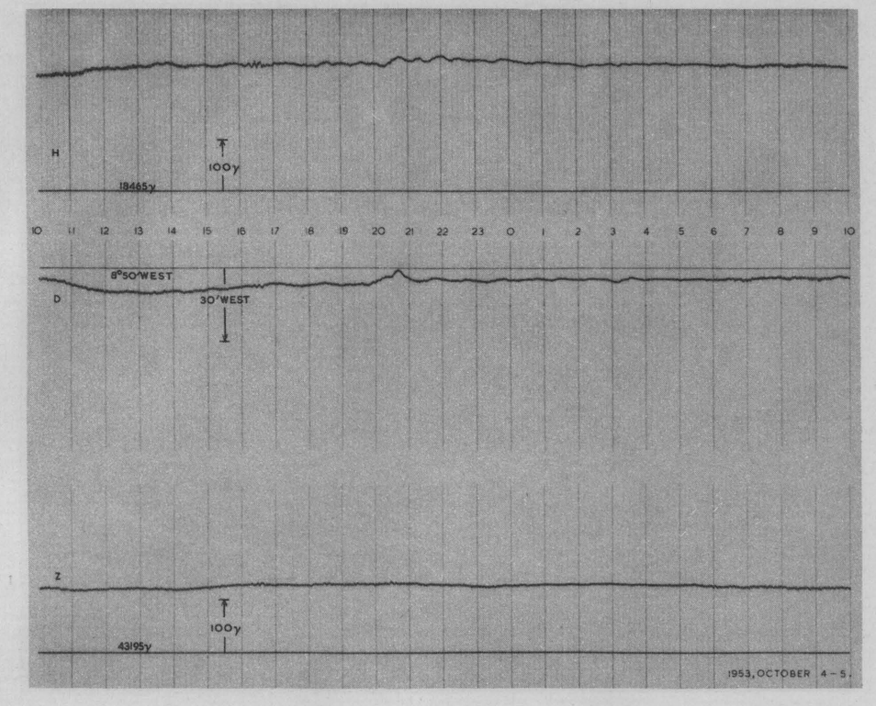
1953, OCTOBER 3-4.


H
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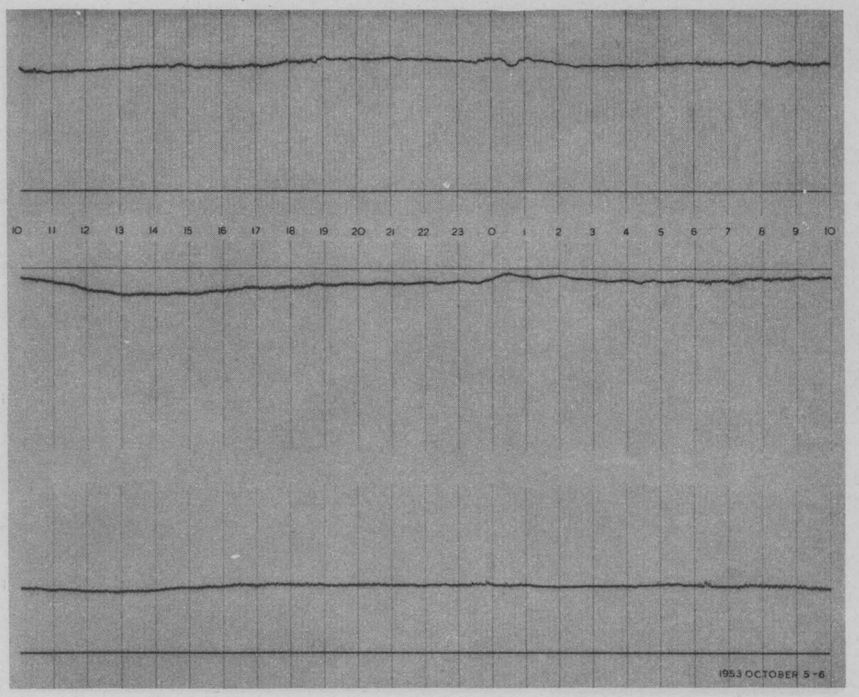
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953, OCTOBER 4 – 5.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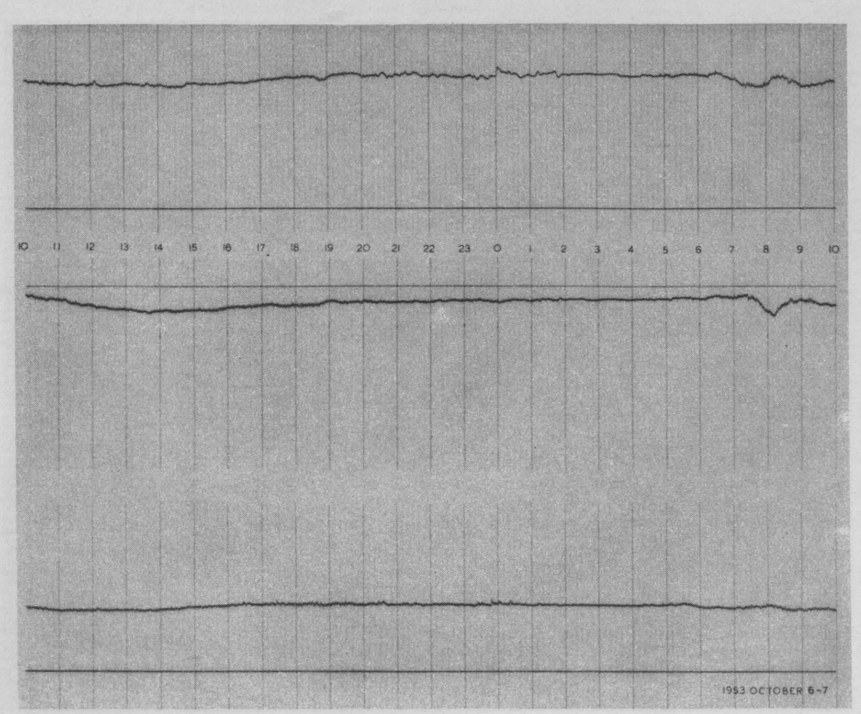
1953 OCTOBER 5-6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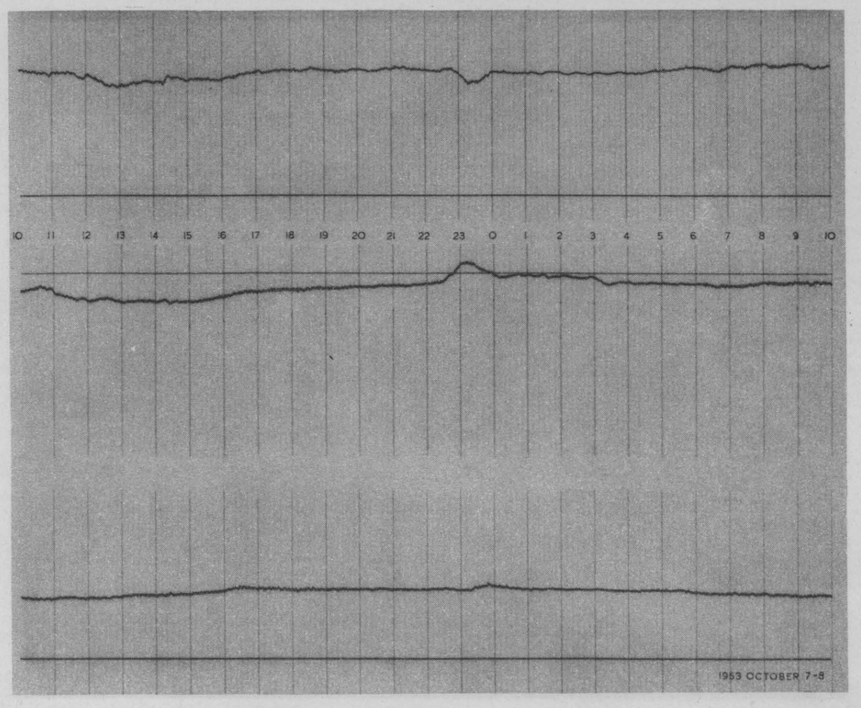
1953 OCTOBER 6-7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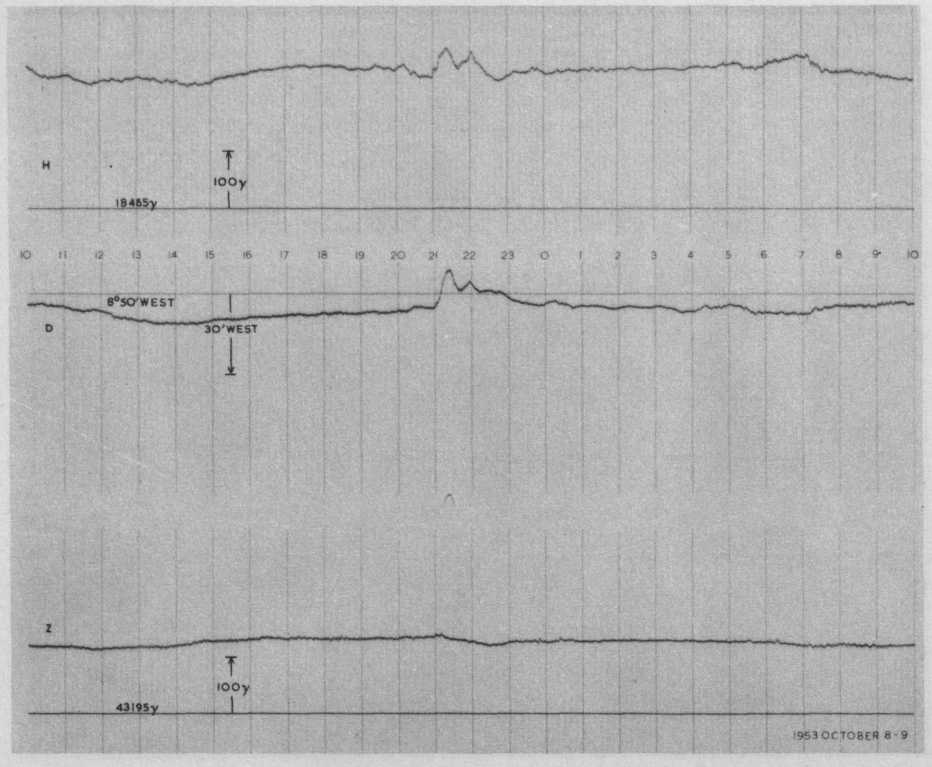
1953 OCTOBER 7-8


H
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18465γ
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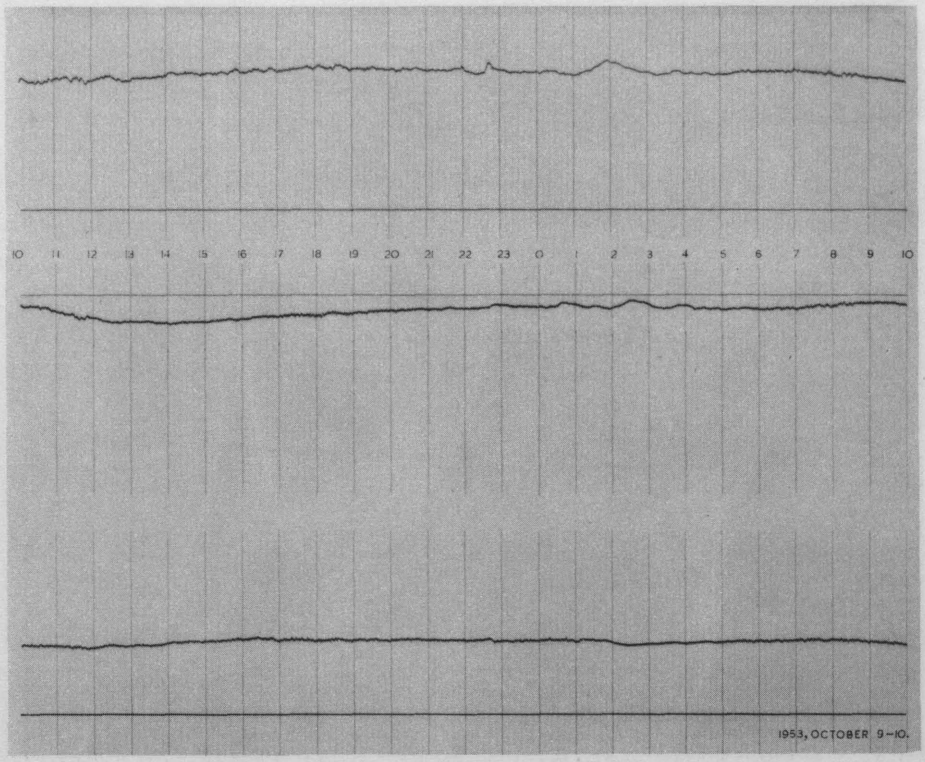
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953 OCTOBER 8-9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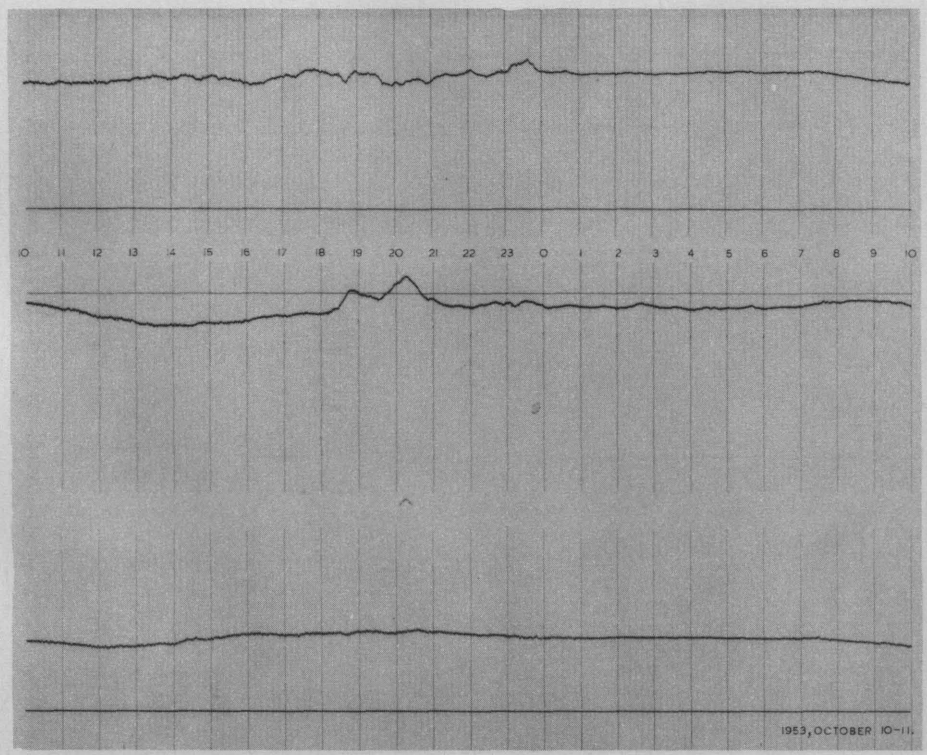
1953, OCTOBER 9-10.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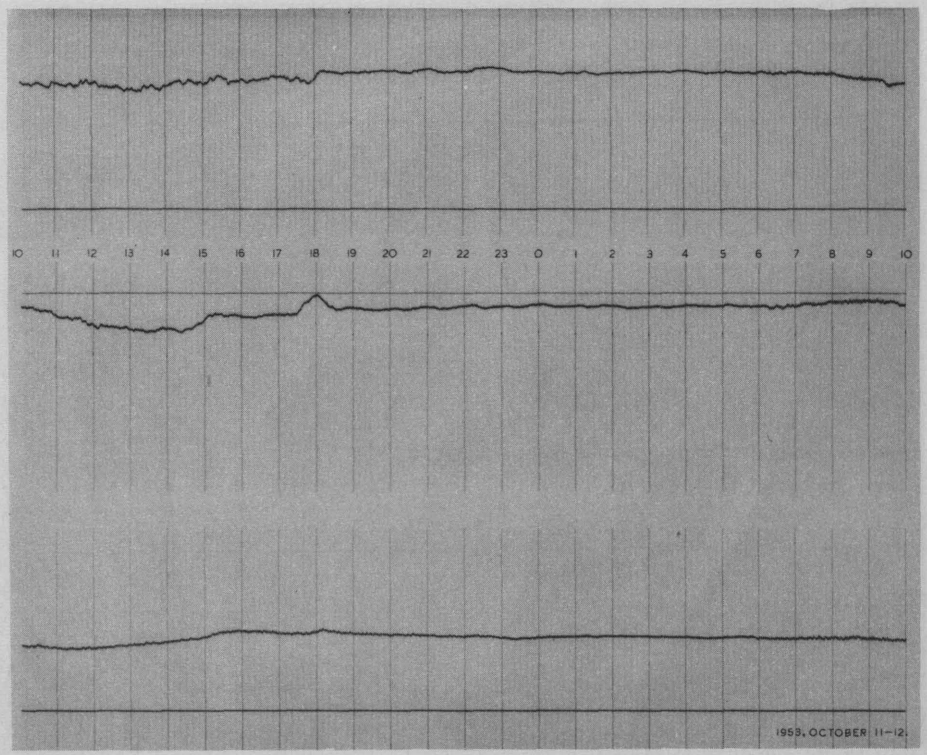
1953, OCTOBER 10-11.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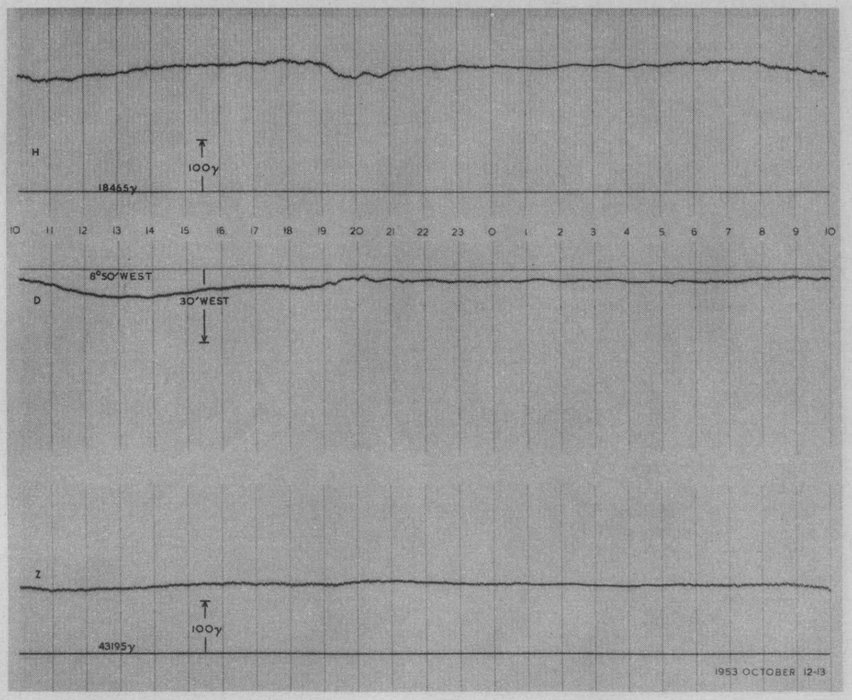
1953, OCTOBER 11-12.


H
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18465γ
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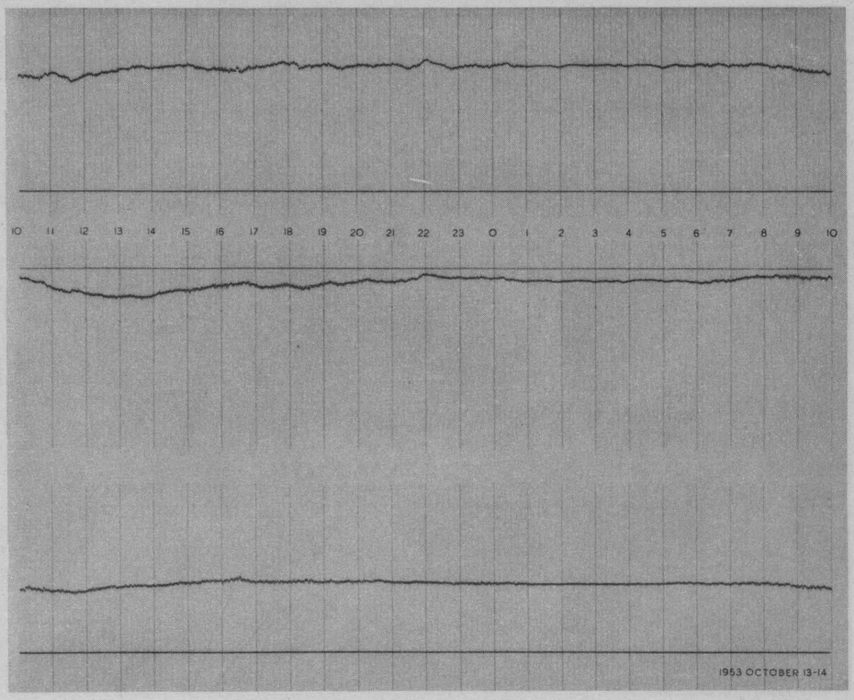
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953 OCTOBER 12-13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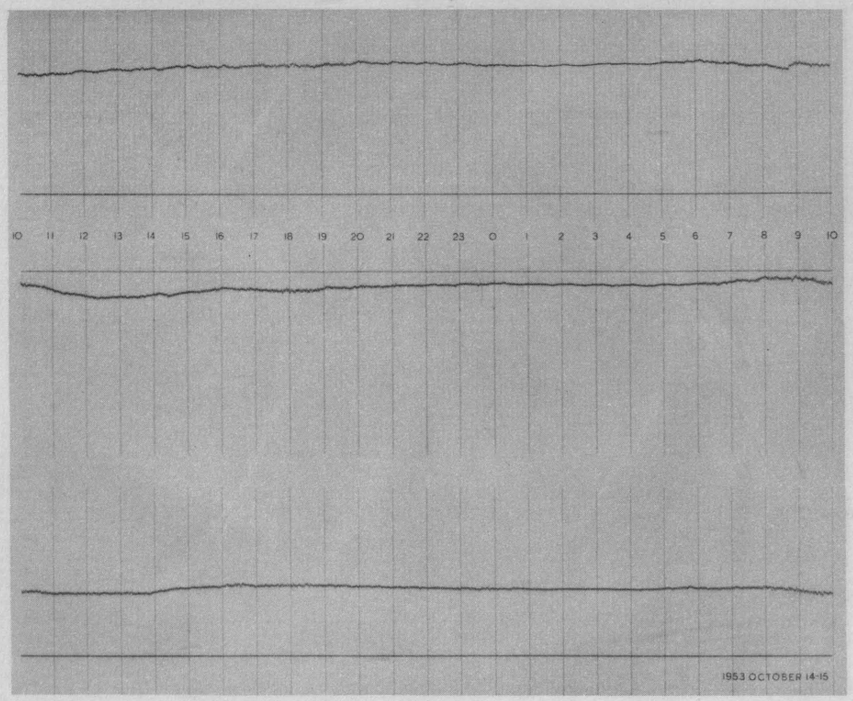
1953 OCTOBER 13-14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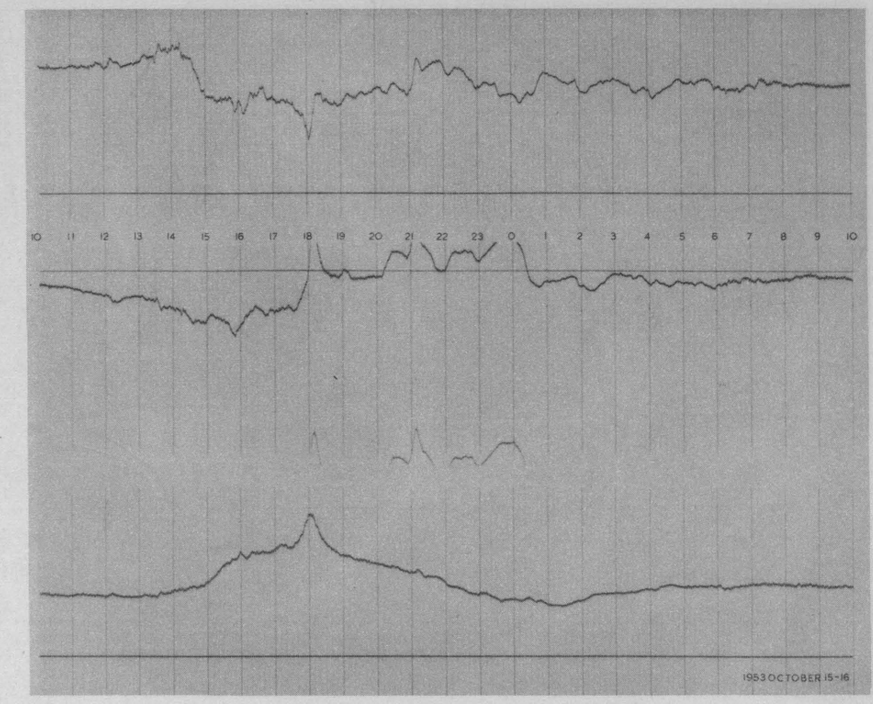
1953 OCTOBER 14-15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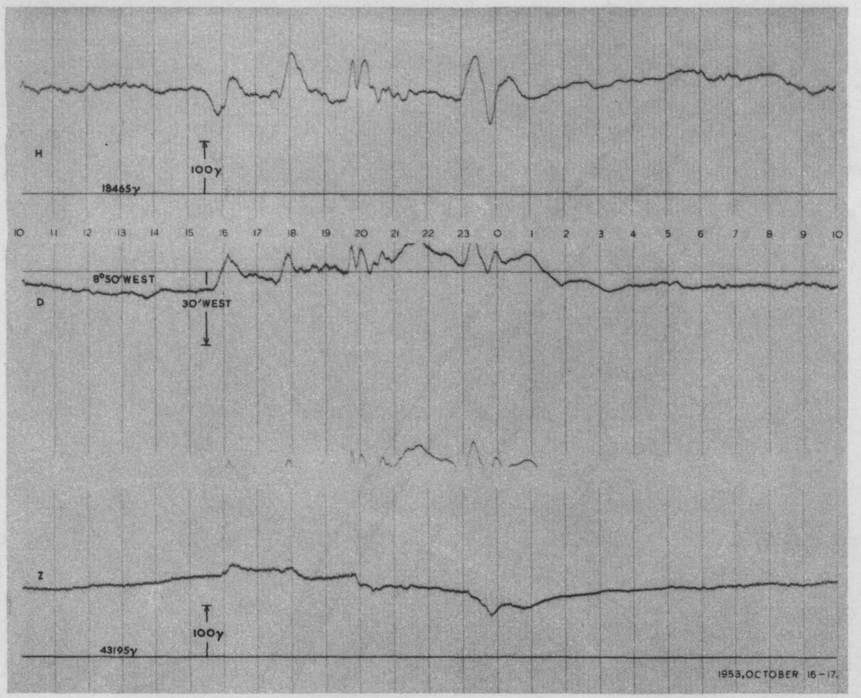
1953 OCTOBER 15-16


H
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18465γ
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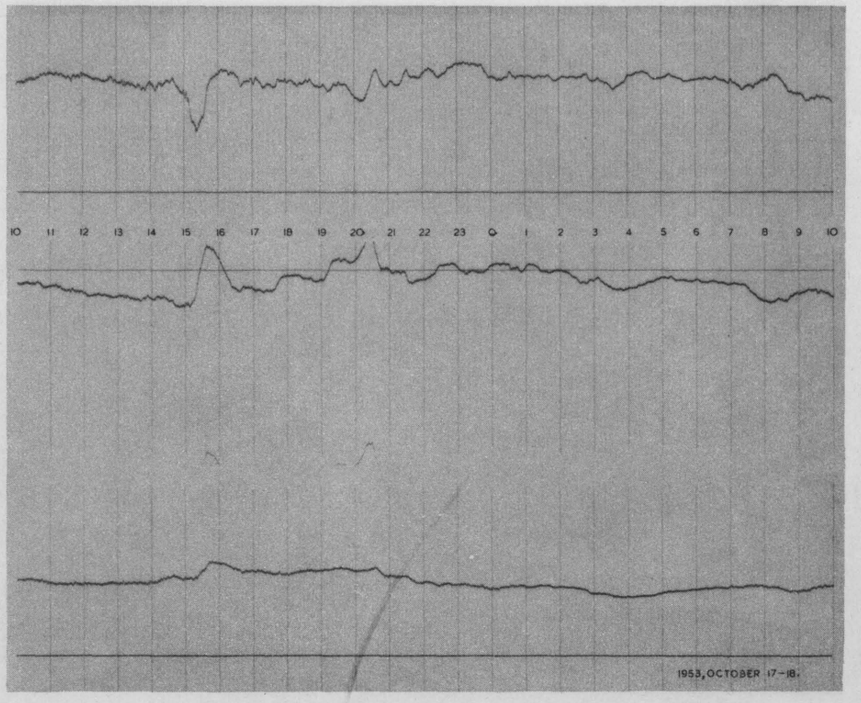
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953, OCTOBER 16-17.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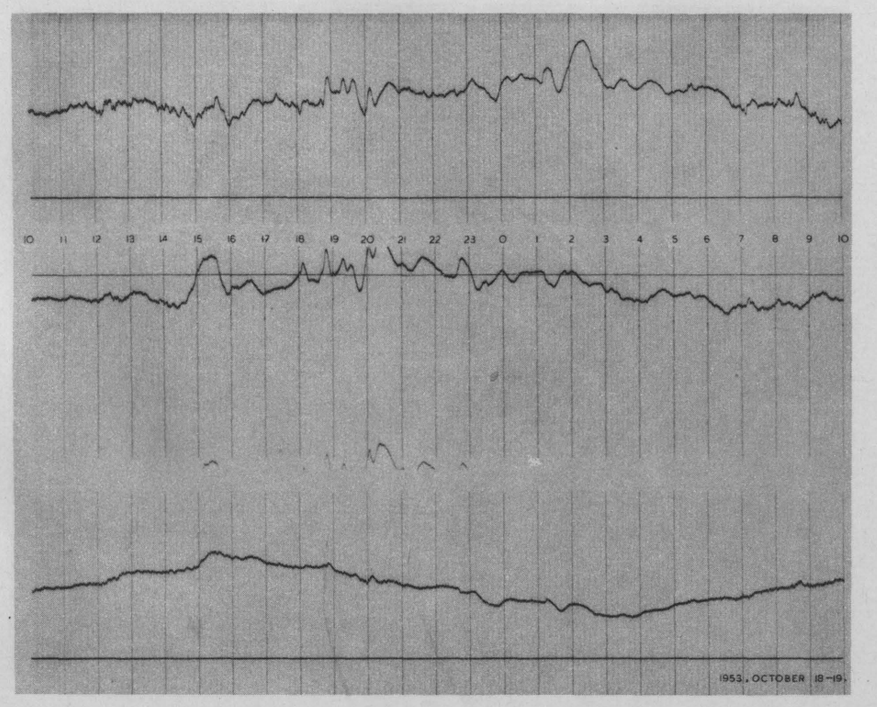
1953, OCTOBER 17-18.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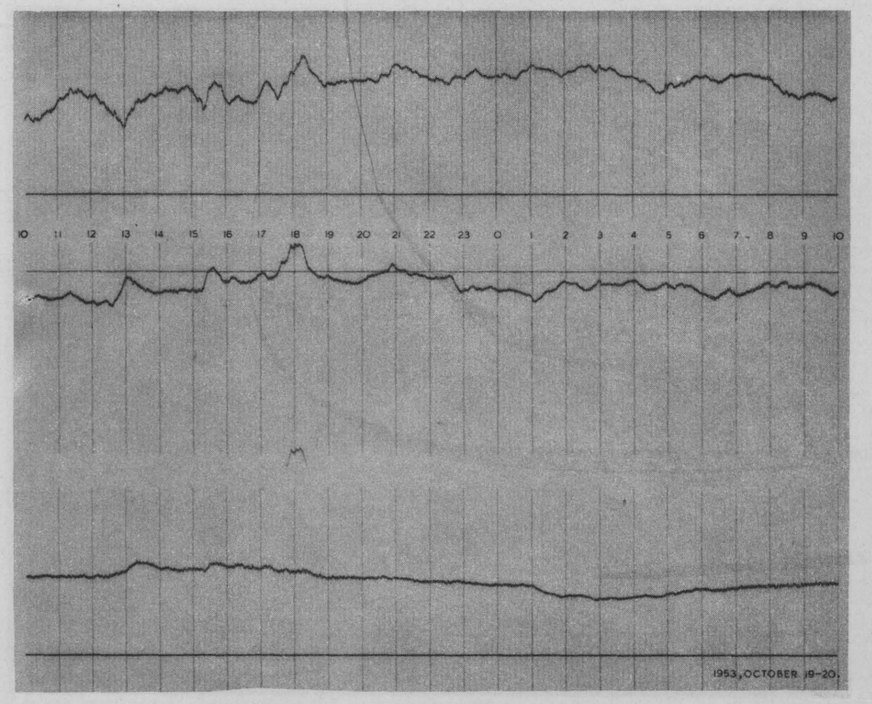
1953, OCTOBER 18-19.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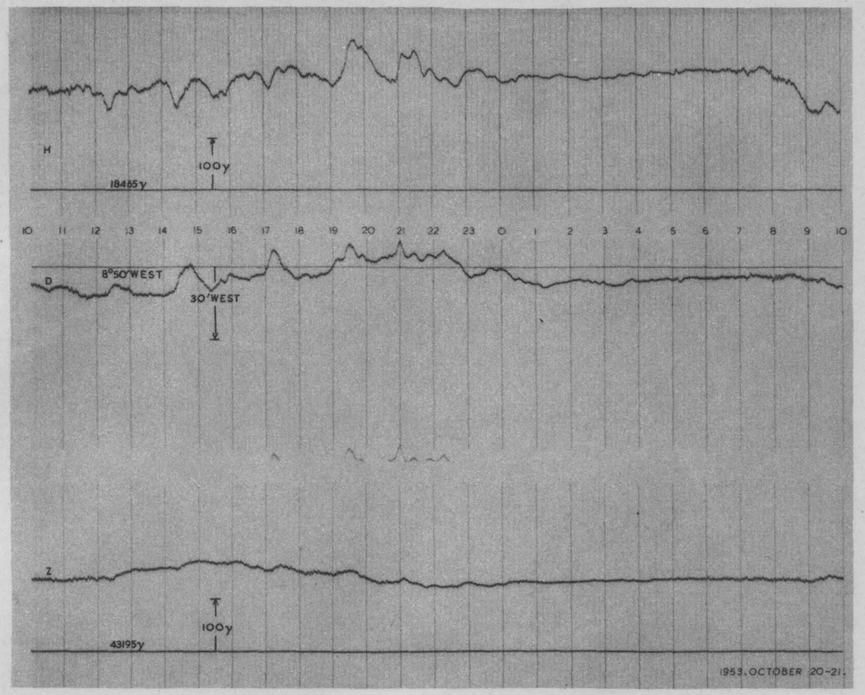
1953, OCTOBER 19-20.


H
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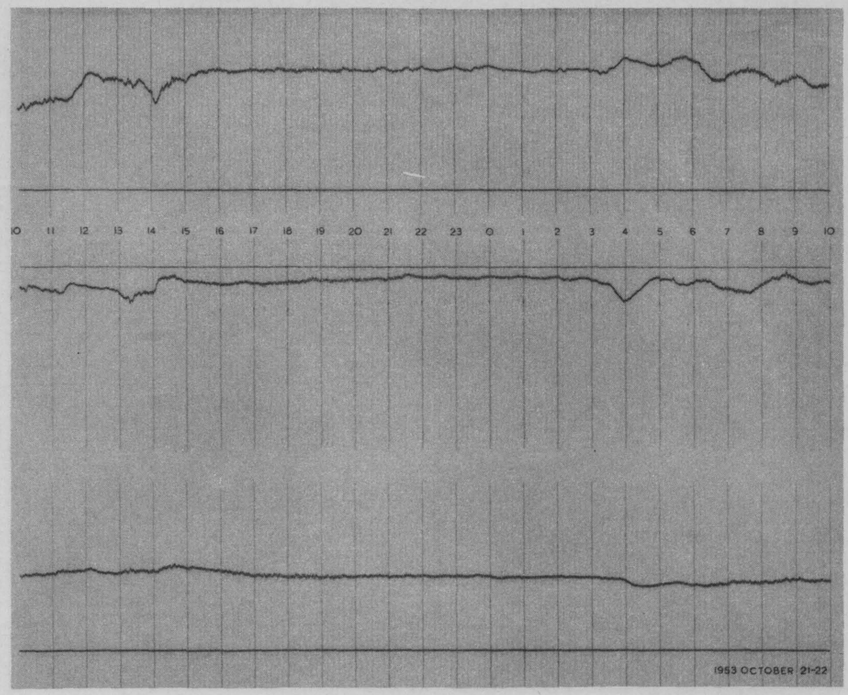
18485γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
D
8°50'WEST
30'WEST
Z
100γ
43195γ
1953. OCTOBER 20-21.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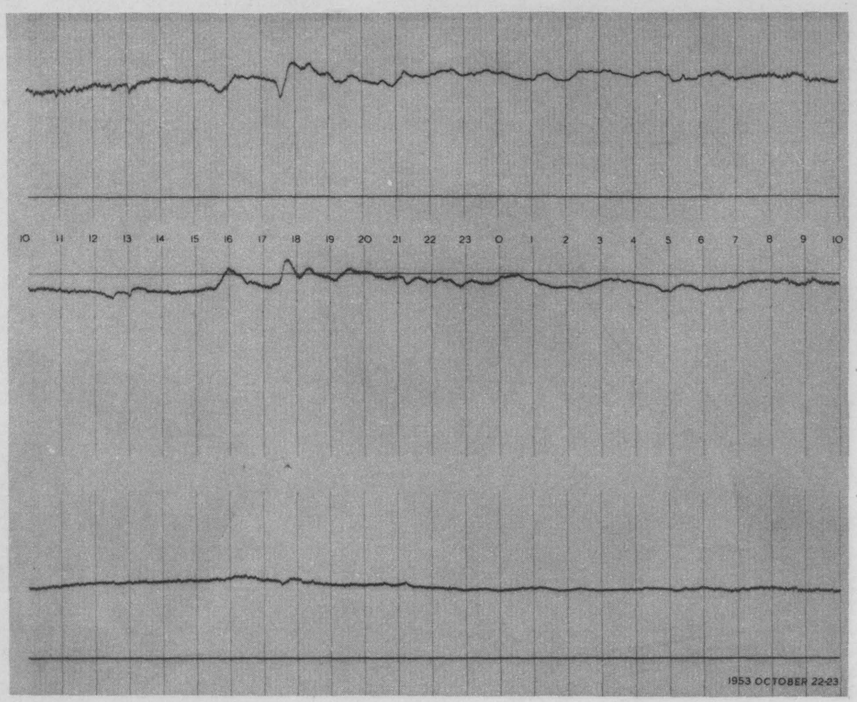
1953 OCTOBER 21-22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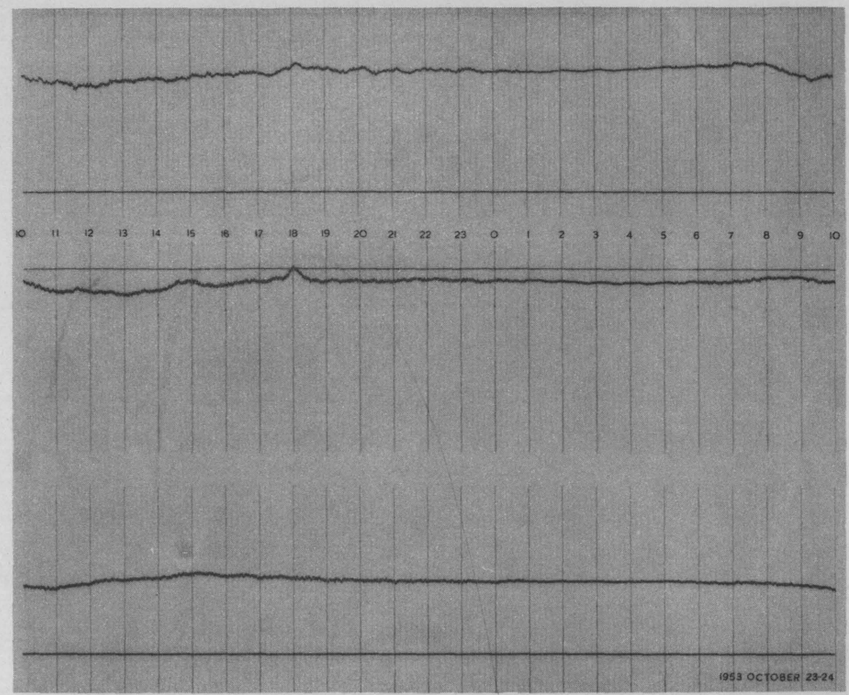
1953 OCTOBER 22-23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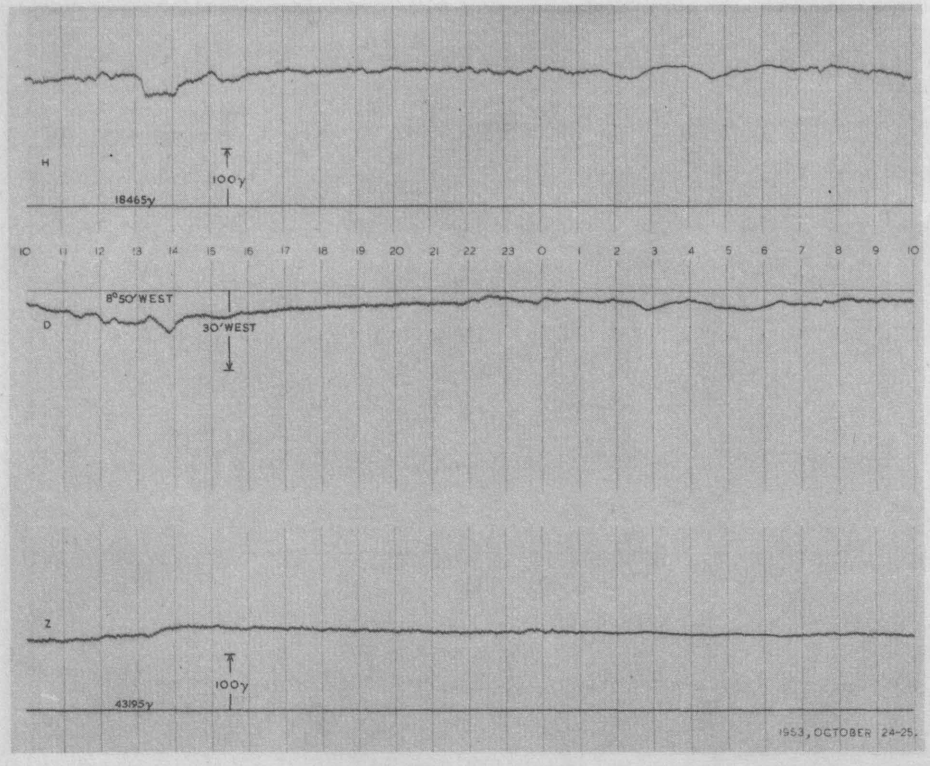
1953 OCTOBER 23-24


H
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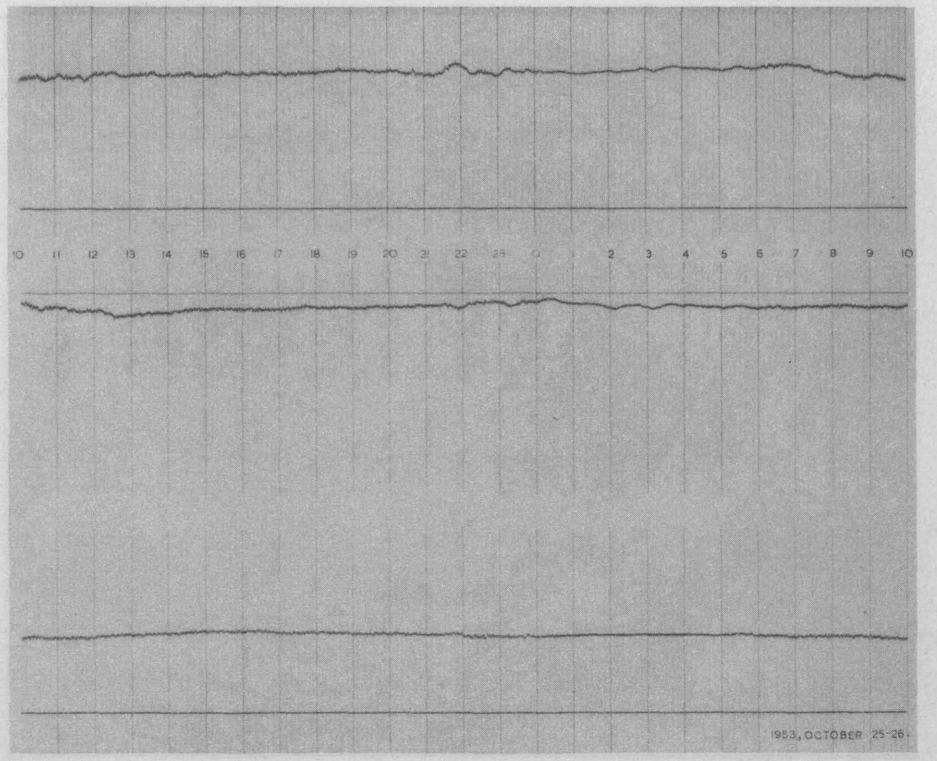
18465γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°50' WEST
D
30' WEST
Z
100γ
43195γ
1953, OCTOBER 24-25.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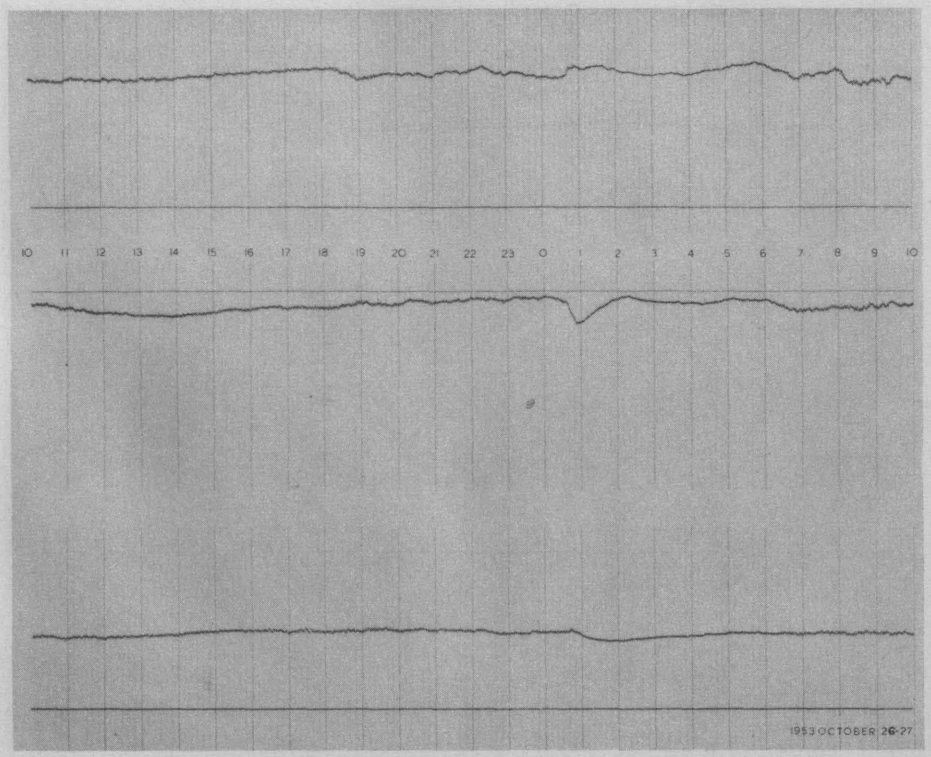
1953, OCTOBER 25-26.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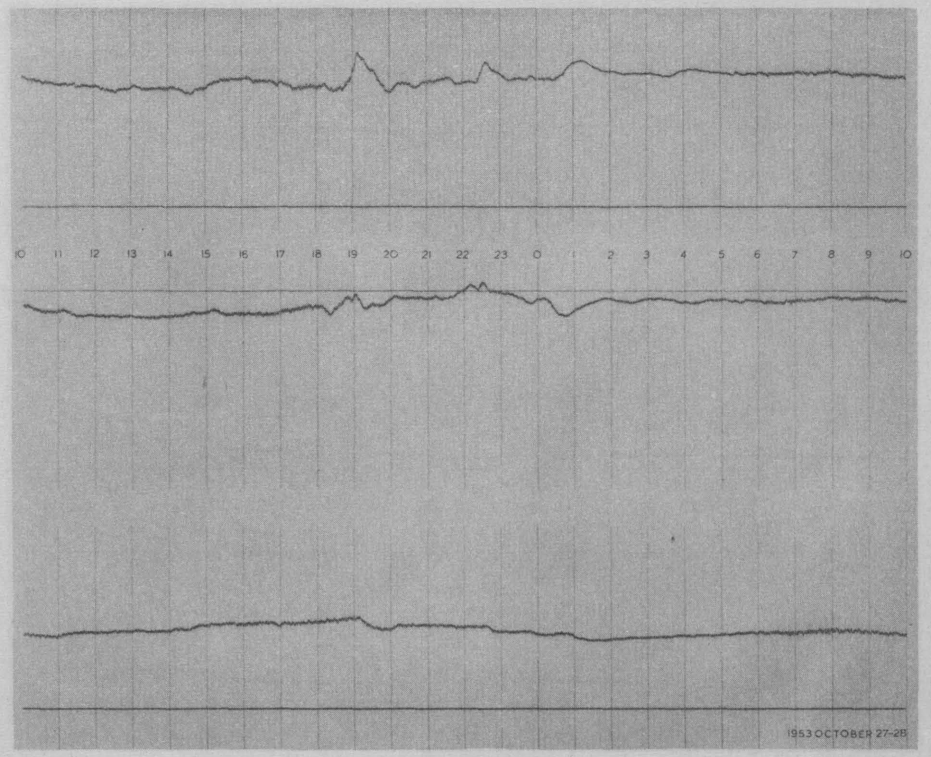
1953 OCTOBER 26-27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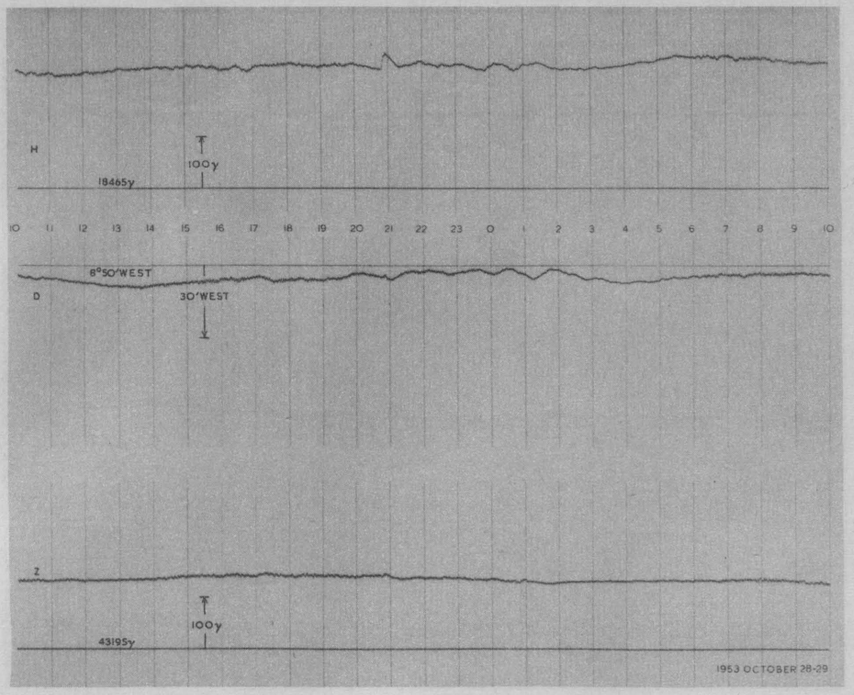
1953 OCTOBER 27-28


H
100γ
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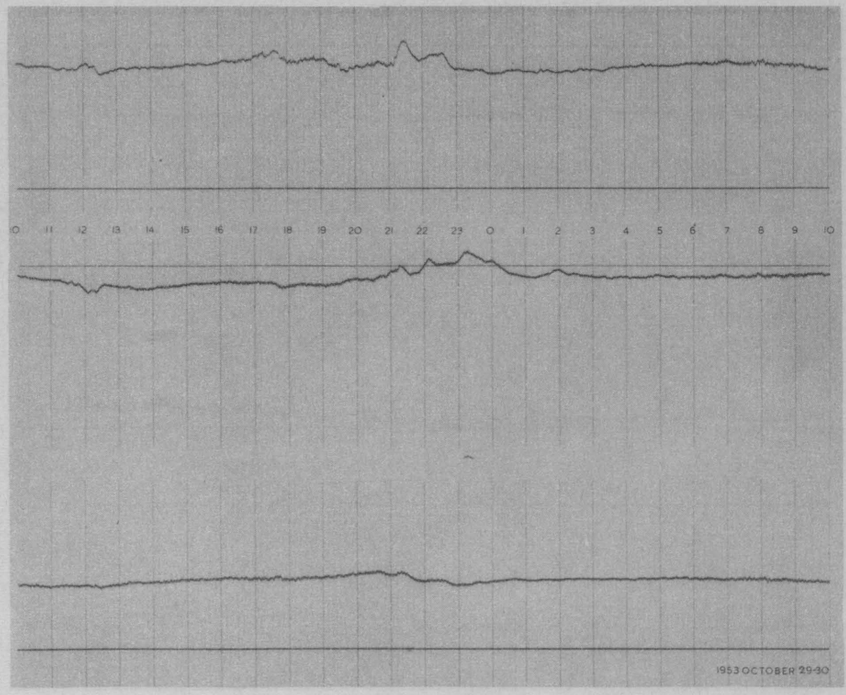
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953 OCTOBER 28-29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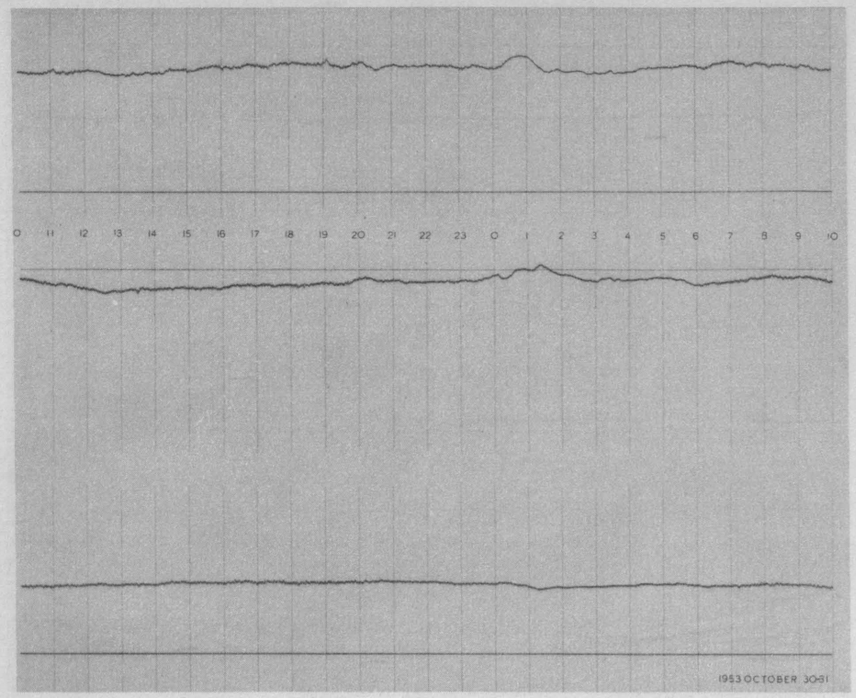
1953 OCTOBER 29-30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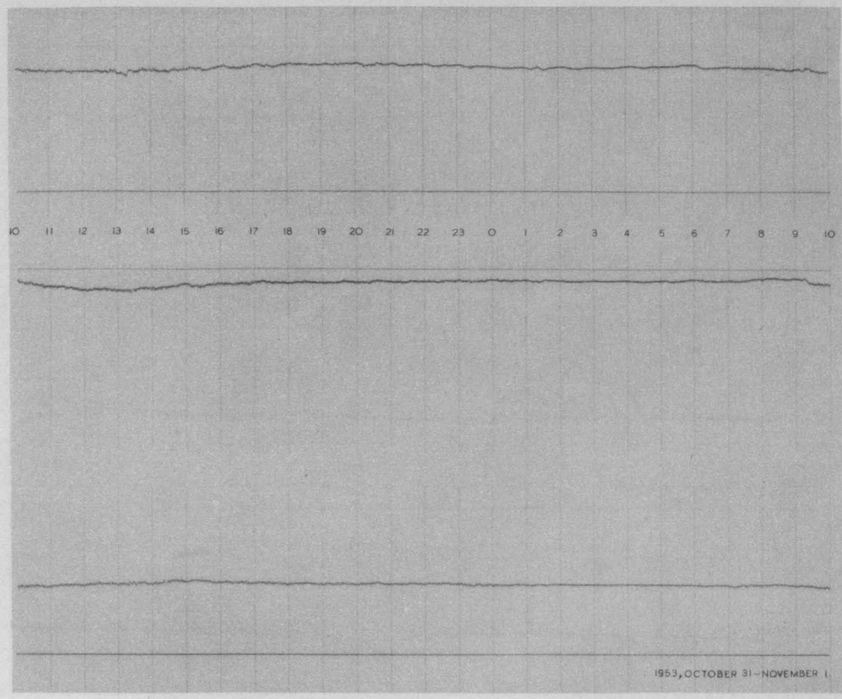
1953 OCTOBER 30-31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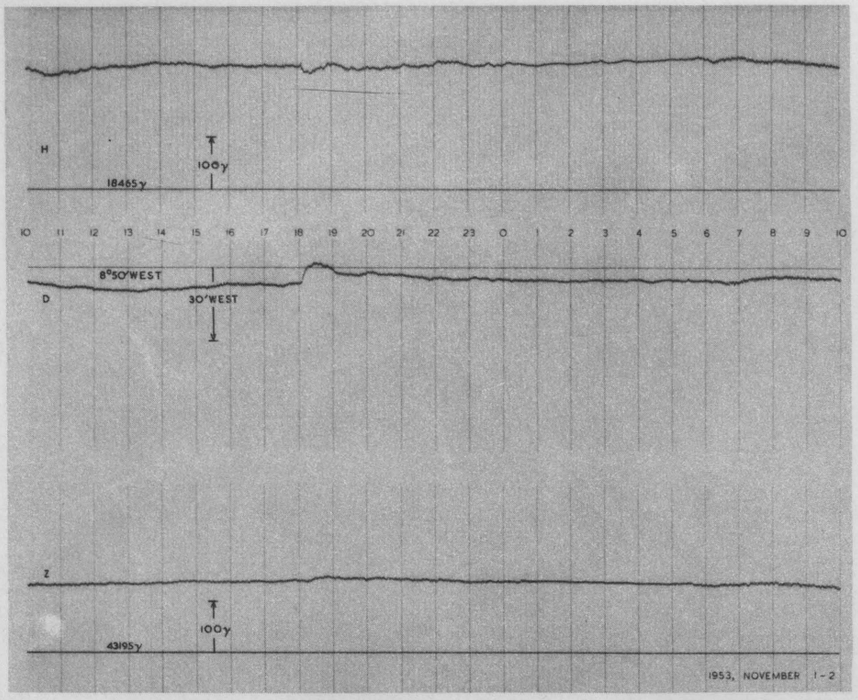
1953, OCTOBER 31-NOVEMBER 1.


H
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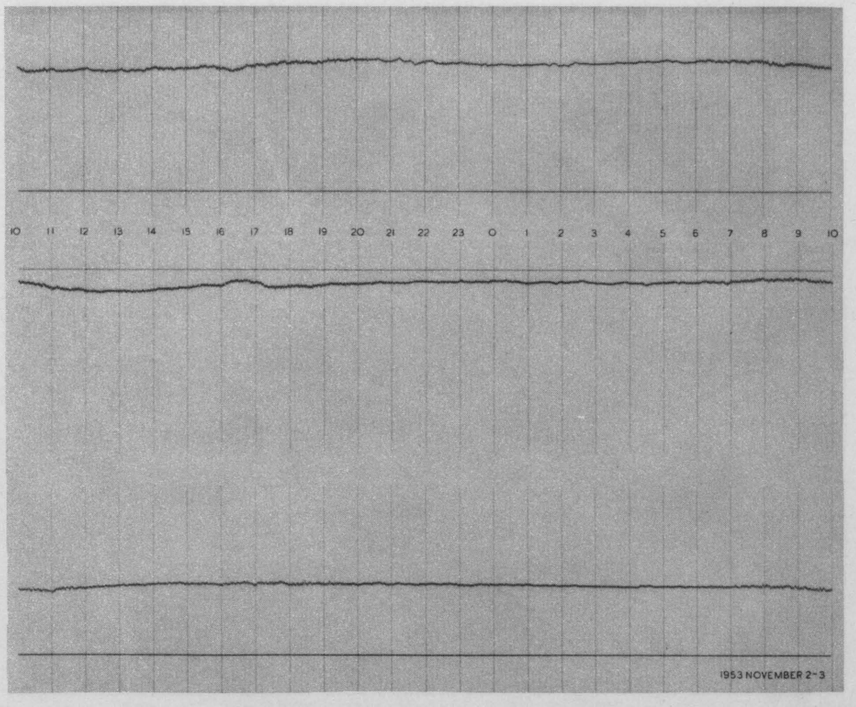
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°50'WEST
D
30'WEST
Z
43195γ
100γ
1953, NOVEMBER 1-2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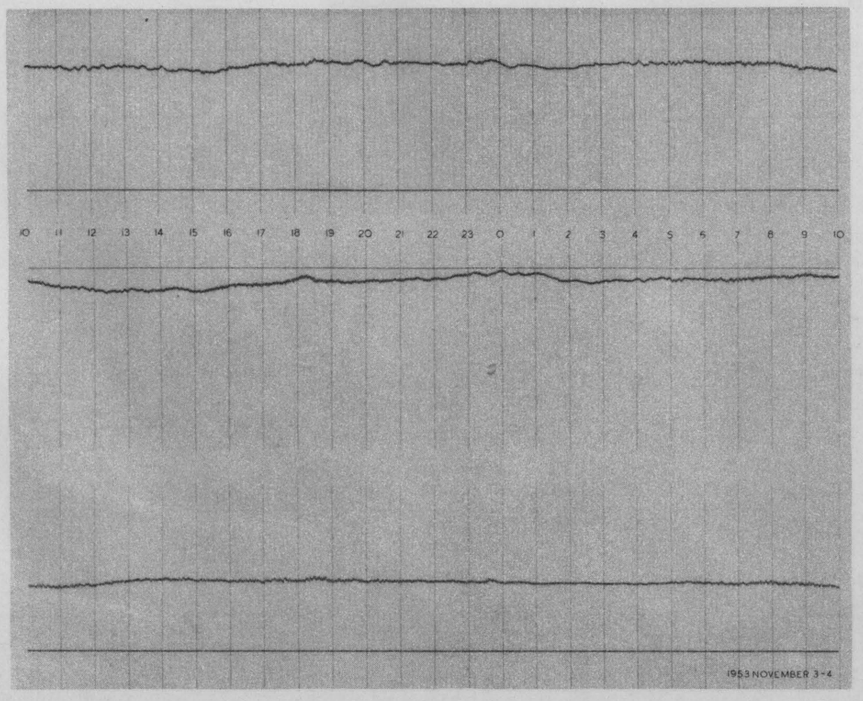
1953 NOVEMBER 2-3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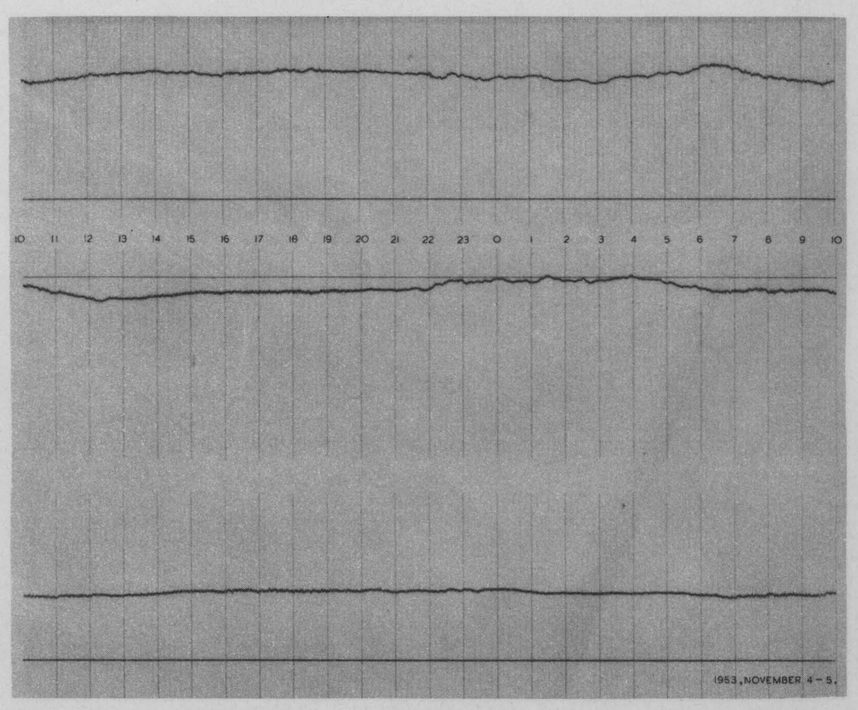
1953 NOVEMBER 3-4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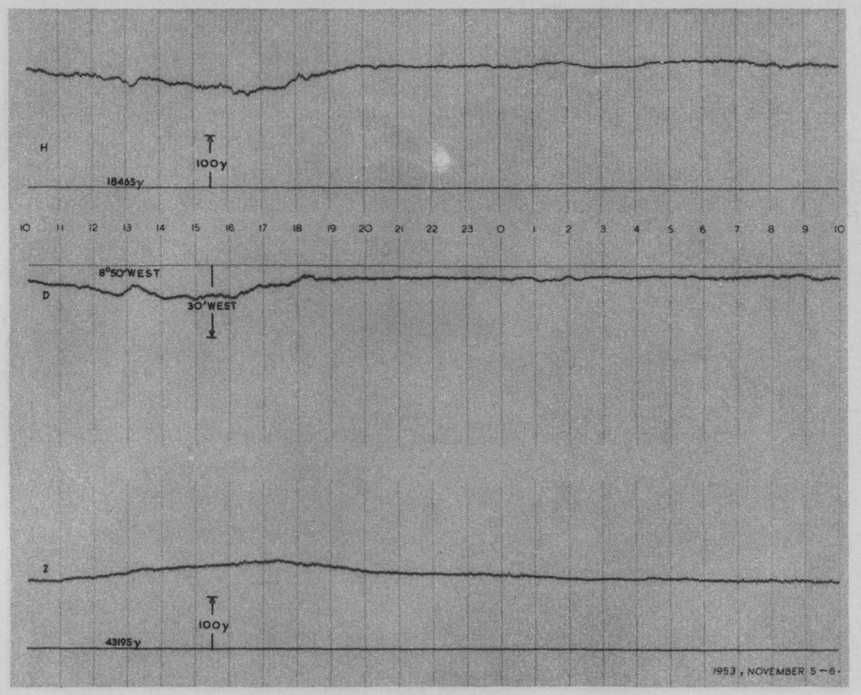
1953, NOVEMBER 4-5.


H
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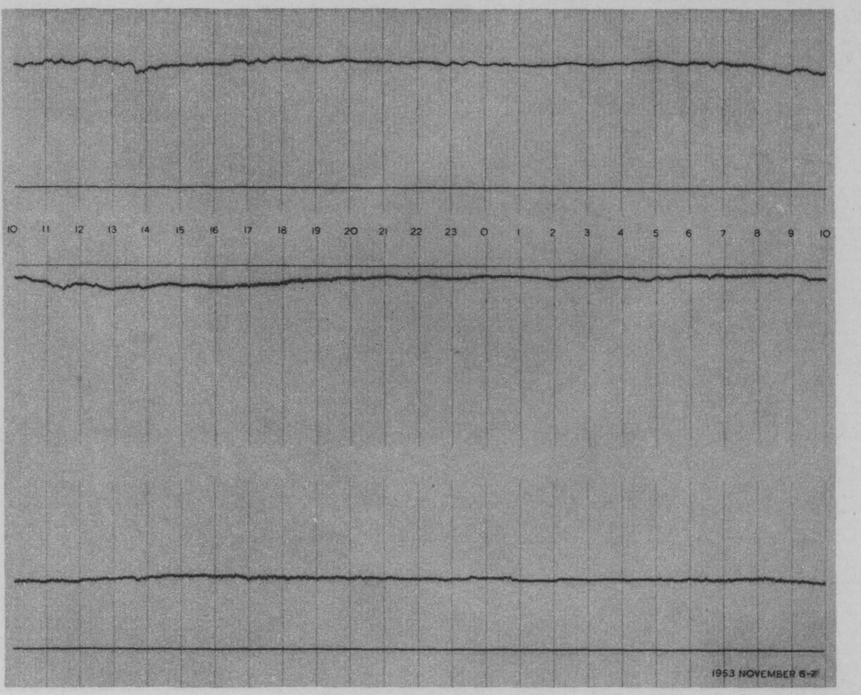
18465γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°50'WEST
D
30'WEST
Z
100γ
43195γ
1953, NOVEMBER 5–6.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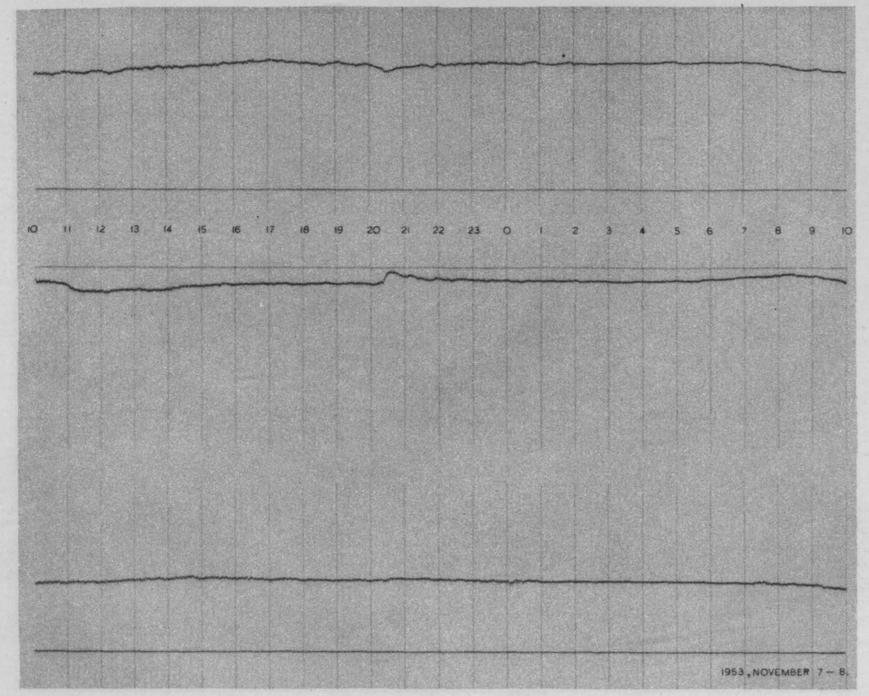
1953 NOVEMBER 6-7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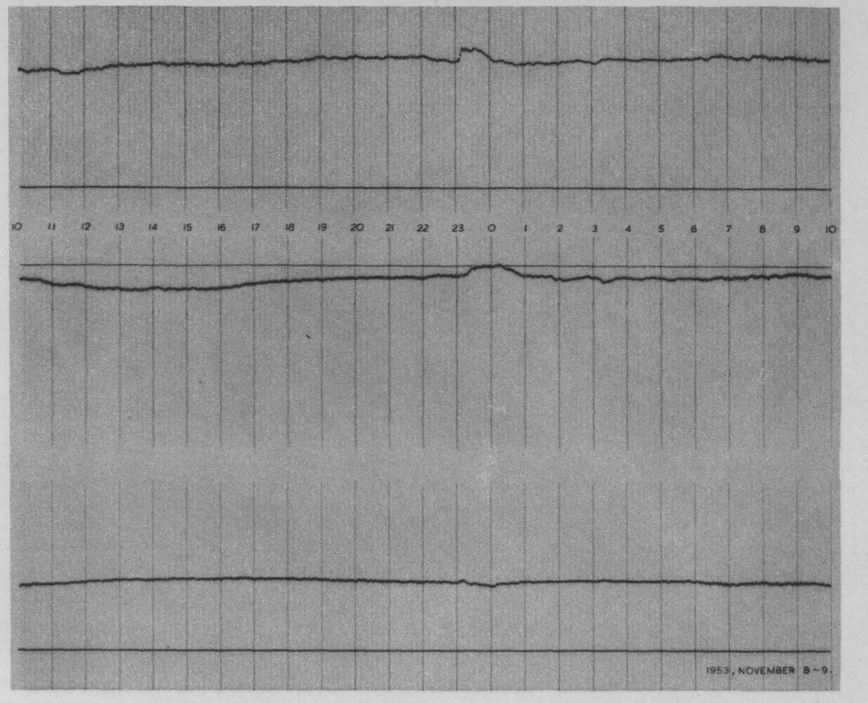
1953, NOVEMBER 7–8.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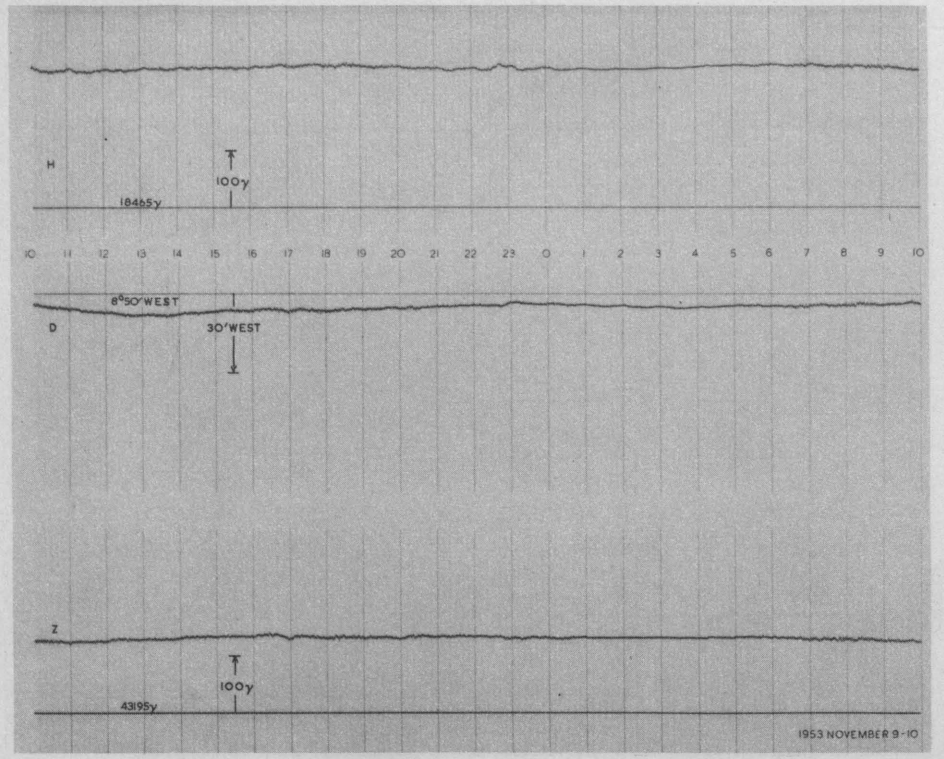
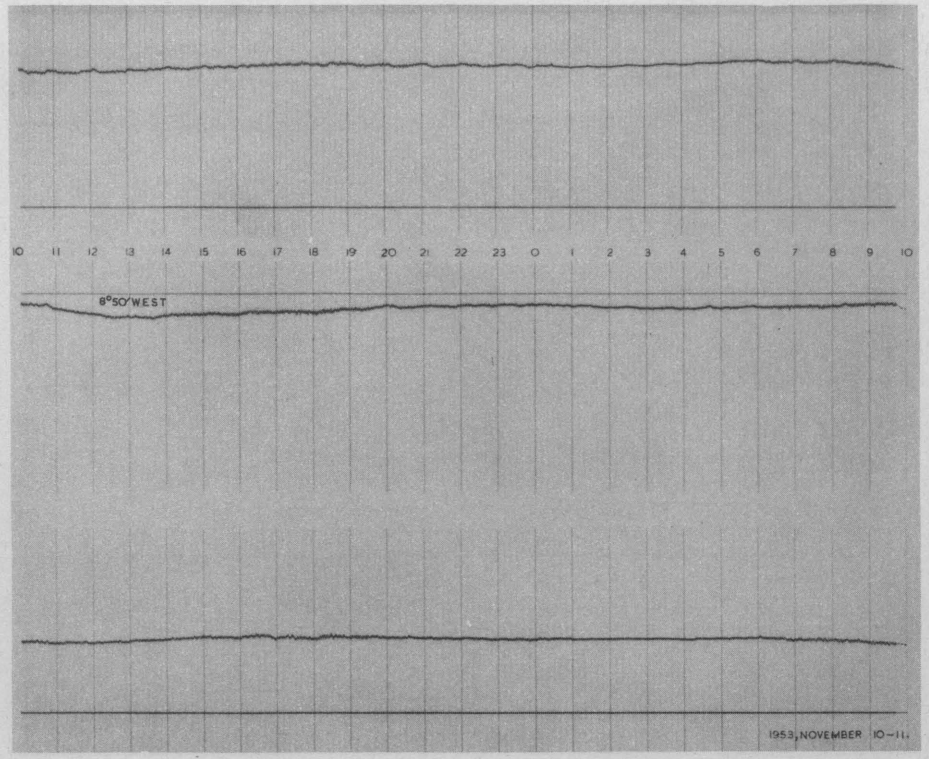
1953, NOVEMBER 8–9.


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
8°50′WEST
D
30′WEST
Z
100γ
43195γ
1953 NOVEMBER 9-10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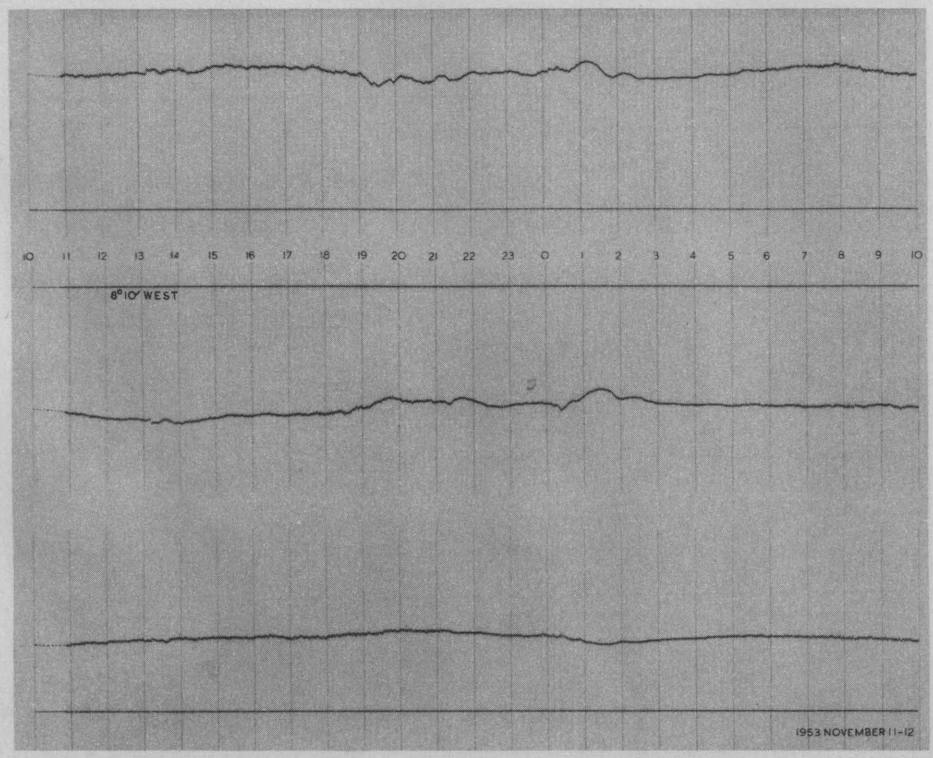
8°50′WEST
1953 NOVEMBER 10-11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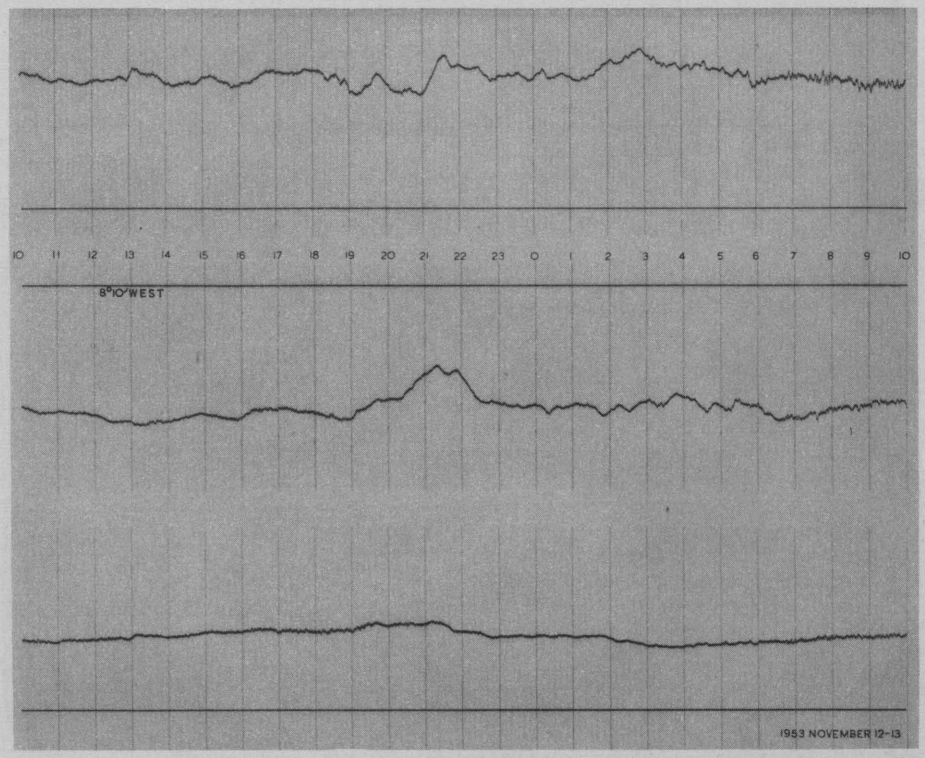
8°10′WEST
1953 NOVEMBER 11-12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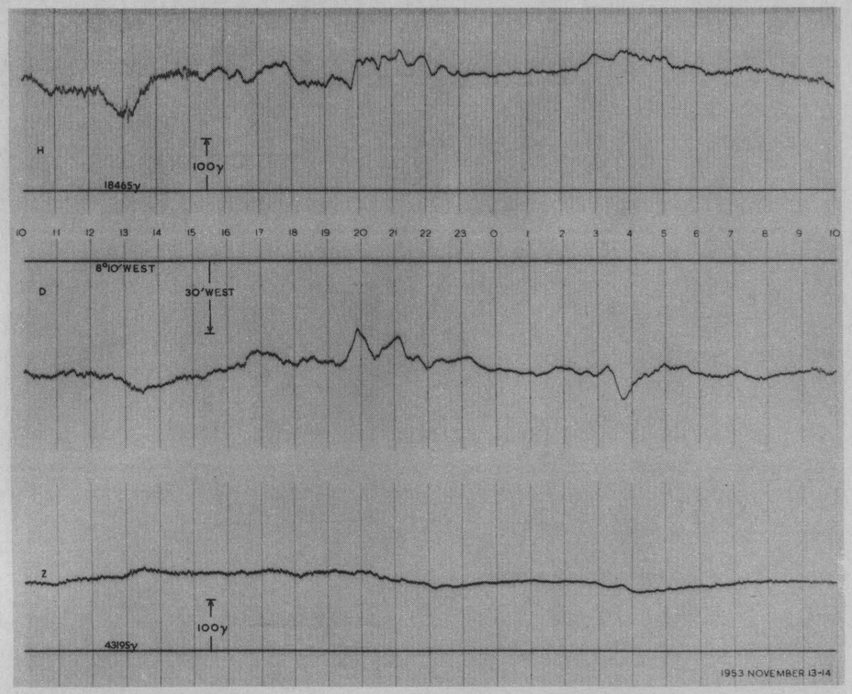
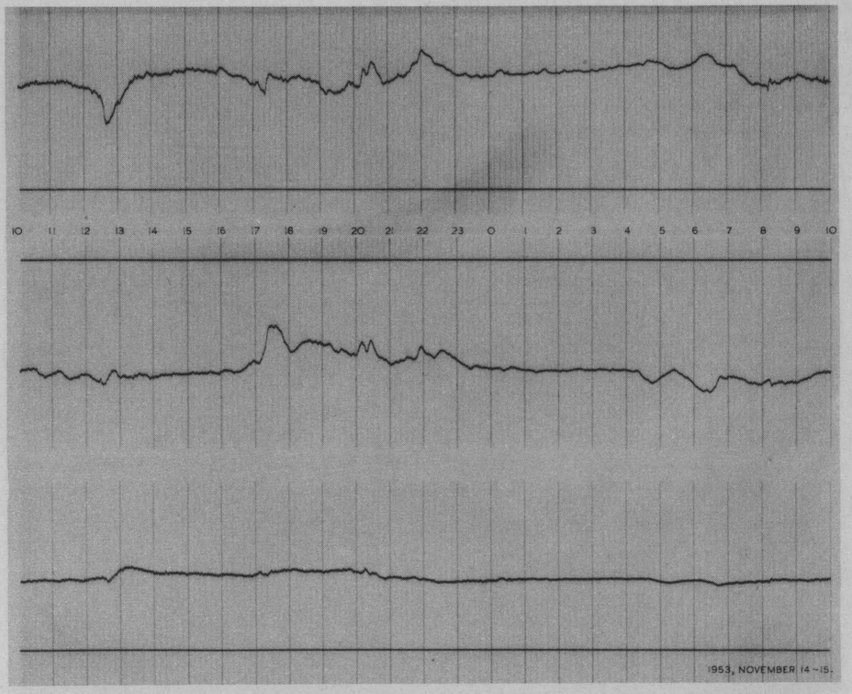
8°10′WEST
1953 NOVEMBER 12-13


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
8°10'WEST
D
30'WEST
Z
100γ
43195γ
1953 NOVEMBER 13-14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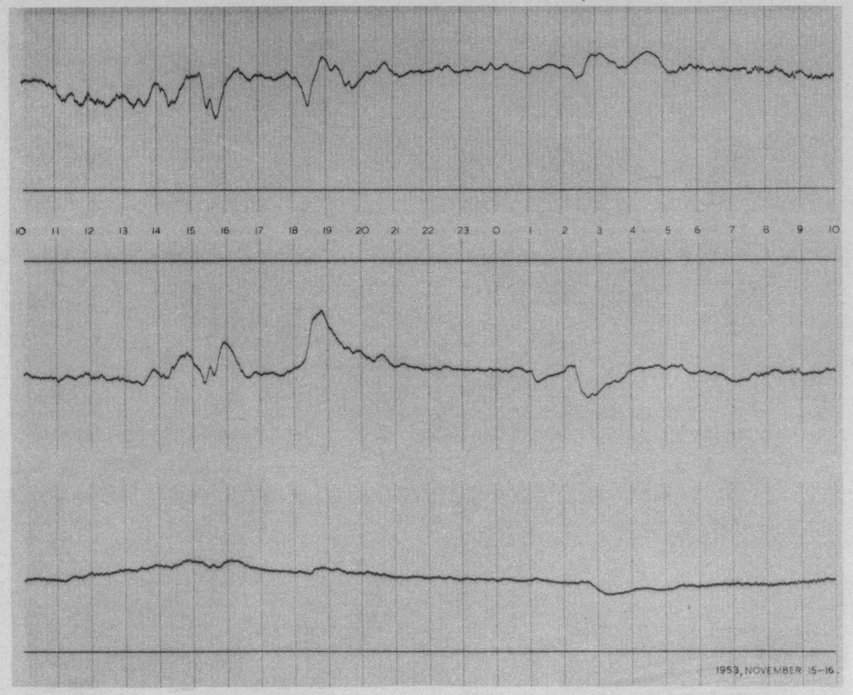
1953, NOVEMBER 14-15.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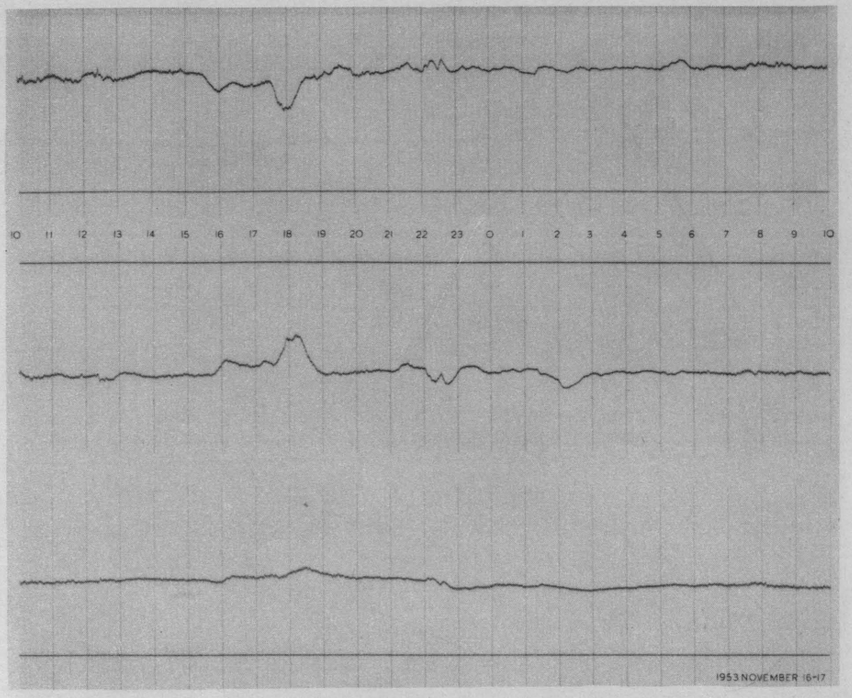
1953, NOVEMBER 15-16.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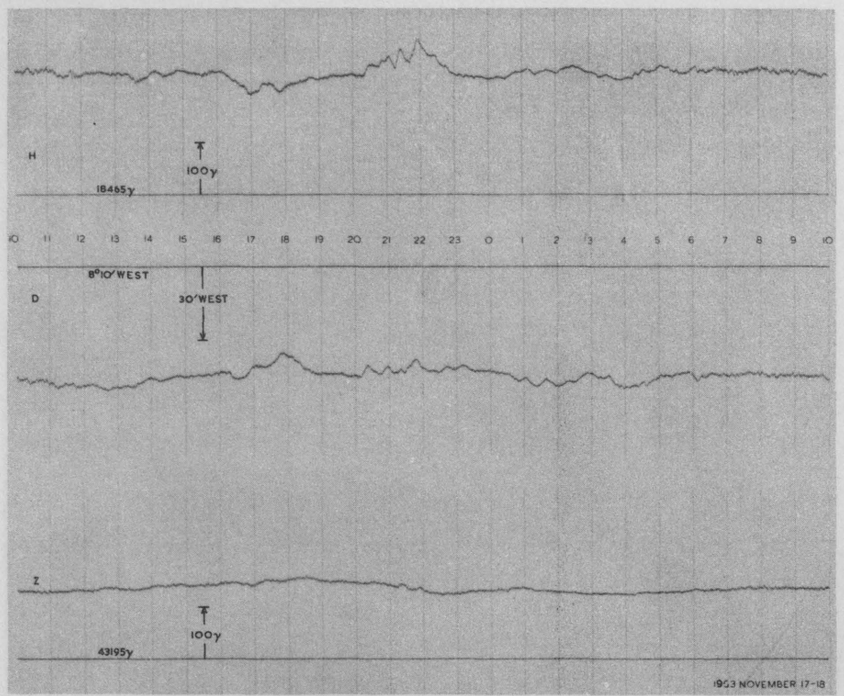
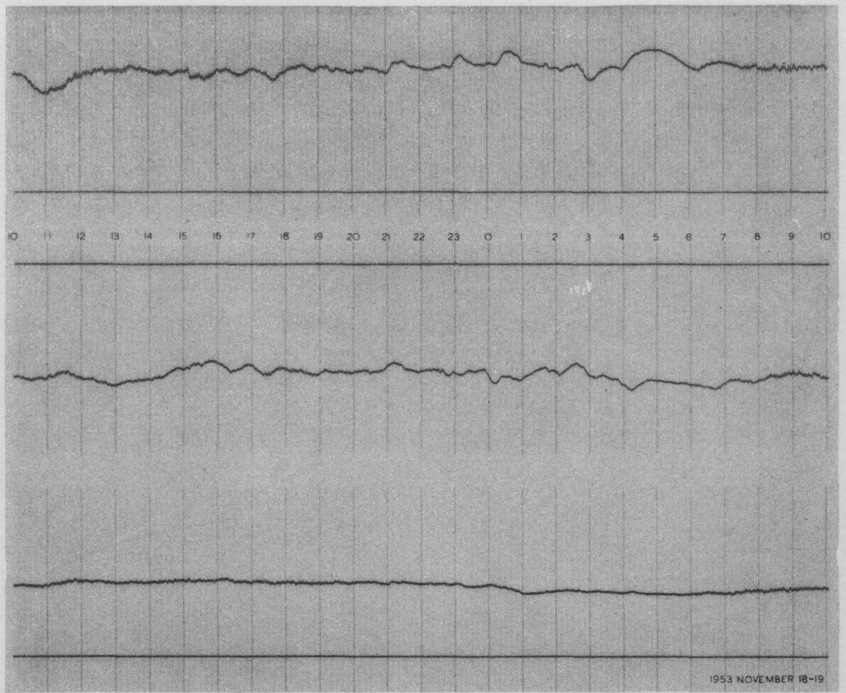
1953 NOVEMBER 16-17


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
8°10'WEST
D
30'WEST
Z
100γ
43195γ
1953 NOVEMBER 17-18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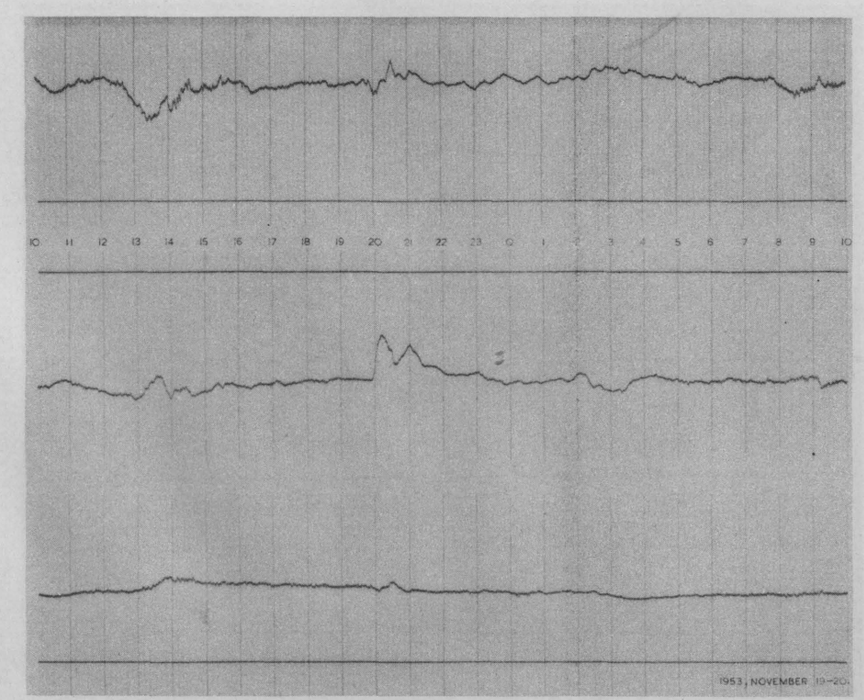
1953 NOVEMBER 18-19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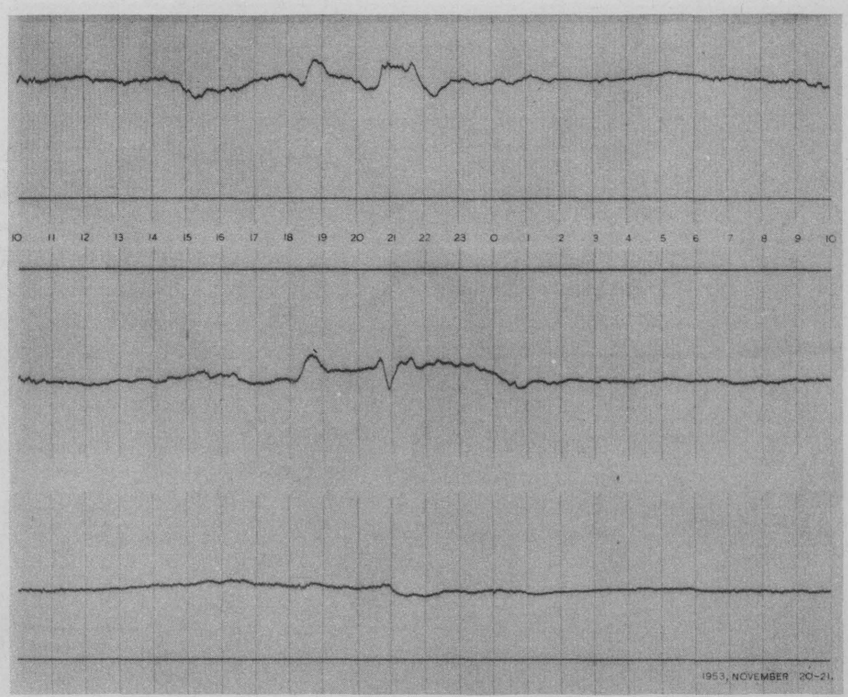
1953, NOVEMBER 19-20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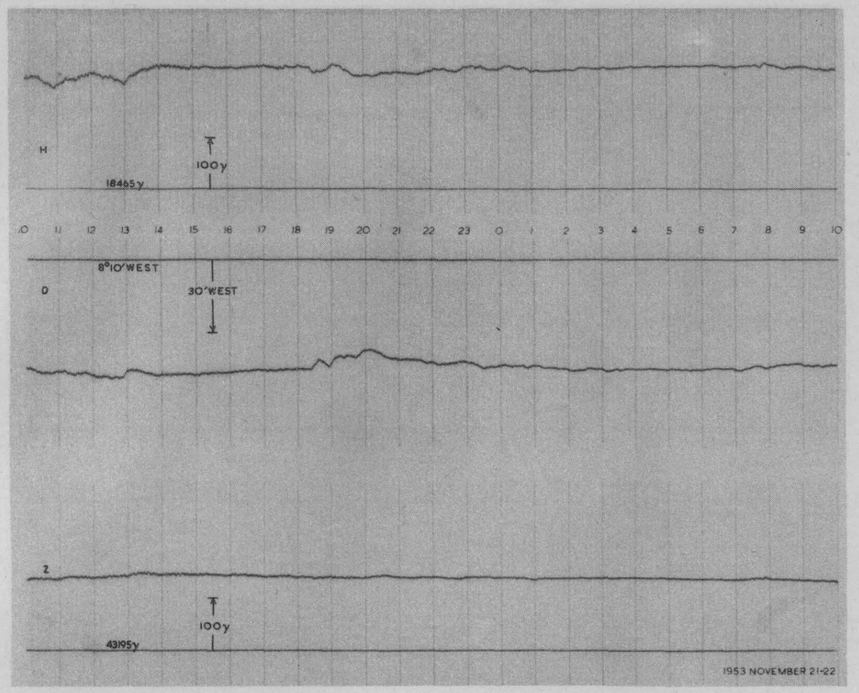
1953, NOVEMBER 20-21


H
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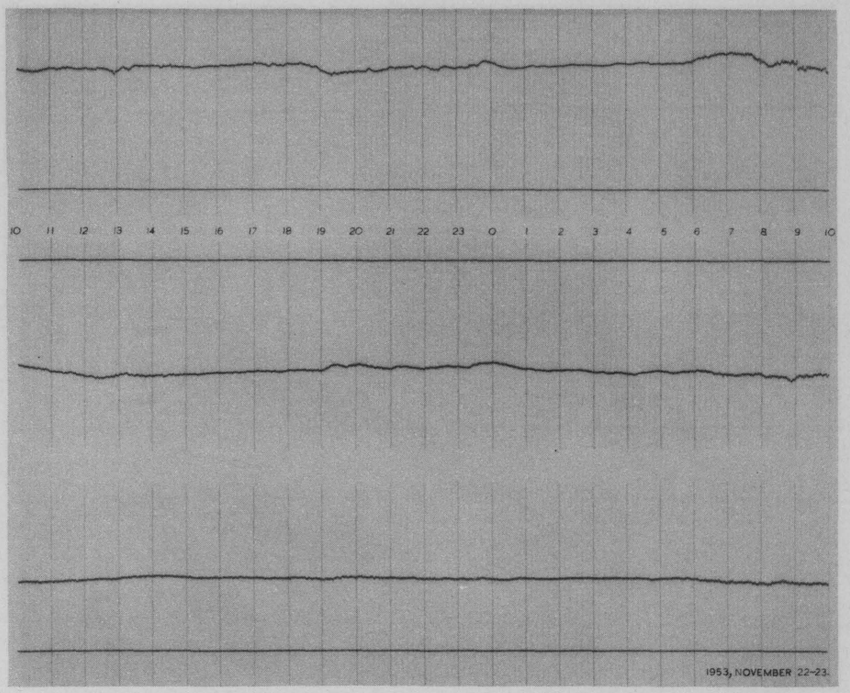
18465γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°10'WEST
D
30'WEST
Z
100γ
43195γ
1953 NOVEMBER 21-22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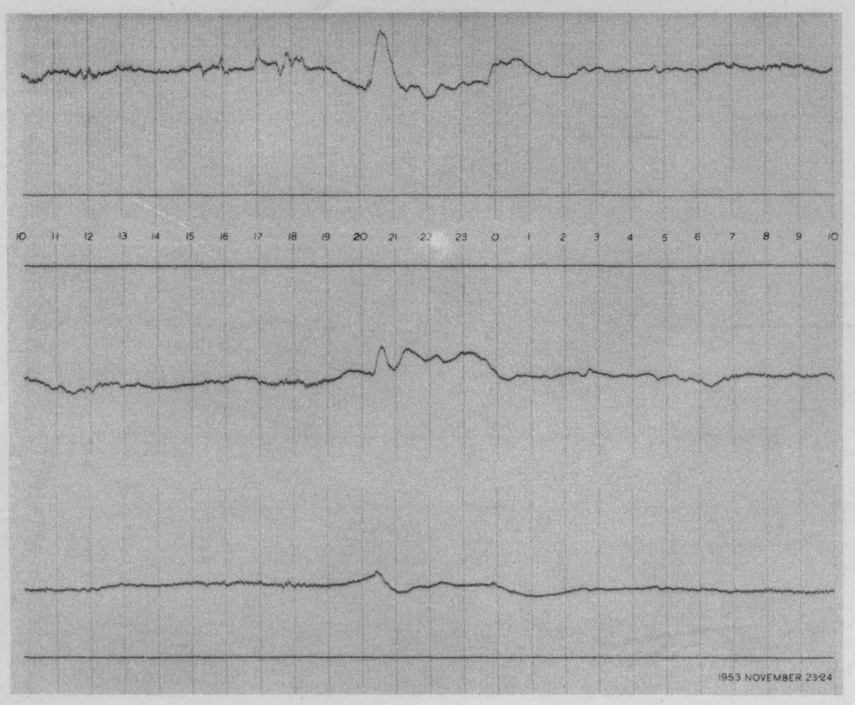
1953, NOVEMBER 22-23.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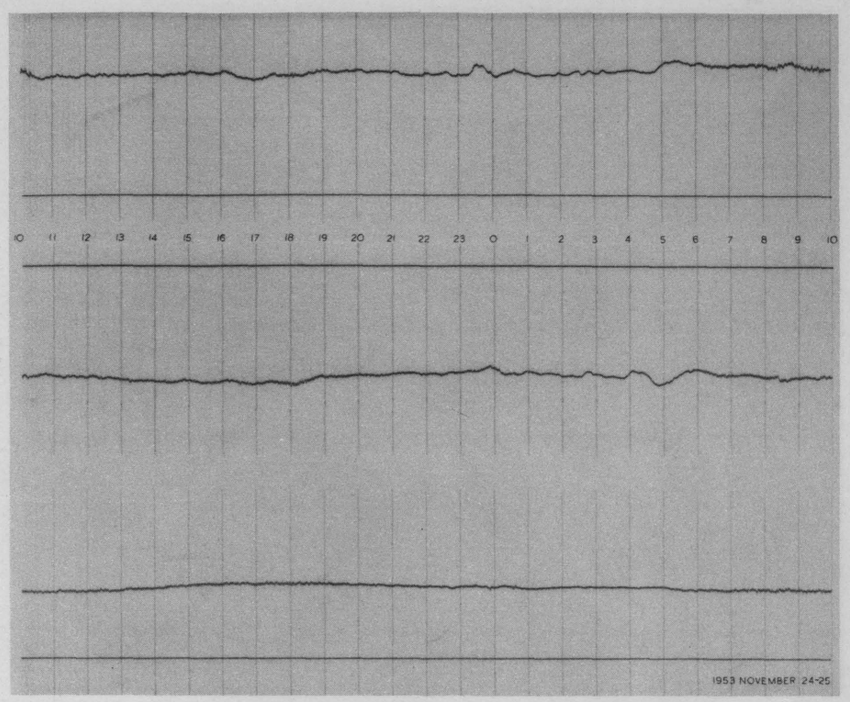
1953 NOVEMBER 23-24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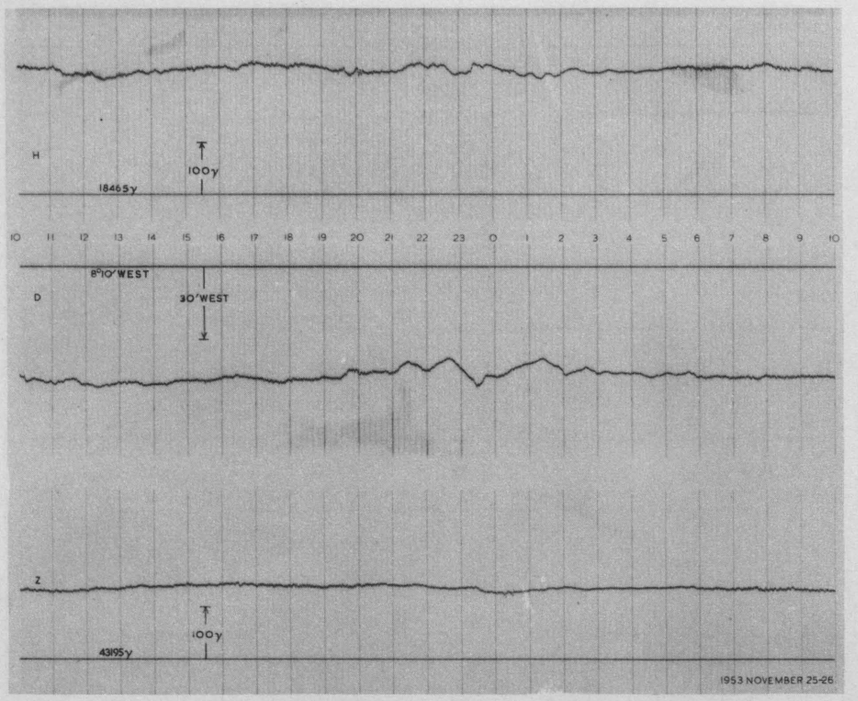
1953 NOVEMBER 24-25


H
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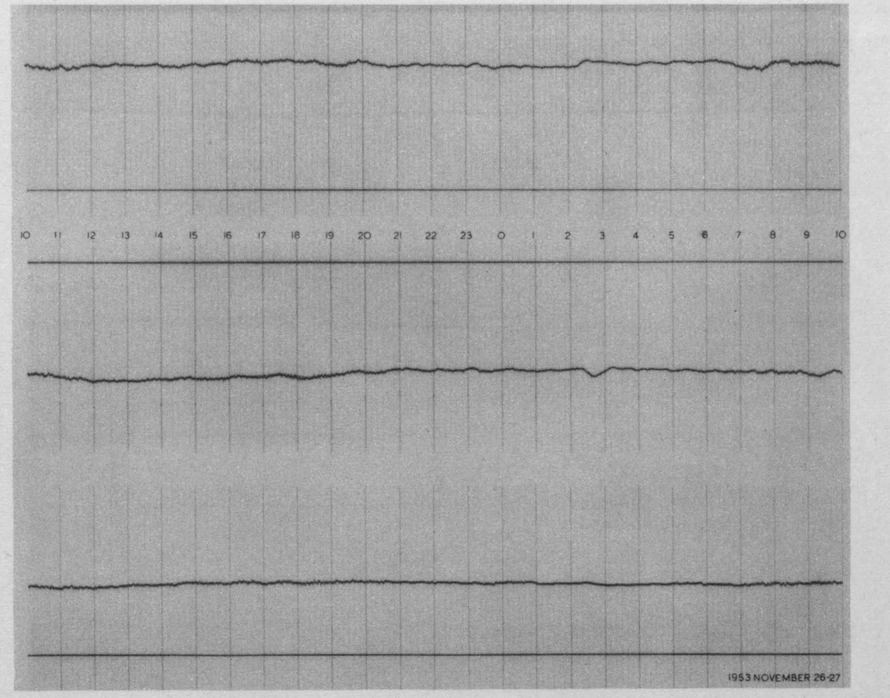
18465γ
10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10
8°10'WEST
D
30'WEST
Z
100γ
43195γ
1953 NOVEMBER 25-26.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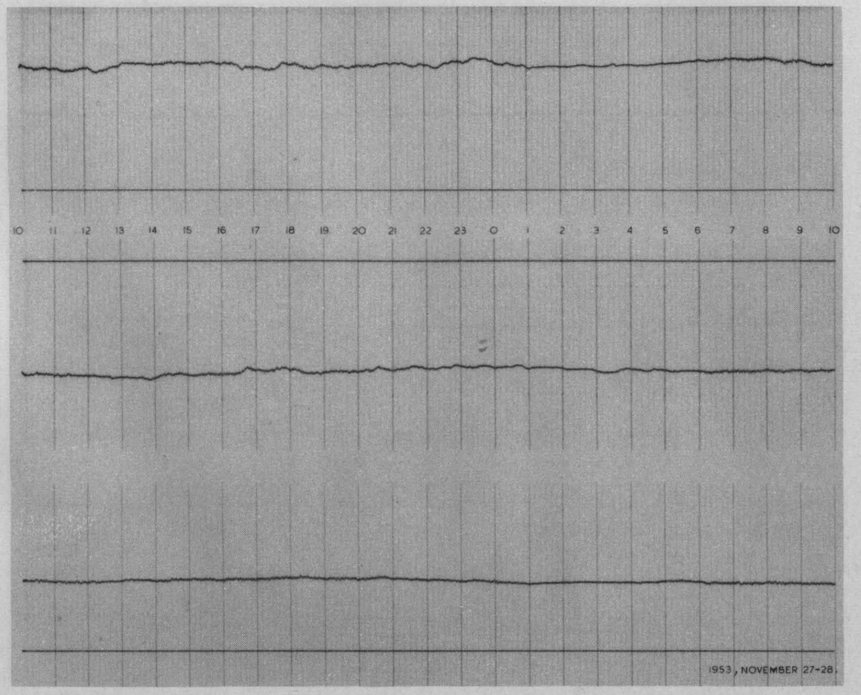
1953 NOVEMBER 26-27.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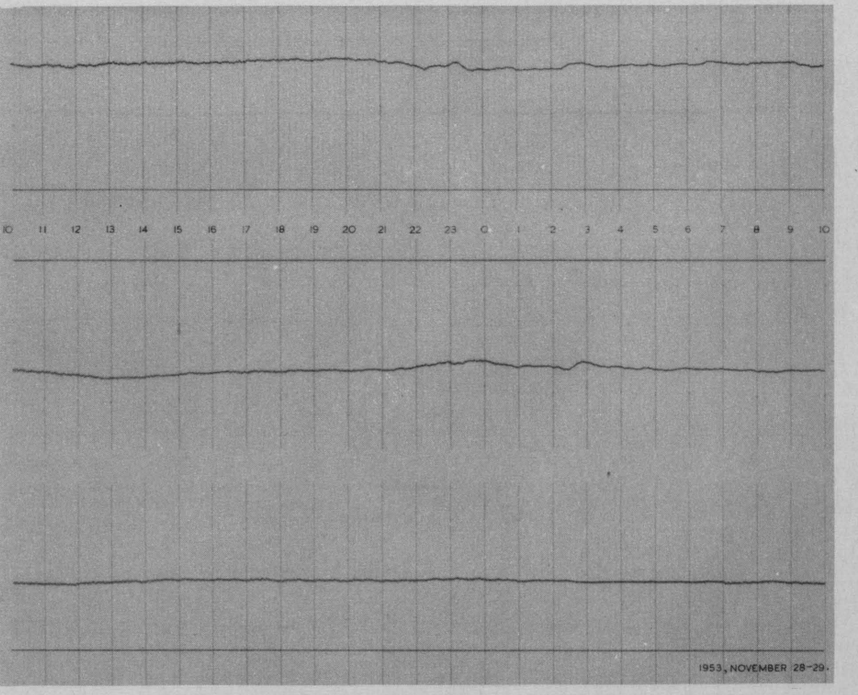
1953, NOVEMBER 27-28.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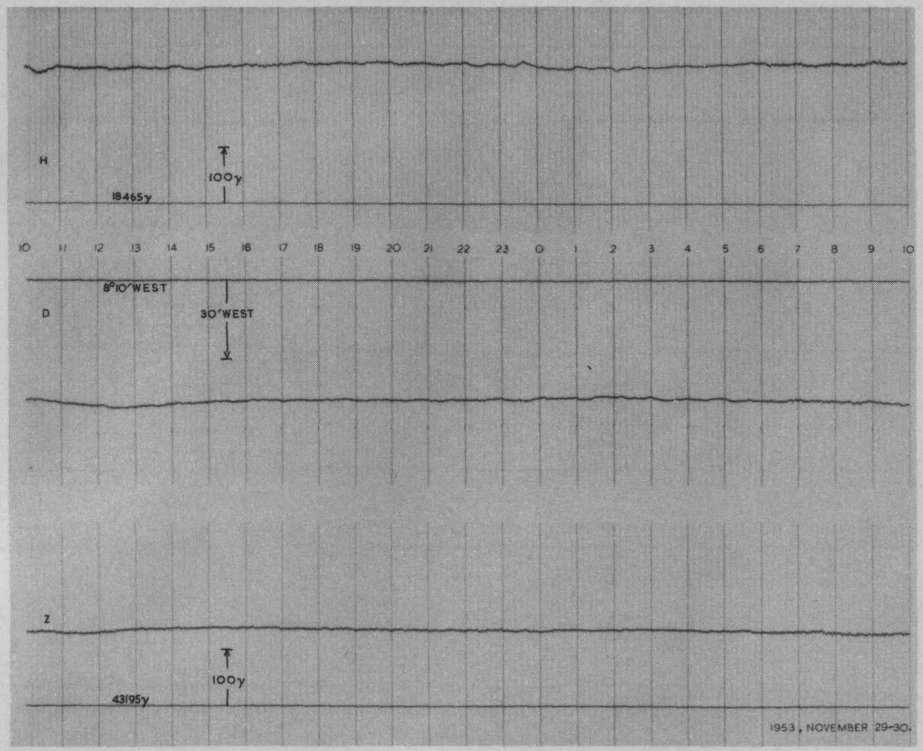
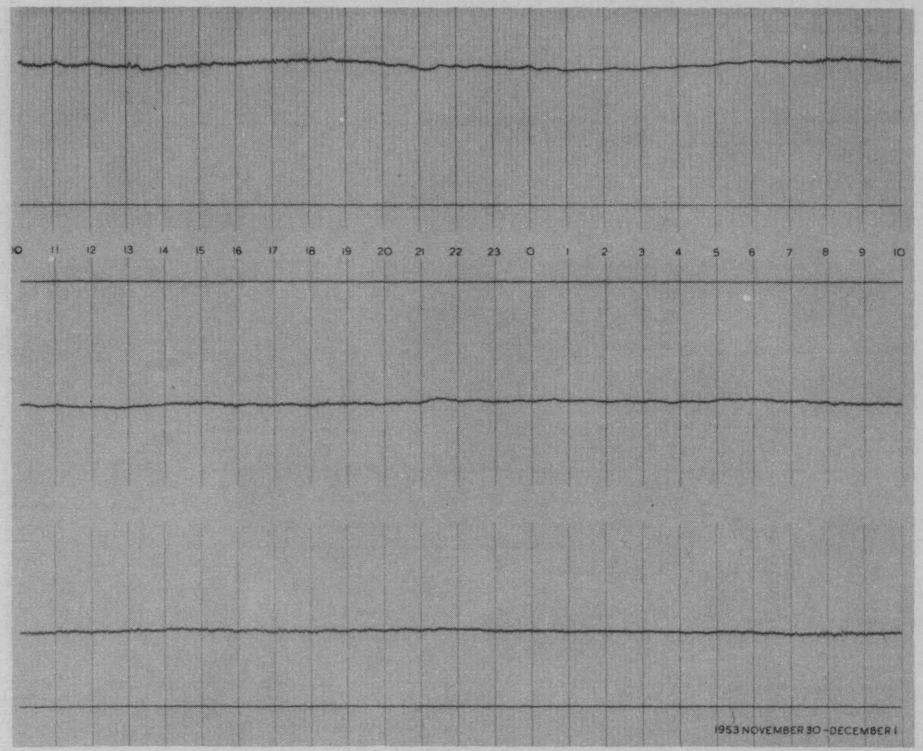
1953, NOVEMBER 28-29.


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
8°10'WEST
D
30'WEST
Z
100γ
43195γ
1953, NOVEMBER 29-30.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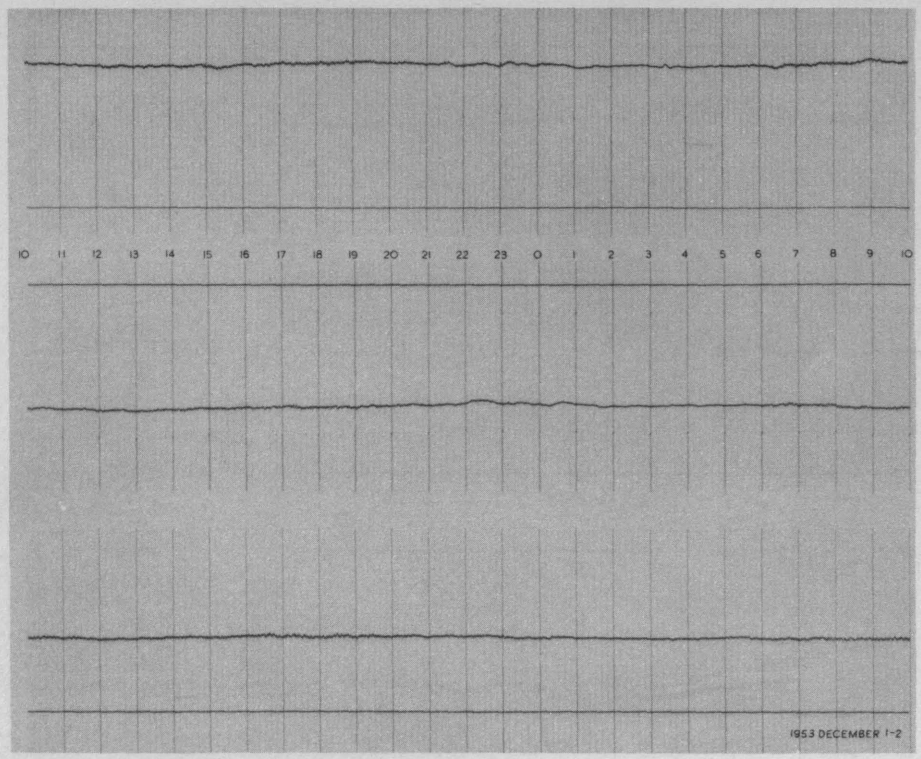
1953 NOVEMBER 30 - DECEMBER 1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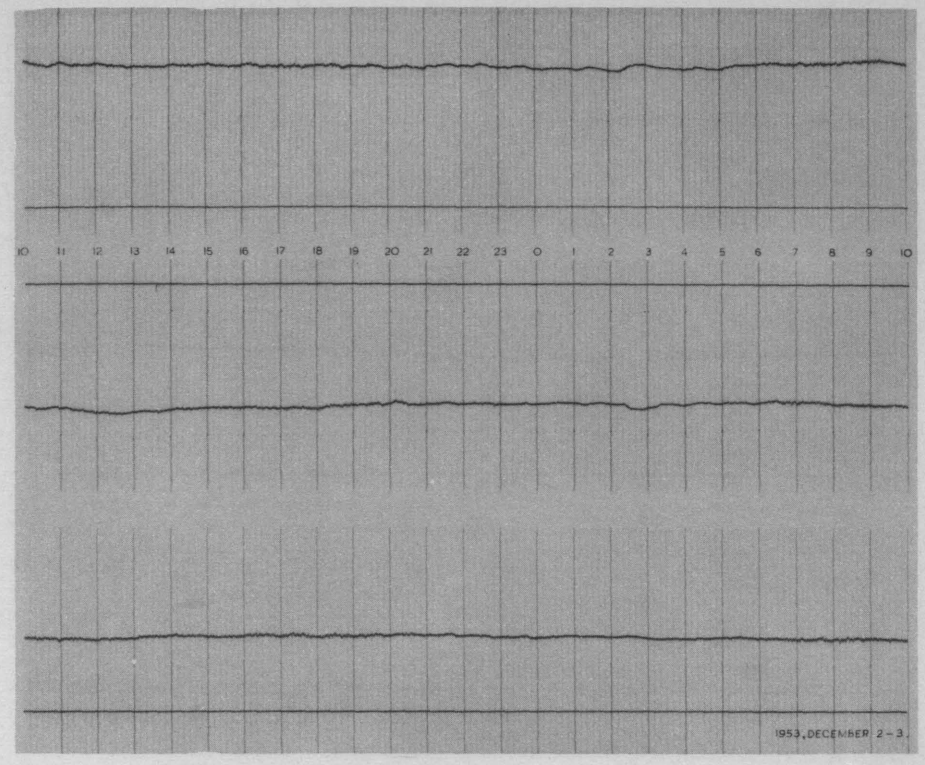
1953 DECEMBER 1-2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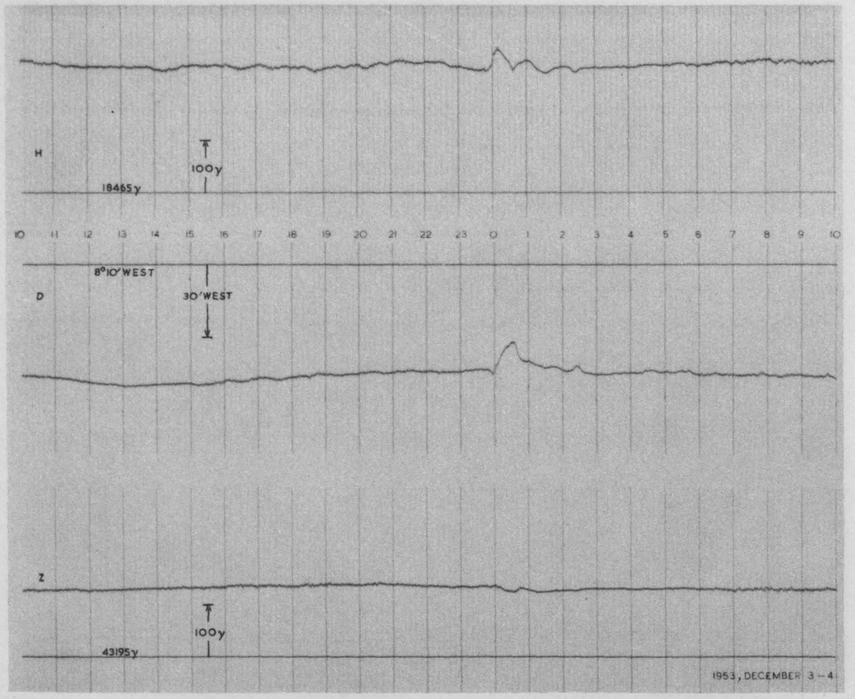
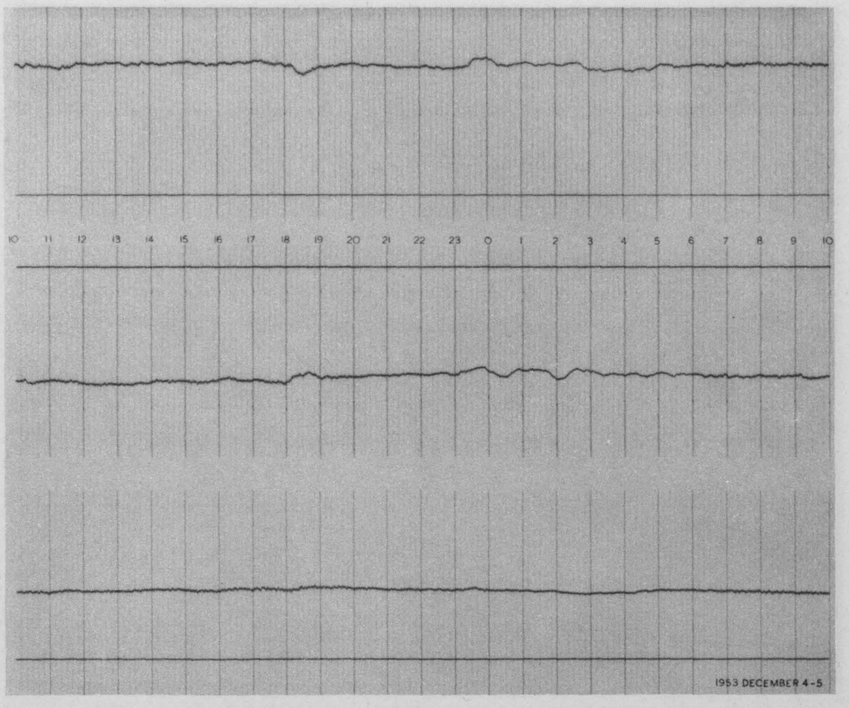
1953, DECEMBER 2 - 3.


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
8°10'WEST
D
30'WEST
Z
100γ
43195γ
1953, DECEMBER 3-4.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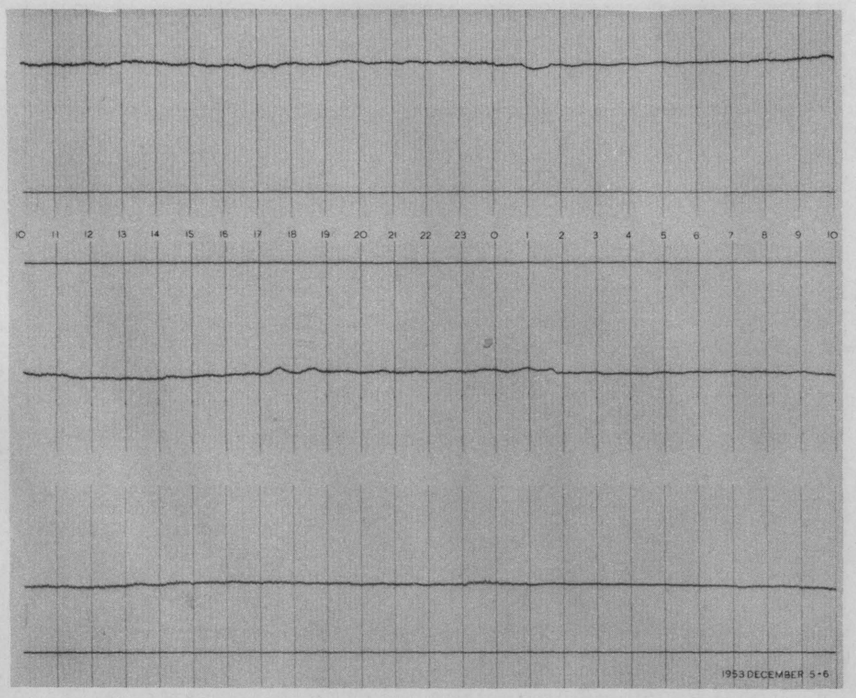
1953 DECEMBER 4-5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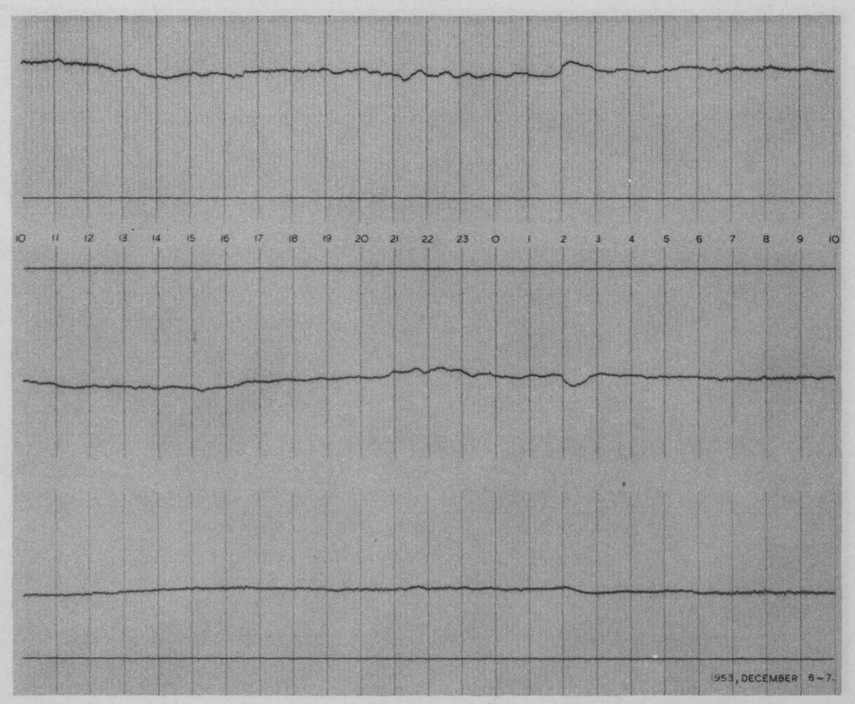
1953 DECEMBER 5-6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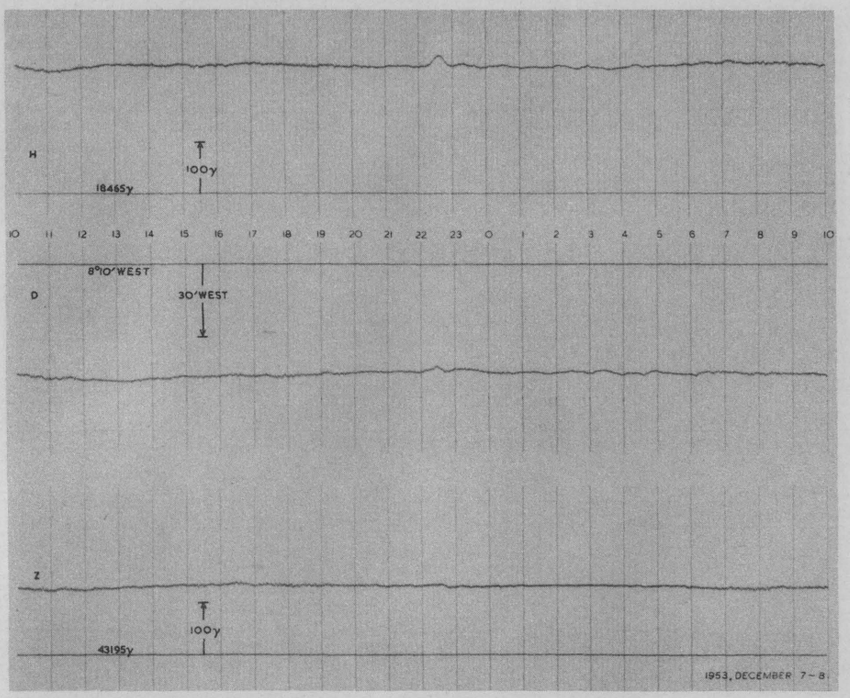
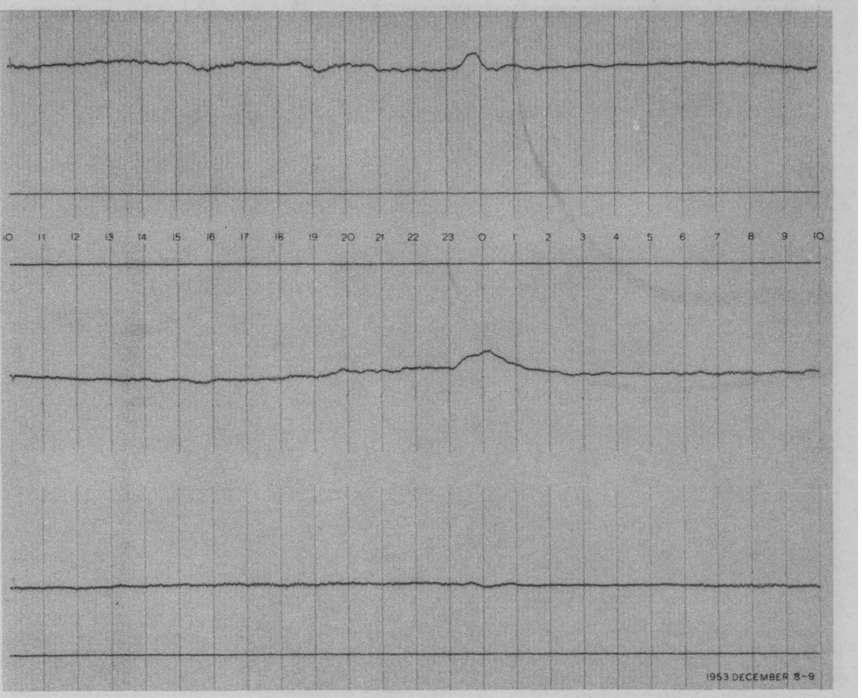
1953, DECEMBER 6-7.


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
8°10'WEST
D
30'WEST
Z
100γ
43195γ
1953, DECEMBER 7-8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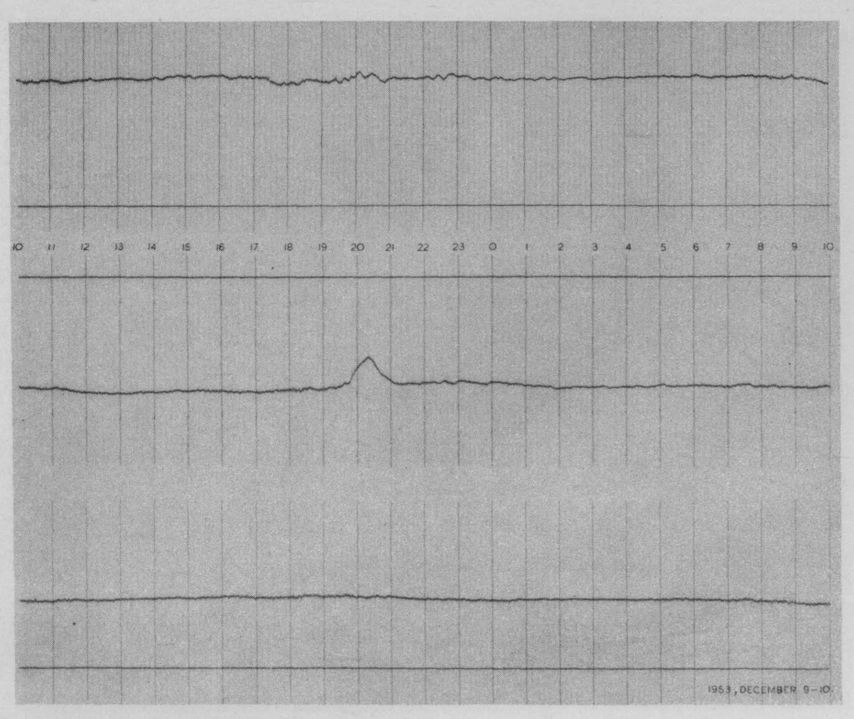
1953 DECEMBER 8-9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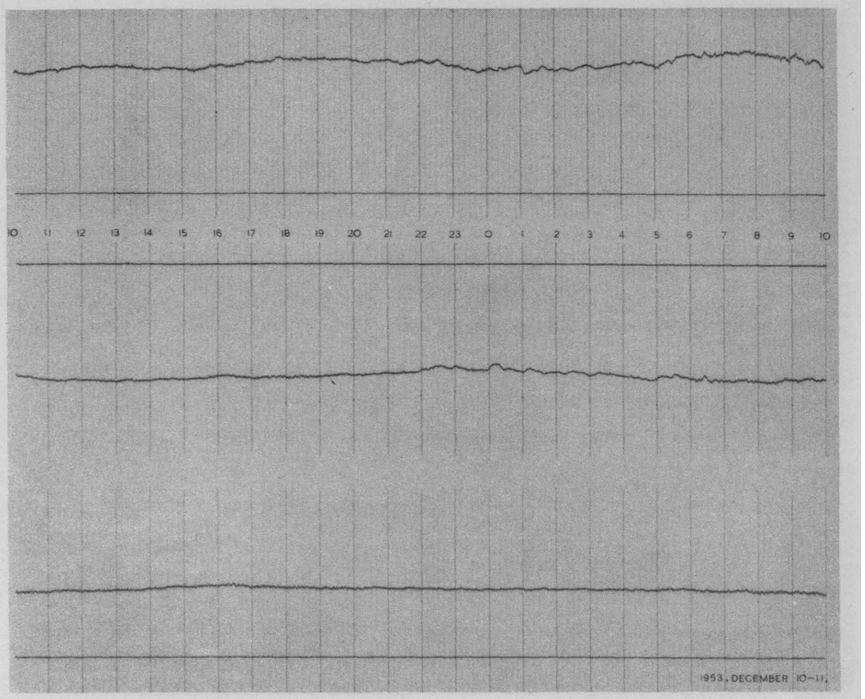
1953, DECEMBER 9-10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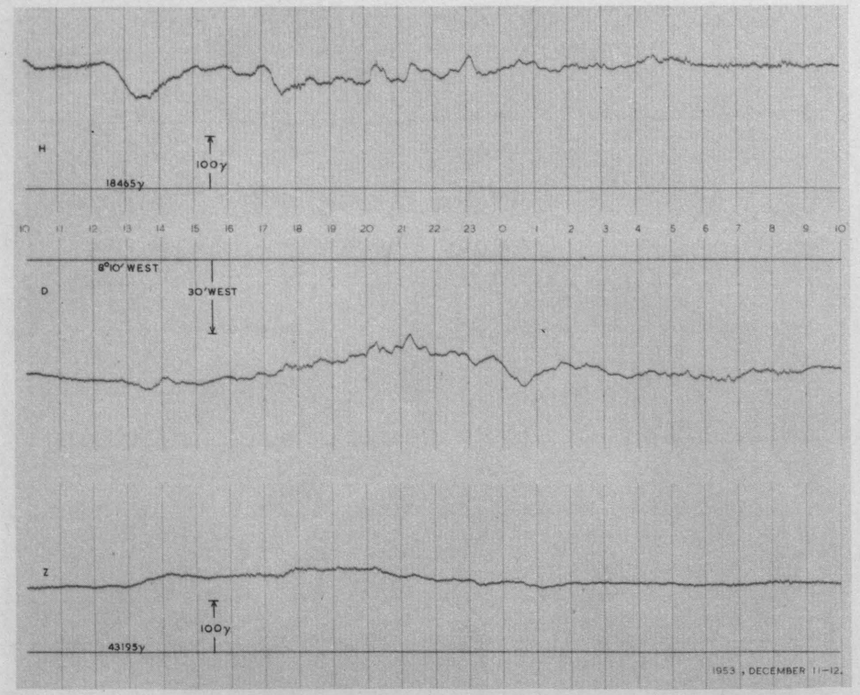
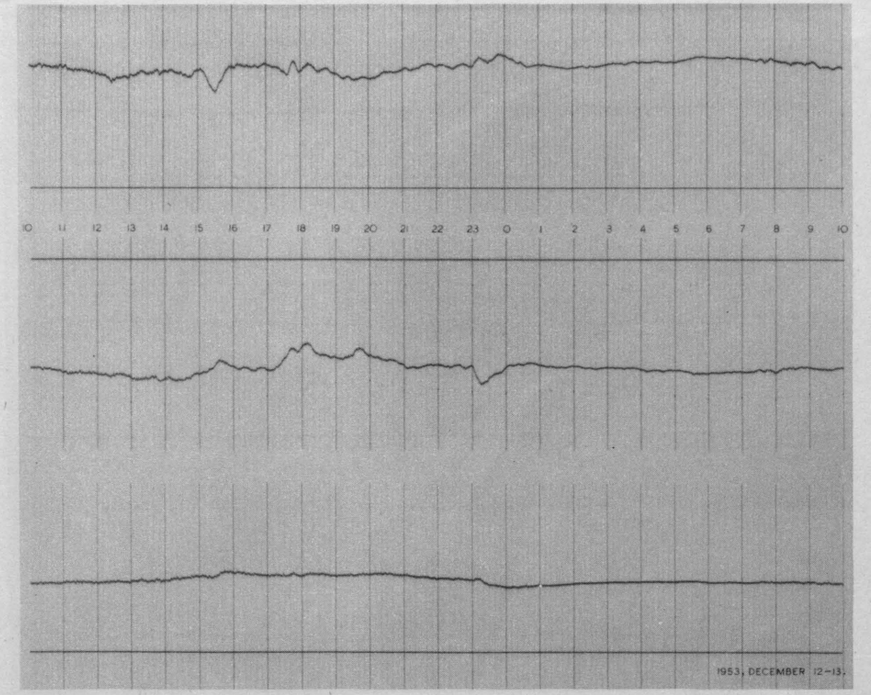
1953, DECEMBER 10-11


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
8°10' WEST
D
30' WEST
Z
100γ
43195γ
1953, DECEMBER 11-12.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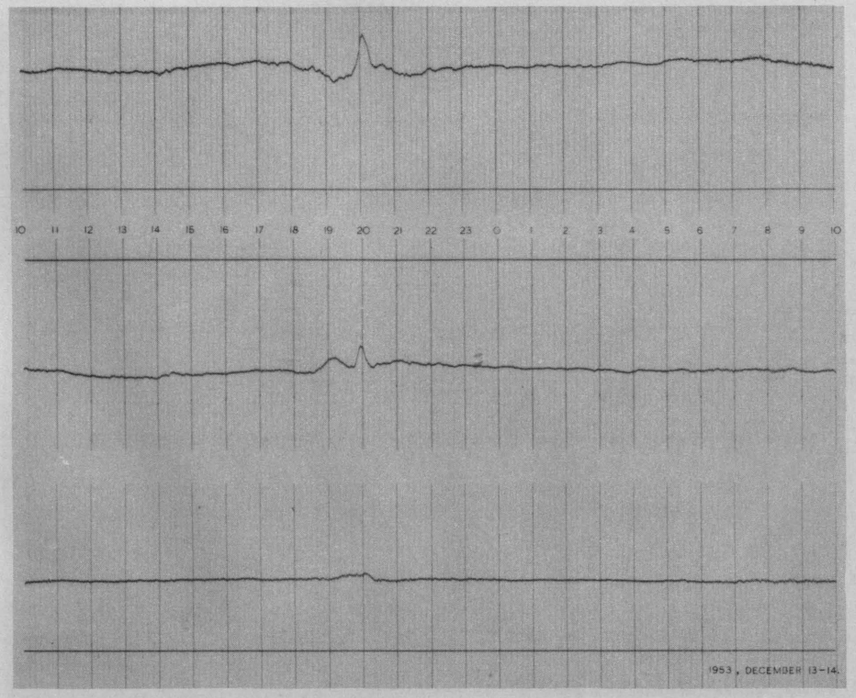
1953, DECEMBER 12-13.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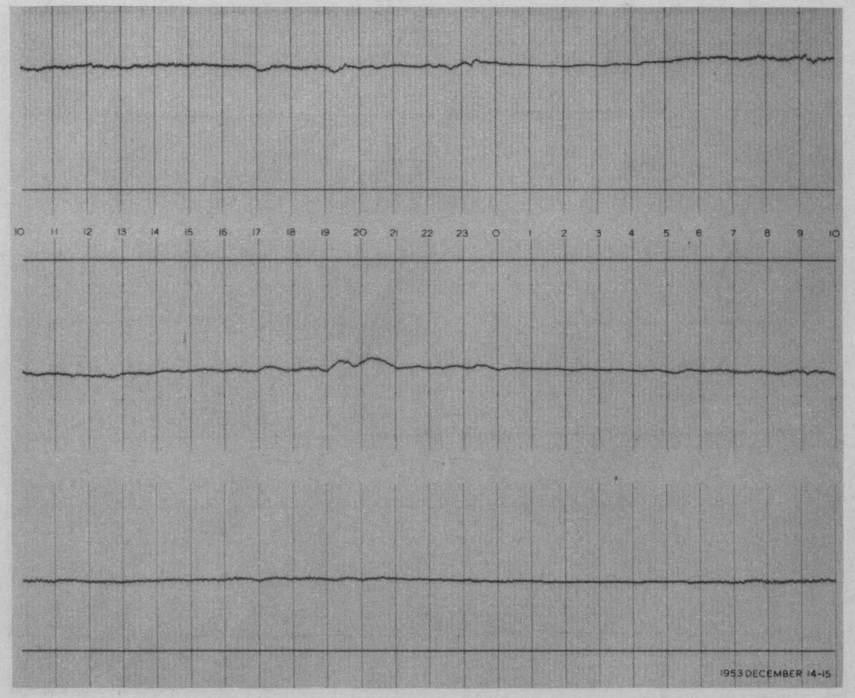
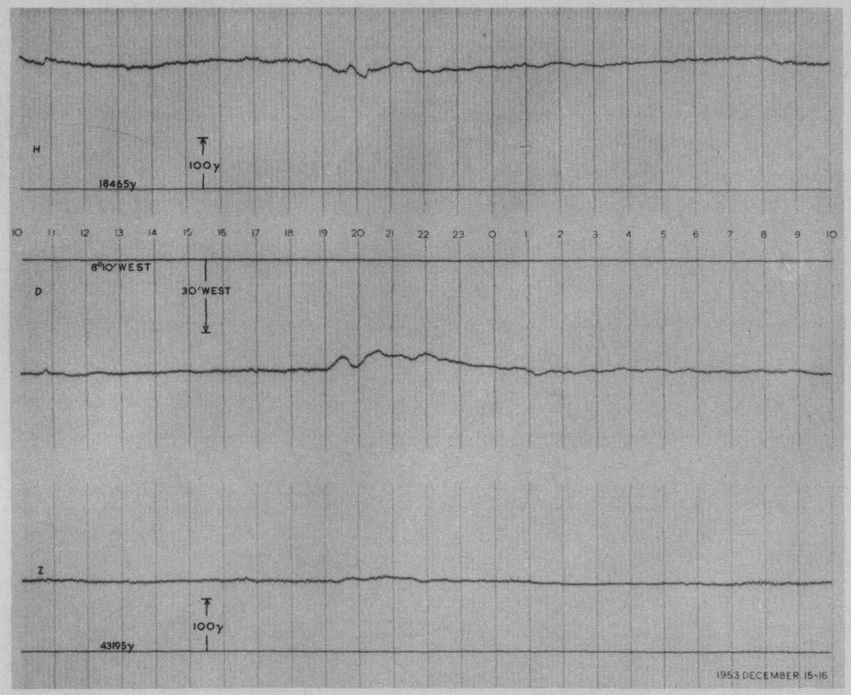
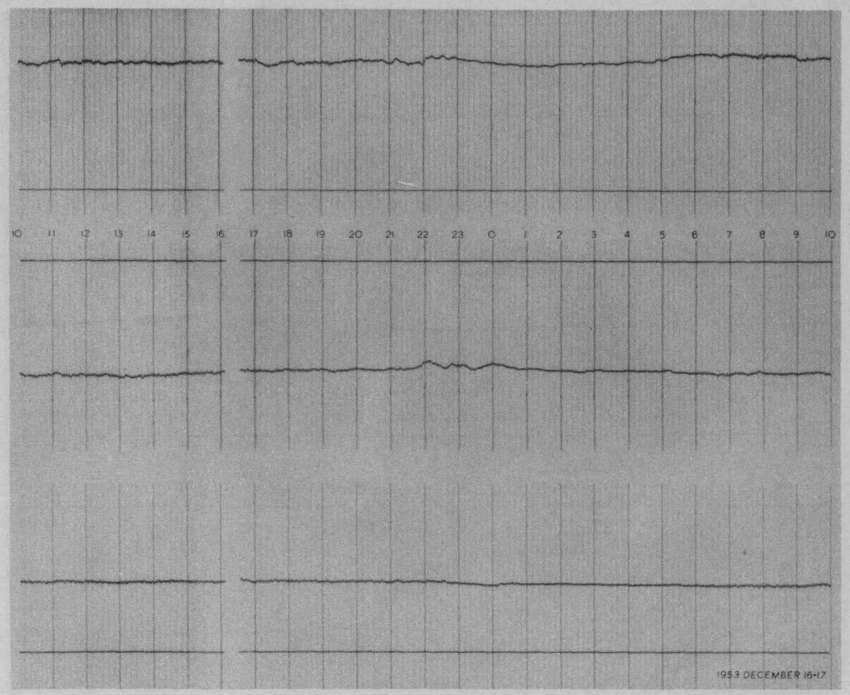
1953, DECEMBER 13-14.


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
1953 DECEMBER 14-15


H
18455y
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
100y
43195y
1953 DECEMBER 15-16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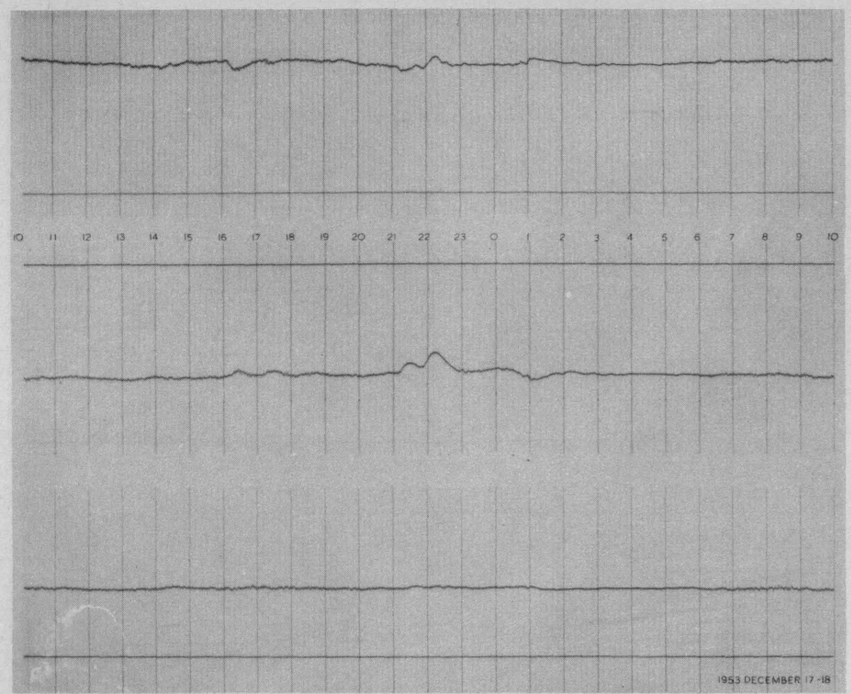
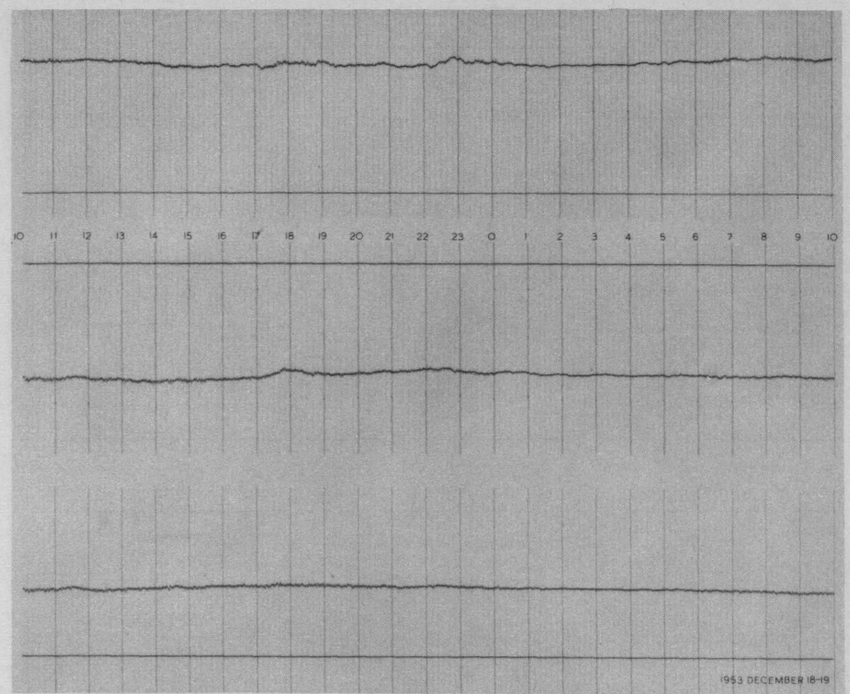
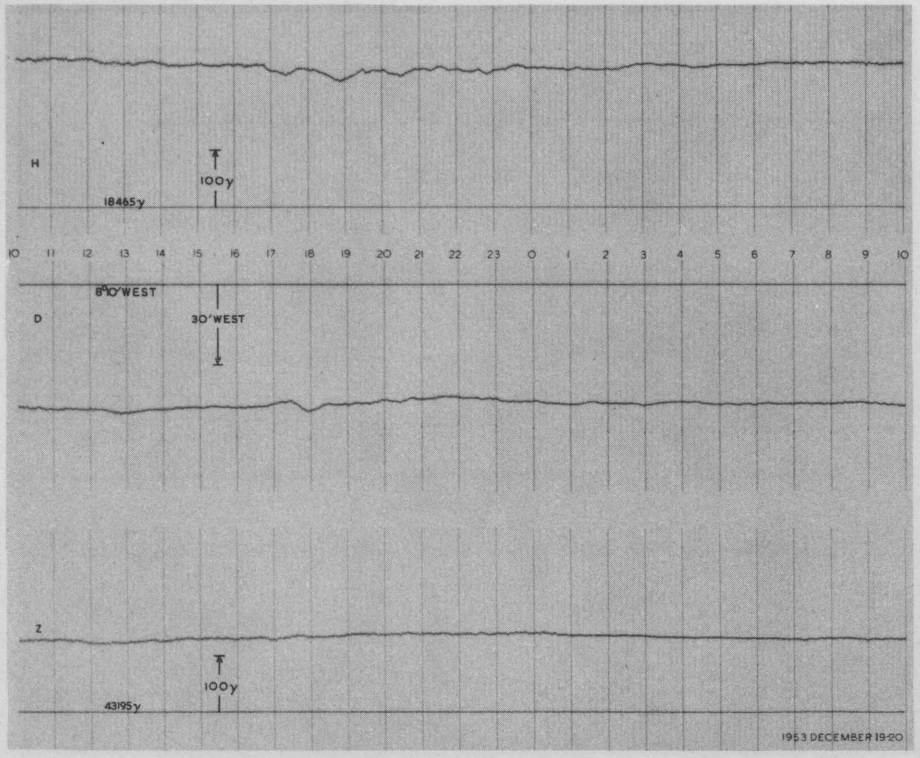
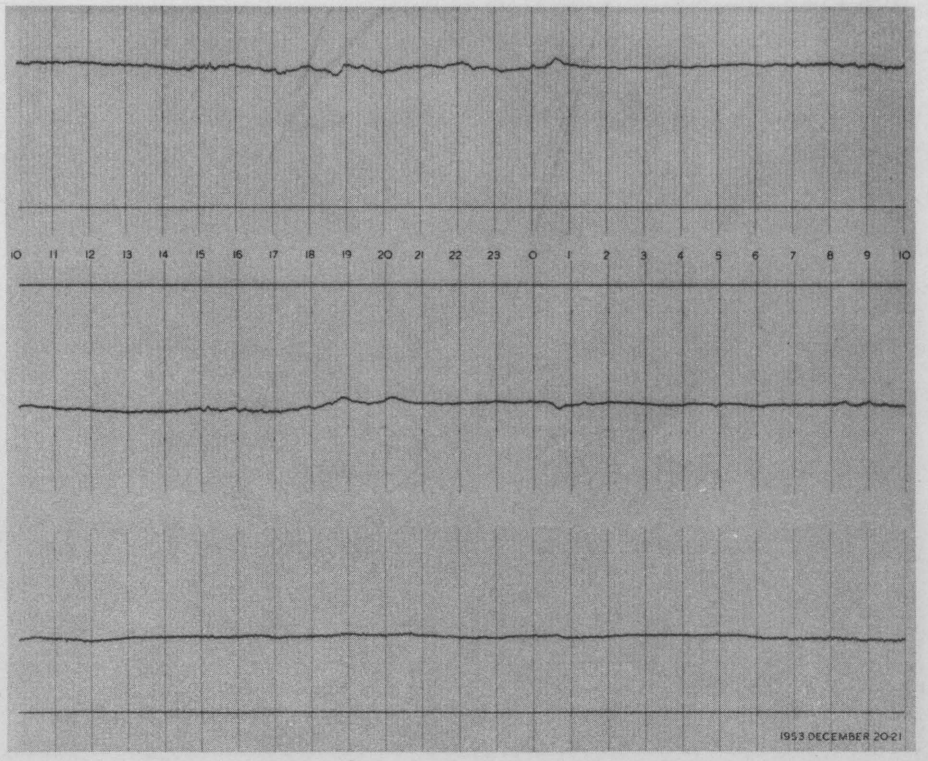
1953 DECEMBER 16-17


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
1953 DECEMBER 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
1953 DECEMBER 18-19


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
8°10'WEST
D
30'WEST
Z
100γ
43195γ
1953 DECEMBER 19-20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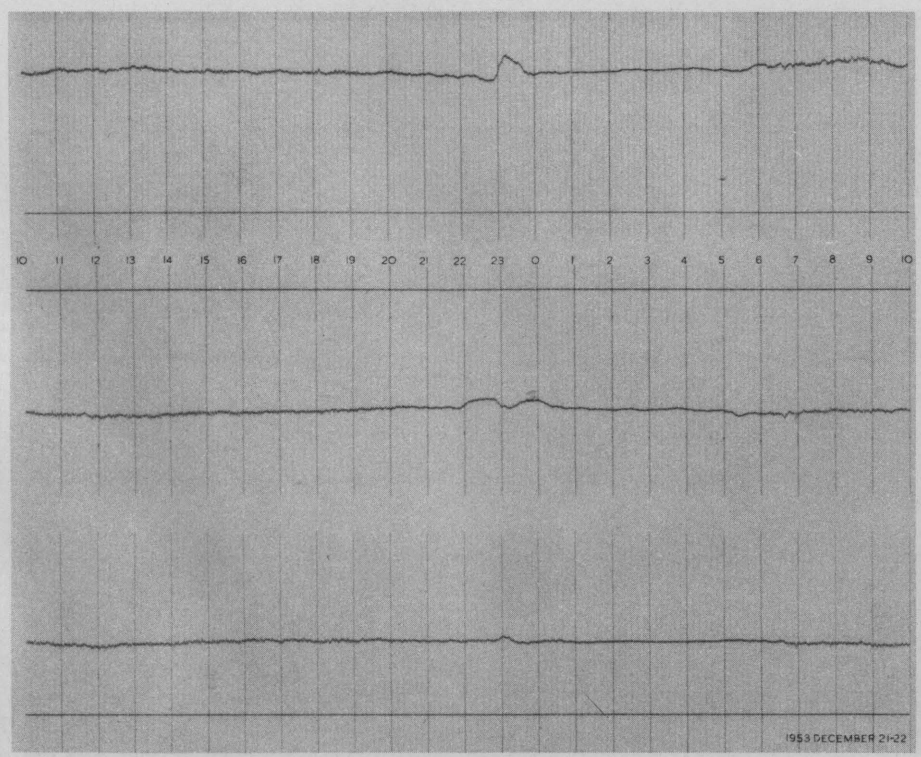
1953 DECEMBER 20-21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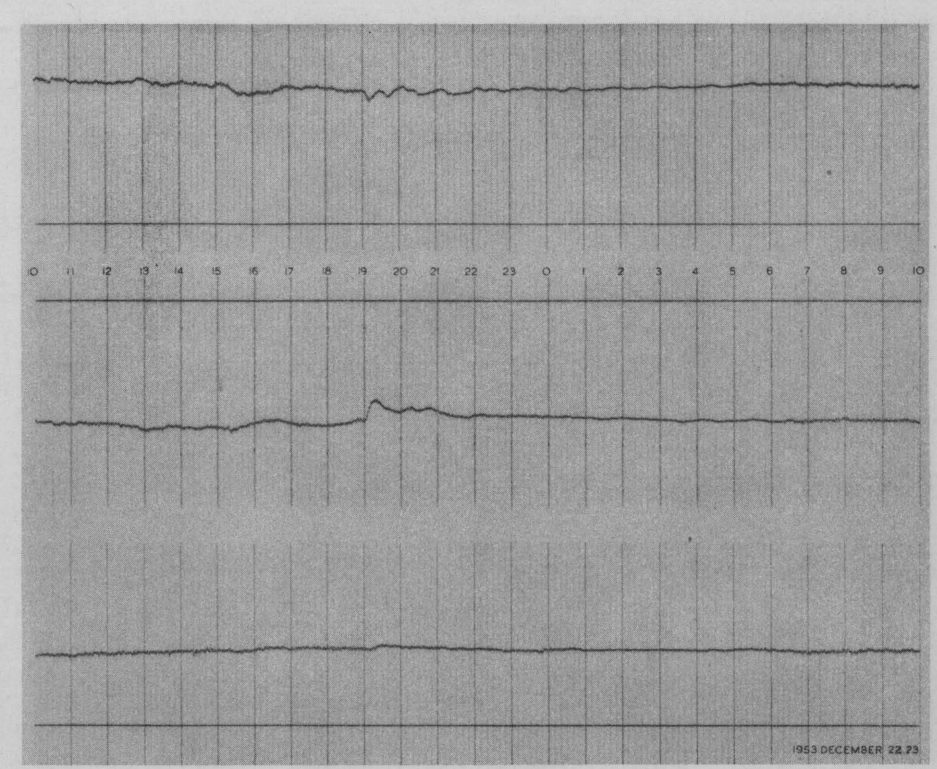
1953 DECEMBER 21-22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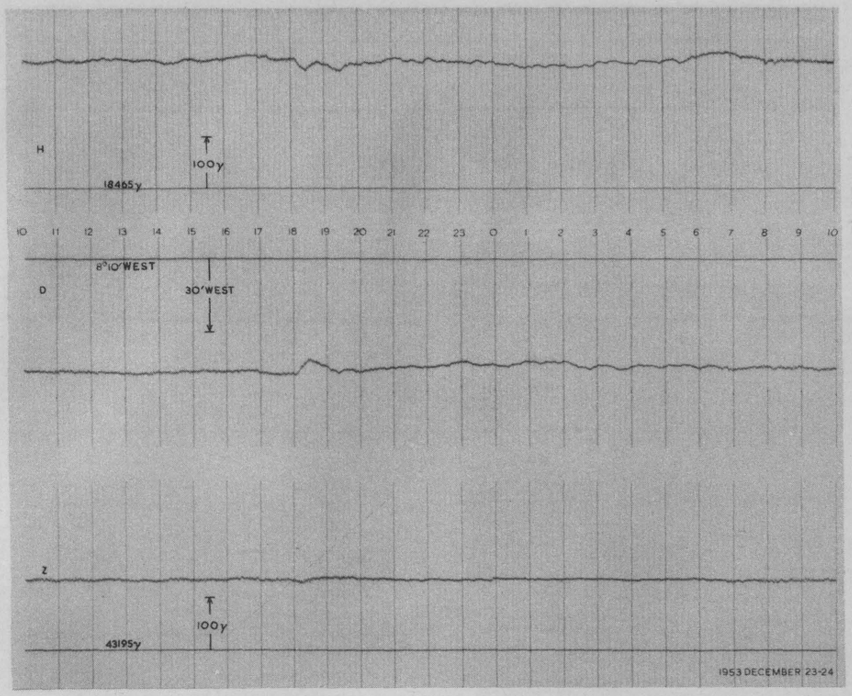
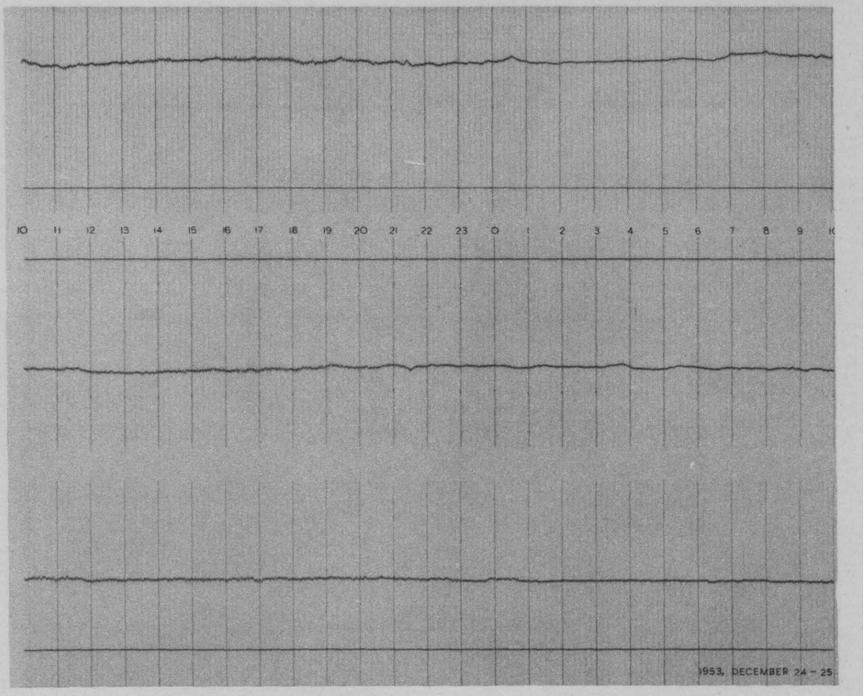
1953 DECEMBER 22-23


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
8°10'WEST
30'WEST
D
Z
100γ
43195γ
1953 DECEMBER 23-24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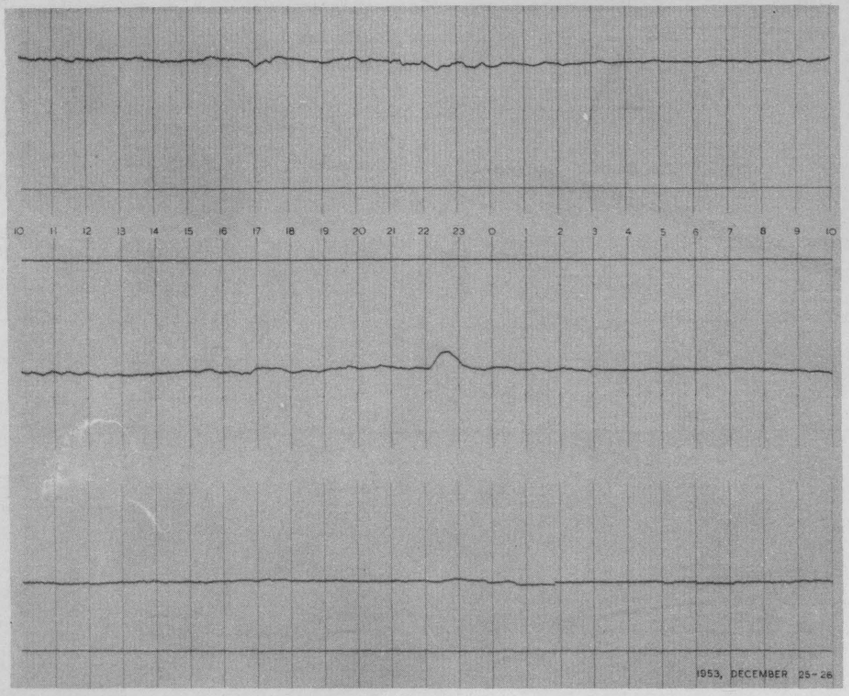
1953, DECEMBER 24 - 25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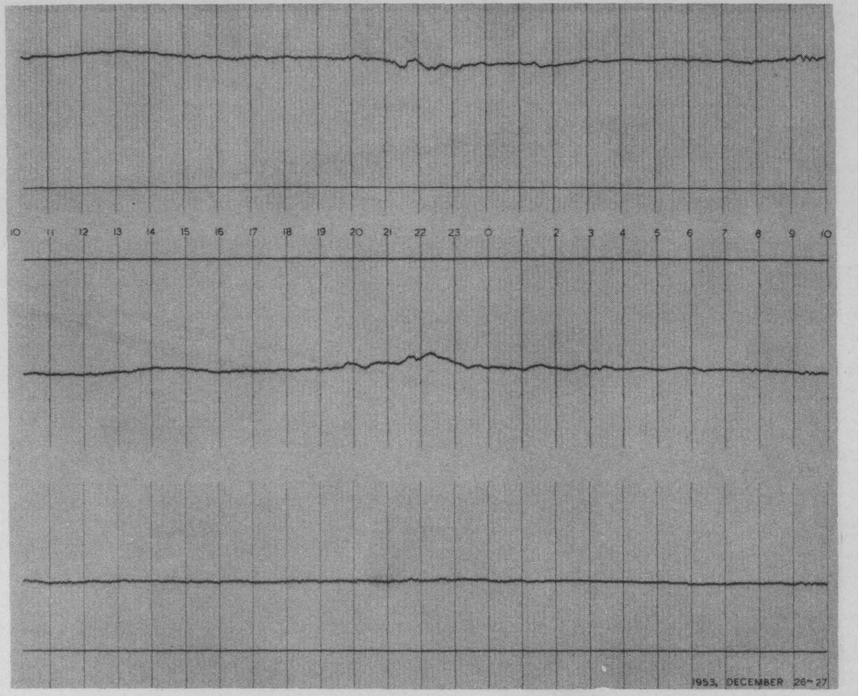
1953, DECEMBER 25-26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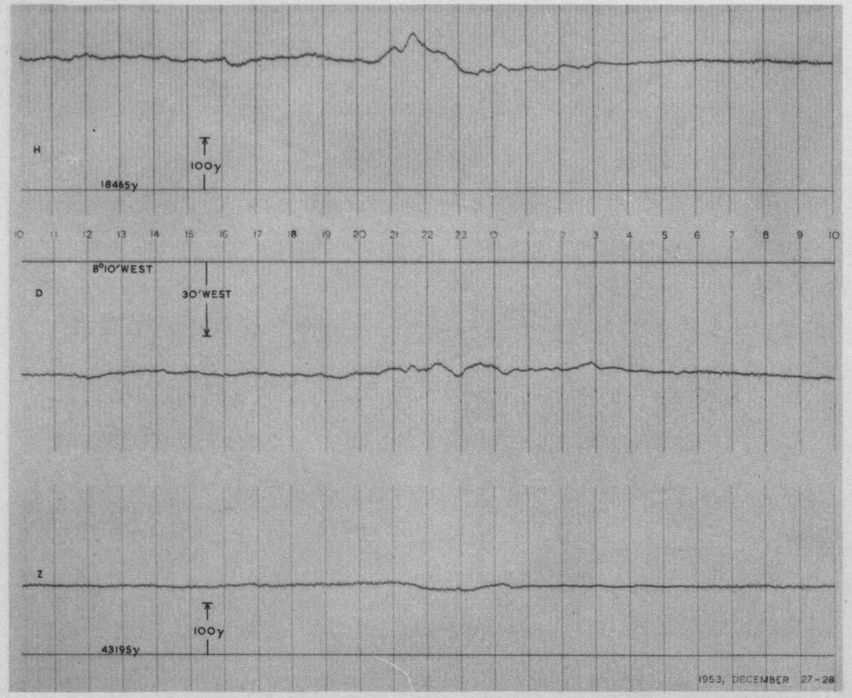
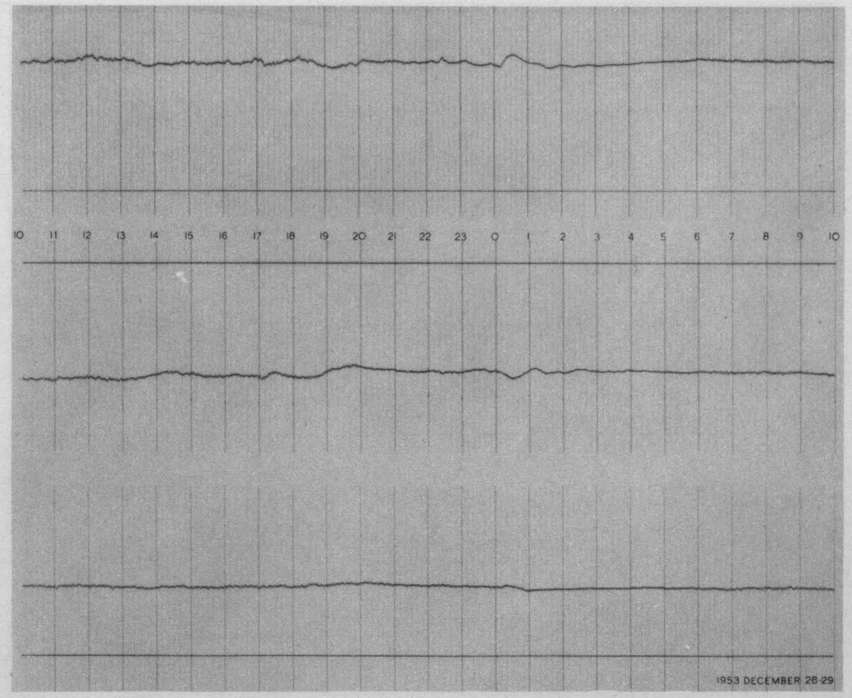
1953, DECEMBER 26-27


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
8°10'WEST
D
30'WEST
Z
100γ
43195γ
1953, DECEMBER 27-28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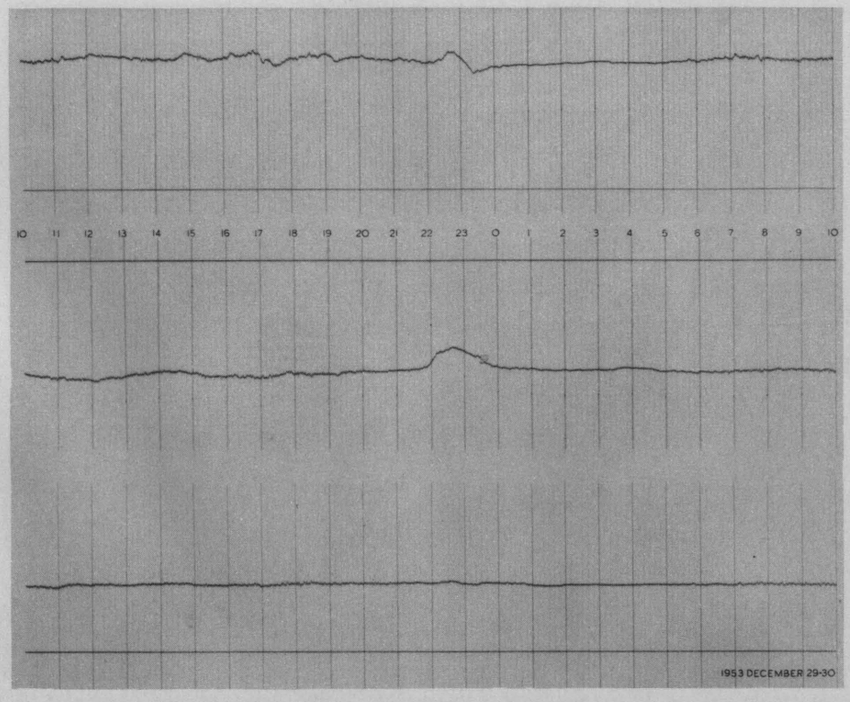
1953 DECEMBER 28-29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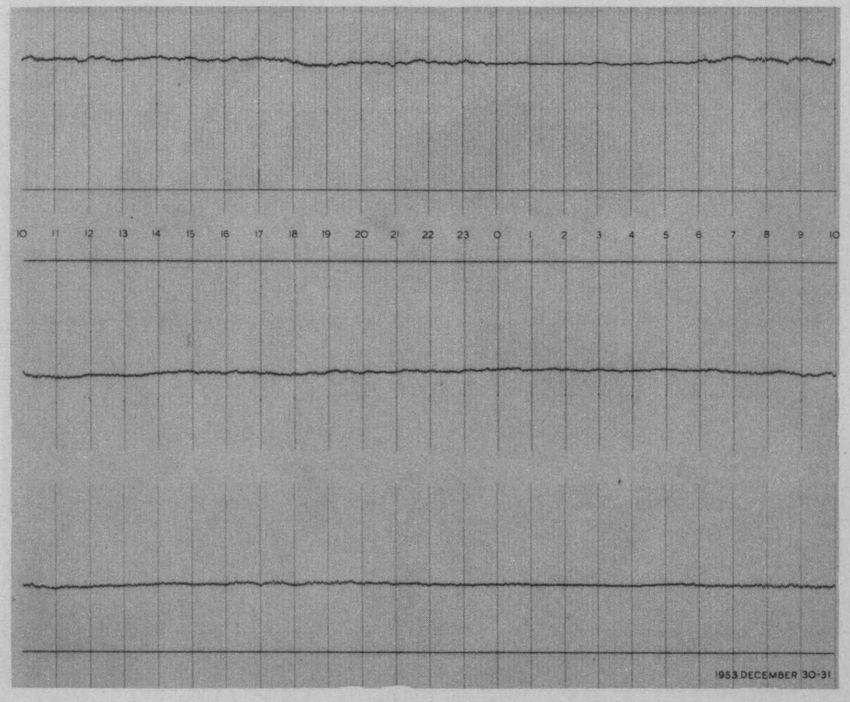
1953 DECEMBER 29-30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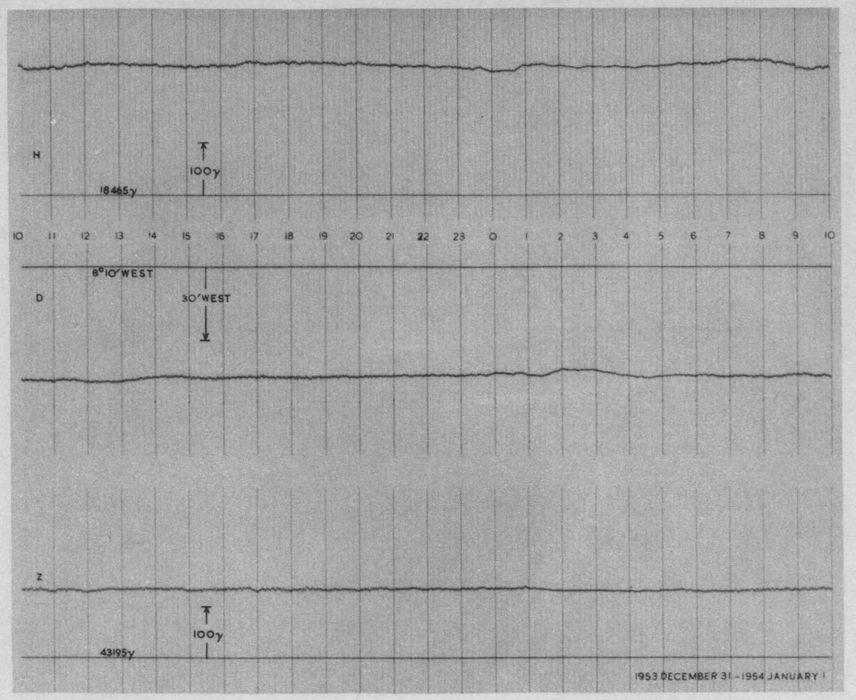
1953 DECEMBER 30-31


H
18465γ
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
43195γ
100γ
1953 DECEMBER 31 - 1954 JANUARY 1