RESULTS OF THE MAGNETIC AND METEOROLOGICAL OBSERVATIONS

Made at the Royal Observatory, Greenwich
the Royal Greenwich Observatory, Herstmonceux
and the Royal Greenwich Observatory, Abinger
in the year

1952

UNDER THE DIRECTION OF

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

ASTRONOMER ROYAL

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AND

ABINGER MAGNETIC STATION, SURREY.

MAGNETIC AND METEOROLOGICAL OBSERVATIONS, 1952.

INTRODUCTION

STAFF

During the year 1952, the staff serving in the Magnetic and Meteorological Department consisted of H. F. Finch, Superintendent, E. A. Chamberlain, P. L. Rickerby, G. F. Wells, B. R. Leaton, R. G. Lorton and D. R. A. Christie. Mr. Chamberlain, resident observer and assistant-in-charge, with his assistants Messrs. Rickerby and Christie were employed exclusively at the Abinger Magnetic Station.

ABINGER MAGNETIC OBSERVATIONS

The following is a brief account of the equipment of the Magnetic Observatory. A more detailed description is given in earlier volumes of *Greenwich Magnetic and Meteorological Observations.*

The Magnetic Station. –

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	15 m.m./hour	Declination (D)	0′.92/m.m.
		Horizontal Intensity (H)	4.35γ/m.m.
		Vertical Intensity (Z)	4.35γ/m.m.
Quick-run La Cour	3.1 m.m./min.	D, H and Z	Similar to normal run.
Insensitive Modified former standard instruments	15 m.m./hour	D	3′.7/m.m.
		H	19.5γ/m.m.

Observing Instruments. -

D, Declinometer consisting of a collimator magnet and a theodolite.
H, Schuster-Smith coil magnetometer.
Z, Dye coil magnetometer.
Inclination I, An earth inductor by the Cambridge Instrument Company is used as a check.

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

The electrical constants, on which the reduction of observations made in 1952 with the Schuster-Smith coil is based, were verified in July 1951 and those for the Dye coil in February 1952.

THE 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). On 1938 January 1 the factor adopted for converting international amperes to c.g.s. units was changed from .99997 to .99988. This change introduces discontinuities of -1.7γ in H and -3.9γ in Z.

MAGNETOGRAMS - In previous years tracings of the magnetograms have been reproduced for a few selected days. The current volume contains photographic reproductions of the magnetograms for every day, 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.

METEOROLOGICAL OBSERVATIONS, 1952.

A limited programme of meteorological observations was continued at Greenwich until July 31. This date marks the end of the long series of routine meteorological observations at Greenwich which started in the year 1841.

Records of the duration of sunshine and at night of the visibility of stars near the celestial pole were secured throughout the year at the Royal Greenwich Observatory, Herstmonceux.

ROYAL GREENWICH OBSERVATORY

ABINGER MAGNETIC STATION

Results of Magnetic Observations

1952

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
January	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	69.9	65.2	67.0	67.7	67.9	68.8	69.2	68.7	69.0	69.9	70.8	70.3	71.3	70.9	70.2	67.3	68.5	69.6	66.2	65.4	64.7	66.5	67.2	67.9	
2	69.1	68.7	68.0	67.6	68.1	67.2	67.5	66.9	67.5	68.9	70.1	70.5	71.7	71.0	69.9	69.5	69.2	69.8	67.7	69.1	68.6	67.6	67.3	66.3	
3	67.2	67.2	68.6	67.9	68.2	68.2	68.4	68.2	68.2	69.1	70.3	70.9	72.0	72.7	71.3	70.2	69.5	69.8	70.2	70.2	68.4	68.2	65.6	63.6	
4	66.0	69.2	66.9	67.6	68.2	68.2	68.1	67.6	67.5	68.0	68.7	69.6	70.3	71.4	70.6	71.3	71.2	72.3	70.0	67.8	65.6	55.9	63.2	68.2	
5 **	68.3	68.6	67.3	69.1	67.5	72.8	76.2	71.1	70.3	75.4	74.1	74.1	73.8	68.5	73.1	71.3	70.7	63.4	68.2	66.3	65.9	64.7	60.5	63.5	
6	66.3	70.1	67.5	69.8	68.7	74.2	73.1	71.1	68.1	68.6	69.6	70.6	70.3	71.4	72.5	71.2	64.7	61.8	67.7	65.1	65.8	65.1	67.4	65.4	
7	67.9	67.5	69.1	68.2	68.8	70.0	70.0	68.2	67.1	67.1	68.0	69.6	71.5	73.7	69.1	70.7	64.1	63.1	68.3	63.6	61.5	63.2	66.1	67.8	
8	67.8	68.0	70.1	71.1	68.5	68.1	69.3	69.1	68.9	69.3	69.8	70.7	70.6	71.4	70.9	69.9	68.6	66.1	68.6	67.8	67.9	68.0	67.9	67.8	
9	67.9	68.2	69.1	69.4	69.1	70.1	68.5	67.5	67.5	67.6	68.9	70.5	72.6	73.3	72.3	71.2	70.6	73.6	73.5	67.1	67.1	68.2	66.5	65.3	
10	67.4	68.1	67.5	67.1	73.0	67.7	67.1	67.1	69.5	67.6	69.1	71.0	71.9	72.4	71.1	71.4	70.3	62.4	72.1	68.3	67.1	59.9	58.1	64.1	
11	67.4	64.0	65.7	65.0	65.2	67.6	67.5	67.5	66.8	67.8	69.1	70.9	73.8	74.1	70.1	71.9	72.1	59.0	66.1	67.3	67.7	66.5	64.5	63.1	
12	56.5	64.4	62.7	71.1	66.6	67.1	68.7	69.7	70.3	68.2	71.5	69.1	71.0	73.7	70.2	70.6	68.9	61.1	63.7	64.1	63.2	62.5	62.5	65.4	
13 **	63.4	65.9	67.1	67.7	69.3	69.0	68.5	68.2	66.2	68.2	67.8	70.9	69.8	74.8	69.3	71.1	68.6	66.4	66.1	64.7	58.1	58.8	63.3	64.1	
14 **	62.5	62.1	68.1	68.9	67.7	68.7	69.7	66.9	66.7	67.1	68.5	69.5	71.1	72.4	68.1	70.1	68.3	64.1	63.6	66.2	60.6	61.7	62.0	63.6	
15	65.3	69.0	67.9	70.1	68.1	67.9	67.6	66.5	67.0	66.4	67.7	69.1	71.1	75.0	67.2	70.4	70.2	66.1	67.1	68.1	66.6	67.4	66.2	66.1	
16	66.1	64.6	67.2	66.8	67.3	66.9	68.1	67.5	68.1	67.8	69.1	69.1	71.2	72.1	72.7	71.2	69.1	70.1	69.1	66.7	63.3	66.6	65.0	63.1	
17	65.7	66.0	67.5	67.8	68.1	67.9	67.3	67.0	67.1	66.9	67.0	68.1	70.0	71.0	70.4	70.1	69.6	69.4	68.5	65.0	66.1	66.5	67.1	66.5	
18 *	66.8	66.9	67.4	68.0	67.4	67.5	68.1	67.7	67.4	67.5	68.1	69.1	70.4	71.1	70.2	70.0	69.3	70.0	69.3	68.4	68.5	67.8	67.5	67.6	
19 *	67.2	67.8	68.3	68.1	67.5	67.4	68.0	67.4	67.3	68.0	69.1	70.2	72.1	72.4	70.5	70.7	70.5	70.6	69.7	66.7	67.2	66.1	66.0	67.1	
20 *	67.4	67.6	67.3	68.2	66.8	67.0	67.8	67.8	67.1	67.1	67.8	68.5	70.2	71.8	70.8	70.1	70.1	70.0	68.1	66.1	68.4	67.2	65.0	65.7	
21 *	66.6	66.6	65.1	66.1	66.8	67.6	67.2	67.2	67.2	67.7	69.3	71.4	72.2	72.8	72.5	72.1	71.0	71.2	71.1	69.7	67.8	67.9	66.5	65.5	
22	65.5	64.7	65.5	65.7	65.1	65.5	66.1	66.8	67.2	68.3	70.0	71.3	72.2	73.3	73.1	71.5	71.0	71.1	70.9	71.5	69.1	67.4	66.2	65.1	
23	66.6	67.9	68.6	69.1	68.1	68.5	68.6	67.5	67.8	69.1	72.1	71.6	74.1	74.3	74.2	72.1	72.0	70.7	69.8	67.0	59.9	63.4	64.9	61.2	
24	67.4	67.2	67.7	68.8	68.0	68.1	68.5	67.5	67.0	67.0	68.5	69.3	70.6	71.0	70.8	67.9	68.0	69.2	68.6	65.3	67.0	65.9	64.6	64.1	
25	66.6	67.8	70.0	67.3	67.2	67.4	67.7	67.7	67.8	66.4	67.0	70.0	71.7	74.0	73.7	71.5	68.8	66.6	67.8	67.3	64.6	66.0	67.6	68.1	
26 *	68.0	68.4	68.9	68.9	68.3	68.0	68.0	67.3	67.4	67.4	69.0	69.6	71.0	71.5	70.5	70.0	70.0	69.9	69.5	69.3	68.3	68.1	68.0	68.3	
27 **	68.4	68.8	68.5	67.7	68.7	68.0	68.6	67.7	67.4	67.4	67.8	73.0	74.5	75.8	76.3	76.8	71.5	72 3	68.0	64.5	66.5	64.9	62.4	60.7	
28	65.6	67.6	67.8	64.4	71.4	67.7	66.2	66.5	67.3	67.0	69.0	70.3	71.8	72.9	69.3	70.3	70.5	65.7	69.4	68.0	67.2	64.0	63.4	66.1	
29 **	65.9	68.0	67.9	68.5	68.0	68.0	68.4	70.1	70.7	70.0	71.1	71.0	71.5	73.0	72.0	70:7	73.0	71.0	60.4	64.1	47.7	63.0	66.7	64.2	
30	65.2	63.9	65.8	65.3	66.4	68.0	66.5	67.3	67.8	67.7	67.6	69.0	70.0	70.5	70.0	69.0	69.0	69.6	67.9	65.3	67.5	65.8	65.4	66.0	
31	66.6	67.1	67.9	67.8	67.3	67.6	68.0	68.3	69.0	68.5	68.8	68.4	69.8	73.0	74.0	70.0	71.0	69.4	70.4	69.9	69.0	68.3	67.1	65.7	
Mean	66.4	67.0	67.5	68.0	68.0	68.3	68.5	67.9	67.9	68.2	69.2	70.2	71.5	72.5	71.2	70.7	69.7	67.9	68.3	67.0	65.4	65.3	65.2	65.4	
Mean *	67.2	67.5	67.4	67.9	67.4	67.5	67.8	67.5	67.3	67.5	68.7	69.8	71.2	71.9	70.9	70.6	70.2	70.3	69.5	68.0	68.0	67.4	66.6	66.8	
Mean **	65.7	66.7	67.8	68.4	68.2	69.3	70.3	68.8	68.3	69.6	69.9	71.7	72.1	72.9	71.8	72.0	70.4	67.4	65.3	65.2	59.8	62.6	63.0	63.2	
February	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	64.0	65.6	67.4	66.5	67.6	67.4	67.9	71.2	73.6	74.9	74.9	75.4	71.6	70.9	72.6	71.0	65.5	66.0	67.5	57.9	61.0	63.5	66.9	67.5	
2	67.3	67.6	69.7	70.0	68.0	67.5	68.0	68.0	67.4	68.0	68.6	69.8	71.4	72.0	71.0	70.0	68.6	68.8	67.1	67.0	65.5	66.0	67.0	66.7	
3 *	67.0	67.9	68.0	67.6	67.8	67.6	67.0	66.4	66.1	67.1	68.2	69.7	70.6	71.0	70.6	69.7	69.2	68.7	67.4	67.6	66.8	67.0	67.3	67.4	
4 *	67.6	68.1	67.8	67.5	68.0	67.7	67.0	66.0	66.1	66.8	68.0	69.2	71.0	72.4	71.7	70.8	69.0	69.2	69.0	68.6	68.1	67.8	67.4	67.6	
5 *	67.6	67.9	67.9	68.0	68.0	67.8	67.6	66.8	66.2	66.6	68.0	69.1	70.9	71.9	71.1	70.0	69.4	69.5	69.1	68.6	68.3	68.2	68.0	68.2	
6 **	68.0	68.0	68.5	68.1	66.3	65.7	66.3	66.3	65.8	65.9	67.5	72.5	73.9	73.6	74.6	75.9	77.0	66.7	65.2	55.7	58.9	61.5	49.0	61.0	
7	64.5	66.0	69.0	69.0	68.4	69.0	68.7	67.4	69.0	68.6	69.5	69.5	69.9	71.8	70.0	70.9	66.5	70.2	64.0	63.8	64.7	62.0	60.0	60.4	
8 **	61.3	66.5	66.7	65.6	64.7	66.9	66.2	68.8	71.4	69.4	69.9	69.5	69.2	69.4	71.8	64.7	67.6	70.0	67.7	60.8	57.2	61.2	64.8	68.0	
9	69.0	67.0	67.4	68.6	68.8	65.7	66.5	65.8	65.4	66.8	68.6	71.3	71.7	72.6	72.1	62.7	67.6	65.9	65.0	59.2	62.6	64.8	67.6	63.2	
10	64.9	67.0	65.4	67.0	66.5	65.6	65.4	66.3	66.7	69.1	68.3	71.2	70.8	72.0	70.7	71.8	69.3	69.1	63.8	56.4	57.6	59.7	59.9	50.8	
11	50.4	60.0	55.3	63.7	67.4	65.7	65.4	66.7	66.7	66.1	68.2	69.0	71.7	71.5	71.0	70.3	67.3	66.2	65.6	64.0	60.4	60.4	62.8	60.9	
12	62.1	64.5	63.3	68.8	70.2	70.0	64.8	66.5	66.0	66.2	68.2	70.6	71.4	73.5	71.2	69.0	63.2	68.7	69.5	60.4	58.8	63.8	66.0	63.8	
13	62.3	65.7	66.9	66.0	68.4	67.9	66.9	66.3	65.9	66.0	68.6	69.9	72.5	72.5	74.3	67.4	70.1	70.0	69.3	67.2	64.0	55.5	63.6	62.0	
14	64.9	67.8	67.9	67.3	66.6	67.2	67.8	67.3	66.9	66.2	67.4	70.3	71.7	72.2	69.3	70.9	70.2	67.4	66.1	64.0	65.1	63.9	66.0	65.8	
15	66.1	66.9	67.3	67.9	65.6	65.4	66.9	66.6	66.5	65.7	66.9	68.9	69.8	71.2	70.3	69.6	68.1	68.3	68.0	67.2	66.9	66.9	64.9	63.8	
16 **	64.8	65.8	64.9	62.9	63.7	66.0	67.5	73.8	71.9	71.9	74.4	73.2	73.2	75.9	70.9	69.5	70.3	67.2	66.9	65.8	57.7	59.1	63.6	62.5	
17	64.6	71.7	66.4	64.9	64.9	65.5	65.5	64.7	63.9	64.1	66.4	70.3	69.1	72.2	71.2	70.9	68.9	68.6	67.4	67.6	66.9	66.6	66.7	66.8	
18	66.1	63.4	64.9	67.4	66.3	66.2	66.8	67.1	67.2	67.7	70.2	71.2	72.6	72.6	72.2	70.9	69.0	69.5	68.8	63.9	63.3	60.1	65.9	65.9	
19	61.0	61.9	61.2	68.5	68.0	67.4	67.9	69.3	68.2	69.2	69.3	71.7	72.6	72.7	71.8	70.4	68.6	66.2	64.2	62.8	61.0	64.4	61.2	64.1	
20	67.3	66.3	67.9	68.0	68.3	69.1	67.6	67.6	67.3	67.3	68.4	69.3	69.7	69.8	68.5	66.7	64.0	66.4	67.8	66.8	66.9	67.4	67.2	67.8	
21 *	66.9	67.3	68.1	68.5	67.5	67.1	67.2	66.9	67.0	66.9	67.6	68.9	70.1	70.4	70.0	69.4	68.2	69.7	69.0	67.9	66.8	66.0	67.3	66.7	
22 *	67.4	67.4	67.0	67.0	66.9	66.6	67.1	67.3	67.7	67.3	67.8	68.5	69.5	69.5	69.3	69.2	68.2	68.6	68.3	66.3	63.3	66.8	67.3	67.1	
23	66.9	67.1	66.3	67.4	66.9	67.3	67.5	66.9	67.2	68.3	68.8	69.7	69.9	69.7	68.7	67.6	67.7	68.6	68.5	68.1	67.9	68.6	68.7	66.5	
24 **	57.3	46.5	39.6	35.5	48.4	59.4	62.9	64.2	65.1	67.5	69.1	73.8	75.3	71.5	73.4	73.4	62.7	63.2	66.3	61.0	64.9	64.3	61.0	61.3	
25	69.3	64.0	65.3	65.3	64.7	65.5	65.5	66.5	67.0	68.2	70.3	71.5	72.4	69.9	68.4	67.8	67.1	68.1	68.6	67.0	67.7	67.2	67.0	66.7	
26	65.9	65.4	64.7	63.9	64.3	63.2	64.1	64.2	66.6	67.0	69.7	70.9	70.4	71.5	70.5	70.4	71.8	65.0	68.0	67.9	67.2	67.6	62.8	55.0	
27 **	63.6	64.7	67.6	69.1	68.1	68.7	69.2	70.9	69.5	67.9	68.9	70.1	71.8	71.3	69.4	68.4	64.2	66.0	67.6	65.4	61.1	61.7	59.5	63.5	
28	66.7	68.5	72.3	68.7	68.9	67.1	68.3	68.1	68.0	69.3	69.1	70.5	71.0	71.4	70.0	66.7	62.9	61.9	62.0	65.5	67.0	65.2	65.6	65.3	
29	66.4	67.9	67.2	67.9	66.9	66.6	67.5	67.4	67.2	66.6	68.5	72.4	70.9	72.9	69.7	69.0	64.9	66.4	67.0	66.7	66.3	64.7	59.3	59.4	
Mean	64.9	65.7	65.6	66.1	66.4	66.6	66.8	67.3	67.4	67.7	68.9	70.6	71.3	71.7	70.9	69.5	67.8	67.6	67.1	64.5	63.9	64.2	64.3	64.0	
Mean *	67.3	67.7	67.8	67.7	67.6	67.4	67.2	66.7	66.6	66.9	67.9	69.1	70.4	71.0	70.5	69.8	68.8	69.1	68.6	67.8	66.7	67.2	67.5	67.4	
Mean **	63.0	62.3	61.5	60.2	62.2	65.3	66.4	68.8	68.7	68.5	70.0	71.8	72.7	72.3	72.0	70.4	68.4	66.6	66.7	61.7	60.0	61.6	59.6	63.3	

* 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
March	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	63.9	63.2	63.7	65.7	66.7	66.7	67.6	68.2	69.2	69.7	71.1	72.1	72.1	72.5	70.7	67.5	69.5	68.3	67.7	66.9	66.6	66.5	65.9	65.8	
2 *	66.3	66.6	66.9	67.6	68.5	67.5	66.7	66.5	66.5	67.4	68.9	70.6	71.0	71.2	71.1	69.9	68.5	68.6	68.3	68.1	67.2	66.8	66.6	66.5	
3	66.9	66.9	67.2	67.8	67.3	66.9	67.2	66.5	66.5	67.3	68.8	70.7	74.7	77.7	76.9	73.9	74.9	72.9	64.4	67.9	60.0	57.2	56.3	47.6	
4 **	60.9	60.9	66.5	69.1	64.7	66.2	65.9	65.5	68.5	71.4	71.7	74.3	71.8	71.2	72.6	76.7	69.5	64.7	68.1	61.2	59.9	62.5	61.5	57.2	
5 **	61.1	66.7	65.6	59.5	63.2	69.7	66.1	67.2	68.5	70.5	70.2	70.9	73.9	68.0	73.6	65.9	64.9	57.9	66.6	58.4	57.7	64.4	61.5	46.9	
6 **	59.7	58.2	54.5	61.4	63.4	72.5	66.4	62.9	66.4	66.4	68.9	69.1	70.1	71.9	70.1	70.2	70.9	70.9	64.6	58.7	65.6	57.5	61.9	61.6	
7 **	66.1	66.5	65.7	70.6	65.1	63.1	64.2	65.2	66.3	68.4	68.2	71.5	71.9	73.8	71.2	67.4	69.9	55.9	62.0	66.4	61.8	63.4	60.9	66.9	
8	61.0	59.8	66.0	67.3	66.0	66.5	66.9	66.3	66.0	68.9	70.7	72.2	75.4	70.9	71.2	70.9	61.9	64.4	61.6	61.9	63.9	62.5	62.9	61.5	
9	68.0	58.4	63.3	64.9	63.7	65.3	64.7	65.6	67.3	68.5	69.4	70.7	71.1	71.6	71.9	67.0	67.5	63.0	60.9	56.2	59.3	55.8	62.8	60.9	
10	63.2	65.5	66.5	63.5	64.9	65.5	66.0	66.9	69.3	67.6	70.2	72.3	72.6	74.5	71.5	70.7	68.5	62.9	64.2	59.2	59.8	63.5	64.9	58.7	
11	63.8	66.3	67.9	66.9	64.8	63.9	65.1	65.6	65.5	67.0	68.7	70.6	73.4	71.2	73.5	68.9	67.2	68.7	53.2	64.2	65.4	65.9	66.0	65.9	
12	66.9	62.9	67.3	65.6	65.7	64.4	66.3	65.7	66.6	66.8	67.6	71.1	73.9	73.5	74.3	70.1	67.6	67.3	58.6	62.3	65.2	65.5	66.5	66.3	
13	65.7	66.9	67.2	66.3	65.6	65.2	65.2	64.6	65.2	65.5	66.5	68.7	71.9	72.9	71.3	70.4	68.6	68.3	67.7	67.7	66.9	66.5	64.3	65.2	
14 *	65.3	64.7	65.7	65.3	65.2	65.7	65.7	64.8	64.3	64.6	67.2	69.2	71.3	72.6	71.3	70.0	68.6	68.0	67.5	66.7	66.4	66.3	65.1	63.7	
15	61.3	62.4	63.4	64.0	63.8	63.8	64.0	65.0	64.0	64.7	66.8	69.7	72.5	73.0	70.8	71.1	72.1	72.7	72.9	70.9	65.9	59.7	61.7	65.5	
16	66.3	66.0	65.6	66.1	68.5	66.0	65.1	65.2	66.5	67.3	70.1	72.6	72.2	72.0	71.4	71.3	68.5	67.3	67.8	64.0	61.8	64.7	65.1	65.0	
17	69.2	65.2	68.1	66.9	70.0	68.4	69.1	66.4	66.0	65.9	68.4	70.5	72.5	73.9	73.4	72.2	68.0	62.4	66.7	68.2	67.6	67.5	65.4	66.2	
18	66.0	66.7	66.4	66.9	68.2	67.1	67.9	66.7	67.0	66.0	68.2	69.4	71.3	71.5	71.3	70.2	68.8	69.0	68.2	67.3	66.7	66.1	66.7	66.8	
19 *	67.3	67.3	66.5	66.5	66.3	66.2	66.0	64.6	63.6	63.4	65.6	68.2	70.3	71.0	71.1	70.0	67.4	67.5	67.0	65.3	63.5	64.2	64.6	66.4	
20 *	66.8	66.5	66.5	66.3	66.4	66.5	66.1	65.1	64.6	64.4	66.2	69.0	70.6	71.2	71.1	70.4	69.0	69.0	68.9	68.4	68.4	68.0	67.8	67.6	
21	66.7	65.4	63.4	65.0	64.8	65.0	64.7	64.3	64.0	66.3	72.0	71.1	73.1	71.1	69.9	75.3	71.2	69.7	67.3	65.2	62.7	60.5	64.2	67.0	
22	61.7	63.8	66.7	63.1	65.0	63.8	63.7	63.0	63.4	66.0	69.1	71.2	71.9	72.0	72.0	68.3	66.3	67.5	65.3	63.5	66.0	64.6	61.4	57.4	
23	72.3	58.8	57.0	58.3	58.1	59.0	60.3	64.6	65.0	65.3	68.8	70.0	72.0	72.4	71.6	69.7	70.1	68.7	53.6	62.8	69.0	68.4	68.0	67.0	
24	64.4	66.0	65.9	68.0	64.8	63.2	63.7	63.0	63.8	66.0	68.3	70.6	71.3	72.8	73.6	66.7	69.0	67.0	65.0	64.8	63.4	62.7	65.4	65.9	
25	67.8	66.0	65.4	66.1	65.3	67.0	65.9	64.5	65.2	65.9	69.8	71.2	71.0	72.2	72.6	70.2	66.9	64.8	65.5	59.3	63.0	62.1	64.5	67.1	
26	66.9	69.2	65.2	63.3	64.5	64.7	64.3	63.0	63.2	64.7	67.5	71.6	74.8	75.4	73.6	69.1	68.3	68.9	68.1	65.1	57.3	66.0	66.8	65.3	
27	65.7	67.2	66.0	66.6	69.7	68.8	68.3	66.3	66.4	65.8	67.8	71.2	72.8	73.8	72.8	70.9	68.0	65.2	68.2	67.0	65.2	64.3	65.3	66.4	
28 *	66.6	66.0	66.0	65.8	65.6	65.8	65.0	63.7	64.0	65.0	67.1	70.0	72.3	72.8	71.9	70.3	69.1	69.2	69.2	68.0	67.2	67.0	66.4	66.1	
29	65.9	66.0	66.2	66.1	65.9	65.8	65.1	63.5	62.0	61.6	64.3	69.0	71.9	74.1	74.2	72.6	70.2	68.3	67.3	66.3	66.8	66.0	62.5	59.0	
30	60.6	62.0	65.0	64.7	66.8	66.8	65.2	63.4	61.6	62.0	64.3	67.7	71.3	76.0	77.8	78.9	78.0	68.4	66.3	66.8	61.6	58.7	58.3	55.4	
31 **	50.6	49.1	50.0	58.9	59.0	63.6	64.6	64.3	65.0	68.5	67.0	68.8	71.3	71.8	74.0	75.3	66.8	70.7	68.9	66.0	60.9	65.0	62.3	62.6	
Mean	64.7	64.1	64.8	65.3	65.4	65.8	65.6	65.1	65.5	66.4	68.4	70.5	72.2	72.6	72.4	70.7	68.9	67.0	65.5	64.7	64.0	63.9	64.0	62.9	
Mean *	66.5	66.2	66.3	66.3	66.4	66.3	65.9	64.9	64.6	65.0	67.0	69.4	71.1	71.8	71.3	70.1	68.5	68.5	68.2	67.3	66.5	66.5	66.1	66.1	
Mean **	59.7	60.3	60.5	63.9	63.1	67.0	65.4	65.0	66.9	69.0	69.2	70.9	71.8	71.3	72.3	71.1	68.4	64.0	66.0	62.1	61.2	62.6	61.6	59.0	
April	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	62.1	63.0	62.8	63.8	66.5	65.0	65.0	67.1	68.0	65.4	65.1	67.0	70.0	74.2	72.4	74.2	72.1	67.6	65.6	66.0	68.2	66.8	66.7	65.8	
2 **	64.2	60.0	53.3	57.0	59.3	60.4	62.8	64.1	67.1	66.5	70.2	69.6	72.0	75.4	74.6	73.0	72.3	67.0	64.0	64.3	63.9	63.5	61.7	71.6	
3 **	60.7	57.3	59.9	59.9	60.9	65.5	67.3	65.3	65.5	64.3	66.5	69.7	69.1	71.2	73.9	68.7	62.7	66.7	67.4	63.7	63.0	63.9	58.4	54.9	
4	65.1	65.1	65.7	64.0	64.1	64.5	64.9	64.1	67.6	72.0	69.2	70.7	72.1	71.2	71.5	72.7	67.9	65.5	59.5	61.1	58.3	62.1	65.1	64.2	
5	66.9	62.3	64.6	61.4	62.1	62.8	63.2	66.2	72.0	68.9	68.8	70.8	70.2	72.3	69.9	67.9	70.1	58.7	60.2	62.7	63.5	65.4	66.1	65.1	
6	61.0	61.1	62.6	63.7	63.8	63.5	63.4	62.3	64.1	66.0	66.9	69.6	74.0	73.0	73.2	70.4	65.6	66.9	65.7	58.2	58.4	64.8	69.0	69.7	
7	63.0	61.0	64.4	65.9	64.3	65.2	67.4	70.0	65.3	64.3	66.2	69.3	71.6	72.4	72.7	69.7	69.2	66.4	60.1	65.0	65.0	63.8	65.0	64.1	
8	63.7	64.3	64.1	62.7	65.4	65.0	62.0	59.4	61.2	63.0	66.2	72.0	74.4	76.0	71.6	70.2	68.9	67.0	59.3	58.6	53.7	59.8	61.2	64.8	
9	63.2	62.0	58.2	62.8	61.3	62.2	61.8	61.0	61.8	64.2	66.4	71.1	73.0	73.1	71.3	70.0	70.0	63.0	61.0	65.2	65.7	60.9	66.2	64.4	
10	59.0	63.5	61.4	59.3	59.9	63.0	64.0	64.2	63.9	64.1	67.0	70.0	72.3	73.7	72.0	69.8	67.8	66.1	65.0	63.6	64.4	62.2	63.0	64.5	
11	65.3	66.2	66.7	66.1	65.4	64.7	63.4	63.8	64.2	64.0	65.4	68.7	71.1	71.4	69.9	68.9	67.3	66.3	65.4	63.9	65.4	65.5	65.1	65.4	
12 *	65.3	68.9	65.8	64.3	62.7	62.4	62.3	62.2	61.0	61.8	64.1	67.3	70.9	72.3	71.3	70.0	68.9	67.5	66.6	66.3	65.2	64.3	65.3	65.6	
13	65.8	64.7	63.3	64.8	65.0	62.8	63.0	62.0	61.0	62.0	64.6	67.2	71.0	72.3	71.8	70.7	69.2	68.0	66.8	63.0	64.3	66.4	66.4	65.4	
14	64.0	65.2	65.0	65.0	65.1	65.1	65.0	63.4	62.6	63.1	64.1	66.5	70.1	71.3	72.0	72.3	71.3	68.3	67.8	67.6	66.9	62.3	64.4	65.2	
15	65.0	64.7	67.3	66.0	67.2	66.0	65.7	63.6	63.6	63.8	65.8	68.8	73.3	71.9	73.6	74.6	71.9	70.1	67.3	65.1	66.1	65.8	66.0	66.0	
16	65.1	65.3	66.7	64.1	66.2	69.4	70.4	67.6	65.8	64.0	65.4	67.8	71.2	73.1	72.0	72.2	71.2	69.5	68.0	64.4	64.4	62.7	64.0	64.7	
17	65.1	64.4	65.7	67.6	68.0	64.7	65.3	62.8	62.0	62.8	64.3	67.0	68.7	70.7	70.0	68.7	67.5	66.7	66.3	65.8	65.0	65.4	65.7	65.5	
18	65.4	65.2	65.2	65.5	65.2	65.0	63.7	62.6	61.6	61.7	63.6	66.4	70.4	73.7	72.6	72.0	70.1	69.8	67.0	66.6	63.5	63.0	60.2	60.0	
19	63.1	63.2	61.4	64.1	65.1	62.9	62.2	62.5	62.8	63.7	66.2	69.1	73.2	75.6	76.1	72.2	69.3	67.0	61.0	56.7	63.6	63.9	60.0	62.5	
20 *	64.1	65.1	63.8	64.2	63.9	64.7	63.9	62.5	62.1	64.2	67.7	70.4	72.7	72.8	70.8	69.3	68.2	67.6	67.6	67.2	67.0	63.2	62.2	59.0	
21 **	63.4	63.5	59.7	60.7	60.6	60.3	61.0	62.9	63.3	64.5	67.3	70.5	78.5	84.4	95.8	87.9	81.9	77.0	58.5	62.0	57.8	56.0	61.5	63.6	
22	66.7	68.1	65.1	63.1	61.8	62.3	66.1	67.8	68.5	68.3	69.4	70.1	70.9	70.5	70.1	68.9	69.7	68.6	68.1	67.4	67.2	66.6	65.5	66.0	
23	65.4	65.1	68.1	66.4	62.5	62.3	61.9	62.9	63.2	64.8	67.1	69.1	70.6	71.8	71.1	68.8	67.1	66.6	63.0	63.8	65.5	65.9	65.8	65.5	
24	65.5	65.5	65.5	65.4	65.1	65.0	63.8	62.5	62.2	63.1	66.0	69.8	71.6	71.8	71.2	71.1	70.1	67.9	66.5	66.3	66.3	57.1	56.3	60.3	
25 *	64.8	65.1	65.1	64.8	64.1	63.7	63.0	63.1	62.7	63.5	66.1	70.4	72.0	72.4	71.1	69.7	69.1	68.5	67.1	66.4	66.2	65.8	65.5	65.4	
26 *	65.5	65.1	65.5	64.9	64.7	64.4	63.5	62.4	61.6	62.6	65.7	69.6	71.9	72.8	72.4	71.8	70.8	69.7	69.9	64.3	64.4	64.4	65.1	65.3	
27 *	65.4	64.8	64.6	64.5	64.5	63.8	63.4	62.1	61.7	63.0	65.8	68.5	71.1	72.4	71.8	71.1	70.1	69.4	68.8	68.2	67.3	66.1	65.9	64.7	
28	63.3	66.4	63.4	70.2	66.2	64.8	63.1	60.1	60.6	61.9	64.6	67.2	72.6	74.8	76.6	75.3	73.5	69.3	65.8	65.0	65.5	65.2	64.2	61.4	
29 **	62.3	63.0	63.6	61.6	61.6	63.0	62.7	64.2	67.5	64.5	67.3	71.4	74.2	75.3	75.9	77.6	75.3	64.1	63.5	57.7	54.7	62.1	63.4	59.4	
30 **	57.3	57.3	61.4	60.9	61.2	62.8	61.7	62.8	62.1	62.3	66.4	69.7	73.5	73.1	72.6	71.1	63.9	67.0	66.7	62.3	61.1	65.9	57.8	65.8	
Mean	63.9	63.9	63.7	63.8	63.8	63.9	63.9	63.6	63.9	64.3	66.3	69.2	71.9	73.2	73.1	71.7	69.8	67.5	65.0	63.9	63.7	63.7	63.8	64.2	
Mean *	65.0	65.8	65.0	64.5	64.0	63.8	63.2	62.5	61.8	63.0	65.9	69.2	71.7	72.5	71.5	70.4	69.4	68.5	68.0	66.5	66.0	64.6	64.9	64.0	
Mean **	61.6	60.2	59.6	60.0	60.7	62.4	63.1	63.9	65.1	64.4	67.5	70.2	73.5	75.9	78.6	75.7	71.2	68.4	64.0	62.0	60.1	62.3	60.6	63.1	

* International Quiet Day. ** International Disturbed Day.

MAGNETIC OBSERVATIONS, ABINGER, 1952.

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 **	60.2	57.2	66.6	58.6	62.9	62.5	63.2	63.1	63.9	64.7	68.0	71.2	71.3	72.4	70.2	69.3	68.6	63.5	65.8	59.3	64.6	64.3	61.8	70.3
2 **	66.4	59.2	69.2	66.8	61.2	60.9	62.0	60.6	62.1	63.3	66.4	68.8	73.1	71.9	71.6	68.5	67.9	68.6	65.7	60.2	64.4	63.8	68.5	64.5
3 **	65.2	65.7	63.7	64.2	63.8	68.3	64.5	65.2	63.2	63.9	66.4	68.5	70.0	70.6	69.5	66.9	67.8	67.8	62.2	61.8	57.6	56.2	51.2	55.1
4	54.0	53.2	58.2	62.7	63.4	62.0	61.7	62.8	63.6	64.6	67.5	67.9	69.2	68.4	67.3	68.5	63.8	68.2	63.9	60.6	62.7	61.2	58.9	57.8
5	60.9	65.3	58.2	60.5	61.2	62.5	62.7	64.2	65.4	66.3	70.0	73.0	73.1	69.2	68.3	67.7	66.8	65.9	63.8	65.0	65.2	62.3	61.3	59.4
6	56.2	59.4	61.5	60.3	60.6	63.8	64.2	70.8	69.9	68.7	70.2	70.9	70.8	69.2	68.4	68.2	67.0	66.6	65.9	65.2	64.2	63.4	62.7	59.4
7 **	60.6	62.9	65.6	65.2	65.9	66.6	64.9	70.2	70.0	67.6	72.8	73.3	76.3	73.2	71.1	70.7	72.1	64.2	64.6	60.9	61.2	65.2	56.7	63.2
8	64.4	62.0	62.6	58.2	59.2	57.6	57.9	60.1	65.6	62.6	67.0	70.7	72.2	72.5	72.6	73.6	71.2	68.9	67.0	65.8	65.7	64.1	64.8	64.4
9 *	64.2	64.0	63.2	62.5	61.7	61.5	61.5	61.4	62.3	65.4	68.9	71.2	72.0	71.2	69.6	68.1	67.2	67.3	66.3	65.8	65.2	65.2	64.2	63.8
10 *	62.2	63.4	63.6	63.4	63.2	61.7	60.8	60.1	61.2	62.9	67.1	70.2	73.2	73.2	70.8	68.9	67.6	66.6	65.8	65.6	66.0	65.6	65.7	65.3
11	65.6	65.2	65.2	64.3	64.1	61.9	60.6	59.8	60.8	63.0	65.8	69.4	72.1	74.5	74.2	74.0	76.0	73.3	68.8	67.0	65.6	66.1	66.2	66.2
12	66.7	69.6	65.0	65.1	64.5	64.4	60.8	59.8	60.1	61.9	64.9	67.8	69.3	70.0	69.2	68.3	68.0	67.3	66.0	65.7	62.4	65.2	66.8	66.5
13	66.7	66.1	66.1	65.1	64.1	63.1	61.7	62.1	62.5	64.9	68.0	70.7	71.9	72.0	69.1	67.9	67.3	67.0	66.1	66.0	64.6	61.2	65.2	65.6
14	67.4	62.6	62.1	63.1	61.8	61.8	62.1	61.9	61.9	63.5	66.7	69.9	72.1	73.0	71.4	69.0	67.5	66.4	65.9	66.4	66.4	66.1	65.7	65.5
15 *	65.7	65.7	65.4	64.5	63.0	62.0	61.2	60.9	60.1	60.8	63.4	66.6	69.3	71.1	70.5	69.5	67.6	67.4	66.1	66.2	66.4	66.5	65.9	65.9
16 *	65.5	65.5	65.9	65.3	64.1	62.5	62.1	61.9	62.3	63.5	65.8	68.9	71.4	71.1	70.0	68.6	68.1	67.7	67.1	66.7	66.5	66.7	65.4	65.5
17	65.7	65.6	65.1	64.3	63.4	62.3	62.7	63.0	63.5	65.2	67.9	70.0	70.6	69.6	68.8	68.2	67.4	67.6	68.1	69.2	69.0	69.0	68.2	65.8
18	62.5	62.1	60.4	59.1	60.2	60.5	60.3	61.6	65.7	67.9	68.9	71.1	69.3	69.7	70.7	70.7	68.5	63.4	66.3	68.0	65.3	63.7	66.2	65.4
19	70.3	65.5	66.3	63.3	71.9	64.0	60.1	60.7	62.6	66.5	68.2	69.4	71.0	71.5	70.3	69.1	67.0	66.2	65.9	66.2	64.6	65.3	65.9	66.7
20	65.8	63.8	65.5	66.3	63.8	59.4	59.1	60.1	62.3	63.7	66.3	69.3	71.7	71.7	71.3	69.5	68.2	67.4	66.5	66.0	66.2	62.2	63.8	64.4
21	64.8	67.4	66.6	64.5	62.9	62.0	62.0	59.4	60.7	63.4	65.1	68.1	71.7	72.7	72.9	71.1	68.8	66.4	64.3	65.1	65.4	65.3	65.4	66.0
22 *	66.4	66.0	64.7	63.8	62.9	61.9	61.1	61.3	62.0	64.3	67.6	70.4	71.4	71.2	70.6	69.4	67.4	66.8	66.0	65.6	65.5	65.7	65.4	65.4
23	65.4	65.0	65.2	64.0	62.8	61.9	61.6	61.7	62.1	63.8	66.8	68.6	70.4	71.1	71.7	71.4	69.3	68.1	67.0	63.1	65.7	66.4	66.3	65.8
24	65.4	63.4	63.3	65.9	63.4	62.4	61.6	61.4	61.9	62.8	65.7	69.6	71.7	71.8	71.4	71.3	70.8	69.4	69.1	68.0	67.5	66.8	65.0	63.6
25	59.6	56.3	58.3	60.3	59.2	61.3	61.6	60.9	63.4	64.6	66.2	68.3	70.4	71.5	71.3	70.7	69.7	67.8	67.1	66.3	65.7	65.4	65.3	65.2
26	65.0	64.9	64.9	64.3	63.6	62.8	62.1	60.9	59.6	62.6	65.9	70.3	74.5	76.1	76.1	74.6	76.4	73.2	66.0	70.3	69.7	53.0	54.2	51.0
27 **	50.5	51.5	50.7	60.7	60.4	60.2	58.7	59.8	62.5	65.3	68.6	70.9	72.2	74.6	72.5	72.5	69.6	71.5	68.1	66.3	58.3	59.9	62.0	63.0
28	61.4	63.1	64.5	65.5	62.6	60.7	60.7	60.2	59.6	61.0	63.8	68.0	70.6	70.9	73.3	67.6	69.4	69.5	67.2	67.2	64.4	63.1	63.6	65.1
29	58.3	57.9	62.4	63.4	66.6	65.0	59.9	59.5	58.8	63.1	64.9	66.5	69.0	69.2	70.6	70.2	69.1	63.6	67.5	63.4	63.5	64.0	63.2	64.5
30	65.5	66.4	64.2	66.1	66.6	61.6	63.4	62.5	62.8	63.1	64.7	68.2	69.8	70.8	70.5	69.5	67.7	67.2	66.5	61.8	62.9	65.2	65.9	65.6
31	61.2	59.8	60.1	60.2	60.2	66.6	65.2	62.6	61.1	62.9	64.8	66.9	70.1	70.8	70.4	70.2	68.9	67.6	65.1	65.2	64.7	65.1	65.2	67.2
Mean	63.2	62.8	63.4	63.3	63.1	62.4	61.7	62.0	62.7	64.1	66.9	69.5	71.3	71.5	70.8	69.8	68.8	67.5	66.2	65.2	64.7	64.0	63.8	64.0
Mean *	64.8	64.9	64.6	63.9	63.0	61.9	61.3	61.1	61.6	63.4	66.6	69.5	71.5	71.6	70.3	68.9	67.6	67.2	66.3	66.0	65.9	65.9	65.3	65.2
Mean **	60.6	59.3	63.2	63.1	62.8	63.7	62.7	63.8	64.3	65.0	68.4	70.5	72.6	72.5	71.0	69.6	69.2	67.1	65.3	61.7	61.2	61.9	60.0	63.2
June	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	64.2	63.2	63.1	62.6	63.7	62.1	62.0	60.9	61.1	62.2	64.2	65.6	68.2	68.6	68.2	67.6	67.8	67.8	66.7	66.0	65.2	63.8	64.9	64.5
2	63.5	63.4	64.9	63.2	63.9	62.2	59.8	60.0	60.6	62.7	65.6	67.5	69.7	70.8	70.4	68.7	68.2	68.2	67.6	65.4	62.9	65.0	65.8	65.2
3	64.5	64.0	64.2	62.6	61.9	60.2	59.7	60.1	60.7	62.4	64.6	67.0	69.2	69.4	69.2	68.8	67.9	68.1	67.6	64.5	65.3	65.1	64.0	62.3
4	61.3	60.2	60.2	60.6	60.8	60.2	59.2	59.4	61.2	63.2	65.1	66.7	68.2	68.7	68.6	67.9	67.3	67.2	66.8	63.8	64.3	65.1	64.6	63.2
5	62.6	62.4	61.4	60.4	59.7	59.6	59.2	60.2	60.6	61.8	64.8	69.2	70.9	72.1	72.6	71.4	68.6	67.9	67.2	66.2	66.1	66.0	65.6	65.2
6 *	65.7	63.8	63.2	63.2	61.4	61.1	60.6	61.4	62.3	64.5	67.3	69.2	70.5	70.7	69.2	67.8	67.3	67.4	67.0	66.5	66.2	65.7	65.6	64.7
7 *	64.8	64.2	64.9	65.0	63.2	61.6	60.2	60.4	61.2	62.6	64.8	67.2	69.6	71.0	70.3	69.8	69.9	69.2	68.2	66.8	63.8	64.7	64.6	64.0
8	63.6	62.9	63.7	60.3	59.2	60.1	60.6	61.5	63.8	66.2	68.9	71.8	72.3	73.2	74.8	73.2	72.7	70.2	68.2	66.8	63.1	64.0	62.6	63.7
9 **	66.6	65.2	63.1	62.0	61.7	64.1	61.8	59.1	57.5	60.6	64.3	68.0	70.6	74.5	70.6	69.9	69.8	68.8	68.2	66.5	64.4	63.4	63.6	65.8
10	67.5	65.4	63.7	62.8	63.1	61.6	60.7	60.7	62.1	64.3	65.6	67.2	69.6	72.3	72.2	69.6	69.6	68.7	67.7	65.4	62.2	59.7	60.3	63.8
11	64.2	64.2	64.2	63.2	62.7	63.1	64.6	61.9	60.7	61.4	63.1	65.2	67.8	69.8	71.1	69.9	68.8	69.2	68.6	66.8	65.9	62.4	63.2	64.3
12	65.2	66.5	63.9	62.8	62.4	61.8	62.0	61.3	60.6	61.5	63.8	66.3	68.5	70.1	71.1	70.2	69.3	68.3	67.7	67.2	66.5	65.5	65.3	64.8
13 *	64.7	64.2	64.2	64.1	63.1	61.7	59.7	59.5	59.8	61.5	64.4	66.9	68.5	69.2	69.6	69.6	69.4	68.1	67.6	66.7	67.2	65.1	64.2	64.4
14 **	64.6	64.4	63.8	63.1	60.9	62.3	62.2	63.2	62.8	64.8	67.6	69.3	72.3	73.2	71.0	71.0	70.6	68.0	60.9	62.9	66.2	67.6	58.5	64.8
15	64.7	63.8	64.6	68.2	65.5	60.8	58.7	60.3	60.5	64.2	65.6	67.2	68.6	68.2	67.6	67.7	67.7	66.6	66.9	67.2	66.0	65.2	66.4	63.5
16	64.9	65.7	63.4	65.2	63.1	65.4	66.2	65.6	63.0	63.5	64.9	66.8	68.7	68.1	68.9	67.0	66.4	66.9	66.4	67.2	66.7	65.6	65.6	65.0
17	64.3	65.7	65.0	63.8	65.1	63.1	62.7	61.7	62.2	62.7	64.3	65.7	67.5	67.5	69.0	69.7	68.1	68.7	69.1	66.9	66.6	66.6	66.5	66.2
18	63.0	60.0	59.4	63.2	65.6	61.7	59.8	58.8	58.7	61.3	64.1	65.5	65.8	66.7	67.7	68.1	67.4	66.0	66.1	66.0	66.7	66.3	62.8	63.7
19	64.2	64.3	63.7	63.4	62.2	60.7	60.3	60.8	61.1	62.0	63.0	64.6	66.7	68.4	68.9	69.2	68.6	67.0	66.3	65.4	65.7	65.7	66.0	65.6
20 *	64.6	64.7	64.1	64.7	63.3	61.7	60.3	59.6	59.0	59.3	61.3	64.5	67.1	68.3	68.7	68.1	67.7	66.3	65.3	65.1	65.1	66.3	66.2	65.7
21 *	64.6	64.9	64.3	63.6	62.3	60.8	60.7	60.9	61.0	62.0	64.8	68.0	70.1	70.7	70.3	69.8	69.7	69.2	67.7	67.3	66.7	66.3	64.7	62.7
22	63.2	62.8	62.8	62.5	60.7	59.7	58.2	57.8	59.7	61.8	66.2	69.3	72.6	75.3	75.0	73.8	73.2	66.9	65.1	64.6	63.3	61.6	63.8	59.0
23 **	59.1	59.4	59.5	65.0	60.3	57.9	58.1	58.1	62.0	65.7	66.3	70.5	72.7	74.8	73.7	73.0	69.3	68.8	68.0	67.2	66.2	58.7	56.9	57.9
24 **	64.7	64.9	57.3	58.1	56.3	56.1	58.8	59.9	60.3	63.1	66.3	69.9	74.5	75.1	73.9	71.6	68.3	68.3	66.6	65.3	66.3	65.0	66.1	68.6
25	65.2	64.3	64.6	64.5	62.9	61.9	60.8	60.2	59.5	60.8	62.4	67.8	71.5	73.4	71.6	71.9	71.8	69.8	66.5	65.6	66.6	66.9	65.1	66.0
26	62.2	60.7	62.2	60.6	58.1	58.5	57.8	57.0	59.2	61.8	65.8	70.9	71.6	74.8	74.6	69.8	71.0	69.5	67.2	66.2	65.2	64.9	64.5	64.5
27	64.2	64.3	63.8	64.0	62.0	61.9	62.4	61.5	60.7	61.2	62.8	66.5	70.0	71.3	72.0	70.1	70.4	67.6	66.8	66.2	65.6	65.2	63.8	62.4
28	61.5	62.9	63.4	63.2	62.5	62.2	61.4	59.7	61.4	61.7	64.2	68.0	70.4	70.6	70.2	69.2	67.9	66.6	65.8	65.5	65.6	65.4	65.2	64.8
29	64.8	64.2	63.0	62.3	61.2	59.2	59.0	59.6	61.2	62.9	65.0	67.5	69.4	70.0	70.2	69.1	67.8	67.0	67.1	65.6	64.1	61.8	56.6	63.7
30 **	55.2	54.6	49.0	48.4	62.6	68.7	60.2	60.6	64.2	67.4	70.9	72.3	73.0	73.6	72.5	69.6	68.0	66.7	65.5	65.9	66.3	65.2	64.2	63.4
Mean	63.8	63.4	62.6	62.6	62.0	61.4	60.6	60.4	61.0	62.7	65.1	67.7	69.9	71.0	70.8	69.8	69.0	68.0	66.9	66.0	65.4	64.7	63.9	64.1
Mean *	64.9	64.4	64.1	64.1	62.7	61.4	60.3	60.4	60.7	62.0	64.5	67.2	69.2	70.0	69.6	69.0	68.8	68.0	67.2	66.5	65.8	65.6	65.1	64.3
Mean **	62.0	61.7	58.5	59.3	60.4	61.8	60.2	60.2	61.4	64.3	67.1	70.0	72.6	74.2	72.3	71.0	69.2	68.1	65.8	65.6	65.9	64.0	61.9	64.1

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
July	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	63.1	62.4	62.3	61.6	60.2	59.6	59.8	60.6	60.8	61.2	63.4	65.5	66.7	67.0	68.1	68.1	68.1	67.5	67.0	66.7	67.8	67.5	62.6	58.9	
2 *	61.5	62.6	63.3	63.6	63.6	61.4	60.3	61.3	62.5	64.3	65.9	66.8	68.3	69.6	70.1	68.5	67.7	67.6	67.6	67.3	66.6	65.6	64.9	64.5	
3	64.6	64.9	64.6	63.3	62.5	62.5	63.2	63.1	62.1	62.5	63.1	64.7	65.7	67.1	67.6	69.5	69.4	67.8	66.5	67.0	64.3	65.8	66.3	64.6	
4	64.8	64.3	64.0	64.0	63.7	62.5	59.7	59.5	60.3	61.7	64.0	66.2	68.2	69.7	72.0	71.0	68.3	68.3	66.6	67.2	67.4	65.3	65.2	63.3	
5 **	62.6	60.4	61.1	62.7	64.4	67.3	67.3	65.8	65.9	66.7	65.8	68.8	69.8	67.7	70.7	70.2	70.3	64.7	63.3	62.0	58.6	61.3	60.3	62.9	
6 **	62.7	63.3	62.0	59.9	60.3	60.8	60.8	63.7	62.1	63.2	64.7	66.3	65.7	67.8	68.8	68.3	67.6	66.9	66.3	65.3	65.0	64.6	63.9	62.8	
7	62.0	64.1	64.5	64.1	63.6	63.5	62.6	61.6	60.6	61.8	64.2	66.5	68.8	69.8	70.2	69.5	69.0	67.2	66.2	66.2	65.6	65.2	64.7	64.2	
8	64.0	64.1	64.4	63.4	61.7	61.3	62.3	61.5	59.7	60.0	62.1	65.5	68.0	71.0	72.9	72.1	70.7	68.1	67.0	65.9	65.9	65.5	65.8	62.7	
9 **	62.6	63.1	65.4	64.0	61.7	59.7	62.8	65.1	62.8	62.3	66.9	68.5	72.1	72.2	72.0	70.7	67.7	68.1	66.8	65.6	63.4	63.5	64.6	64.0	
10	63.6	63.0	65.1	65.2	64.6	65.1	60.8	60.1	58.6	60.5	63.5	66.3	68.4	68.8	70.1	69.2	66.2	66.2	64.6	66.8	66.4	65.8	65.2	61.9	
11	61.0	63.6	62.0	63.0	66.1	65.1	63.3	59.1	58.5	59.5	61.1	63.3	65.7	67.9	68.5	68.3	68.0	66.5	65.1	65.1	65.5	65.1	64.6	64.0	
12	63.7	63.1	62.2	60.7	59.7	60.0	59.9	61.1	61.1	61.1	62.1	63.9	65.0	66.1	67.0	67.5	67.5	67.0	67.7	66.6	66.3	65.1	63.0	63.5	
13	63.2	63.0	62.5	63.1	63.0	61.1	60.1	59.7	60.2	62.1	63.8	65.7	68.1	71.1	72.1	70.9	70.2	69.4	67.7	66.9	66.3	66.7	65.5	65.1	
14	64.3	65.7	66.1	63.7	61.1	61.0	60.4	59.9	60.1	60.1	61.9	65.7	66.5	67.4	68.3	68.6	67.6	67.1	66.4	65.5	65.4	64.7	63.5	62.0	
15	63.0	60.5	61.4	62.1	64.1	62.1	60.8	59.9	61.1	63.1	65.2	66.7	67.9	68.8	68.4	67.4	67.4	67.1	66.3	65.5	65.4	65.4	63.5	61.0	
16	61.5	63.5	64.3	63.5	61.9	60.4	60.9	60.1	59.4	60.4	63.5	64.8	66.7	67.4	68.6	67.7	67.1	66.5	65.0	64.5	64.6	64.8	64.3	64.1	
17	64.1	64.0	63.4	63.7	64.7	62.8	62.8	62.2	61.7	62.8	64.2	65.8	67.7	68.8	69.2	69.2	69.5	68.5	66.8	66.2	65.6	65.6	64.6	64.2	
18	63.8	63.4	64.0	65.9	64.0	61.6	59.7	58.9	59.2	61.5	63.2	66.0	68.0	70.6	71.3	70.9	69.0	67.5	66.2	65.4	64.8	64.8	63.0	62.0	
19 *	63.2	63.5	63.2	63.0	62.0	60.6	60.3	61.0	61.6	62.2	64.6	66.7	69.0	69.2	68.8	68.4	67.8	67.0	64.9	65.8	65.8	65.8	65.3	63.2	
20 **	62.4	64.7	62.6	60.8	58.6	56.9	57.8	56.9	58.2	61.0	64.8	66.9	73.2	73.8	78.7	73.6	73.1	70.8	71.2	69.4	67.9	64.6	62.8	58.6	
21 **	60.3	61.3	61.4	61.2	65.6	61.7	61.9	61.8	63.1	62.7	63.9	66.9	71.2	71.5	72.2	67.7	67.5	67.8	63.4	64.7	64.7	61.3	63.7	61.2	
22	60.5	59.9	61.3	62.7	62.8	60.8	59.2	59.3	60.3	62.0	64.3	67.4	69.5	70.3	70.3	69.8	68.1	66.8	65.9	62.7	61.6	59.8	61.4	65.6	
23	63.3	63.2	63.7	64.1	62.0	60.6	58.8	57.7	58.7	59.3	62.2	65.9	69.3	70.1	70.5	69.8	68.3	67.3	66.7	66.2	65.3	60.8	61.9	62.7	
24	64.4	63.2	61.6	62.9	62.2	61.0	60.3	60.2	60.2	61.5	64.3	67.5	69.6	70.1	70.4	70.4	69.2	66.2	66.2	65.6	64.7	63.2	63.2	63.6	
25	62.6	62.7	62.7	62.8	61.3	60.6	59.2	59.6	59.8	61.8	64.9	67.6	69.4	69.6	69.6	69.6	65.9	65.8	63.6	65.2	63.7	62.7	62.2	62.3	62.4
26	63.3	61.7	61.7	63.1	60.2	59.8	58.7	61.2	62.4	63.2	64.3	66.2	68.6	69.4	68.1	67.8	67.3	67.1	65.7	65.5	65.2	64.6	64.6	63.5	
27	63.5	65.2	63.5	62.7	62.5	61.8	61.6	61.3	61.6	62.7	64.9	66.9	70.2	69.6	70.2	68.8	68.5	67.3	66.7	66.2	65.2	63.4	58.5	60.1	
28 *	61.6	61.2	58.9	60.5	60.5	59.8	59.4	59.5	60.9	62.4	64.2	65.5	67.8	69.1	69.3	68.6	67.0	66.2	65.8	65.6	65.0	64.2	64.0	63.6	
29 *	63.1	62.6	62.8	62.7	62.7	61.8	60.8	61.2	61.2	61.6	62.9	65.8	68.4	69.2	68.8	68.3	67.6	67.1	66.1	65.6	65.4	64.3	64.0	63.2	
30 *	62.8	61.8	62.0	61.6	60.9	60.5	60.2	60.1	59.6	60.6	63.0	65.6	67.2	67.9	68.3	68.7	68.8	67.8	66.2	65.5	65.2	64.4	64.2	63.3	
31	62.2	62.6	62.9	62.3	61.4	60.4	59.7	60.1	63.6	65.5	67.0	69.8	71.9	71.3	70.8	69.6	68.9	68.1	65.8	65.1	60.2	63.5	64.6	64.3	
Mean	62.9	63.0	62.9	62.8	62.4	61.4	60.8	60.7	60.9	62.0	64.0	66.3	68.5	69.4	70.1	69.2	68.4	67.3	66.2	65.7	65.0	64.3	63.7	62.9	
Mean *	62.4	62.3	62.0	62.3	61.9	60.8	60.2	60.6	61.2	62.2	64.1	66.1	68.1	69.0	69.1	68.5	67.8	67.1	66.1	66.0	65.6	64.9	64.5	63.6	
Mean **	62.1	62.6	62.5	61.7	62.1	61.3	62.1	62.7	62.4	63.2	65.2	67.5	70.4	70.6	72.5	70.1	69.2	67.7	66.2	65.4	63.9	63.1	63.1	61.9	
August	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	64.6	63.8	63.1	66.2	63.2	61.6	61.6	63.1	62.8	63.5	65.6	67.4	68.3	68.2	68.0	68.2	68.0	67.1	65.8	64.5	62.2	63.7	63.9	63.1	
2	61.3	62.8	60.1	61.2	60.6	59.2	58.8	58.9	60.0	62.6	65.6	68.8	70.3	70.7	70.6	69.9	69.0	67.8	65.1	65.1	66.6	65.8	64.6	62.6	
3 **	62.1	62.9	63.1	64.7	68.3	64.1	62.7	62.5	63.9	63.6	66.4	67.6	69.9	72.1	74.6	75.1	69.5	66.7	65.7	64.8	62.4	63.1	61.8	62.7	
4	63.7	65.0	65.1	61.9	60.0	59.7	61.9	62.7	60.9	61.5	63.2	65.3	67.8	68.8	69.1	69.4	68.4	67.5	65.7	60.6	61.9	61.6	61.9	64.0	
5	60.5	59.1	59.6	61.1	62.2	62.5	61.6	61.5	61.7	61.9	64.6	66.3	69.3	71.3	71.6	70.7	68.1	65.9	65.1	65.0	65.1	64.8	64.1	62.9	
6	64.7	62.1	59.0	61.0	65.7	65.2	62.1	62.1	62.3	61.9	63.6	67.1	70.1	71.2	68.9	66.5	65.6	65.2	62.9	63.8	64.5	64.7	64.2	63.8	
7	61.6	57.6	62.1	61.8	61.9	62.4	62.1	61.1	61.1	62.1	65.1	68.7	71.6	72.1	72.1	68.7	67.3	65.3	62.6	62.2	64.1	64.0	64.0	64.1	
8	64.1	63.2	63.1	62.5	62.6	62.9	61.2	59.1	59.1	59.8	62.3	64.9	67.2	68.3	68.6	68.5	66.5	65.2	64.1	63.4	61.9	62.5	63.5	63.9	
9	63.6	63.6	63.1	64.1	62.2	60.7	59.8	59.1	59.0	59.7	62.1	66.0	68.6	69.9	69.6	68.6	67.6	66.2	62.6	62.1	63.2	62.4	61.9	60.7	
10	61.2	61.9	56.1	59.8	59.1	59.0	59.9	59.8	60.1	63.1	66.5	69.4	71.8	71.1	72.5	74.1	72.1	67.2	62.7	63.1	64.4	64.9	62.1	60.7	
11	60.6	63.1	66.6	60.9	61.3	59.7	59.3	58.4	58.4	60.7	63.5	65.7	66.8	68.9	69.8	68.1	66.7	66.1	65.8	66.1	66.3	65.7	58.7	61.5	
12 **	59.3	61.8	59.4	60.5	60.8	61.5	60.5	61.4	61.2	63.5	66.1	69.1	70.7	70.9	71.3	69.5	65.5	65.1	65.1	62.6	62.2	62.1	62.9	62.4	
13	64.1	63.6	63.1	62.9	62.7	62.9	61.1	60.1	60.1	62.2	64.9	67.5	69.7	71.6	71.0	69.9	67.1	65.1	64.1	64.1	63.9	64.0	63.4	63.7	
14 *	64.1	63.2	62.7	61.6	62.5	63.5	61.2	59.8	59.0	60.5	63.9	66.9	68.5	68.2	67.4	66.1	65.1	64.6	63.9	63.3	64.3	64.6	64.5	63.9	
15	63.7	65.2	63.6	62.0	61.1	60.8	60.5	59.5	60.1	62.5	65.9	69.2	70.9	71.0	70.1	67.7	65.5	64.5	64.5	64.5	63.5	63.1	64.5	64.5	
16 *	63.1	61.7	61.9	60.1	59.1	57.8	59.3	58.8	58.8	60.4	63.5	66.8	68.6	68.4	67.5	65.2	64.1	63.4	63.5	63.6	63.9	63.5	63.1	63.1	
17 **	63.1	63.1	61.7	62.1	62.2	59.2	58.1	56.6	58.1	61.3	64.9	68.6	68.5	69.6	70.8	71.1	69.8	66.5	64.5	53.3	53.1	60.0	62.3	62.8	
18 **	59.9	63.8	58.6	61.5	64.6	63.2	59.4	60.1	61.1	62.3	65.4	68.4	71.9	71.7	68.3	67.5	67.4	64.3	64.9	64.8	64.1	62.1	53.3	58.6	
19	60.1	63.5	66.3	63.4	60.5	62.1	60.3	58.7	59.3	61.6	65.1	68.9	71.0	70.4	69.5	68.4	64.3	63.1	63.2	63.2	62.5	62.9	62.9	61.7	
20	62.8	64.6	66.5	64.0	64.6	66.5	65.0	61.5	60.7	62.5	65.4	69.1	69.9	68.9	67.2	66.6	66.5	65.3	63.0	63.2	63.9	63.3	58.7	60.8	
21	61.0	61.0	60.5	60.4	59.7	59.4	59.1	59.1	59.7	62.3	66.6	70.7	72.1	72.1	70.5	68.4	66.5	65.5	65.5	65.1	64.1	64.2	63.6	63.5	
22	63.1	63.2	63.0	62.0	61.7	61.3	60.3	59.2	59.4	61.2	65.0	68.9	71.2	70.8	69.2	67.2	66.0	64.0	64.1	64.9	65.1	64.2	60.6	61.1	
23	58.7	60.2	59.1	58.9	59.6	59.1	57.9	57.0	57.3	59.6	64.5	69.1	72.7	72.8	71.2	69.5	68.6	66.7	65.1	65.3	64.9	64.0	62.5	63.1	
24	63.1	62.9	62.6	62.3	61.7	61.1	59.7	58.7	58.7	60.7	64.4	67.8	71.2	72.8	72.1	71.3	69.1	66.4	65.4	65.1	65.3	64.1	63.9	63.1	
25 *	63.1	62.5	62.7	62.3	62.3	61.5	59.8	58.5	58.5	61.3	65.1	69.1	71.7	72.3	70.7	68.1	65.9	64.1	63.1	62.7	62.8	62.1	62.5	63.4	
26 *	62.9	63.6	63.9	63.1	61.0	59.9	58.1	57.9	57.7	60.5	64.7	68.5	70.9	71.7	70.8	68.1	66.4	65.9	65.7	65.5	65.7	64.5	63.9	61.7	
27	62.3	63.1	62.2	60.5	60.6	60.0	60.1	60.1	63.5	63.8	65.5	68.7	70.8	70.3	70.1	69.1	66.7	65.0	64.1	64.6	64.4	64.7	64.1	62.8	
28 *	62.9	63.7	62.1	61.8	62.1	61.6	60.1	58.6	58.5	59.8	62.9	65.5	67.3	67.5	66.7	66.1	64.7	64.5	64.4	64.5	64.7	64.1	64.1	63.5	
29	63.3	61.7	62.3	61.6	61.5	61.8	61.6	60.6	59.9	60.5	63.5	67.0	69.0	69.7	70.1	69.7	67.5	67.0	66.1	64.9	59.8	55.1	57.6	55.6	
30 **	57.2	57.4	54.1	56.4	55.0	57.1	56.9	58.0	58.1	60.1	62.8	65.6	67.5	68.5	69.1	69.1	67.8	65.7	64.5	64.1	62.6	60.1	63.6	63.3	
31	63.1	63.1	62.4	63.1	62.5	61.1	61.0	61.9	61.9	62.8	64.1	66.5	68.2	68.9	68.4	67.1	66.1	65.2	64.2	62.5	63.1	61.0	59.1	60.1	
Mean	62.2	62.5	61.9	61.8	61.7	61.2	60.4	59.8	60.0	61.6	64.6	67.7	69.8	70.3	69.9	68.8	67.1	65.6	64.4	63.6	63.4	63.1	62.3	62.3	
Mean *	63.2	62.9	62.7	61.8	61.4	60.9	59.7	58.7	58.5	60.5	64.0	67.4	69.4	69.6	68.6	66.7	65.2	64.5	64.1	63.9	64.3	63.8	63.6	63.1	
Mean **	60.3	61.8	59.4	61.0	62.2	61.0	59.5	59.7	60.5	62.2	65.1	67.9	69.7	70.6	70.8	70.5	68.0	65.7	64.9	61.9	60.9	61.5	60.8	62.0	

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
September	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 **	56.7	65.9	61.9	57.1	57.1	56.6	58.6	64.1	65.1	65.2	65.5	68.4	69.1	69.1	68.3	66.9	60.7	63.9	64.7	64.1	59.8	61.8	65.1	61.9	
2	56.8	60.8	63.9	64.2	62.1	62.7	60.8	61.1	65.6	66.1	66.5	66.8	67.8	69.4	60.7	63.2	64.1	63.4	63.4	62.1	62.4	60.8	59.1	61.1	
3	60.7	62.5	63.3	65.5	65.7	62.6	61.1	60.2	59.7	61.1	63.4	66.8	69.1	68.7	67.5	65.6	64.1	61.1	62.5	63.1	61.5	61.1	63.4	60.8	
4	63.0	65.1	64.4	62.6	60.3	60.4	60.1	60.1	60.9	62.1	65.7	70.1	71.6	71.1	69.1	65.1	64.9	64.1	62.1	61.1	63.5	63.7	63.3	63.0	
5	64.0	64.1	63.2	62.2	62.1	62.0	61.3	61.8	62.4	63.2	66.1	69.5	73.7	74.4	73.7	73.1	67.8	61.6	62.4	61.5	60.6	58.5	58.1	60.1	
6	63.7	62.4	61.5	63.3	60.4	61.9	64.2	62.8	63.5	62.1	63.9	68.1	70.1	70.7	69.7	68.4	64.5	64.9	64.6	62.6	60.5	61.1	63.7	62.9	
7	63.1	62.3	62.1	61.8	65.1	62.7	59.1	59.5	60.2	61.5	65.1	68.1	70.4	70.1	69.4	68.5	67.1	64.4	56.1	60.7	59.9	60.4	56.2	54.1	
8 **	58.4	64.3	68.2	59.4	61.1	67.7	66.1	61.0	62.1	63.7	65.3	67.7	70.4	69.7	69.2	62.9	57.6	58.1	61.9	60.5	62.9	57.7	61.9	64.5	
9 **	62.9	61.2	66.3	68.3	64.7	67.5	66.5	63.1	60.1	61.6	62.9	66.5	68.8	67.4	67.4	64.4	59.6	65.1	63.6	58.6	58.5	63.5	64.9	66.3	
10	60.1	58.1	63.4	63.6	63.7	63.3	64.9	64.7	62.9	65.8	65.3	65.8	68.1	68.2	67.7	66.0	64.1	62.8	60.6	61.7	62.7	62.6	62.6	62.7	
11	65.1	61.5	60.8	60.7	60.6	62.2	60.5	60.2	59.5	61.1	63.7	65.5	68.1	68.3	66.6	66.1	65.9	63.8	62.3	63.2	62.0	58.1	60.7	60.2	
12	61.3	61.4	59.6	57.2	60.2	62.6	61.0	59.8	60.6	62.2	64.0	68.2	72.4	72.7	71.2	70.2	68.4	67.1	65.3	65.6	63.3	61.6	61.2	62.5	
13 *	62.2	62.3	61.3	61.6	61.2	60.9	60.5	59.9	60.4	61.8	64.1	66.6	67.2	67.1	66.2	65.1	64.2	64.3	64.3	64.2	64.2	64.1	63.4	61.5	
14	58.7	61.6	61.6	62.8	63.7	59.7	60.6	60.3	60.9	62.6	64.5	65.8	69.2	68.2	70.7	66.6	62.3	65.1	64.5	63.1	59.0	58.9	61.6	62.2	
15	63.0	61.2	60.8	61.3	61.4	61.6	61.0	60.2	61.2	62.7	64.0	65.3	68.2	67.0	66.7	65.6	65.8	65.9	64.6	61.4	61.6	63.4	61.8	62.5	
16	60.2	60.4	61.6	61.4	60.6	60.8	60.8	60.4	60.8	63.4	66.3	67.7	68.2	68.2	67.0	65.8	64.8	63.9	62.7	63.7	64.2	56.7	58.2	60.1	
17 *	61.7	61.8	62.2	60.2	60.2	60.6	61.0	60.6	60.6	61.7	64.2	67.0	69.2	67.1	66.2	65.8	65.2	63.7	64.2	64.0	63.7	63.7	62.2	61.9	
18 *	61.8	62.5	62.2	62.0	61.7	61.9	61.2	60.7	60.6	62.4	64.6	67.0	68.4	68.2	67.2	65.5	64.6	64.1	63.8	61.9	62.1	61.2	63.3	63.0	
19 *	63.2	63.0	62.6	62.5	62.4	62.6	62.1	60.8	59.4	60.6	63.7	68.2	71.7	72.1	71.4	69.2	67.7	66.2	64.8	63.9	63.7	63.2	61.6	61.9	
20	61.9	61.2	62.2	62.4	62.6	62.8	62.6	62.5	60.8	60.9	63.3	66.3	69.2	69.8	68.7	67.6	66.4	65.2	65.0	64.2	63.9	61.6	60.4	56.8	
21	57.2	53.3	49.3	60.2	62.1	62.1	61.3	60.1	59.8	60.7	64.6	67.2	70.1	70.1	68.9	67.2	65.6	64.6	64.6	64.2	64.2	63.8	62.2	62.2	
22	62.5	62.7	61.6	64.7	63.1	62.0	60.9	60.2	59.2	61.0	63.0	66.2	68.7	69.2	68.2	67.2	65.9	65.5	64.6	63.6	62.9	61.2	60.8	61.2	
23 *	62.2	62.3	62.3	63.0	62.2	62.5	62.1	60.8	59.8	60.3	63.3	66.6	68.7	69.3	69.6	68.2	66.3	65.2	64.4	63.9	63.7	63.3	63.5	63.5	
24	63.3	63.2	62.8	62.0	61.4	62.1	62.5	62.0	60.1	60.6	63.6	67.7	68.6	69.0	68.6	68.2	68.1	66.8	65.2	63.2	63.2	62.2	61.8	63.4	
25	61.2	61.5	62.2	62.4	62.3	62.4	62.1	61.1	60.2	60.7	63.2	66.4	67.8	68.6	68.8	67.8	67.4	67.2	67.8	66.0	66.3	65.3	62.9	54.5	
26	37.2	39.4	39.5	45.2	51.5	57.4	55.6	57.6	59.2	60.7	62.2	65.4	67.7	68.7	68.6	67.6	67.1	67.6	67.2	67.1	65.6	64.3	63.8	63.2	
27	62.5	61.7	60.9	60.2	60.5	59.7	62.8	64.6	62.1	62.7	64.1	67.0	68.9	68.8	68.3	66.2	64.2	64.6	63.4	63.4	63.4	63.2	62.7	61.7	
28	62.2	62.0	62.4	61.5	62.2	63.5	65.0	63.7	64.6	64.8	66.7	67.1	67.6	69.4	67.8	67.8	69.6	69.2	60.6	61.3	45.2	49.2	57.9	58.2	
29 **	62.6	54.0	55.0	58.5	60.2	65.5	74.2	70.1	68.1	66.5	67.2	67.9	68.2	69.2	64.2	64.8	62.9	62.9	62.8	61.0	48.8	49.2	44.6	52.8	
30 **	56.6	48.2	59.0	62.2	63.8	60.6	60.2	61.0	60.9	63.7	65.2	67.7	67.6	66.6	66.8	64.7	59.2	63.5	62.5	61.2	62.4	62.8	62.0	60.8	
Mean	60.5	60.4	60.9	61.3	61.5	62.0	62.0	61.5	61.4	62.5	64.5	67.2	69.2	69.2	68.1	66.7	64.9	64.5	63.5	62.9	61.5	61.0	61.2	61.1	
Mean *	62.2	62.4	62.1	61.9	61.5	61.7	61.4	60.6	60.2	61.4	64.0	67.1	69.0	68.8	68.1	66.8	65.6	64.7	64.3	63.6	63.5	63.5	62.8	62.4	
Mean **	59.4	58.7	62.1	61.1	61.4	63.6	65.1	63.9	63.3	64.1	65.2	67.6	68.8	68.4	67.2	64.7	60.0	62.7	63.1	61.1	58.5	59.0	59.7	61.3	
October	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	58.0	61.2	59.9	60.5	63.4	63.5	61.6	60.4	59.8	60.3	62.5	65.1	66.3	67.2	67.2	65.7	64.7	64.6	62.2	59.8	59.9	61.8	63.0	63.2	
2	61.1	60.9	61.7	61.5	61.7	63.3	63.0	61.2	60.4	60.5	63.2	65.7	67.5	68.3	68.0	67.0	66.0	65.2	63.9	53.8	56.2	58.7	62.2	62.8	
3	63.1	60.7	59.4	58.6	62.2	65.0	63.2	61.5	59.9	60.0	62.2	66.4	69.2	69.2	70.2	67.8	68.4	62.2	63.1	57.2	48.6	55.8	49.5	49.0	
4 **	58.4	50.6	56.2	60.0	62.2	74.2	76.6	67.9	63.9	62.2	61.7	63.6	65.6	66.6	67.1	63.9	63.4	64.3	52.5	55.7	59.2	56.5	59.0	59.2	
5 **	59.8	59.9	60.8	60.4	64.6	73.9	76.2	68.2	67.3	67.2	67.3	67.0	68.2	66.5	66.2	61.2	50.0	59.2	57.8	52.9	59.5	59.8	60.9	61.6	
6	58.5	59.8	58.8	62.2	62.7	62.9	62.4	63.6	63.0	61.0	62.0	64.4	66.9	67.5	65.2	65.4	61.9	60.2	62.2	63.0	61.5	62.1	62.0	62.2	
7	62.1	62.2	62.4	62.7	62.6	63.6	63.6	64.2	60.7	60.4	62.3	63.8	65.7	65.8	67.4	65.5	65.2	64.5	63.2	62.8	61.0	57.3	59.2	61.0	
8	62.2	62.4	64.4	61.9	60.2	62.7	62.2	61.8	59.8	59.5	61.4	65.7	68.4	68.2	70.2	69.3	69.4	67.8	65.2	63.0	62.3	61.7	61.4	61.9	
9	61.5	57.6	61.1	61.7	61.2	62.6	62.5	61.9	61.0	61.3	62.8	66.9	68.2	67.9	67.0	65.7	65.5	64.9	64.1	63.7	59.8	58.4	61.5	62.0	
10	60.1	60.2	60.2	60.4	60.6	61.5	61.0	61.4	60.4	60.5	63.2	65.8	67.8	68.0	68.1	67.2	66.1	64.9	64.3	58.1	48.5	58.3	61.6	61.6	
11	62.6	63.2	64.8	62.0	62.1	61.2	61.9	61.1	60.2	60.6	64.2	65.8	69.3	68.5	67.5	65.7	64.6	63.1	52.3	61.2	62.7	63.1	63.0	61.8	
12	60.5	58.8	59.7	63.2	64.2	60.3	61.3	60.5	60.1	60.5	63.6	66.6	68.8	70.0	67.8	66.2	65.2	64.2	64.6	62.6	60.2	61.2	62.9	62.5	
13	59.9	61.1	61.1	61.2	61.5	61.8	61.6	62.0	61.3	62.0	64.4	66.9	66.9	66.8	66.1	65.6	64.5	63.6	62.5	63.6	63.2	62.8	62.7	62.1	
14	63.4	62.1	61.4	63.3	61.7	64.1	65.4	61.9	60.4	61.0	63.8	66.3	67.6	67.7	66.7	65.1	65.0	64.9	63.9	63.1	63.1	63.0	62.5	62.1	
15 *	62.6	62.3	62.1	61.8	62.1	62.1	62.1	61.7	60.7	61.5	63.6	65.5	66.4	66.1	66.2	65.2	65.4	64.3	58.9	62.6	62.7	62.8	62.6	62.4	
16	62.0	62.7	62.1	61.6	61.5	62.9	62.2	61.2	60.0	60.7	64.7	65.7	69.1	67.5	67.5	65.8	65.2	64.8	63.6	63.1	62.5	62.5	61.7	59.8	
17	61.3	61.6	63.0	58.5	62.5	62.3	61.2	61.3	60.7	61.9	64.9	67.5	67.9	66.9	66.0	65.1	64.9	59.0	61.6	61.0	57.5	58.5	59.0	59.0	
18	60.4	62.0	63.4	66.8	63.1	61.5	61.4	61.4	61.7	63.2	64.4	66.8	68.9	67.9	67.0	65.7	66.0	64.1	61.5	60.0	56.3	61.0	60.2	61.7	
19	62.7	62.7	63.0	63.2	62.7	62.3	61.8	61.0	60.9	63.0	65.7	66.8	69.0	68.3	67.0	65.2	64.8	64.3	63.3	62.5	62.3	61.5	61.4	61.2	
20 *	61.2	63.5	62.3	62.6	62.1	62.2	61.4	61.0	60.2	61.2	64.3	67.0	68.4	68.6	68.3	67.7	68.0	67.0	64.0	63.0	62.6	61.1	60.8	61.6	
21	62.1	62.0	62.2	62.6	62.7	62.9	62.2	61.3	60.0	60.2	66.0	68.7	72.3	73.4	75.0	78.4	73.3	71.0	68.4	68.4	59.1	64.4	63.4	62.4	
22 *	62.2	61.8	61.8	62.0	62.1	62.4	61.8	61.3	60.4	60.5	63.3	66.7	67.0	67.2	66.0	64.5	64.6	64.5	63.7	63.0	62.6	62.1	62.0	61.6	
23 *	61.2	61.5	61.6	62.3	62.0	62.4	61.6	61.4	60.0	60.6	63.0	66.0	67.5	67.0	66.9	66.2	65.6	65.1	64.1	63.5	62.8	62.3	61.2	60.6	
24 *	61.2	61.3	61.9	62.1	62.2	62.6	62.2	61.7	60.6	61.3	63.0	66.1	67.2	67.2	66.3	64.8	64.9	65.0	64.6	64.0	63.6	62.9	61.9	61.5	
25	61.6	61.7	62.0	62.4	62.4	62.7	62.3	61.9	61.2	61.0	63.4	65.0	66.7	67.0	67.2	66.5	66.3	61.5	59.7	63.0	60.3	60.0	60.1	57.2	
26 **	59.2	57.3	64.5	55.2	60.8	61.9	62.9	61.7	60.9	60.6	63.6	67.1	70.1	73.4	70.1	69.1	66.5	63.2	62.8	61.5	55.5	58.9	60.6	59.9	
27	57.7	57.8	59.9	59.9	60.7	61.0	61.8	61.3	61.9	63.3	64.6	64.6	65.0	65.2	64.0	62.9	62.2	62.3	62.0	60.9	62.1	62.0	61.9	60.9	
28	60.1	60.9	64.3	60.1	60.4	61.3	62.8	61.9	60.9	61.0	63.3	65.9	66.2	65.7	65.2	63.3	58.3	62.6	62.2	61.2	61.3	62.5	62.1	61.4	
29	61.7	62.0	60.5	60.8	61.4	61.1	61.1	60.5	60.2	61.5	64.3	67.1	68.6	67.9	67.4	64.9	63.4	61.3	63.2	56.5	51.7	51.1	55.3	52.8	
30 **	53.2	55.4	55.0	59.4	64.9	58.5	60.2	59.9	61.0	61.4	63.5	64.8	65.6	64.6	64.0	64.8	58.0	59.8	59.2	52.6	51.4	55.3	45.5	54.7	
31 **	56.5	63.4	67.7	61.3	60.8	61.9	64.5	66.4	64.2	61.0	64.3	66.2	66.7	67.0	62.9	64.1	51.3	60.8	61.7	58.4	57.7	58.9	58.4	59.0	
Mean	60.6	60.7	61.6	61.4	62.1	63.0	63.1	62.1	61.1	61.3	63.7	66.0	67.7	67.7	67.2	66.0	64.2	63.7	62.1	60.8	59.3	60.3	60.3	60.3	
Mean *	61.7	62.1	61.9	62.2	62.1	62.3	61.8	61.4	60.4	61.0	63.4	66.3	67.3	67.2	66.7	65.7	65.7	65.2	63.1	63.2	62.9	62.2	61.7	61.5	
Mean **	57.4	57.3	60.8	59.3	62.7	66.1	68.1	64.8	63.5	62.5	64.1	65.7	67.2	67.6	66.1	64.6	57.8	61.5	58.8	56.2	56.7	57.9	56.9	58.9	

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
November	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 **	65.4	63.1	60.6	62.8	61.6	61.7	61.7	61.0	60.0	60.7	61.8	65.7	65.5	66.7	63.3	61.7	63.7	61.8	59.0	54.0	57.8	55.0	56.5	59.8	
2	57.6	59.0	61.4	62.8	62.7	62.8	62.1	61.0	60.0	60.0	61.9	63.8	64.0	65.3	63.7	62.5	62.4	64.0	63.0	59.0	58.2	60.0	60.5	61.1	
3	62.0	62.0	63.3	61.2	62.0	61.4	61.8	61.7	61.4	62.0	65.0	66.2	67.6	67.6	65.9	62.5	64.3	63.0	62.2	61.4	61.0	61.0	59.7	61.4	
4 *	61.0	60.5	61.0	61.9	61.8	61.4	61.6	61.5	61.3	60.4	62.7	64.7	65.0	64.2	63.2	62.7	62.1	62.9	62.4	62.0	61.8	61.4	61.5	61.9	
5	62.0	62.3	62.0	61.7	61.9	61.7	62.0	61.0	60.1	60.0	61.6	63.4	64.8	65.0	64.1	63.0	63.0	62.5	62.8	61.7	60.8	60.7	59.0	59.4	
6	62.0	62.6	62.9	61.5	64.5	59.4	59.8	60.9	60.1	60.6	62.2	66.1	67.4	67.0	65.3	66.0	65.0	64.5	61.7	61.0	60.8	61.3	61.1	60.2	
7	61.0	59.7	59.2	59.4	60.2	60.8	59.4	60.6	60.6	61.1	62.5	64.7	65.0	65.0	64.4	62.8	61.8	64.3	58.1	54.9	59.3	57.8	52.8	58.8	
8	59.3	61.3	61.0	61.5	61.6	61.6	61.2	61.0	60.8	61.0	62.9	64.1	65.1	65.7	64.4	64.3	63.8	64.0	60.8	57.8	59.4	59.5	61.2	59.2	
9	60.0	60.0	60.8	58.5	60.1	60.9	61.1	61.1	61.0	61.5	62.5	64.2	64.3	64.2	63.7	62.4	63.4	61.9	61.2	62.4	61.9	60.2	61.2	61.4	
10 *	61.4	61.7	61.8	61.6	62.0	61.7	61.4	61.3	61.1	61.2	62.6	64.0	64.7	64.4	63.7	63.5	62.8	62.6	62.0	61.7	61.6	61.7	61.2	61.4	
11 *	61.4	61.8	61.7	61.8	61.7	61.1	61.4	61.0	60.9	61.6	63.4	65.3	66.3	65.6	64.6	64.3	65.0	65.5	65.7	63.0	62.0	61.5	58.8	58.2	
12 *	59.7	60.5	61.3	61.7	62.0	61.6	61.4	62.0	62.1	62.1	63.2	65.0	66.0	65.0	64.1	63.2	63.1	63.6	63.4	62.2	61.9	61.4	61.4	61.6	
13 *	62.6	62.1	62.1	62.0	62.0	61.5	61.7	61.6	61.4	61.2	63.0	64.3	65.0	64.7	64.0	63.7	63.4	63.3	63.4	62.7	62.6	62.3	62.2	62.0	
14	62.0	62.3	62.5	62.7	62.3	61.6	61.4	61.0	61.0	61.2	62.9	65.0	66.6	66.0	64.6	63.7	63.9	63.4	63.4	62.5	61.3	61.2	58.8	60.9	
15	62.2	61.9	61.5	61.4	61.0	60.0	60.3	60.8	61.0	62.3	65.2	66.1	66.3	65.6	64.4	63.8	62.6	62.2	62.4	57.9	57.1	61.6	62.0	62.1	
16	62.1	62.0	62.4	62.4	62.6	62.0	63.2	63.3	62.6	62.4	64.2	67.0	67.4	69.2	69.2	65.0	65.4	62.4	61.4	61.0	61.0	61.3	61.4	60.9	
17	61.3	61.9	61.0	61.9	61.9	61.6	61.7	61.1	61.1	61.4	62.2	64.3	65.3	64.9	64.5	65.2	65.2	65.6	65.1	62.4	59.7	61.2	60.7	60.3	
18	60.3	61.5	61.3	61.6	61.2	61.2	61.5	61.7	62.6	62.2	62.9	64.3	65.7	65.6	64.1	63.9	63.2	63.1	62.6	61.3	61.6	61.3	60.5	61.3	
19	61.6	61.5	61.1	62.1	61.5	61.5	61.1	61.2	61.8	62.4	63.2	64.6	65.4	65.1	64.0	63.6	63.2	63.2	63.0	62.2	60.9	60.8	61.0	60.9	
20	60.8	60.6	61.2	60.8	61.2	61.1	61.1	61.0	61.3	61.8	62.8	64.4	65.5	65.3	64.1	63.6	63.2	63.2	63.1	62.2	61.8	61.2	59.1	59.9	
21 **	63.6	59.4	60.2	61.6	60.0	61.5	63.2	64.2	63.8	66.4	64.8	63.0	63.5	64.7	64.0	63.8	61.1	60.3	59.8	61.1	60.7	60.6	58.5	56.4	
22	50.6	51.6	57.9	60.2	60.8	60.8	61.3	61.8	61.2	62.1	63.0	63.6	64.4	65.1	64.8	63.3	60.6	59.5	61.6	59.4	60.4	60.5	60.4	60.5	
23	60.4	61.4	62.6	64.2	62.2	61.5	62.8	63.4	62.9	63.7	63.7	64.1	64.1	63.8	63.6	62.8	62.4	61.8	61.3	61.2	61.0	60.8	60.5	60.5	
24	61.3	61.1	61.5	61.7	61.5	61.5	61.2	61.5	62.2	63.0	64.0	64.8	65.1	64.8	63.6	63.6	60.1	62.6	62.5	61.8	61.4	61.2	61.3	61.2	
25	61.4	59.3	61.9	60.6	61.1	61.2	61.5	61.4	61.7	62.8	63.0	64.1	64.7	64.4	63.1	62.9	63.0	62.7	62.1	61.1	60.8	60.1	61.0	61.0	
26 **	61.1	61.1	61.0	61.1	61.1	61.3	62.2	63.9	63.7	65.0	66.1	64.9	64.8	64.7	62.7	63.2	61.5	63.2	62.3	48.3	50.1	52.0	49.0	48.2	
27 **	58.7	61.6	61.7	61.6	61.9	62.9	67.3	65.4	66.2	65.3	65.7	64.9	62.2	62.4	63.4	63.4	57.7	57.3	58.1	52.7	53.4	55.2	57.7	62.9	
28 **	63.7	59.2	62.7	62.7	61.3	62.3	62.5	62.5	62.5	62.5	63.2	63.3	64.0	60.9	64.1	60.9	55.5	59.8	50.0	54.8	55.9	58.0	58.0	59.9	
29	60.7	61.2	62.0	61.5	61.7	61.5	61.7	61.7	62.7	62.4	61.9	63.4	63.3	62.5	59.3	63.7	61.7	59.7	53.4	58.2	59.8	60.4	60.7	61.9	
30	63.8	61.8	61.3	61.4	61.8	61.7	62.1	62.8	63.3	63.0	64.0	64.1	63.5	63.1	62.7	60.4	59.9	60.5	60.7	59.9	57.1	58.3	60.2	60.7	
Mean	61.0	60.9	61.4	61.6	61.6	61.4	61.8	61.8	61.7	62.1	63.3	64.6	65.1	64.9	64.0	63.3	62.5	62.5	61.3	59.7	59.8	60.0	59.6	60.2	
Mean *	61.2	61.3	61.6	61.8	61.9	61.5	61.5	61.5	61.4	61.3	63.0	64.7	65.4	64.8	63.9	63.5	63.3	63.6	63.4	62.3	62.0	61.7	61.0	61.0	
Mean **	62.5	60.9	61.2	62.0	61.2	61.9	63.4	63.4	63.2	64.0	64.3	64.4	64.0	63.9	63.5	62.6	59.9	60.5	57.8	54.2	55.6	56.2	55.9	57.4	
December	8° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	61.0	61.4	61.3	61.8	62.6	62.5	62.6	62.2	63.7	63.0	63.3	64.7	65.5	63.8	64.8	64.4	63.2	61.1	59.8	61.3	52.4	56.5	57.8	60.0	
2 **	58.6	59.2	62.8	59.0	59.2	59.4	61.1	61.7	62.6	62.8	64.4	63.0	64.2	65.7	60.8	66.8	62.4	63.4	61.3	53.8	52.8	58.1	58.8	59.8	
3	58.2	61.2	61.1	62.4	59.8	65.6	62.0	62.0	63.0	63.0	62.9	62.8	63.2	63.9	63.3	63.8	62.8	63.2	63.2	61.6	60.5	54.7	57.1	57.4	
4 **	55.9	52.7	50.8	59.8	56.8	58.5	61.6	61.4	61.4	62.8	64.2	64.3	62.8	62.6	57.5	60.3	62.8	62.2	50.5	53.8	57.0	58.1	61.5	61.9	
5	56.8	59.8	62.4	61.2	58.6	60.6	60.8	60.8	63.1	62.7	65.1	64.8	63.8	62.1	62.0	62.4	62.1	62.0	61.9	57.8	57.2	60.3	59.8	60.3	
6	61.8	61.7	61.5	61.5	61.7	60.8	60.8	60.6	60.9	61.8	62.8	63.4	63.2	63.3	62.8	62.8	63.4	62.7	62.3	61.7	61.4	60.5	59.4	58.5	
7	59.4	58.7	58.9	61.1	60.9	61.5	61.2	61.2	61.8	62.0	62.4	62.8	62.8	63.2	62.2	62.0	62.2	62.2	61.8	59.7	59.7	60.6	59.8	60.2	
8	59.4	59.1	59.8	60.8	60.8	61.6	61.7	61.6	61.7	61.6	62.8	63.0	62.7	64.2	64.4	63.8	62.9	62.8	62.1	61.8	60.9	60.8	60.3	60.6	
9 *	61.1	60.3	60.8	60.9	61.1	61.1	61.5	61.2	61.3	62.6	63.7	64.0	63.8	63.1	62.5	62.2	61.8	61.8	61.8	61.4	60.8	60.8	60.8	60.7	
10	60.4	60.6	60.9	60.9	61.0	60.8	61.4	61.2	61.5	61.7	62.5	62.9	64.2	64.2	64.7	63.9	64.9	65.2	63.7	55.4	55.8	57.9	58.8	60.4	
11	61.8	61.5	61.4	61.4	61.7	63.6	61.9	61.9	62.8	63.4	64.2	64.0	64.6	65.2	64.1	63.4	62.5	62.1	59.4	60.7	61.0	61.0	60.7	60.7	
12	60.9	60.8	60.9	60.9	61.1	60.9	61.5	61.9	62.8	63.9	64.2	64.3	64.6	65.6	66.5	66.5	63.8	62.1	61.8	61.3	60.8	60.4	59.9	59.1	
13 **	57.8	55.2	59.4	61.3	65.1	68.0	67.7	65.6	64.6	63.8	65.1	65.4	69.3	64.9	62.8	62.3	61.4	61.1	61.0	60.8	60.6	60.2	60.9	60.6	
14	60.2	59.9	59.6	60.3	59.8	60.5	60.4	60.4	60.5	60.8	62.2	62.8	62.8	62.8	62.7	61.8	62.2	61.4	60.8	60.4	60.1	60.2	60.2	59.8	
15	59.7	58.8	59.4	58.0	57.9	59.2	60.9	60.8	61.2	61.2	63.3	64.1	62.8	63.2	62.8	63.1	62.1	61.8	61.5	60.9	60.7	60.6	60.8	60.8	
16	60.8	60.8	61.2	61.0	60.8	60.1	60.6	61.0	61.7	61.8	62.1	61.9	64.4	65.4	65.5	65.8	65.5	64.4	61.8	59.8	60.2	54.6	56.4	57.4	
17	58.0	59.7	60.3	60.1	60.4	61.5	61.2	60.8	62.1	62.2	62.8	62.2	62.3	62.2	62.5	62.8	62.1	61.8	61.5	60.8	60.2	59.8	58.2	56.8	
18	58.5	59.2	60.4	62.1	60.2	61.2	61.5	61.8	62.2	62.3	63.1	64.1	64.1	64.0	63.8	63.8	63.2	63.5	58.6	54.2	59.2	61.3	61.2	60.1	
19 *	61.8	60.5	59.5	60.8	60.7	60.8	61.2	61.1	61.5	61.7	61.7	62.1	62.5	62.2	62.1	62.6	62.5	62.2	62.0	61.3	61.0	60.4	60.8	60.9	
20 *	61.0	61.4	61.7	61.9	61.5	61.4	61.7	61.3	61.3	62.0	62.4	63.0	62.7	63.0	62.4	62.3	62.3	61.9	61.7	61.0	60.7	60.7	60.7	60.9	
21 *	61.0	61.3	61.6	61.9	61.9	61.7	61.5	61.2	61.9	62.1	62.3	63.0	62.6	63.2	63.2	62.3	62.0	62.2	61.3	60.6	60.5	59.9	60.0	60.0	
22	60.2	60.6	60.9	60.6	60.2	60.7	61.1	61.6	61.9	62.3	64.0	64.5	64.2	63.8	63.9	64.5	66.4	64.4	64.6	62.3	61.6	60.6	59.9	59.6	
23 *	59.6	60.3	60.4	60.1	61.0	61.0	61.3	61.3	62.0	62.4	62.7	62.7	63.7	63.4	62.8	62.6	62.3	63.0	63.0	61.9	61.6	61.1	61.1	60.7	
24	61.0	60.7	61.1	62.5	60.7	60.2	61.4	61.3	61.7	62.0	64.9	65.8	66.1	68.1	65.8	59.7	62.9	60.6	60.2	57.1	56.7	58.7	59.3	58.0	
25	57.4	56.6	58.9	61.5	64.8	60.1	61.6	61.4	61.8	63.8	63.8	63.3	64.6	62.1	63.7	63.2	62.6	60.4	60.2	60.3	57.8	58.7	58.4	60.3	
26	61.0	59.7	60.7	60.9	61.4	62.7	64.1	61.9	61.3	62.1	62.7	62.8	63.2	62.7	61.7	61.6	57.6	61.1	61.2	61.1	60.5	59.7	60.1	59.5	
27	58.6	60.7	61.8	60.7	60.2	60.7	61.6	62.1	61.5	61.4	62.1	62.2	61.7	62.0	61.8	61.7	61.6	61.7	61.4	59.7	59.1	56.4	52.3	42.1	
28	55.1	59.8	58.7	59.3	59.6	60.1	60.3	60.7	61.0	61.5	62.1	63.2	62.0	63.1	63.2	63.2	64.4	62.4	57.7	59.8	61.3	60.3	57.2	52.7	
29 **	52.7	57.9	60.6	60.9	59.9	59.5	61.0	60.7	61.6	63.0	63.7	64.3	63.7	63.7	63.7	64.7	58.9	54.8	58.7	56.3	58.4	59.7	58.6	56.9	
30 **	59.7	63.2	60.5	60.6	61.0	62.4	60.7	60.7	61.5	62.2	64.5	63.9	64.2	62.1	63.9	62.3	55.4	59.1	62.8	59.7	58.9	58.8	59.6	62.4	
31	59.5	60.0	59.7	58.9	59.1	60.3	62.0	62.2	62.1	62.4	62.8	62.0	62.6	62.6	62.7	58.7	61.7	62.7	56.7	55.1	53.2	56.3	57.9	61.7	
Mean	59.3	59.8	60.3	60.8	60.7	61.3	61.6	61.5	61.9	62.3	63.3	63.5	63.7	63.6	63.1	62.9	62.3	62.0	60.8	59.5	59.1	59.3	59.3	59.1	
Mean *	60.9	60.8	60.8	61.1	61.2	61.2	61.4	61.2	61.6	62.2	62.6	63.0	63.1	63.0	62.6	62.4	62.2	62.2	62.0	61.2	60.9	60.6	60.7	60.6	
Mean **	56.9	57.6	58.8	60.3	60.4	61.6	62.4	62.0	62.3	62.9	64.4	64.2	64.9	63.8	61.7	63.3	60.2	60.1	58.9	56.9	57.5	59.0	59.9	60.3	

* 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
January	18000 γ + Tabular Quantities (in γ)																								
1	673	637	643	644	650	653	663	646	643	647	634	625	645	654	656	653	660	660	657	666	650	651	654	653
2	651	653	650	651	655	660	657	659	657	653	656	657	662	663	665	668	665	663	663	664	660	660	662	665
3	663	655	657	662	661	660	664	666	664	664	665	673	673	665	664	669	669	671	683	678	661	656	660	656
4	646	663	660	653	657	663	664	662	660	656	653	659	658	653	637	646	647	655	669	663	653	680	649	658
5 **	659	658	652	663	663	659	649	646	619	599	616	624	614	593	630	641	631	625	643	640	649	665	681	645
6	645	653	649	663	664	661	669	653	649	639	640	648	647	647	648	646	614	637	637	636	651	655	654	649
7	653	644	653	653	659	661	665	671	668	661	655	657	646	623	617	633	643	647	636	629	645	665	657	655
8	660	654	649	672	657	663	660	668	662	648	643	641	644	654	656	652	650	644	647	654	660	661	660	660
9	660	660	661	664	673	683	678	679	672	653	651	653	655	665	672	673	665	666	656	654	649	663	653	643
10	650	659	657	655	656	673	665	669	653	664	656	650	646	646	646	651	633	613	639	652	653	637	650	650
11	654	657	650	659	653	652	653	663	663	658	651	656	653	640	648	665	638	642	649	642	653	662	658	647
12	653	653	655	649	653	665	653	643	651	654	642	638	651	642	638	625	630	661	641	643	648	645	665	678
13 **	637	655	649	647	653	646	659	665	657	638	639	599	632	637	594	631	631	649	635	639	672	639	654	656
14 **	658	643	643	662	660	655	659	643	652	646	624	631	640	647	625	643	623	625	658	648	656	678	643	639
15	637	644	643	639	652	660	653	646	648	647	646	633	637	641	581	603	609	634	635	629	643	649	650	645
16	642	653	652	649	645	653	663	653	652	645	635	633	644	643	652	647	653	653	654	659	655	651	650	657
17	652	652	653	659	663	661	662	662	660	652	646	643	642	643	646	651	657	659	658	664	658	651	655	654
18 *	653	649	653	654	658	663	668	668	664	657	651	654	655	659	662	663	664	663	668	668	665	667	664	663
19 *	656	655	660	662	662	663	666	670	671	665	663	659	660	659	663	667	664	662	663	667	662	656	654	658
20 *	658	657	658	660	663	663	667	667	667	661	654	648	649	654	658	659	660	659	660	663	659	663	663	655
21 *	654	653	659	659	660	663	667	669	667	663	668	663	661	665	669	665	667	669	667	667	663	657	659	661
22	658	657	652	654	659	663	667	670	672	670	664	662	661	662	668	666	673	672	670	661	663	641	648	649
23	654	658	661	664	664	670	676	677	675	668	660	656	662	659	645	639	645	613	626	624	621	637	667	654
24	658	657	658	660	661	661	661	659	658	655	654	656	660	653	640	634	628	657	661	654	659	662	673	655
25	661	654	665	660	664	668	672	668	669	662	656	648	642	639	639	656	659	652	651	656	664	668	664	664
26 *	665	668	668	668	669	674	674	674	678	670	670	666	666	678	681	683	679	679	680	678	679	682	680	680
27 **	678	674	674	675	672	697	704	699	690	677	665	676	630	624	618	601	624	601	625	641	644	643	666	660
28	642	638	645	640	633	652	660	658	647	630	637	634	635	638	627	654	653	656	662	657	655	663	670	654
29 **	652	651	653	655	659	663	668	671	665	647	633	634	634	634	620	651	626	599	622	589	601	611	632	631
30	633	633	628	639	639	655	651	651	643	647	643	638	638	644	652	652	651	653	647	654	655	655	663	651
31	652	653	655	661	664	667	673	674	672	669	663	660	662	662	649	651	656	641	670	666	663	664	657	657
Mean	654	653	654	657	658	663	665	664	660	654	649	648	649	648	644	650	647	648	653	652	654	656	659	655
Mean *	657	656	660	661	662	665	668	670	669	663	661	658	658	663	667	667	667	666	668	669	666	665	664	663
Mean **	657	656	654	660	661	664	668	665	657	641	635	633	630	627	617	633	627	620	637	631	644	647	655	646
February	18000 γ + Tabular Quantities (in γ)																								
1	656	662	663	662	665	673	672	677	656	660	653	614	635	660	646	617	625	648	630	618	621	668	647	651
2	648	648	655	652	655	655	664	668	651	650	641	641	654	654	648	640	644	652	658	660	664	669	658	661
3 *	660	654	654	655	656	656	659	663	655	644	640	647	648	654	658	660	664	664	668	669	663	664	664	665
4 *	662	669	664	665	665	672	674	674	669	661	657	653	646	650	660	669	672	669	662	663	669	672	667	667
5 *	666	666	666	668	672	677	681	682	678	672	667	664	665	667	672	674	676	679	681	682	684	682	680	680
6 **	677	674	674	675	674	678	679	694	686	684	664	661	645	660	674	681	624	621	643	642	631	619	627	634
7	634	627	643	632	636	651	660	628	652	644	615	604	625	624	636	644	651	644	647	662	646	644	680	646
8 **	654	642	639	645	634	650	664	664	623	652	644	639	644	648	642	609	656	657	660	704	663	638	646	656
9	655	653	649	644	652	656	657	657	654	635	629	633	638	653	644	638	640	649	650	688	644	651	668	674
10	658	648	646	647	651	653	652	655	653	654	644	651	648	656	659	652	612	638	661	684	612	646	628	628
11	626	670	638	632	635	644	649	649	650	648	641	609	630	648	653	654	650	656	646	680	660	662	640	681
12	648	644	649	634	662	672	660	659	653	650	639	626	630	645	654	642	652	656	659	664	667	674	661	642
13	677	650	653	654	650	662	660	662	659	654	645	641	639	635	646	629	646	655	651	651	656	688	673	639
14	644	657	654	654	654	654	660	665	661	643	650	652	661	660	661	664	651	643	663	669	656	664	664	656
15	654	656	658	664	664	664	660	672	672	655	656	658	656	661	657	660	661	667	667	665	665	664	664	672
16 **	675	683	675	663	656	672	695	635	609	587	608	614	640	600	608	625	633	626	642	642	618	624	640	646
17	632	645	645	644	641	647	652	654	648	638	638	640	640	647	650	659	660	661	662	657	654	658	662	662
18	658	674	651	657	663	668	671	672	670	664	657	643	642	650	657	657	664	666	669	654	646	636	664	662
19	684	655	664	650	658	667	664	678	664	662	655	653	639	645	657	658	660	642	638	632	668	653	650	645
20	657	654	656	655	664	664	677	671	660	651	648	652	651	651	652	653	653	659	662	662	663	665	666	670
21 *	667	665	666	668	672	675	678	680	677	675	671	673	674	667	668	668	666	664	667	667	671	674	672	672
22 *	670	668	666	664	667	669	672	682	681	681	674	676	677	675	671	667	663	664	666	660	665	668	673	669
23	671	670	664	664	670	673	680	681	677	679	680	681	684	689	686	681	675	674	676	677	674	687	696	678
24 **	678	652	626	599	602	629	625	631	635	626	609	638	608	624	636	619	625	608	599	662	624	633	642	630
25	644	642	634	641	644	644	648	650	649	648	657	670	662	631	660	656	654	657	661	652	653	657	663	662
26	657	682	666	666	659	674	667	650	661	649	657	666	671	672	665	660	657	631	644	644	665	675	665	648
27 **	641	644	648	656	670	654	666	639	652	649	646	633	646	651	651	660	644	662	658	656	662	698	646	649
28	653	665	648	657	655	656	649	664	628	627	647	639	647	641	629	633	636	643	649	667	659	663	664	664
29	658	664	664	666	671	665	663	670	664	655	650	642	627	637	648	639	659	657	654	660	667	664	673	674
Mean	657	658	654	653	656	661	664	663	657	652	648	645	647	650	653	651	651	652	655	662	655	661	660	658
Mean *	665	664	663	664	666	670	673	676	672	667	662	663	662	663	666	668	668	668	669	668	670	672	671	671
Mean **	665	659	652	648	647	657	666	653	641	640	634	637	637	637	642	639	636	635	640	661	640	642	640	643

* 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	673	658	653	646	655	670	664	667	667	648	647	654	657	661	646	654	659	663	662	664	667	670	668	670
2 *	670	665	665	665	667	674	676	673	668	662	663	664	664	669	669	667	666	670	673	676	674	673	674	672
3	669	671	671	673	677	677	683	691	694	691	688	686	681	639	632	664	677	655	620	642	623	657	628	647
4 **	624	634	617	625	674	677	643	626	639	640	593	594	601	639	646	642	623	636	637	650	650	636	646	654
5 **	654	626	630	646	622	662	647	638	632	593	599	647	633	636	645	643	606	613	635	659	658	601	626	587
6 **	630	572	699	652	625	614	650	636	650	634	625	636	655	649	637	642	647	655	632	641	635	662	655	638
7 **	643	652	643	650	654	662	655	646	645	643	597	624	638	656	626	637	646	658	646	629	669	656	682	688
8	641	622	629	630	637	632	630	632	632	637	617	621	616	636	632	637	622	642	658	666	625	651	635	640
9	677	657	623	638	641	637	647	630	619	625	619	625	639	651	643	627	630	662	657	683	682	662	628	663
10	666	659	651	647	635	651	643	642	650	640	644	645	635	643	651	641	643	679	649	653	644	669	675	640
11	658	633	653	642	644	641	644	647	647	653	651	652	663	654	664	648	657	644	676	661	653	656	680	674
12	674	664	651	654	655	660	656	653	650	643	645	659	660	649	660	660	652	647	646	639	649	672	659	666
13	654	652	654	659	657	657	656	650	652	654	651	655	663	651	645	665	661	666	663	664	666	671	694	669
14 *	664	655	655	656	662	658	663	664	659	656	643	644	653	656	656	656	661	666	667	666	667	668	676	680
15	667	660	657	658	661	670	662	667	663	664	659	653	655	657	661	674	670	658	662	667	664	662	667	664
16	666	665	664	664	679	677	670	670	648	654	652	645	638	651	655	660	644	660	663	653	641	661	662	684
17	684	664	672	667	691	674	667	677	664	641	627	619	642	626	637	638	652	663	668	671	674	674	686	677
18	666	663	666	662	669	676	662	673	656	646	643	642	647	646	654	646	646	666	670	672	670	668	673	676
19 *	675	671	669	670	673	674	673	672	667	661	653	653	656	657	667	656	663	677	677	679	674	675	669	673
20 *	673	671	672	673	673	677	678	678	669	659	652	648	653	659	665	673	678	683	685	683	681	683	682	682
21	683	693	680	683	700	701	673	669	659	651	655	659	657	623	641	643	655	660	661	653	653	670	666	714
22	655	655	666	666	679	663	640	645	642	640	638	642	647	660	664	653	659	663	656	669	683	670	687	664
23	622	662	657	651	654	660	646	637	658	641	627	639	640	643	643	644	653	657	667	656	677	683	687	695
24	667	670	683	675	689	684	670	665	637	635	621	610	640	653	646	638	645	646	651	663	665	699	671	670
25	666	665	663	667	667	669	674	668	647	630	626	625	624	647	653	649	653	656	664	662	674	693	670	667
26	681	678	686	664	662	667	670	665	659	654	648	651	657	658	655	656	671	671	673	666	664	673	674	676
27	667	672	668	672	661	674	678	668	662	657	647	643	650	654	651	662	646	663	672	677	668	675	678	674
28 *	678	672	671	672	669	675	672	674	671	665	658	662	667	671	676	678	683	683	684	684	684	682	681	682
29	679	678	678	684	678	682	685	684	674	658	645	640	634	655	664	674	680	683	678	677	687	682	677	693
30	679	665	659	670	665	675	682	683	677	666	656	654	661	665	661	666	615	645	662	671	644	706	689	660
31 **	617	674	613	631	618	629	635	643	593	604	616	622	628	630	655	616	676	643	647	667	684	663	649	681
Mean	662	658	659	658	661	664	661	659	653	647	639	642	647	650	652	652	653	659	660	663	663	668	668	668
Mean *	672	667	666	667	669	672	672	672	667	661	654	654	659	662	667	666	670	676	677	678	676	676	676	678
Mean **	634	632	640	641	639	649	646	638	632	623	606	625	631	642	642	636	640	641	639	649	659	644	652	650
April	18000 γ + Tabular Quantities (in γ)																								
1	655	648	660	636	642	645	646	630	623	634	631	639	656	630	612	637	636	664	660	664	666	664	665	664
2 **	663	707	654	642	654	652	657	638	637	590	583	641	643	650	627	639	654	654	630	654	695	660	654	692
3 **	667	644	631	631	637	666	651	639	632	577	610	610	631	624	638	604	670	636	647	651	712	677	654	659
4	646	646	644	648	632	637	641	634	599	627	612	613	620	616	627	645	637	657	664	682	707	657	654	657
5	670	653	677	652	652	656	650	628	627	634	628	629	627	628	642	628	656	672	666	654	668	666	689	678
6	690	639	627	649	642	651	649	634	624	607	619	643	637	640	652	643	666	670	671	690	680	670	678	693
7	665	647	639	642	653	653	627	642	659	651	639	616	636	649	642	657	676	657	672	657	676	690	669	678
8	702	657	647	656	666	668	659	634	637	628	614	626	631	643	654	670	665	674	664	686	668	662	654	674
9	675	659	654	652	654	652	654	644	626	642	649	650	640	659	668	670	674	664	655	662	666	678	684	699
10	676	653	632	652	646	646	652	653	656	646	638	624	636	649	656	664	669	667	666	676	667	676	677	669
11	657	661	658	659	664	668	671	657	652	644	649	645	635	650	661	666	669	674	669	664	670	670	669	668
12 *	668	668	674	673	678	677	665	660	655	646	644	645	652	658	665	673	677	681	681	681	671	671	677	681
13	682	685	678	677	680	677	674	677	672	661	639	636	639	648	665	675	679	677	674	671	676	679	681	680
14	678	673	672	675	674	676	677	674	674	666	646	650	652	659	671	681	666	672	686	684	684	675	679	679
15	675	674	675	679	681	684	685	683	677	674	658	646	638	629	655	664	658	666	676	677	680	682	681	678
16	675	675	683	685	675	687	669	695	682	673	664	655	659	652	642	652	673	678	679	681	690	688	676	678
17	675	673	669	664	665	672	668	673	664	645	646	639	652	662	666	670	675	672	675	674	677	677	675	676
18	674	671	672	673	675	678	682	682	681	677	668	665	672	669	668	681	695	685	661	665	689	701	695	668
19	678	665	660	652	657	669	665	666	660	659	660	657	668	657	648	650	664	684	675	655	663	665	701	689
20 *	667	667	665	662	654	654	658	659	659	659	661	662	669	678	682	682	674	678	685	684	683	677	689	681
21 **	672	688	677	668	670	675	667	682	685	678	675	689	713	718	661	643	598	649	653	627	623	630	665	658
22	663	665	664	669	645	635	611	613	625	624	610	625	639	647	646	657	679	670	674	679	678	671	671	673
23	673	669	665	667	667	668	665	656	657	652	635	645	647	653	652	652	665	666	670	680	679	678	675	671
24	671	668	669	670	673	671	669	665	662	653	651	656	664	669	676	695	673	655	675	676	682	691	688	658
25 *	665	668	670	675	675	674	670	667	661	656	652	642	646	665	667	672	672	668	679	682	681	685	684	682
26 *	680	680	681	680	681	679	677	670	662	655	651	654	661	670	677	684	687	695	684	672	690	683	688	680
27 *	682	682	677	675	674	672	674	676	672	669	665	664	666	674	682	689	690	692	695	696	694	693	707	700
28	703	695	691	681	684	674	671	657	662	656	656	635	650	651	654	672	672	676	661	660	680	678	676	676
29 **	668	668	668	665	661	678	678	627	662	658	654	635	634	642	674	667	694	722	670	693	654	645	660	691
30 **	637	659	629	645	643	616	641	649	621	618	600	607	613	632	641	663	669	682	693	705	675	669	675	676
Mean	672	667	662	662	662	664	661	655	652	645	640	641	648	652	656	662	668	672	670	673	677	674	676	677
Mean *	672	673	673	673	672	671	669	666	662	657	655	653	659	669	675	680	680	683	685	683	684	682	689	685
Mean **	661	673	652	650	653	657	659	647	647	624	624	636	647	653	648	643	657	669	659	666	672	656	662	675

* 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 **	700	645	649	631	635	639	641	607	613	613	620	627	639	650	656	652	665	707	696	699	699	688	675	680
2 **	679	656	650	639	662	643	646	630	612	610	619	632	625	636	637	668	665	676	718	710	669	668	678	670
3 **	669	661	650	639	647	643	663	640	640	636	640	647	654	659	665	668	697	685	715	691	653	631	661	637
4	676	661	636	641	624	634	646	639	627	638	646	650	647	646	658	655	674	687	696	696	671	674	679	679
5	670	674	653	654	651	638	636	626	639	628	630	645	650	665	660	665	658	665	681	675	685	681	688	682
6	677	663	654	656	648	641	639	631	625	632	650	655	647	644	636	644	653	671	678	674	675	678	679	671
7 **	667	660	656	670	672	678	639	637	619	588	610	610	605	649	660	629	692	680	653	630	617	614	655	650
8	651	645	655	654	642	639	632	619	627	636	641	638	630	640	655	665	648	671	681	679	687	679	671	670
9 *	667	671	665	664	663	660	657	655	656	655	657	657	658	663	673	677	679	679	675	674	673	673	673	671
10 *	693	685	678	677	673	675	669	660	650	648	655	666	676	674	674	683	685	688	684	680	682	681	680	679
11	678	680	680	680	676	675	669	669	663	663	663	673	685	693	673	671	707	686	691	676	683	693	692	693
12	697	706	688	683	688	686	678	676	670	664	657	664	664	664	668	670	675	673	678	683	683	691	688	686
13	684	686	684	686	686	688	688	686	684	674	668	671	677	656	666	687	691	695	690	696	684	684	684	691
14	710	703	681	681	677	677	674	677	672	662	658	661	672	679	684	687	696	694	692	693	691	688	686	683
15 *	684	684	680	682	681	681	677	668	661	657	658	660	653	656	654	664	681	682	678	689	688	686	683	683
16 *	682	682	681	680	680	679	675	667	666	667	668	668	670	673	674	679	684	686	692	689	689	690	691	689
17	688	685	684	686	686	682	679	674	673	676	680	680	684	682	685	690	685	686	699	711	713	726	734	724
18	703	697	691	677	675	691	685	667	668	677	659	672	686	683	673	703	653	677	679	686	693	691	688	683
19	708	681	685	683	663	683	679	669	647	625	659	663	661	659	656	667	669	676	693	683	693	686	684	686
20	695	676	671	673	680	677	672	661	659	666	673	668	657	657	668	669	686	681	692	691	695	700	690	687
21	686	685	686	682	689	683	675	666	663	654	669	673	651	647	670	667	680	683	686	683	687	683	682	685
22 *	682	677	675	673	675	670	669	667	667	665	657	662	669	676	676	679	680	683	683	687	687	687	685	685
23	682	683	681	679	680	679	679	677	677	675	681	687	680	682	687	693	677	693	695	700	691	693	697	697
24	703	702	681	680	687	686	673	671	673	677	680	687	670	669	680	698	706	689	704	701	705	695	687	684
25	689	684	675	678	670	663	669	666	640	641	655	659	663	667	678	681	680	676	693	696	689	687	685	685
26	686	686	686	686	687	686	683	677	664	622	666	686	688	688	673	694	710	680	719	702	710	695	676	615
27 **	634	663	648	636	631	620	601	597	579	588	596	625	635	646	658	668	692	680	690	697	690	672	665	665
28	665	672	666	669	668	662	656	652	645	635	618	635	647	660	690	699	696	680	692	707	696	680	684	687
29	693	655	655	655	649	678	653	633	620	615	645	650	646	647	652	664	691	713	707	708	685	682	676	671
30	671	668	678	660	681	662	656	650	637	632	632	633	651	656	666	669	678	688	692	706	696	682	687	688
31	681	678	653	662	657	650	676	666	647	643	647	651	650	646	653	668	677	681	702	700	688	686	682	682
Mean	682	676	670	668	667	666	662	654	648	644	650	657	658	662	666	673	681	684	691	690	685	682	683	679
Mean *	682	680	676	675	674	673	669	663	660	658	659	663	665	668	670	676	682	684	682	684	684	683	682	681
Mean **	670	657	651	643	649	645	638	622	613	607	617	628	632	648	655	657	682	686	694	685	666	655	667	660
June	18000 γ + Tabular Quantities (in γ)																								
1	671	673	672	671	667	661	659	662	657	649	655	665	662	658	660	659	665	680	692	686	678	678	676	674
2	670	668	667	668	668	674	682	676	676	670	664	664	668	665	664	671	684	692	696	689	680	679	682	678
3	680	679	679	678	685	681	675	672	673	667	657	647	646	652	666	680	681	701	703	706	682	681	678	674
4	700	679	673	673	673	671	666	662	659	659	663	662	666	675	675	678	688	695	701	695	691	687	683	681
5	675	675	677	689	683	673	670	670	673	668	671	677	675	669	673	660	681	685	696	698	695	693	696	688
6 *	685	684	677	678	679	679	667	667	673	677	679	685	682	678	682	684	686	689	698	697	693	689	689	684
7 *	684	683	683	684	687	683	674	665	659	660	668	666	673	679	679	687	696	699	707	706	703	703	707	703
8	702	702	709	716	697	695	692	688	679	676	678	673	672	672	681	688	718	688	703	704	702	697	705	702
9 **	704	706	708	694	698	683	676	676	669	658	658	663	672	690	662	666	676	688	694	695	700	694	699	695
10	699	688	681	675	680	682	669	666	661	662	658	660	665	672	657	686	692	702	703	704	711	697	683	686
11	684	682	682	678	683	684	666	653	658	655	650	649	658	664	670	670	694	706	700	700	697	695	689	687
12	678	682	687	677	686	688	682	668	665	659	661	668	666	669	677	687	692	699	703	699	696	690	693	687
13 *	685	682	685	684	691	689	679	668	666	662	662	662	663	663	670	682	687	688	696	692	702	702	698	693
14 **	688	688	692	694	696	697	696	682	644	649	667	657	654	656	679	702	704	672	722	702	682	688	682	692
15	673	677	680	687	689	684	679	677	664	650	649	648	639	642	661	668	676	688	678	699	696	689	691	692
16	684	682	682	671	687	672	657	673	656	646	652	642	648	658	672	655	678	676	678	688	692	686	689	685
17	682	678	677	681	673	679	676	661	666	666	660	670	667	668	682	686	679	693	695	692	689	690	687	686
18	690	689	677	677	676	679	674	666	663	663	659	650	663	663	673	679	678	695	696	695	698	701	705	688
19	685	686	687	692	695	692	683	677	674	672	669	667	659	660	663	679	695	690	695	697	697	689	691	686
20 *	682	685	679	682	684	681	678	676	671	674	675	671	665	667	675	682	691	688	692	691	690	694	694	693
21 *	689	690	684	687	689	689	689	685	678	673	673	669	659	665	673	683	695	699	703	700	698	699	706	699
22	693	692	694	693	687	689	688	699	703	693	696	687	693	716	677	703	719	698	712	716	695	670	671	674
23 **	686	677	678	669	675	676	671	650	638	644	656	645	640	625	660	657	672	686	681	684	697	704	695	677
24 **	674	684	695	697	678	657	638	643	639	628	642	644	644	655	678	685	671	667	664	681	685	678	676	682
25	669	671	668	674	673	673	667	656	644	641	645	655	649	652	653	673	689	679	682	683	697	717	710	711
26	694	669	691	702	692	687	676	664	661	663	645	655	666	673	654	679	671	679	691	695	697	690	687	685
27	683	683	681	676	694	691	676	657	657	646	644	645	652	650	670	685	678	695	709	697	692	687	687	688
28	669	677	684	676	681	675	666	660	653	650	652	640	653	665	677	683	687	686	689	690	689	687	684	683
29	679	675	676	681	679	679	679	672	661	657	655	661	672	678	685	690	691	699	703	714	724	710	681	694
30 **	737	694	699	691	711	563	543	502	473	531	568	607	618	619	638	657	668	669	673	678	676	674	668	662
Mean	686	683	683	683	685	677	670	663	657	656	658	658	660	664	670	678	686	689	695	696	694	691	689	687
Mean *	685	685	682	683	686	684	677	672	669	669	671	671	668	670	676	684	691	693	699	697	697	697	699	694
Mean **	698	690	694	689	692	655	645	631	613	622	638	643	646	649	663	673	678	676	687	688	688	688	684	682

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
July	18000 γ + Tabular Quantities (in γ)																								
1	657	655	655	658	661	659	655	652	654	655	648	640	637	641	654	668	676	681	691	690	712	726	728	693
2 *	681	677	677	681	682	678	674	664	660	651	656	664	666	662	671	674	681	685	689	692	689	687	685	682
3	678	680	682	681	679	677	676	674	663	653	653	657	661	678	681	696	675	677	686	683	683	682	682	682
4	677	675	673	673	671	671	676	674	665	651	655	666	665	665	671	668	684	691	694	695	691	687	691	688
5 **	691	691	694	694	691	666	691	676	663	659	675	655	680	648	647	692	710	713	697	660	694	648	641	655
6 **	670	667	666	665	642	650	667	618	652	651	634	638	644	654	657	657	665	674	677	682	680	681	683	686
7	679	675	675	671	668	669	670	667	655	658	664	665	661	664	666	680	684	681	683	684	685	677	677	675
8	675	677	677	677	677	676	664	660	660	655	647	648	658	658	671	666	679	688	695	689	687	689	695	698
9 **	693	685	681	692	694	681	667	655	665	639	646	664	658	669	659	658	668	701	701	700	683	686	681	681
10	677	679	682	683	685	685	663	662	650	649	635	632	642	654	670	670	695	712	691	684	680	684	690	690
11	677	687	673	680	675	670	672	671	666	653	640	642	646	650	646	670	690	698	700	690	685	685	684	681
12	680	689	691	682	691	688	682	669	667	661	649	655	657	659	675	683	693	701	706	699	698	692	691	694
13	692	691	691	689	687	685	686	686	678	672	658	663	678	685	684	668	688	700	702	704	698	696	692	692
14	687	696	699	706	699	678	680	675	666	665	660	660	642	644	642	676	660	686	705	697	698	691	689	702
15	688	677	677	674	681	697	686	679	669	662	665	669	671	672	656	670	687	701	708	699	696	693	689	688
16	671	674	673	669	681	677	669	665	667	664	658	662	662	663	678	672	685	693	696	698	688	690	689	683
17	681	679	678	679	683	682	682	679	675	666	663	663	669	680	677	668	678	692	703	707	694	695	700	694
18	692	686	683	683	689	693	687	677	673	670	663	661	653	670	685	686	679	693	693	700	696	694	696	685
19 *	683	685	685	682	682	681	681	680	680	683	688	681	683	669	670	677	688	689	691	700	703	702	703	693
20 **	695	700	695	689	691	700	697	700	694	687	688	647	665	670	708	683	696	690	714	710	717	726	709	691
21 **	690	680	682	677	689	669	671	633	657	658	653	626	661	642	678	677	674	677	685	700	697	697	692	703
22	702	676	676	666	665	675	671	660	644	638	651	666	666	665	668	672	681	685	693	694	711	688	683	689
23	684	679	678	674	683	684	678	665	655	655	655	662	662	669	669	677	678	686	697	690	693	708	691	685
24	688	690	686	688	690	684	680	672	672	672	680	679	680	679	681	682	686	694	691	700	698	694	696	685
25	682	679	679	679	682	679	675	669	668	668	662	662	664	672	672	679	707	715	703	696	694	689	677	687
26	687	686	676	687	681	680	659	662	667	666	658	668	672	675	678	685	682	692	692	692	690	687	686	684
27	684	682	680	679	678	677	679	680	678	672	667	670	682	680	685	684	698	696	701	702	697	693	715	690
28 *	690	690	684	686	688	689	683	677	675	676	672	670	674	683	690	696	693	694	696	699	696	688	686	682
29 *	679	678	677	678	681	678	674	668	663	655	655	659	669	671	671	678	687	688	697	697	694	690	689	681
30 *	681	681	681	681	682	681	677	672	667	662	664	669	671	675	679	691	694	695	695	696	697	695	696	696
31	694	696	704	706	704	711	709	686	664	667	660	651	647	661	662	682	691	679	688	687	691	688	691	686
Mean	683	682	681	681	682	680	677	669	666	661	659	659	663	665	671	677	685	692	695	694	694	691	690	687
Mean *	683	682	681	682	683	681	678	672	669	665	667	669	673	672	676	683	689	690	694	697	696	692	692	687
Mean **	688	685	684	683	681	673	679	656	666	659	659	646	662	657	670	673	683	691	695	690	694	688	681	683
August	18000 γ + Tabular Quantities (in γ)																								
1	687	681	675	674	681	687	682	671	674	668	668	669	672	675	678	681	695	700	697	691	691	687	692	688
2	682	689	685	680	688	687	682	677	672	667	667	671	676	677	686	691	703	698	679	694	698	697	706	705
3 **	691	693	695	696	696	701	703	683	677	675	675	673	667	652	667	640	658	687	690	679	686	684	680	682
4	677	688	681	675	676	673	671	664	675	675	675	678	687	685	687	689	671	681	689	708	703	687	689	715
5	713	685	681	685	673	681	681	675	673	668	672	681	687	694	695	692	687	685	685	698	703	702	701	696
6	711	715	675	687	672	670	675	663	655	658	655	647	663	665	658	657	681	676	685	689	688	688	690	697
7	701	701	685	691	681	684	681	670	644	643	644	653	651	669	670	669	678	684	684	693	693	691	689	691
8	680	684	677	682	687	679	676	675	664	649	645	649	644	656	671	681	685	695	694	697	684	691	688	687
9	683	684	685	684	687	685	678	671	662	656	650	654	661	664	671	681	691	692	706	696	690	690	685	680
10	678	699	686	682	691	690	691	686	670	658	658	654	653	661	683	686	672	664	678	685	681	680	681	677
11	678	689	699	691	694	694	687	676	674	665	655	651	655	667	670	677	687	691	703	707	704	706	705	694
12 **	678	681	681	678	681	684	685	677	659	651	637	647	674	674	684	675	677	681	688	683	704	687	684	676
13	682	681	677	677	675	675	675	674	671	665	661	664	663	664	667	671	674	690	691	694	691	685	685	681
14 *	680	677	675	676	675	677	675	666	662	662	669	668	672	674	675	674	679	685	691	686	689	691	689	686
15	687	693	685	683	682	684	683	675	671	668	672	674	682	684	689	683	686	691	697	701	725	705	701	697
16 *	684	680	688	681	691	684	681	681	679	677	672	670	670	679	684	691	690	691	689	687	689	689	691	687
17 **	686	695	698	701	707	695	708	711	703	694	697	671	674	687	667	667	674	673	692	697	708	677	677	687
18 **	699	681	694	677	677	687	679	671	669	678	678	681	665	668	670	689	703	691	686	684	685	687	723	681
19	671	673	683	687	671	661	668	668	659	653	672	681	682	684	678	687	671	681	687	688	687	687	687	685
20	680	675	675	675	684	661	670	671	657	644	651	656	677	675	675	681	689	693	692	696	691	691	701	687
21	681	687	688	688	687	689	681	674	668	675	687	695	695	701	701	697	689	688	693	691	694	694	694	694
22	689	691	691	689	688	691	687	681	665	655	659	674	685	691	694	696	701	692	692	696	701	695	694	681
23	680	684	694	684	689	690	685	676	662	660	660	666	677	675	680	686	693	692	689	699	702	695	693	692
24	690	694	694	694	690	694	690	684	670	664	666	666	675	682	695	707	704	697	700	704	703	698	694	692
25 *	692	692	692	691	692	689	680	670	658	646	645	650	664	669	682	684	694	692	692	694	696	693	694	694
26 *	690	692	694	692	690	684	679	668	662	660	664	663	677	685	688	690	695	699	707	703	700	690	690	690
27	685	691	703	690	684	686	684	656	654	663	660	667	666	670	679	685	680	687	693	689	691	693	691	690
28 *	685	687	682	683	681	690	686	680	675	667	665	666	668	673	678	684	686	690	690	694	691	690	686	687
29	687	692	690	689	688	685	686	685	684	675	672	677	683	683	695	698	681	676	686	675	686	672	662	663
30 **	663	674	661	678	645	668	662	672	684	680	676	672	667	668	678	674	676	674	679	686	674	682	674	677
31	672	674	675	667	670	677	683	679	671	664	660	653	664	670	666	669	673	678	684	684	684	681	681	674
Mean	685	687	685	684	683	683	682	675	668	664	664	666	671	675	679	682	685	687	691	693	694	690	690	688
Mean *	686	686	686	685	686	685	680	673	667	662	663	663	670	676	681	685	689	691	694	693	693	691	690	689
Mean **	683	685	686	686	681	687	687	683	678	676	673	669	669	670	673	669	678	681	687	686	691	683	688	681

* 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 **	683	688	722	712	700	671	658	642	645	632	645	625	644	644	648	663	675	676	676	679	663	667	692	685	
2	660	658	665	672	681	677	664	649	600	615	625	639	653	654	640	672	663	673	678	674	677	695	714	686	
3	675	673	663	652	672	654	645	641	639	629	649	657	663	657	664	671	671	665	672	674	679	674	689	683	
4	677	679	678	672	675	678	675	664	648	641	640	654	664	662	667	669	686	681	678	686	683	683	683	680	
5	686	687	678	675	674	680	669	659	661	668	663	674	692	691	689	689	665	676	638	638	657	669	672	661	
6	677	673	673	683	684	677	676	671	659	652	656	659	663	670	675	667	663	673	673	676	683	688	680	683	
7	683	683	682	681	673	699	673	661	653	651	653	659	670	675	683	686	682	691	672	680	695	672	652	633	
8 **	663	669	681	672	659	659	651	649	629	614	638	641	646	640	656	649	669	669	655	673	709	675	672	698	
9 **	663	667	654	678	655	672	652	634	635	639	597	619	649	646	662	653	677	669	675	684	693	679	682	694	
10	698	661	666	659	668	682	643	651	630	627	624	643	654	646	660	663	673	677	679	681	682	679	680	679	
11	680	674	673	673	679	687	688	677	672	662	654	642	654	649	645	661	660	670	688	688	684	697	690	675	
12	677	683	692	667	660	676	673	670	664	650	651	665	669	674	684	685	694	684	701	678	688	675	679	680	
13 *	673	674	673	671	677	674	673	669	665	663	662	665	670	671	674	680	684	685	688	687	691	690	692	690	
14	687	680	684	685	699	683	682	676	664	662	660	665	666	664	684	660	666	673	674	682	700	683	679	701	
15	678	680	674	674	674	674	672	672	667	666	672	677	680	674	676	665	675	684	683	675	678	680	685	690	
16	689	678	683	689	684	682	678	674	670	663	666	676	677	677	676	674	673	678	685	690	690	687	693	674	
17 *	674	677	686	682	681	677	676	672	665	662	659	654	658	656	670	677	680	684	688	686	686	687	687	685	
18 *	681	681	680	682	686	685	678	679	674	673	673	678	682	682	681	678	682	684	688	682	686	690	689	686	
19 *	684	686	685	685	685	685	685	678	670	660	654	662	670	681	686	685	684	690	694	695	694	691	684	687	
20	686	684	683	687	690	692	689	686	680	671	666	665	673	678	679	684	686	693	694	702	701	701	704	674	
21	694	696	665	660	663	666	666	660	653	648	650	650	654	666	670	674	680	683	682	680	683	682	683	686	
22	685	684	685	686	690	684	688	680	670	656	653	651	656	667	670	670	672	675	675	681	680	680	683	680	
23 *	681	680	680	685	690	690	689	687	678	670	664	665	673	677	680	675	684	688	693	694	691	693	693	690	
24	688	692	694	696	696	696	689	690	680	666	660	664	670	679	677	674	659	666	688	687	678	680	682	717	
25	686	682	682	684	685	686	686	684	678	668	661	662	664	671	680	690	702	704	696	680	696	710	693	687	
26	637	636	647	659	650	671	664	653	654	653	649	648	653	665	670	674	680	684	690	684	684	686	685	684	
27	680	680	678	680	696	710	691	680	670	666	640	626	636	649	647	636	651	672	680	672	676	680	682	680	
28	671	676	684	684	689	674	670	656	646	634	652	655	656	662	644	664	685	670	636	642	624	649	655	675	
29 **	662	693	668	658	667	662	679	639	628	626	614	616	630	616	660	657	661	668	672	674	698	643	638	641	
30 **	663	653	670	654	653	662	666	662	652	632	604	639	643	647	648	640	645	669	660	691	687	678	673	674	
Mean	677	677	678	677	678	679	673	666	657	651	648	653	661	663	668	670	674	678	678	680	684	681	682	681	
Mean *	679	680	681	681	684	682	680	677	670	666	662	665	671	673	678	679	683	686	690	689	690	690	689	688	
Mean **	667	674	679	675	667	665	661	645	638	629	620	628	642	639	655	652	665	670	668	680	690	668	671	678	
October	18000 γ + Tabular Quantities (in γ)																								
1	675	676	663	664	658	668	673	664	660	654	657	660	662	663	666	664	669	675	676	670	674	674	689	687	
2	677	676	676	683	681	684	682	676	674	660	666	666	666	658	658	672	682	682	676	667	674	660	674	679	
3	680	690	686	684	669	685	682	674	667	663	662	667	664	661	664	640	645	656	643	644	710	685	638	616	
4 **	673	680	656	660	672	659	655	638	640	645	660	661	656	646	647	634	645	655	676	680	684	661	713	663	
5 **	654	655	657	664	657	674	645	646	614	606	610	596	607	644	643	640	630	635	647	677	651	656	670	670	
6	661	658	653	653	666	672	647	663	650	626	640	643	643	636	634	646	673	670	683	666	672	682	676	674	
7	671	670	672	674	676	680	680	666	669	662	646	640	644	648	653	663	672	668	669	673	674	686	672	675	
8	678	677	690	684	674	680	685	680	673	663	653	660	664	644	678	683	676	675	675	680	685	687	688	694	
9	694	684	687	674	677	677	676	671	670	668	664	661	664	666	674	672	675	679	680	685	674	676	671	706	
10	677	673	676	676	677	682	683	680	676	665	664	666	667	673	678	683	687	680	685	673	680	650	673	674	
11	674	675	688	685	687	690	687	686	680	665	669	675	671	667	672	677	675	673	653	681	676	681	687	735	
12	692	673	680	685	690	682	666	675	669	661	656	657	663	661	672	674	671	675	675	679	685	687	680	687	
13	695	675	674	676	678	685	683	684	680	669	666	675	678	681	682	676	677	684	686	684	685	686	684	692	
14	681	682	677	675	685	684	695	685	676	664	661	661	673	678	679	682	675	679	682	681	683	681	680	678	
15 *	684	681	679	680	681	684	685	681	679	677	675	671	673	675	677	680	680	683	691	678	681	688	689	688	
16	685	687	687	685	683	691	693	691	692	689	687	684	690	680	687	683	688	688	689	689	691	687	675	672	
17	683	681	705	694	685	685	679	680	679	668	666	665	676	685	681	677	670	647	649	661	653	665	667	672	
18	675	677	680	691	693	690	692	677	653	654	658	663	670	667	671	662	656	651	665	679	671	676	685	690	
19	689	681	680	681	681	680	680	678	665	640	655	659	665	667	668	667	673	681	685	686	687	686	686	683	
20 *	683	685	687	682	689	685	691	686	679	667	665	665	672	675	671	668	668	669	683	687	686	684	683	685	
21	684	684	685	687	688	691	691	691	685	678	693	676	686	691	698	660	677	681	676	659	668	686	689	693	
22 *	684	685	687	685	681	687	685	685	683	675	669	675	674	680	682	681	684	685	686	686	687	685	683	681	
23 *	681	681	681	681	684	687	690	687	683	675	673	671	670	678	687	688	685	691	693	692	692	688	691	687	
24 *	687	687	685	687	690	691	693	689	681	673	670	670	671	675	682	689	692	694	696	698	697	695	691	690	
25	687	687	689	691	696	701	706	705	703	697	687	669	671	672	676	683	684	656	659	675	690	688	723	689	
26 **	679	698	676	675	694	671	685	679	668	665	667	649	628	634	619	627	623	627	656	657	659	663	664	694	
27	678	671	671	676	669	673	679	683	669	664	657	662	667	669	671	670	671	674	675	677	681	680	679	687	
28	676	671	680	674	678	684	693	690	682	671	670	674	676	677	675	677	670	689	687	688	691	690	687	685	
29	684	683	676	674	681	683	685	684	674	666	664	670	674	673	676	658	650	643	637	644	645	653	651	654	
30 **	650	664	656	662	705	670	675	679	671	666	670	671	674	675	663	644	615	623	640	638	633	650	686	666	
31 **	660	656	654	674	681	683	664	634	673	683	673	652	624	615	636	625	646	650	650	663	669	666	663	660	
Mean	678	678	677	678	681	682	681	677	672	664	664	662	664	665	668	666	667	668	672	674	677	677	680	681	
Mean *	684	684	684	683	685	687	689	686	681	673	670	670	672	677	680	681	682	684	690	688	689	688	687	686	
Mean **	663	671	660	667	682	671	665	655	653	653	656	646	638	643	642	634	632	638	654	663	659	659	679	671	

* 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 **	672	676	663	667	678	676	677	676	673	673	660	653	654	662	632	650	650	662	650	655	670	687	669	683
2	680	670	668	668	666	671	676	674	670	667	667	662	667	672	645	650	659	658	666	690	693	674	674	680
3	683	680	688	680	680	686	684	683	680	667	655	662	670	671	660	658	668	675	680	680	677	678	676	686
4 *	682	674	673	677	681	684	687	683	684	670	668	670	676	680	680	679	677	684	684	684	684	680	682	683
5	681	682	684	686	684	685	689	689	680	672	667	675	682	680	671	677	680	682	681	682	685	682	685	685
6	685	685	687	678	699	712	712	696	683	678	673	670	667	673	683	684	679	686	678	677	683	683	685	686
7	696	693	676	677	684	688	694	686	684	680	680	676	683	683	678	673	677	688	666	676	664	668	698	681
8	673	672	673	677	676	690	690	690	680	677	673	675	679	679	675	679	682	685	682	706	685	696	695	686
9	664	676	691	679	677	680	680	683	685	679	680	678	677	678	679	677	685	687	693	684	680	687	684	683
10 *	679	678	682	683	686	688	690	690	690	683	679	680	683	687	686	686	686	684	684	688	690	688	686	686
11 *	682	678	678	680	684	688	690	690	683	674	672	674	675	681	685	686	685	683	674	684	686	686	680	684
12 *	680	676	676	680	684	687	690	688	686	684	678	674	678	685	690	692	691	691	694	691	690	688	685	683
13 *	683	687	685	687	688	690	690	688	684	677	674	674	676	686	694	696	696	696	700	702	703	704	701	697
14	690	690	690	692	696	703	705	703	697	686	681	681	688	691	690	691	694	696	696	692	685	690	688	687
15	690	689	689	692	696	694	690	691	680	669	666	666	674	681	679	676	675	683	681	671	681	690	690	692
16	691	690	688	688	692	691	688	696	697	694	697	697	683	675	647	665	673	682	684	683	683	681	679	680
17	681	687	681	683	684	688	689	687	677	671	673	678	687	695	695	696	696	694	687	661	657	672	670	685
18	673	671	675	680	683	695	695	701	695	685	684	683	685	685	685	685	687	689	689	687	685	682	679	677
19	677	677	680	682	683	685	685	684	683	678	673	673	675	679	685	684	686	686	689	687	689	693	685	683
20	680	683	686	691	697	701	701	701	696	696	686	686	696	696	695	695	695	696	699	697	695	690	690	686
21 **	709	702	694	704	703	702	702	688	635	640	654	644	666	668	670	664	657	671	671	678	678	677	675	668
22	684	686	667	670	673	676	682	678	674	678	672	655	654	660	654	650	636	664	660	666	674	679	676	677
23	674	680	675	676	687	695	684	690	694	684	680	680	678	678	678	676	678	679	681	684	685	684	683	680
24	684	680	684	686	687	689	687	693	686	673	675	677	674	673	667	666	674	684	689	692	690	687	684	683
25	686	688	685	688	688	690	690	692	692	682	682	684	682	668	667	663	670	675	683	680	684	683	683	684
26 **	683	684	684	686	690	693	694	696	693	683	686	682	677	665	661	651	636	642	663	645	647	621	622	638
27 **	652	655	660	671	669	683	675	665	660	656	657	644	614	630	648	640	623	650	648	664	688	674	672	676
28 **	687	663	661	664	669	683	682	665	675	678	667	665	658	654	655	661	667	661	681	688	671	665	674	671
29	669	667	665	671	674	678	681	685	681	679	683	680	667	653	663	667	671	672	688	674	675	684	687	681
30	691	682	676	677	681	685	683	677	684	687	688	681	681	681	678	667	675	668	674	675	687	684	684	681
Mean	681	680	679	681	684	689	689	687	682	677	674	673	674	675	672	673	674	678	680	681	681	681	681	681
Mean *	681	679	679	681	685	687	689	688	685	678	674	674	678	684	687	688	687	688	687	690	691	689	687	687
Mean **	681	676	672	678	682	687	686	678	667	666	665	658	654	656	653	653	647	657	663	666	671	665	662	667
December	18000 γ + Tabular Quantities (in γ)																								
1	680	681	684	685	687	696	694	688	696	684	691	702	708	704	687	674	681	651	657	678	683	697	667	667
2 **	684	659	668	674	668	678	682	688	691	694	697	697	691	674	624	625	653	664	670	678	688	661	694	686
3	661	666	670	671	668	661	686	686	681	681	685	689	692	689	684	684	684	685	681	671	675	689	684	669
4 **	706	747	662	656	660	666	675	669	660	676	685	674	674	671	656	671	671	656	656	649	656	664	686	699
5	674	661	661	676	671	681	679	676	676	661	668	677	671	690	685	684	680	681	680	688	701	674	673	675
6	676	674	675	674	670	678	680	678	674	672	675	678	681	685	681	681	679	673	683	686	685	676	671	676
7	671	670	676	678	682	689	689	691	685	682	683	684	684	686	682	681	679	675	677	689	684	678	678	675
8	684	677	681	682	684	687	689	687	687	684	685	687	686	691	685	681	688	688	687	688	689	685	686	685
9 *	681	681	681	685	685	686	688	688	688	691	690	691	695	693	691	691	693	695	695	691	688	690	689	689
10	686	681	681	687	691	695	695	695	691	690	689	684	682	679	681	669	662	656	656	657	656	672	672	673
11	675	676	678	681	686	696	709	693	689	681	673	671	674	669	676	678	676	672	667	667	681	683	684	683
12	687	689	684	683	686	693	695	697	691	684	686	684	676	654	655	655	665	677	680	684	685	687	687	688
13 **	683	681	681	681	681	719	704	681	655	637	626	634	629	630	645	659	665	670	673	673	672	671	667	665
14	665	664	661	665	667	671	671	671	674	671	668	671	673	671	668	671	673	675	677	677	678	681	684	674
15	673	687	668	671	684	688	688	683	683	676	688	696	694	691	684	688	685	684	687	687	689	687	687	685
16	683	679	681	682	681	692	694	691	691	694	692	684	685	679	675	675	665	671	677	678	679	677	675	675
17	669	671	676	675	675	682	684	677	684	686	684	681	681	678	679	682	686	689	690	686	687	684	683	666
18	671	675	678	694	703	697	697	699	701	696	695	700	703	698	691	691	691	687	664	674	677	687	687	680
19 *	687	687	677	681	685	687	687	686	685	684	683	684	686	691	689	691	693	691	691	690	691	687	686	687
20 *	687	686	691	694	698	701	701	697	695	693	691	694	693	691	689	689	688	691	692	695	695	691	690	691
21 *	691	689	692	694	697	699	698	697	697	695	691	691	694	691	687	685	687	687	688	687	685	687	691	688
22	687	689	691	695	694	697	701	701	702	696	691	695	697	697	677	664	661	667	669	677	679	682	681	678
23 *	677	678	681	681	685	687	689	689	689	687	685	689	693	693	696	697	700	701	698	693	693	693	692	695
24	693	687	687	697	707	706	707	705	697	692	669	675	688	661	637	638	656	661	676	655	642	675	678	684
25	685	669	669	675	681	681	686	685	682	657	663	678	672	647	668	674	677	679	681	677	673	681	690	692
26	697	688	679	682	684	690	701	695	692	691	691	683	672	678	680	678	672	688	683	686	686	685	685	686
27	689	685	696	692	686	685	682	690	694	694	696	686	687	688	685	686	689	693	691	674	675	670	639	672
28	643	657	662	667	672	674	676	680	689	692	689	687	689	688	668	667	679	652	652	667	663	678	684	691
29 **	679	664	665	670	679	687	681	681	678	651	673	685	684	682	679	666	606	622	632	652	679	689	699	672
30 **	662	675	663	666	674	693	672	672	670	656	659	659	663	665	662	662	650	660	666	670	692	686	684	677
31	680	671	687	678	679	682	690	684	692	695	692	676	682	686	682	651	678	674	672	688	692	670	682	702
Mean	680	679	677	680	682	688	689	687	686	681	682	683	683	680	675	674	675	675	676	678	681	681	682	681
Mean *	685	684	684	687	690	692	693	691	691	690	688	690	692	692	690	691	692	693	693	691	690	690	690	690
Mean **	683	685	668	669	672	689	683	678	671	663	668	670	668	664	653	657	649	654	659	664	677	674	686	680

* 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	310	303	313	313	317	319	318	316	318	320	320	320	322	325	327	328	328	322	323	324	320	321	318	314
2	313	309	311	312	316	317	315	316	315	313	314	313	312	315	318	318	318	318	319	320	318	318	318	313
3	310	310	312	312	312	312	314	313	309	308	308	309	306	307	310	315	316	315	316	316	318	322	318	316
4	312	302	300	305	308	312	312	315	314	312	309	312	308	308	316	320	322	321	323	322	323	322	320	317
5 **	309	304	301	294	289	292	298	308	313	317	323	325	320	332	336	332	330	337	335	333	331	327	315	310
6	314	309	297	298	298	294	296	304	313	313	317	314	316	318	322	325	335	341	338	336	331	328	323	321
7	318	318	317	316	318	318	317	318	317	315	319	319	318	327	338	338	338	338	333	338	338	324	320	318
8	314	309	310	306	307	310	311	315	315	318	320	319	318	318	320	321	324	325	325	322	319	319	319	318
9	315	314	313	313	312	311	311	310	310	311	312	313	312	315	317	319	319	319	319	330	329	325	323	326
10	325	323	319	315	309	300	304	303	304	312	316	313	310	319	326	325	329	338	332	329	327	323	326	315
11	308	304	308	310	310	312	314	315	313	312	314	312	313	317	326	327	329	339	334	329	327	321	319	320
12	318	316	315	308	299	305	307	310	312	313	312	314	317	321	332	334	336	339	332	330	330	319	321	303
13 **	305	308	304	308	310	310	310	311	311	308	313	311	320	325	342	350	344	340	338	335	326	311	316	302
14 **	304	303	310	308	300	306	309	313	316	316	315	317	318	322	334	336	340	342	341	335	331	314	311	315
15	315	311	312	314	310	311	313	315	320	321	322	316	315	322	353	368	360	354	345	341	338	330	325	326
16	327	327	321	320	320	322	321	320	319	320	320	319	320	319	325	326	330	329	328	330	326	325	323	321
17	319	319	319	319	316	315	316	317	317	319	323	321	319	320	326	324	323	322	322	322	320	320	319	319
18 *	318	315	315	315	315	317	317	317	319	319	320	318	310	311	316	319	321	319	319	319	319	319	317	313
19 *	312	311	312	313	313	315	315	317	314	314	315	315	315	314	317	316	319	320	320	321	319	319	319	317
20 *	315	313	313	313	313	313	313	313	313	311	311	310	307	308	313	314	315	317	319	321	322	319	318	314
21 *	312	312	313	312	312	312	313	312	314	316	315	315	311	311	317	318	318	316	318	318	319	319	319	317
22	315	312	312	311	310	313	312	311	308	304	308	311	309	306	311	313	315	311	314	318	320	328	330	330
23	325	320	317	313	310	310	309	308	307	303	303	312	314	311	318	321	326	331	339	343	346	341	322	308
24	308	306	308	308	308	311	312	311	310	309	310	316	315	311	318	323	332	328	321	322	323	319	316	310
25	309	309	307	308	311	310	310	308	314	313	314	314	314	319	323	322	324	322	322	322	320	317	314	312
26 *	312	312	312	309	310	310	308	309	309	308	305	308	309	310	311	310	309	308	307	307	308	307	307	307
27 **	308	306	305	304	304	299	297	294	296	298	302	301	306	318	334	352	363	356	349	339	329	325	323	306
28	309	310	313	313	314	306	308	309	306	309	309	307	307	313	325	328	327	327	321	320	319	320	314	313
29 **	314	314	314	315	315	315	310	309	309	310	315	318	322	324	333	339	345	363	382	366	371	345	337	329
30	326	324	319	312	312	309	309	311	311	313	314	317	318	319	321	325	329	325	326	329	324	319	318	316
31	317	317	318	318	317	319	315	313	313	310	310	315	315	318	319	319	326	326	326	322	320	319	318	317
Mean	314	312	312	311	310	310	311	312	312	312	314	314	314	317	324	327	329	329	329	328	326	322	320	316
Mean *	314	313	313	312	313	313	313	314	314	314	313	313	310	311	315	315	316	316	317	317	317	317	316	314
Mean **	308	307	307	306	304	304	305	307	309	310	314	314	317	324	336	342	344	348	349	342	338	324	320	312
February	43000 γ + Tabular Quantities (in γ)																								
1	317	312	310	310	313	315	313	312	306	307	308	308	319	321	333	333	345	342	340	350	339	327	320	320
2	319	317	311	306	314	319	320	320	318	316	316	314	310	313	317	322	324	325	326	325	324	320	316	314
3 *	312	310	312	314	314	314	315	316	316	315	315	316	314	316	320	320	320	318	320	320	318	318	315	313
4 *	312	311	311	311	311	311	311	314	313	310	310	310	307	309	312	315	318	315	316	320	320	317	314	312
5 *	312	313	312	312	311	311	310	310	310	305	302	302	300	304	310	310	310	310	310	310	310	310	310	310
6 **	306	305	307	306	305	307	305	303	305	307	307	309	310	311	315	321	331	368	354	351	336	331	330	322
7	319	317	311	305	307	311	312	313	315	315	313	323	327	330	338	333	336	334	338	331	331	330	321	309
8 **	306	304	311	312	313	315	312	309	306	310	312	317	321	321	327	333	334	326	325	322	312	318	321	311
9	307	309	315	313	305	308	314	316	315	312	315	315	317	319	323	341	345	335	328	326	319	322	310	310
10	307	310	313	315	315	316	315	314	315	313	314	318	319	320	321	324	335	339	335	328	325	321	299	287
11	284	284	289	299	307	313	315	319	318	313	312	316	324	326	328	329	329	331	333	329	323	318	318	314
12	297	308	311	313	311	302	303	305	309	309	309	310	314	325	331	338	343	333	329	331	324	321	302	310
13	308	305	311	312	313	314	314	312	311	305	301	303	309	311	321	338	338	330	327	328	327	323	303	301
14	311	308	308	309	311	315	315	315	314	313	310	309	309	311	321	325	330	332	333	330	325	323	319	314
15	316	314	314	313	312	315	313	313	314	311	311	309	309	311	313	318	319	321	321	321	320	319	317	315
16 **	308	301	301	300	304	301	292	290	298	303	310	312	323	329	343	341	342	340	340	334	334	339	328	321
17	314	306	304	312	319	321	321	323	330	327	322	320	318	312	315	318	322	321	323	323	324	323	321	317
18	314	308	308	311	312	314	312	314	318	311	310	312	313	310	315	317	323	321	321	325	327	330	325	320
19	305	299	296	296	307	311	312	312	312	310	309	310	309	312	317	320	323	325	338	342	339	304	310	310
20	304	304	306	307	309	310	309	313	319	321	323	330	330	330	332	330	332	330	327	325	323	322	319	317
21 *	313	312	312	310	310	312	311	313	315	316	313	312	311	309	312	315	316	316	318	320	320	318	316	314
22 *	313	311	311	310	311	311	311	312	313	316	315	313	311	311	312	311	314	317	317	320	321	319	317	314
23	313	310	308	309	309	310	308	310	309	308	310	309	305	307	307	310	309	309	309	310	310	311	310	309
24 **	290	266	252	243	273	288	306	311	312	306	305	313	321	347	343	350	367	368	365	346	334	333	327	317
25	308	311	318	320	320	322	321	320	319	315	313	317	319	323	324	321	323	321	320	322	322	322	320	320
26	320	313	310	310	313	314	310	310	308	303	304	307	310	312	317	319	329	340	344	340	333	325	320	318
27 **	321	319	318	307	307	306	311	307	311	308	307	309	317	325	330	333	341	337	333	332	331	321	302	314
28	316	304	300	300	294	299	305	313	311	320	314	314	318	327	339	352	361	354	348	335	330	324	321	317
29	319	316	316	315	315	315	317	318	316	311	309	306	315	321	330	331	341	335	332	329	325	322	320	315
Mean	310	307	307	307	309	311	311	312	313	312	311	313	315	318	323	326	331	331	330	328	325	322	316	313
Mean *	312	311	312	311	311	312	312	313	313	312	311	311	309	310	313	314	316	315	316	318	318	316	314	313
Mean **	306	299	298	294	300	303	305	304	306	307	308	312	318	327	332	336	343	348	343	337	329	328	322	317

* 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	300	297	299	304	310	315	314	315	311	307	304	303	305	308	314	329	325	324	325	323	321	319	316	317
2 *	314	313	313	314	314	314	314	316	315	311	309	307	307	309	309	313	316	316	317	317	317	317	316	314
3	311	312	311	312	311	313	311	312	306	301	298	296	299	308	310	311	321	324	353	355	357	339	321	311
4 **	295	303	295	285	277	265	275	284	290	292	294	305	324	321	323	337	358	362	351	349	333	333	328	319
5 **	306	288	278	287	285	296	291	303	306	308	311	323	321	335	342	385	401	402	361	351	327	313	262	241
6 **	234	208	221	224	231	247	248	281	287	293	299	306	311	311	319	329	332	334	347	345	345	343	327	322
7 **	322	314	313	310	303	311	312	316	321	317	311	323	320	324	341	348	345	360	345	344	340	328	321	291
8	287	301	309	312	308	311	311	313	309	306	304	311	320	331	330	339	352	356	351	330	331	322	320	320
9	301	291	287	302	308	313	311	315	316	312	313	318	319	325	330	349	357	355	339	332	319	307	296	297
10	293	309	309	313	313	317	311	314	311	310	313	315	315	322	334	337	351	359	344	340	333	320	297	298
11	284	282	290	301	311	314	314	315	315	313	311	310	314	317	327	334	340	341	349	331	329	328	322	311
12	311	303	304	303	311	317	318	319	317	315	311	308	309	315	331	335	335	334	338	339	334	325	319	315
13	316	316	318	319	321	321	321	321	317	313	309	304	306	313	321	328	331	327	327	326	323	320	313	309
14 *	311	312	316	318	320	321	321	323	319	313	306	308	313	316	320	323	327	323	323	324	323	321	320	315
15	312	311	313	313	315	314	318	320	316	311	307	302	303	307	314	326	332	336	336	337	345	338	324	324
16	323	321	320	319	317	311	312	311	311	311	310	310	311	314	317	325	331	332	330	331	337	330	324	314
17	302	307	311	308	304	303	306	311	308	307	311	318	321	325	340	338	341	342	335	330	327	324	321	313
18	312	314	315	313	313	314	312	316	312	314	311	306	308	312	319	328	331	329	328	326	324	323	322	318
19 *	313	311	313	313	314	317	318	319	316	310	306	302	302	305	311	320	326	325	324	323	321	318	316	315
20 *	312	312	313	313	313	315	315	317	315	313	310	308	307	307	310	313	318	319	318	319	318	318	318	315
21	313	308	306	308	307	307	309	310	304	303	303	310	312	321	331	336	333	333	333	334	334	329	321	291
22	291	293	284	284	285	284	292	301	306	306	305	309	312	316	321	324	329	330	331	331	319	320	318	300
23	258	262	270	284	289	291	289	291	294	295	297	304	305	311	317	322	327	330	347	331	326	324	322	319
24	319	320	317	310	287	294	299	308	305	310	306	311	311	314	327	341	344	346	348	340	332	320	304	306
25	311	312	315	317	315	315	312	313	310	313	312	308	319	321	320	323	334	334	333	333	329	321	316	316
26	314	308	295	304	310	313	315	314	309	302	299	298	302	310	317	326	329	324	321	323	327	322	318	316
27	316	317	315	315	312	309	311	311	308	301	295	292	300	311	315	316	329	334	325	323	323	321	319	316
28 *	316	316	318	318	318	315	317	316	311	305	300	299	299	303	311	313	315	314	313	314	315	314	314	314
29	313	313	313	312	311	312	313	317	314	309	304	297	292	297	303	311	317	320	319	319	318	314	315	312
30	305	300	303	306	309	313	313	313	310	303	297	293	291	291	302	328	336	349	349	343	349	339	281	284
31 **	271	238	242	266	278	296	312	315	310	311	312	308	309	313	323	340	375	362	356	345	331	320	320	302
Mean	303	300	301	303	304	306	308	311	310	308	306	307	309	314	321	330	337	338	336	333	329	324	315	308
Mean *	313	313	315	315	316	316	317	318	315	310	306	305	306	308	312	316	320	319	319	319	319	318	317	315
Mean **	286	270	270	274	275	283	288	300	303	304	305	313	317	321	330	348	362	364	352	347	335	327	312	295
April	43000 γ + Tabular Quantities (in γ)																								
1	301	301	286	289	293	303	314	312	313	313	311	311	317	319	337	351	353	347	343	337	330	327	323	322
2 **	321	313	277	280	274	291	302	310	310	308	312	312	307	313	319	325	338	362	370	361	328	321	329	290
3 **	278	283	280	279	284	284	282	290	294	296	310	309	321	321	333	348	373	371	354	345	339	308	312	299
4	294	295	284	290	296	304	309	309	302	303	304	311	314	322	328	336	349	354	358	338	313	302	301	302
5	307	293	293	284	293	303	304	301	294	297	304	307	306	312	331	334	341	350	347	342	332	321	313	295
6	278	261	281	290	298	304	306	310	306	299	305	302	301	312	322	324	333	329	327	327	320	312	295	279
7	275	292	304	310	312	313	304	303	299	297	295	300	309	312	322	326	331	338	343	333	330	316	313	315
8	302	293	307	311	309	294	300	306	307	306	303	305	303	309	325	328	327	332	340	332	323	317	316	313
9	300	294	299	300	304	313	313	310	306	308	305	298	301	308	312	318	330	346	346	334	326	324	316	300
10	287	266	262	280	289	294	295	300	300	300	300	298	303	310	317	321	325	325	325	324	323	320	319	314
11	313	315	315	314	314	314	314	314	312	308	306	303	307	314	318	320	323	323	325	327	324	322	321	320
12 *	318	314	307	309	308	310	314	315	313	305	297	287	286	297	308	313	318	321	321	320	320	322	320	319
13	317	311	305	294	283	290	303	312	313	308	302	302	301	305	313	320	323	325	329	330	328	321	319	317
14	316	316	317	317	316	316	316	318	316	311	310	303	297	302	309	319	324	329	329	325	322	321	321	318
15	317	316	314	311	312	310	311	312	312	308	300	295	296	313	321	323	330	333	333	331	326	322	320	316
16	316	316	315	307	310	309	307	310	308	307	304	303	304	311	316	320	328	330	328	329	324	319	317	316
17	315	314	313	304	294	297	304	314	313	313	310	302	304	307	312	318	323	324	323	324	323	320	318	318
18	316	315	314	314	314	317	316	318	315	311	306	299	290	290	299	306	314	324	332	334	328	315	302	299
19	286	282	292	300	306	310	311	317	314	308	302	296	299	306	322	329	329	331	336	340	332	326	321	305
20 *	309	310	311	312	310	310	309	313	310	306	302	297	293	297	304	311	313	319	319	320	320	321	318	313
21 **	313	310	306	308	311	310	309	304	300	299	293	286	282	300	325	354	390	406	422	396	366	346	318	300
22	318	311	312	310	309	312	310	310	310	307	306	309	310	318	324	330	332	330	329	327	324	326	328	325
23	322	320	319	315	320	320	325	323	320	312	308	305	304	310	319	325	329	332	333	332	326	323	321	321
24	320	320	320	320	322	322	323	323	322	312	304	303	308	313	318	333	340	342	338	330	327	323	312	310
25 *	312	316	317	319	321	319	319	318	316	310	304	293	293	301	308	315	320	320	323	322	319	319	319	317
26 *	314	315	315	316	318	317	320	318	314	310	300	296	299	300	308	312	313	322	326	330	327	325	320	316
27 *	313	313	313	313	315	315	317	314	313	310	300	294	292	298	306	312	312	312	313	314	313	314	313	311
28	310	306	305	300	284	282	286	292	300	304	305	300	300	314	324	338	348	358	358	346	333	325	322	314
29 **	300	298	303	310	301	296	290	284	288	290	290	284	290	295	306	320	357	373	360	354	309	315	296	280
30 **	276	266	263	290	304	300	306	304	301	301	296	307	304	312	316	326	343	343	344	333	326	308	297	273
Mean	305	303	302	303	304	306	308	309	308	306	303	301	301	308	317	325	334	338	339	335	326	320	315	308
Mean *	313	314	313	314	314	314	316	316	313	308	301	293	293	299	307	313	315	319	320	321	320	320	318	315
Mean **	298	294	286	293	295	296	298	298	299	299	300	300	301	308	320	335	360	371	370	358	334	320	310	288

* 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 **	273	256	250	270	290	300	305	310	317	307	306	306	318	320	332	336	338	348	344	345	330	310	310	296
2 **	275	277	263	261	281	296	308	308	309	308	308	312	310	325	331	346	346	343	343	335	324	323	306	284
3 **	284	276	278	284	301	288	295	294	303	305	303	303	304	310	321	337	351	353	358	339	328	304	284	263
4	250	267	277	288	286	297	308	313	313	315	310	307	304	312	318	325	332	328	333	337	328	320	310	300
5	286	269	283	303	313	310	312	306	309	297	300	300	308	320	316	322	327	330	336	333	325	323	319	302
6	297	297	298	307	310	305	300	294	282	288	298	303	304	312	313	320	327	332	332	330	328	325	320	312
7 **	304	306	304	308	300	296	292	293	288	295	303	303	310	350	383	400	426	418	398	371	357	350	332	330
8	330	328	306	298	317	322	322	313	304	301	299	298	300	303	313	320	324	331	337	337	333	323	324	324
9 *	323	320	320	320	323	321	321	318	313	308	305	300	298	308	314	319	320	321	320	321	321	320	320	321
10 *	319	311	313	316	319	319	318	314	311	305	296	294	294	297	306	312	319	320	320	319	316	316	317	317
11	316	317	317	318	318	320	315	314	309	300	293	293	293	302	309	312	316	318	334	334	332	325	322	319
12	318	308	306	312	315	316	314	312	310	305	303	300	302	308	310	315	321	324	327	326	324	320	316	315
13	313	313	314	316	320	316	315	313	308	298	297	294	294	306	311	317	320	322	320	322	322	322	318	315
14	304	292	294	304	313	316	317	317	313	307	302	299	300	306	310	316	322	320	320	318	317	315	314	313
15 *	312	312	312	314	318	318	319	318	314	310	305	303	299	304	310	316	322	326	325	324	319	319	317	314
16 *	312	313	312	314	319	318	316	317	313	302	296	291	294	303	309	316	319	320	322	320	317	316	314	314
17	311	310	310	314	317	317	317	314	307	301	294	291	299	301	306	313	314	314	314	314	312	314	311	310
18	304	304	288	296	307	309	307	310	313	306	300	302	300	303	307	320	329	352	348	337	330	327	320	319
19	312	304	310	309	299	291	300	300	297	295	297	298	300	304	311	322	333	340	336	327	325	320	319	318
20	308	306	308	309	309	311	313	312	306	301	297	294	293	301	309	318	326	326	324	322	319	319	313	314
21	314	312	309	311	315	312	313	313	308	298	296	293	293	301	307	313	318	323	323	321	319	317	315	313
22 *	311	311	312	314	318	317	319	319	319	313	307	303	305	309	315	319	322	323	321	320	317	316	314	314
23	313	313	313	314	316	313	312	306	302	298	293	283	283	291	301	313	314	317	317	320	315	314	313	309
24	305	303	303	305	307	306	305	303	299	295	287	280	287	302	312	318	324	323	324	322	318	314	315	313
25	299	289	291	297	301	304	306	306	301	298	296	291	291	295	300	308	315	319	319	316	315	313	312	311
26	312	313	313	313	315	313	313	310	303	294	293	289	287	293	302	313	322	328	340	330	325	323	299	266
27 **	228	217	233	255	284	304	310	313	316	313	310	316	328	330	345	350	357	347	346	336	325	317	315	308
28	304	309	306	308	314	316	318	315	314	308	303	303	302	309	323	343	350	348	348	343	320	316	314	293
29	278	282	293	296	292	300	306	307	302	299	296	294	301	310	316	324	333	342	339	333	326	321	315	310
30	308	301	293	290	290	294	300	299	297	289	284	289	296	304	312	321	329	329	325	328	323	319	319	300
31	292	282	278	296	300	297	299	303	300	304	302	297	301	309	316	325	334	330	334	331	330	316	317	306
Mean	300	297	297	302	307	308	310	309	306	302	299	298	300	308	316	324	331	333	333	329	324	319	315	308
Mean *	315	313	314	316	319	319	319	317	314	308	302	298	298	304	311	316	320	322	322	321	318	317	316	316
Mean **	273	266	266	276	291	297	302	304	307	306	306	308	314	327	342	354	364	362	358	345	333	321	309	296
June	43000 γ + Tabular Quantities (in γ)																								
1	308	314	315	316	315	311	315	317	316	311	305	305	304	306	310	316	318	320	322	323	322	322	318	316
2	314	314	310	310	312	312	314	316	316	312	309	305	305	307	312	316	320	323	328	333	328	323	320	320
3	318	317	314	310	312	307	310	308	313	313	306	302	303	307	313	319	321	330	334	330	326	324	322	319
4	308	302	305	310	316	318	318	318	314	307	305	302	300	303	302	308	318	322	325	326	324	320	318	317
5	315	315	313	310	310	313	312	312	306	296	297	298	300	306	315	318	326	327	326	325	324	323	320	316
6 *	312	308	311	314	318	318	310	306	305	304	309	307	306	310	315	319	319	321	321	320	320	319	318	318
7 *	315	314	314	316	320	321	316	314	306	300	300	300	300	304	309	314	319	320	324	322	320	320	317	316
8	314	312	311	299	303	306	306	305	302	300	296	295	304	311	318	320	321	325	330	331	330	321	319	315
9 **	314	310	308	310	315	312	312	312	311	304	300	296	304	312	331	336	329	330	329	326	325	319	315	310
10	301	300	305	310	314	314	317	316	314	311	303	300	306	312	314	327	330	330	327	325	324	320	311	303
11	300	303	309	313	319	319	318	320	319	314	305	301	305	309	312	317	324	330	330	328	325	323	320	317
12	314	311	310	314	320	320	320	320	323	320	316	313	306	304	308	317	319	323	325	325	322	320	317	314
13 *	312	312	314	316	321	321	320	317	311	300	294	290	290	294	299	309	311	315	320	319	319	314	314	311
14 **	310	310	310	314	315	315	314	310	304	308	307	299	301	303	309	317	330	340	352	344	334	330	319	307
15	310	314	315	311	296	299	304	306	306	302	296	293	292	298	308	315	316	322	323	325	324	322	317	312
16	308	309	308	309	311	307	311	309	308	310	310	307	310	317	322	329	335	336	332	326	323	324	321	319
17	315	314	311	311	311	309	310	310	309	305	307	304	300	308	321	324	327	330	327	330	326	323	319	317
18	310	299	299	301	303	303	307	307	312	311	308	398	296	301	311	315	318	320	325	324	320	320	317	313
19	313	314	313	315	316	315	314	312	311	305	298	295	301	304	307	311	316	321	324	323	321	319	317	315
20 *	314	314	314	314	316	315	314	310	301	299	301	300	301	305	314	320	325	321	323	320	319	318	316	316
21 *	314	311	311	314	317	314	314	313	309	305	302	297	298	305	310	315	319	315	316	315	313	315	315	314
22	311	311	312	313	312	310	307	305	303	306	299	294	297	307	307	317	329	344	349	343	336	325	324	319
23 **	311	305	304	295	300	303	304	301	304	298	299	296	307	311	326	331	340	338	331	325	324	319	313	306
24 **	307	291	271	270	286	297	304	301	304	301	294	302	307	317	345	359	359	349	345	337	324	319	317	306
25	307	313	315	317	321	324	323	319	315	311	303	303	304	309	326	339	340	340	345	341	334	328	320	316
26	308	305	306	304	306	307	310	313	313	306	311	307	312	318	325	332	322	324	329	328	325	323	318	315
27	313	314	310	310	308	307	309	312	314	316	309	303	302	303	310	323	330	336	338	334	329	323	318	310
28	308	312	308	313	317	318	320	320	316	309	301	297	303	307	318	323	326	326	324	324	322	320	318	318
29	314	315	315	318	318	317	317	315	312	309	303	304	302	308	317	324	323	323	324	326	323	320	308	305
30 **	293	290	286	263	223	153	165	195	227	272	310	338	346	345	344	350	350	348	346	340	334	331	328	328
Mean	310	309	308	308	309	307	308	308	307	305	303	302	304	308	316	323	326	328	330	328	325	322	318	314
Mean *	313	312	313	315	318	318	315	312	306	302	301	299	299	304	309	315	319	318	321	319	318	317	316	315
Mean **	307	301	296	290	288	276	280	284	290	297	302	306	313	318	331	339	342	341	341	334	328	324	318	311

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
July	43000 γ + Tabular Quantities (in γ)																								
1	326	324	323	327	330	330	329	325	322	320	318	317	318	320	323	326	327	330	330	328	329	326	318	320
2 *	321	320	320	321	324	323	321	323	322	312	308	307	313	317	320	318	320	320	323	323	322	322	320	319
3	318	318	318	319	320	318	318	322	322	320	318	313	315	319	323	331	336	344	348	342	336	332	327	324
4	321	322	322	323	324	320	321	320	314	307	308	307	311	316	321	324	326	326	328	326	326	327	326	322
5 **	321	318	316	319	316	309	307	306	312	314	316	314	322	335	359	372	382	388	379	367	346	326	331	329
6 **	326	322	327	324	320	317	322	314	308	306	304	302	314	320	323	327	327	329	328	328	326	326	324	321
7	321	321	319	320	321	320	316	318	319	317	314	307	308	313	318	328	333	333	336	332	325	324	323	322
8	321	321	321	322	326	326	324	323	323	314	307	303	306	313	323	329	334	335	334	329	325	323	322	319
9 **	315	316	316	316	317	319	322	318	310	307	314	312	306	314	325	335	344	340	337	334	329	328	325	322
10	320	321	320	321	321	318	320	324	322	320	308	309	312	316	324	332	345	356	359	349	337	330	325	322
11	312	308	306	315	316	316	316	318	320	317	310	305	311	317	320	324	330	332	335	332	327	323	322	321
12	319	315	309	310	314	315	316	319	318	319	315	314	314	314	319	324	325	326	323	323	324	322	322	322
13	317	315	315	317	320	321	318	312	307	307	302	300	300	307	315	316	322	328	330	330	326	322	320	318
14	317	316	307	306	308	312	316	321	318	315	309	304	302	307	308	319	328	336	336	334	328	326	322	317
15	306	307	311	313	315	312	312	316	314	311	312	312	307	307	310	320	325	330	330	329	325	324	322	315
16	311	314	314	315	320	320	317	317	321	318	316	313	311	313	319	319	323	326	331	331	326	324	321	320
17	317	317	316	316	318	312	313	314	311	309	303	302	303	306	311	319	326	330	331	327	323	324	321	318
18	315	315	315	315	311	309	310	310	309	307	300	300	301	301	309	317	320	323	322	322	321	321	319	316
19 *	315	315	315	316	319	318	315	311	305	304	305	303	302	304	309	310	316	317	320	320	317	316	316	315
20 **	312	310	307	311	312	312	313	311	309	305	292	291	295	299	316	329	337	340	338	335	330	323	307	303
21 **	301	298	295	295	287	291	301	301	310	314	317	309	315	325	344	360	347	341	341	334	329	323	314	308
22	300	302	308	310	314	314	316	317	314	308	306	303	302	303	304	311	319	323	326	328	324	317	318	314
23	309	312	314	315	317	319	319	315	312	310	308	303	297	298	308	321	324	325	326	323	320	318	314	314
24	310	305	308	313	317	317	315	315	316	311	306	295	298	300	305	313	319	326	327	328	324	324	318	311
25	309	312	314	317	319	319	318	318	316	320	304	297	294	299	308	317	327	335	332	330	327	321	315	311
26	305	301	301	291	303	308	309	311	310	305	300	305	308	311	315	320	323	325	321	320	316	316	317	317
27	313	311	310	312	315	315	315	317	315	310	295	294	294	299	310	317	321	325	325	325	324	321	316	311
28 *	311	312	313	314	316	314	312	311	308	305	305	304	299	302	305	311	315	317	316	318	317	316	315	314
29 *	313	312	312	314	317	318	317	315	311	307	303	302	303	305	309	315	317	317	318	319	317	316	316	315
30 *	314	313	312	313	317	316	318	323	318	312	309	297	295	299	304	310	314	319	321	323	321	320	318	317
31	314	314	311	309	310	309	309	313	314	313	310	305	301	304	312	325	331	339	343	340	335	327	324	319
Mean	315	314	313	314	316	316	316	316	315	312	308	305	306	310	317	324	328	332	332	330	326	323	320	317
Mean *	315	314	314	316	319	318	317	317	313	308	306	303	302	305	309	313	316	318	320	321	319	318	317	316
Mean **	315	313	312	313	310	310	313	310	310	309	309	306	310	319	333	345	347	348	345	340	332	325	320	317
August	43000 γ + Tabular Quantities (in γ)																								
1	317	313	314	315	311	311	311	312	310	310	311	311	307	305	309	316	318	321	321	323	325	323	321	317
2	313	311	305	311	314	315	317	319	314	309	307	307	305	305	313	317	323	327	331	331	323	321	321	313
3 **	311	311	312	312	305	297	297	296	295	295	292	299	304	311	327	337	345	345	340	331	331	328	324	323
4	317	311	307	310	319	319	318	318	317	309	301	301	301	305	311	322	321	321	325	330	321	321	317	309
5	295	297	305	308	311	311	313	316	311	313	311	304	301	305	311	321	327	334	334	328	320	319	318	319
6	315	296	283	295	296	299	306	310	306	303	301	302	301	305	312	324	328	328	327	326	322	321	317	317
7	311	296	300	304	311	316	317	316	313	312	311	305	302	303	307	318	324	331	334	333	324	321	318	315
8	306	311	312	316	321	320	322	323	321	317	311	305	305	311	313	315	316	319	319	319	319	318	314	314
9	312	313	314	315	318	317	320	321	316	312	308	303	302	308	312	317	321	323	328	327	323	322	318	317
10	312	298	292	296	300	303	305	307	305	302	301	296	295	307	317	329	333	339	344	337	329	326	319	315
11	311	314	305	305	314	316	319	318	315	313	314	307	305	307	309	314	317	323	323	321	320	321	314	315
12 **	308	288	294	306	314	314	316	317	314	312	307	306	306	310	320	324	333	331	329	330	326	320	319	315
13	313	311	313	314	316	316	316	317	316	313	311	309	300	304	308	315	320	326	326	325	322	320	319	315
14 *	312	311	310	313	315	315	316	317	315	313	308	301	299	305	312	317	318	320	323	322	319	318	316	315
15	314	311	308	309	314	313	314	310	305	305	304	304	302	305	310	314	315	318	315	316	315	315	313	311
16 *	310	310	308	309	312	310	310	308	305	306	307	307	304	306	314	320	320	320	318	317	315	315	315	313
17 **	313	313	308	307	306	303	303	302	298	292	292	286	293	298	300	311	322	326	326	330	320	313	314	314
18 **	300	300	296	302	300	294	303	307	308	306	300	293	289	295	303	318	324	338	333	324	320	320	315	303
19	305	306	299	297	300	303	306	310	305	300	300	293	290	293	300	314	324	329	324	320	317	315	314	313
20	308	309	305	306	310	300	298	302	303	293	295	300	308	309	312	317	319	321	323	325	320	318	313	307
21	308	310	309	310	313	310	310	308	306	299	293	289	287	293	302	310	313	314	312	313	312	311	310	310
22	310	311	310	310	313	312	312	312	310	300	296	290	289	302	312	320	320	317	313	312	310	311	311	313
23	310	309	296	303	311	311	312	311	306	300	294	287	290	300	309	314	317	315	311	314	311	312	312	311
24	310	312	311	311	312	314	314	313	306	304	292	283	280	287	296	302	304	310	310	314	312	308	306	308
25 *	309	311	311	311	313	313	315	316	315	306	297	295	294	304	310	316	318	320	317	319	315	314	311	310
26 *	307	309	308	307	309	313	315	314	309	301	295	287	289	298	305	311	314	314	311	313	314	314	314	313
27	310	311	305	302	305	309	309	310	307	305	296	294	295	300	307	315	317	323	323	319	316	314	312	311
28 *	310	306	306	308	311	313	314	312	309	306	305	300	303	309	313	317	318	319	317	317	315	315	314	311
29	309	306	306	305	307	308	313	312	311	303	294	291	292	301	314	328	335	338	340	340	336	325	317	315
30 **	311	306	294	285	284	295	298	305	305	301	295	292	292	297	304	309	317	321	322	322	322	321	321	319
31	316	316	315	313	311	311	308	309	309	311	304	304	309	309	311	317	316	319	321	322	321	321	317	315
Mean	310	308	305	307	310	310	311	312	309	306	302	298	298	303	310	317	321	324	324	323	320	318	316	313
Mean *	310	309	309	310	312	313	314	313	311	306	302	298	298	304	311	316	318	319	317	318	316	315	314	312
Mean **	309	304	301	302	302	301	303	305	304	301	297	295	297	302	311	320	328	332	330	327	324	320	319	315

* International Quiet Day. ** International Disturbed Day.

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

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
September								43000 γ + Tabular Quantities (in γ)																	
1 **	309	305	291	279	278	285	295	300	303	306	309	306	321	329	340	355	359	344	331	328	330	328	321	291
2	295	305	308	307	308	309	316	316	316	318	321	317	316	324	340	346	333	329	327	328	326	322	311	305
3	306	306	305	308	309	304	311	312	313	311	307	305	314	321	325	330	334	331	330	324	322	320	307	308
4	308	310	310	311	315	316	315	316	316	310	302	305	306	314	327	331	333	327	323	323	318	315	315	316
5	314	312	313	315	318	319	317	315	313	309	305	303	307	315	320	335	354	367	362	352	338	330	315	315
6	306	311	316	318	314	312	315	311	310	309	305	305	310	317	324	330	331	334	331	330	327	321	317	317
7	316	317	318	318	315	300	304	308	308	304	301	301	301	305	310	316	321	327	337	334	324	299	295	277
8 **	300	301	283	293	302	291	295	302	304	306	310	305	311	318	323	341	356	356	346	339	316	310	311	303
9 **	276	291	283	281	287	295	301	305	314	315	307	317	319	321	327	336	351	338	335	334	324	318	303	294
10	287	291	300	298	306	309	310	313	314	314	314	315	316	316	321	325	326	327	326	327	324	323	319	316
11	309	311	315	317	317	315	314	315	311	307	306	305	309	311	320	333	333	334	331	328	325	325	315	314
12	308	308	298	296	301	304	311	315	315	307	301	299	293	293	298	309	318	319	327	334	334	328	324	321
13 *	318	317	316	317	318	318	320	317	317	316	316	313	314	317	317	317	318	319	320	321	320	317	317	317
14	315	316	315	312	298	295	300	305	304	307	304	305	304	310	323	335	343	335	327	326	322	315	316	309
15	309	310	312	313	315	314	316	315	315	308	307	300	302	304	310	316	317	317	317	319	321	320	318	315
16	308	311	312	309	310	311	311	312	311	306	303	302	303	307	311	318	321	320	320	319	317	317	315	313
17 *	315	315	315	312	313	314	315	312	307	302	301	303	304	307	311	316	318	319	317	315	314	315	315	315
18 *	315	314	315	314	315	315	315	313	306	297	295	291	294	301	305	309	311	313	315	317	317	315	315	314
19 *	314	313	313	313	313	311	314	316	311	304	298	295	298	303	307	311	311	311	311	314	312	313	315	316
20	315	314	315	315	315	312	317	315	311	310	300	296	296	301	308	313	315	315	315	314	312	313	301	297
21	286	270	276	295	305	309	314	316	311	308	301	302	303	305	311	315	315	316	315	315	314	314	315	312
22	311	315	314	314	310	310	314	316	312	308	304	298	298	303	307	316	321	322	321	322	320	318	315	313
23 *	313	311	313	315	315	315	316	315	312	309	305	299	301	304	310	316	317	317	317	316	314	314	312	311
24	311	313	311	311	312	311	311	311	309	305	295	287	290	295	301	315	322	323	324	324	325	323	320	306
25	300	305	309	311	311	312	315	316	311	305	299	296	296	299	303	313	313	317	316	320	321	317	315	311
26	288	275	275	286	289	286	295	306	311	308	306	305	304	307	312	319	318	319	319	319	320	319	318	317
27	315	315	314	315	313	297	295	297	300	304	302	305	306	315	322	335	340	330	325	327	325	322	322	318
28	316	315	313	308	305	302	308	311	311	308	309	308	307	311	311	316	319	325	342	352	355	331	327	312
29 **	296	291	291	301	308	307	300	301	310	308	312	319	328	339	341	331	331	328	326	327	322	296	287	267
30 **	231	255	271	281	297	306	314	314	311	305	310	314	316	325	325	331	341	335	333	329	317	319	321	321
Mean	304	305	305	306	308	307	310	311	311	308	305	304	306	311	317	324	328	327	326	326	323	318	314	309
Mean *	315	314	314	314	315	315	316	315	311	306	303	300	302	306	310	314	315	316	316	317	315	315	315	315
Mean **	282	289	284	287	294	297	301	304	308	308	310	312	319	326	331	339	348	340	334	331	322	314	309	295
October								43000 γ + Tabular Quantities (in γ)																	
1	315	309	311	314	315	313	317	316	316	311	306	307	309	311	315	318	321	320	321	323	323	322	321	311
2	315	317	315	314	315	315	314	315	314	307	303	303	305	311	316	320	321	321	322	327	324	323	322	320
3	319	312	308	306	310	309	307	313	317	313	309	308	307	307	318	326	340	354	348	351	337	308	299	304
4 **	272	287	298	311	315	304	292	294	304	308	311	305	311	318	328	349	348	344	345	331	315	313	307	274
5 **	290	302	311	316	311	300	289	305	307	323	327	337	344	343	341	347	365	357	351	326	321	324	321	319
6	311	312	307	308	315	311	311	314	314	315	317	312	309	316	325	338	348	338	333	328	325	323	321	321
7	321	322	321	323	325	321	321	321	319	314	307	308	310	316	323	331	331	333	331	331	328	325	321	321
8	318	316	306	307	314	316	317	319	321	321	318	311	309	312	323	326	327	326	330	331	333	327	326	321
9	316	308	305	311	317	318	321	321	319	311	305	304	305	307	313	321	325	325	325	324	324	327	325	317
10	311	315	315	317	319	317	316	317	315	312	307	306	307	311	313	320	322	322	323	324	327	328	326	324
11	321	317	311	311	317	315	317	319	317	314	313	310	310	313	315	321	325	326	338	332	327	326	325	319
12	295	301	305	301	295	295	305	312	315	315	311	306	305	311	317	323	323	324	324	325	322	321	320	320
13	316	315	318	318	320	316	318	317	316	313	311	306	305	307	311	317	321	319	323	322	321	319	320	317
14	315	315	315	315	316	315	312	314	311	310	308	308	313	311	312	321	322	322	322	324	323	321	321	321
15 *	320	317	315	315	318	317	320	320	315	310	303	301	306	311	314	317	316	319	321	320	320	320	319	317
16	316	315	314	313	315	312	313	316	311	307	301	297	300	302	310	317	319	318	319	318	318	318	319	323
17	321	319	309	301	305	305	311	315	315	314	312	312	313	317	319	323	325	333	340	335	332	330	328	324
18	321	321	319	315	310	312	316	316	317	316	312	311	311	316	321	327	333	336	335	330	330	326	321	321
19	315	319	318	318	317	318	318	319	315	311	306	303	305	310	316	324	323	323	321	321	319	318	320	321
20 *	319	319	316	316	317	315	316	316	311	305	303	304	309	314	317	326	328	328	326	324	321	321	321	319
21	317	317	317	318	319	317	316	317	316	308	297	295	299	308	317	335	337	336	346	355	354	339	331	326
22 *	323	322	321	320	322	320	319	317	315	314	308	308	310	314	315	319	318	320	320	320	318	319	318	317
23 *	316	317	317	317	319	317	319	319	317	313	309	306	308	311	315	321	318	321	322	321	319	319	319	317
24 *	316	315	315	316	318	317	317	319	318	313	306	304	307	310	315	318	319	318	317	317	317	317	316	315
25	314	313	313	313	314	313	313	312	308	303	302	304	308	313	316	317	321	325	335	331	325	323	307	301
26 **	301	289	262	275	295	299	307	311	314	309	308	305	313	321	343	365	366	362	350	340	338	331	325	311
27	306	307	311	312	315	321	320	323	323	319	315	314	316	318	321	323	324	325	324	326	326	324	322	319
28	316	315	309	308	315	318	316	317	317	316	314	314	314	316	320	321	325	325	321	322	321	321	321	319
29	317	314	314	315	316	317	318	321	319	318	317	317	317	318	323	330	332	335	341	345	338	332	328	320
30 **	311	295	300	295	280	296	310	315	315	316	317	317	319	323	327	341	357	365	358	347	343	333	306	299
31 **	301	306	295	285	302	309	311	317	320	319	314	314	324	335	358	356	367	348	341	338	334	328	321	319
Mean	312	312	310	310	313	313	313	316	315	313	310	308	311	315	321	328	331	331	331	329	327	323	320	316
Mean *	319	318	317	317	319	317	318	318	315	311	306	305	308	312	315	320	320	321	321	320	319	319	319	317
Mean **	295	296	293	296	301	302	302	308	312	315	315	316	322	328	339	352	361	355	349	336	330	326	316	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
November	43000 γ + Tabular Quantities (in γ)																								
1 **	307	301	307	312	315	317	315	320	323	319	315	313	315	321	331	341	337	336	335	336	331	323	321	309	
2	296	308	314	314	314	316	316	316	316	316	315	315	321	326	334	339	336	335	331	329	318	319	321	321	
3	324	321	318	316	319	319	315	321	323	319	315	316	319	323	328	334	333	330	328	326	326	325	325	323	
4 *	316	317	319	319	321	323	321	321	321	319	315	311	314	315	323	324	325	325	325	321	322	323	323	321	
5	320	319	318	318	321	321	319	322	321	318	316	314	316	318	322	326	328	326	326	325	326	323	321	318	
6	315	313	313	314	314	311	309	310	310	310	307	308	308	310	315	317	321	324	327	326	325	323	320	317	
7	314	307	310	314	314	314	314	314	314	310	306	306	307	311	318	322	325	323	323	330	332	329	318	310	
8	312	313	314	314	314	318	314	314	314	310	306	306	310	313	318	321	321	322	323	320	319	318	311	307	
9	312	317	313	311	314	315	315	316	316	314	314	310	312	314	316	318	321	322	321	319	320	320	320	316	
10 *	314	316	318	318	318	317	317	317	316	315	312	310	310	314	316	316	318	320	320	320	319	317	317	317	
11 *	316	314	314	314	314	317	317	318	317	316	314	313	314	317	317	318	322	320	322	324	324	322	323	320	
12 *	318	316	314	315	316	317	316	315	317	316	314	311	312	314	317	316	317	316	317	317	317	318	319	317	
13 *	314	313	312	312	312	315	313	315	315	315	313	313	313	314	315	313	315	314	314	314	316	314	314	313	
14	313	314	313	313	312	313	310	310	310	306	305	306	307	309	313	313	312	311	311	314	316	316	314	316	
15	316	312	311	311	310	311	311	312	310	309	310	314	314	315	316	319	320	320	318	320	321	317	316	317	
16	317	314	313	311	310	310	310	310	309	304	304	303	307	316	320	326	326	323	323	321	320	316	318	317	
17	320	320	320	320	320	318	316	314	316	315	316	316	316	319	319	318	317	315	317	324	337	334	338	330	
18	324	324	325	323	320	319	314	313	311	311	311	315	316	319	320	320	320	317	316	317	319	320	320	322	
19	320	321	320	320	320	319	316	315	315	315	316	315	316	318	320	319	322	322	320	320	321	319	317	318	
20	320	322	322	321	320	320	315	314	312	311	310	310	311	314	315	314	316	318	317	315	315	314	314	314	
21 **	312	304	308	308	307	310	308	307	308	310	306	311	317	320	322	323	325	330	327	326	324	320	318	319	
22	316	304	306	308	312	316	316	316	315	314	312	310	314	316	322	327	334	339	334	333	330	324	322	320	
23	319	318	316	314	314	314	314	313	310	309	309	306	308	312	315	316	318	317	320	319	320	318	317	318	
24	314	315	316	316	316	317	316	314	314	314	314	313	314	320	322	323	325	324	324	324	323	319	318	316	
25	317	311	313	311	313	317	315	315	315	315	314	311	309	313	319	321	324	323	322	324	324	321	319	317	
26 **	317	316	316	315	316	316	315	314	311	311	309	313	315	316	322	324	334	335	336	336	336	327	317	315	
27 **	321	324	325	322	321	322	316	315	320	322	324	327	344	351	345	340	347	347	344	341	334	323	321	310	
28 **	298	301	307	306	313	315	317	319	319	316	311	317	324	336	333	332	337	331	331	323	319	321	319	321	
29	318	319	318	319	319	319	320	321	320	318	317	318	319	324	334	331	331	328	327	325	324	321	321	319	
30	317	312	315	317	317	316	317	316	317	320	321	321	321	320	320	318	325	321	325	324	322	319	315	317	
Mean	315	314	315	315	316	316	315	315	315	314	312	312	315	318	322	323	325	324	324	324	323	321	319	317	
Mean *	316	315	315	316	316	318	317	317	317	316	314	312	313	315	318	317	319	319	320	319	320	319	319	318	
Mean **	311	309	313	313	314	316	314	315	316	316	313	316	323	329	331	332	336	336	335	332	329	323	319	315	
December	43000 γ + Tabular Quantities (in γ)																								
1	319	319	321	321	319	317	311	315	311	313	314	314	311	312	318	317	321	328	338	331	334	318	317	317	
2 **	315	307	316	314	317	319	318	316	312	313	311	315	319	323	341	349	350	339	337	333	327	321	325	305	
3	311	321	322	321	316	313	313	313	310	315	315	317	318	318	321	319	321	321	321	323	326	326	321	319	
4 **	317	304	294	307	312	315	318	318	321	319	317	318	325	328	335	335	331	331	338	341	339	334	318	308	
5	305	311	315	315	314	316	313	314	312	311	313	315	316	322	321	321	323	322	324	326	318	320	317	318	
6	321	322	322	322	322	325	325	324	322	320	318	318	321	322	322	322	326	326	326	326	322	323	322	322	
7	324	323	326	322	322	322	321	319	316	315	313	312	312	316	317	320	323	324	326	326	323	324	322	320	
8	319	318	318	318	317	318	318	319	321	318	317	315	314	316	317	322	324	323	323	322	322	322	321	318	
9 *	316	318	321	320	318	318	321	321	320	318	318	317	320	321	320	321	322	322	321	321	323	322	320	318	
10	316	316	316	316	316	316	316	317	317	316	318	317	316	316	321	322	327	329	332	337	339	333	329	325	
11	322	320	319	319	319	319	313	314	315	315	316	320	322	324	325	325	326	326	328	331	330	326	323	322	
12	322	316	316	316	316	318	319	320	317	317	316	316	316	320	326	327	330	329	328	328	326	324	322	320	
13 **	318	316	316	314	312	305	299	305	307	309	317	322	330	338	340	337	333	331	328	328	327	326	325	326	
14	326	325	323	322	322	322	322	323	323	321	319	322	322	324	325	326	327	324	324	323	322	323	322	322	
15	326	322	324	324	323	321	318	316	316	316	318	320	319	319	322	322	322	321	322	322	322	320	320	321	
16	320	322	322	320	320	322	318	316	314	316	318	322	322	322	327	327	331	328	330	328	329	329	328	326	
17	325	323	320	319	320	320	317	316	316	312	312	316	318	319	322	324	326	325	323	322	323	322	323	326	
18	328	328	328	324	328	317	316	314	312	310	308	310	313	318	320	321	324	322	324	331	324	322	319	320	
19 *	322	315	319	321	322	323	321	320	318	317	320	323	323	323	321	322	323	323	323	323	322	319	319	319	
20 *	319	319	318	317	317	317	317	317	317	317	320	319	319	319	320	322	323	323	323	321	319	318	319	319	
21 *	317	316	315	316	316	316	315	315	314	316	317	317	316	317	317	319	321	319	321	322	323	321	319	317	
22	317	317	317	317	317	319	318	317	315	313	315	317	317	317	319	327	333	333	335	334	333	330	329	325	
23 *	325	321	319	319	321	323	323	323	319	319	319	317	317	318	318	318	322	320	322	321	322	321	319	317	
24	315	313	315	314	313	317	314	315	314	313	317	317	320	321	335	352	345	341	337	335	344	335	327	316	
25	312	309	308	309	301	307	314	317	318	314	321	322	320	326	333	328	325	327	325	325	328	329	326	320	
26	316	308	311	312	313	314	316	315	314	315	316	313	317	322	323	321	324	322	321	322	323	321	321	318	
27	317	318	313	310	312	313	314	315	316	315	317	319	320	321	320	320	322	319	317	319	325	327	328	334	
28	329	332	330	327	323	320	317	317	315	313	317	318	320	318	322	327	327	325	334	333	334	332	328	323	
29 **	313	317	318	315	315	317	316	319	317	317	322	322	319	322	325	327	339	350	352	346	338	324	317	317	
30 **	327	318	320	319	318	317	312	317	317	319	320	323	327	334	336	337	343	342	334	333	329	324	317	319	
31	319	319	317	319	320	321	316	313	313	317	319	319	323	323	327	333	332	330	333	332	324	322	321	311	
Mean	319	318	318	318	317	318	316	317	316	315	317	318	319	321	324	326	328	327	328	328	327	324	322	320	
Mean *	320	318	318	319	319	319	319	319	318	317	319	319	319	320	319	320	322	321	322	322	322	320	319	318	
Mean **	318	312	313	314	315	315	313	315	315	315	317	320	324	329	335	337	339	339	338	336	332	326	320	315	

* International Quiet Day. ** International Disturbed Day.

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

Date	DECLINATION WEST						HORIZONTAL INTENSITY						VERTICAL INTENSITY					
	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
January	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1	68.3	0 39	74.1	62.1	19 4	12.0	651	0 11	698	617	11 45	81	319	16 19	334	297	1 2	37
2	68.7	13 4	72.7	64.8	18 49	7.9	659	15 34	675	643	0 12	32	315	19 15	326	307	1 11	19
3	68.9	13 7	73.2	62.2	23 0	11.0	665	19 2	690	643	21 1	47	313	21 30	327	301	13 2	26
4	68.1	17 8	74.2	53.1	21 47	21.1	657	21 40	696	626	14 25	70	314	19 40	330	298	1 58	32
5 **	69.4	6 56	77.9	53.7	22 12	24.2	640	22 28	713	570	13 7	143	317	13 45	344	283†	3 52	61
6	68.6	5 25	76.8	55.4	17 7	21.4	648	5 56	679	595	16 39	84	317	17 11	345	293	2 10	52
7	67.7	13 39	75.2	56.6	20 38	18.6	650	21 44	682	602	14 20	80	324	16 47	346	312	12 33	34
8	69.0	3 6	73.7	63.1	17 19	10.6	655	3 20	678	634	17 11	44	317	17 19	330	302	3 35	28
9	69.4	18 8	77.0	62.2	19 30	14.8	663	5 32	692	634	19 22	58	317	19 36	337	305	8 10	32
10	68.0	4 50	79.6	53.2	22 17	26.4	651	7 8	684	599	17 9	85	318	17 37	345	293	5 10	52
11	67.5	13 5	77.2	55.5	17 45	21.7	653	15 23	677	610	17 16	67	318	17 29	348	303	1 36	45
12	66.8	3 50	76.8	52.8	0 17	24.0	649	23 0	709	605	16 49	104	318	17 14	346	296	4 11	50
13 **	67.0	13 14	77.6	52.7	20 20	24.9	642	20 32	705	560	14 24	145	319	14 50	367	298	23 10	69
14 **	66.6	14 3	74.9	54.1	21 0	20.8	646	21 5	718†	599	16 42	119	319	18 1	354	298	4 15	56
15	68.1	13 55	76.9	60.4	17 20	16.5	638	13 13	672	560	14 17	112	327	15 11	376	309	4 45	67
16	67.9	14 53	73.9	60.7	20 24	13.2	650	1 32	674	625	11 25	49	323	16 28	334	315	8 18	19
17	67.8	13 29	71.8	63.9	10 37	7.9	654	19 31	672	637	12 18	35	320	14 45	333	311	8 2	22
18 *	68.4	13 31	72.1	65.7	1 44	6.4	661	18 51	674	647	1 20	27	317	16 20	327	309	23 51	18
19 *	68.6	13 28	73.5	64.5	21 54	9.0	662	19 52	678	647	22 32	31	316	19 36	324	310	0 50	14
20 *	68.1	13 35	72.4	63.3	22 10	9.1	659	19 5	677	644	11 21	33	314	19 42	327	305	12 59	22
21 *	68.7	14 2	74.0	64.7	2 32	9.3	663	17 5	677	651	0 19	26	315	16 28	324	309	7 47	15
22	68.5	14 24	74.1	63.0	22 53	11.1	662	16 21	679	628	21 27	51	314	22 5	336	301	9 4	35
23	68.7	14 44	77.1	57.6	20 29	19.5	653	8 0	685	599	17 21	86	319	20 36	349	298	10 20	51
24	67.8	12 54	72.8	61.1	23 4	11.7	656	22 19	683	611	16 19	72	315	16 44	339	300	0 50	39
25	68.4	14 0	76.3	61.1	20 42	15.2	658	20 53	678	628	14 19	50	315	14 45	334	302	7 20	32
26 *	68.9	13 55	72.8	66.3	8 48	6.5	675	15 5	691	657	12 11	34	309	14 46	316	300	10 10	16
27 **	69.0	15 22	82.5†	59.0	23 40	23.5	657	6 34	712	578	15 34	134	317	15 57	378	290	7 32	88
28	67.9	13 41	75.7	59.6	22 3	16.1	647	22 10	691	609	14 21	82	314	14 45	337	300	11 16	37
29 **	67.7	16 34	75.7	30.3†	20 45	45.4	637	21 0	697	541†	19 58	156	330	18 27	411†	303	7 47	108
30	67.4	13 43	72.0	61.8	21 49	10.2	647	22 23	678	625	2 36	53	319	16 28	333	305	6 21	28
31	68.9	14 28	75.6	62.1	24 0	13.5	661	7 59	682	629	17 20	53	318	16 30	331	306	9 50	25
Mean	68.2	-	75.2	58.9	-	16.2	654	-	687	615	-	72.4	318	-	342	302	-	39.6
Mean *	68.5	-	73.0	64.9	-	8.1	664	-	679	649	-	30.2	314	-	324	307	-	17.0
Mean **	67.9	-	77.7	50.0	-	27.8	644	-	709	570	-	139.4	320	-	371	294	-	76.4
February	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1	68.3	11 44	78.2	51.9	21 0	26.3	649	21 10	705	591	18 56	114	322	19 35	361	302	11 29	59
2	68.4	13 9	73.9	64.3	20 34	9.6	654	21 30	678	635	11 8	43	318	16 43	329	305	3 26	24
3 *	68.1	14 0	72.0	64.7	20 39	7.3	658	19 34	672	635	10 20	37	316	18 27	323	309	23 20	14
4 *	68.4	14 0	73.2	64.7	8 44	8.5	665	7 58	677	640	12 18	37	313	19 38	324	301	12 42	23
5 *	68.5	13 39	73.1	65.5	8 0	7.6	674	20 6	687	658	11 32	29	309	19 35	315	298	11 0	17
6 **	66.7	16 22	80.5†	38.0	22 20	42.5	659	19 54	731	575	22 10	156	319	17 36	384†	300	8 11	84
7	67.2	13 29	74.9	55.3	21 56	19.6	641	19 0	698	578	11 5	120	322	14 44	345	303	4 8	42
8 **	66.6	8 47	75.5	52.9	20 31	22.6	649	19 24	726	583	15 8	143	317	15 53	342	296	1 38	46
9	66.9	12 9	74.0	51.0	19 4	23.0	651	19 15	708	609	14 50	99	318	16 6	351	302	22 50	49
10	66.1	16 5	73.9	39.1	23 46	34.8	647	19 8	722	561†	23 39	161	317	17 37	341	265	23 39	76
11	64.9	13 8	73.3	42.8	0 0	30.5	648	23 44	733	586	11 18	147	316	18 58	340	278	1 50	62
12	66.7	13 30	77.0	53.0	19 36	24.0	652	21 40	721	601	12 18	120	316	16 27	349	290	0 20	59
13	67.1	14 40	76.1	51.4	21 48	24.7	653	21 54	752†	600	15 1	152	315	15 41	348	298	23 20	50
14	67.5	13 20	73.9	60.5	19 4	13.4	657	18 14	689	635	0 4	54	317	18 13	342	304	11 41	38
15	67.3	14 0	72.6	62.7	23 10	9.9	662	23 58	695	647	9 54	48	315	18 37	325	305	11 54	20
16 **	67.6	13 48	79.7	45.4	21 0	34.3	638	6 21	709	570	13 50	139	318	16 24	350	285	7 26	65
17	67.3	1 19	75.5	62.9	8 36	12.6	650	16 52	674	621	0 3	53	319	8 30	334	298	2 14	36
18	67.5	14 1	73.8	56.5	21 12	17.3	659	18 36	680	624	21 4	56	316	21 37	335	305	2 10	30
19	66.8	12 27	74.6	51.8	20 41	22.8	656	20 50	746	616	21 31	130	314	19 49	350	288	2 56	62
20	67.6	13 18	71.0	62.4	16 7	8.6	659	6 17	688	643	10 42	45	320	17 20	337	299	0 30	38
21 *	68.0	13 7	71.5	64.6	21 9	6.9	671	8 1	683	660	17 27	23	314	20 14	324	307	13 40	17
22 *	67.6	12 11	70.2	60.8	20 16	9.4	670	9 11	688	648	20 1	40	314	20 34	328	308	6 56	20
23	68.0	12 42	71.1	61.9	23 55	9.2	678	21 30	712	648	23 53	64	309	21 29	320	303	23 46	17
24 **	62.0	12 32	78.1	27.1†	3 13	51.0	627	0 19	729	565	18 50	164	316	19 0	376	227†	3 13	149
25	67.5	11 55	74.0	61.7	1 52	12.3	652	11 55	678	601	13 18	77	319	13 50	331	303	0 28	28
26	66.6	13 34	73.8	48.4	23 11	25.4	661	21 6	705	607	17 21	98	318	17 45	351	298	9 11	53
27 **	67.0	7 8	76.1	48.2	20 52	27.9	653	21 28	718	614	7 43	104	319	16 47	347	292	22 26	55
28	67.5	2 6	74.0	51.2	18 50	22.8	649	18 59	720	591	9 8	129	322	16 27	366	291	4 24	75
29	67.1	13 7	74.8	56.5	23 9	18.3	658	22 50	683	607	12 11	76	320	16 35	346	302	11 40	44
Mean	67.1	-	74.5	54.4	-	20.1	655	-	704	612	-	91.7	317	-	342	295	-	46.6
Mean *	68.1	-	72.0	64.1	-	7.9	668	-	681	648	-	33.2	313	-	323	305	-	18.2
Mean **	66.0	-	78.0	42.3	-	35.7	645	-	723	581	-	141.2	318	-	360	280	-	79.8

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

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

Date	DECLINATION WEST						HORIZONTAL INTENSITY						VERTICAL INTENSITY					
	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
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	67.8	14 10	74.3	62.0	1 8	12.3	660	0 10	692	631	14 57	61	313	15 37	334	292	0 50	42
2 *	68.1	12 2	72.0	65.5	0 15	6.5	669	19 57	682	658	12 26	24	313	7 45	320	302	11 45	18
3	67.3	13 44	81.0	38.3	23 23	42.7	664	8 48	698	573	20 43	125	317	20 22	372	291	23 57	81
4 **	66.8	15 33	78.5	47.8	19 42	30.7	635	23 50	707	574	11 42	133	312	16 52	377	262	5 24	115
5 **	65.0	21 49	77.7	41.4	23 38	36.3	631	20 10	717	538	22 58	179	318	17 12	429†	225	23 41	204
6 **	65.2	5 41	78.5	45.3	3 17	33.2	641	2 24	730	515†	1 45	215	294	18 44	356	179†	1 46	177
7 **	66.4	14 0	78.8	45.7	17 31	33.1	648	23 2	774†	569	10 20	205	324	17 45	372	278	23 29	94
8	66.1	12 25	78.3	48.5	18 41	29.8	634	18 51	743	586	16 19	157	320	16 43	371	288	0 28	90
9	64.9	14 39	74.5	49.9	19 12	24.6	644	17 51	709	598	10 50	111	317	15 54	364	284	2 19	80
10	66.4	13 23	76.6	54.4	19 40	22.2	650	17 6	726	607	16 51	119	320	17 6	381	287	22 55	94
11	66.7	14 59	76.7	50.1	18 37	26.6	654	19 0	726	600	18 0	126	317	18 25	356	276	0 47	80
12	67.0	14 25	77.6	54.9	18 56	22.7	655	21 48	687	627	19 30	60	319	18 50	344	300	1 34	44
13	67.3	13 25	73.8	62.8	22 4	11.0	659	22 10	708	635	14 15	73	318	16 14	336	302	11 41	34
14 *	66.9	13 25	73.7	62.0	24 0	11.7	661	23 40	687	635	11 21	52	318	16 18	331	303	10 33	28
15	66.7	13 0	74.7	56.5	21 24	18.2	663	21 29	691	639	22 45	52	320	20 52	351	299	12 4	52
16	67.4	11 42	75.7	58.3	20 50	17.4	659	23 29	705	628	20 44	77	320	20 15	342	304	11 1	38
17	68.3	13 38	75.9	60.3	17 34	15.6	661	4 23	707	605	13 40	102	319	16 45	347	295	4 45	52
18	67.9	13 43	72.9	64.9	0 17	8.0	661	23 5	693	624	16 0	69	318	16 49	338	302	11 21	36
19 *	66.7	14 36	72.1	62.0	20 28	10.1	668	20 10	690	645	16 0	45	315	17 10	333	298	11 59	35
20 *	67.7	13 45	72.1	63.0	9 45	9.1	672	18 12	689	644	11 3	45	314	19 36	321	304	11 14	17
21	67.1	15 28	79.4	57.6	21 8	21.8	667	23 25	737	596	13 21	141	316	15 24	343	283	23 57	60
22	65.7	12 0	73.7	52.8	23 50	20.9	659	20 0	737	625	19 12	112	308	19 57	336	281	2 50	55
23	65.5	0 24	84.8†	44.9	18 26	39.9	654	23 34	717	578	0 39	139	304	18 31	363	238	0 39	125
24	66.5	14 11	75.6	57.5	20 51	18.1	658	21 34	725	590	10 51	135	318	18 25	356	280	4 40	76
25	66.6	13 40	73.9	57.3	19 36	16.6	657	21 15	705	596	12 21	109	319	17 24	339	303	11 5	36
26	67.0	13 23	77.0	54.7	20 12	22.3	666	2 34	692	644	10 40	48	313	16 8	334	291	2 22	43
27	67.9	13 40	75.6	61.3	17 3	14.3	664	21 59	687	617	16 41	70	314	17 10	342	286	11 27	56
28 *	67.5	13 40	73.7	62.8	8 15	10.9	675	20 27	692	652	10 30	40	312	16 44	321	295	10 59	26
29	66.7	14 11	75.7	57.4	23 12	18.3	673	23 30	703	628	11 55	75	311	17 30	325	287	12 55	38
30	66.2	16 18	82.1	44.4	21 0	37.7	666	21 43	769	599	16 30	170	313	20 29	359	269	22 43	90
31 **	64.4	15 25	79.4	32.9†	1 31	46.5	639	1 41	748	562	0 51	186	311	16 19	386	224	2 9	162
Mean	66.7	-	76.3	54.1	-	22.2	657	-	712	607	-	105.0	315	-	351	281	-	70.3
Mean *	67.4	-	72.7	63.1	-	9.7	669	-	688	647	-	41.2	314	-	325	300	-	24.8
Mean **	65.6	-	78.6	42.6	-	36.0	639	-	735	552	-	183.6	312	-	384	234	-	150.4
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	67.1	13 59	76.6	55.6	1 10	21.0	646	17 46	685	583	14 3	102	319	16 3	361	281	2 55	80
2 **	65.7	14 3	77.8	50.7	2 16	27.1	649	1 48	735	536	10 5	199	316	17 58	376	269	4 35	107
3 **	64.4	15 10	76.7	48.9	23 18	27.8	642	20 52	747	544	15 29	203	312	16 20	382	272	0 3	110
4	66.2	16 0	74.8	47.3	20 8	27.5	642	20 35	752	578	8 16	174	313	18 35	368	279	2 8	89
5	65.9	13 21	75.7	51.0	17 35	24.7	651	17 43	727	591	13 51	136	313	17 43	365	279	3 7	86
6	65.7	23 34	75.8	50.8	19 50	25.0	653	23 20	748	582	9 46	166	305	16 44	339	254	1 25	85
7	66.3	14 4	74.9	55.7	18 22	19.2	654	21 0	722	600	11 19	122	312	18 26	354	265	0 4	89
8	64.8	13 6	77.8	50.7	20 34	27.1	656	0 44	728	596	10 21	132	313	18 55	351	286	1 10	65
9	65.0	13 0	75.5	54.5	21 40	21.0	660	22 54	717	618	8 35	99	313	17 55	356	284	0 58	72
10	65.2	13 30	74.8	54.7	0 18	20.1	656	0 15	701	609	11 26	92	304	16 15	331	257	2 12	74
11	66.2	12 50	73.2	62.6	19 26	10.6	660	17 11	678	630	12 31	48	316	19 38	332	298	11 20	34
12 *	65.9	13 53	73.2	60.1	8 24	13.1	667	19 54	691	637	9 55	54	311	21 26	327	281	12 12	46
13	65.9	13 50	73.2	60.4	8 8	12.8	670	4 41	700	626	11 20	74	311	18 9	334	280	4 28	54
14	66.4	16 4	73.9	60.2	21 41	13.7	672	15 40	698	635	10 32	63	316	17 31	336	294	12 33	42
15	67.5	13 4	75.7	61.4	19 23	14.3	670	5 9	693	602	13 15	91	316	18 14	338	288	12 4	50
16	67.3	12 56	75.0	61.9	20 55	13.1	674	20 59	701	632	14 36	69	315	16 48	338	299	12 15	39
17	66.1	13 41	71.9	60.8	8 19	11.1	667	20 46	684	634	11 38	50	313	17 39	331	294	4 18	37
18	65.8	13 12	74.9	53.8	22 50	21.1	677	21 14	728	640	18 43	88	312	19 8	340	285	13 0	55
19	65.3	14 5	77.7	53.2	19 20	24.5	665	23 3	732	627	14 10	105	312	19 26	344	278	0 56	66
20 *	66.0	12 48	74.0	58.5	23 38	15.5	670	22 41	700	646	4 52	54	310	22 10	328	288	12 49	40
21 **	67.6	15 25	105.9†	45.4	20 53	60.5	665	15 25	836†	484†	15 0	352	327	18 10	471†	274	12 33	197
22	67.4	0 58	72.7	59.5	5 37	13.2	651	3 45	693	598	6 23	95	318	16 24	338	302	9 9	36
23	66.0	13 36	73.0	59.3	18 45	13.7	663	19 0	693	619	10 23	74	320	19 8	338	301	12 25	37
24	65.7	12 56	72.8	54.1	21 41	18.7	670	21 38	710	644	9 20	66	321	16 56	348	299	11 3	49
25 *	66.5	13 4	73.6	62.1	8 46	11.5	669	21 13	693	627	12 0	66	314	17 26	327	287	12 4	40
26 *	66.6	13 57	74.0	60.7	8 46	13.3	676	17 20	708	644	10 21	64	315	19 34	337	292	11 13	45
27 *	66.6	14 2	73.1	61.1	8 35	12.0	682	22 18	716	661	10 37	55	310	6 51	321	289	12 4	32
28	66.7	14 50	78.4	58.6	7 48	19.8	670	0 43	714	625	11 9	89	315	18 12	364	277	5 24	87
29 **	65.7	16 14	80.7	44.8†	20 26	35.9	665	17 39	774	600	20 20	174	308	17 1	394	271	23 39	123
30 **	64.4	12 28	75.2	50.6	1 53	24.6	648	19 5	774	583	10 49	191	306	18 53	358	246†	2 8	112
Mean	66.1	-	76.1	55.6	-	20.5	662	-	719	608	-	111.6	314	-	351	282	-	69.3
Mean *	66.3	-	73.6	60.5	-	13.1	673	-	702	643	-	58.6	312	-	328	287	-	40.6
Mean **	65.6	-	83.3	48.1	-	35.2	654	-	773	549	-	223.8	314	-	396	266	-	129.8

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

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

Date	DECLINATION WEST						HORIZONTAL INTENSITY						VERTICAL INTENSITY					
	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
May	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1 **	65.1	23 32	76.0	52.6	1 41	23.4	655	20 35	725	581	11 48	144	309	17 44	355	244	2 20	111
2 **	65.7	12 32	76.2	54.5	1 26	21.7	654	18 31	742	601	9 30	141	309	15 54	358	255	2 58	103
3 **	64.1	13 59	72.2	40.3	22 34	31.9	658	18 47	808†	594	23 55	214	307	18 48	378†	242	23 52	136
4	63.0	13 20	71.7	40.4	0 49	31.3	657	0 20	733	614	4 28	119	307	18 50	346	237	0 40	109
5	64.9	12 33	75.3	55.6	24 0	19.7	658	22 40	715	611	9 46	104	310	18 40	341	264	1 30	77
6	65.3	7 45	74.9	54.5	0 6	20.4	655	18 51	694	603	7 0	91	310	16 36	337	278	8 36	59
7 **	66.9	12 48	79.5†	42.5	22 15	37.0	643	22 20	723	577	9 34	146	334	16 36	333	282	7 59	51
8	65.4	12 59	76.0	55.8	6 1	20.2	652	20 30	713	608	7 26	105	317	18 39	342	291	3 9	51
9 *	65.6	12 26	72.6	60.3	7 14	12.3	667	16 55	686	651	9 26	35	316	23 30	328	294	12 4	34
10 *	65.6	12 29	75.1	59.4	7 21	15.7	675	0 44	713	644	9 40	69	312	18 36	325	289	11 34	36
11	67.1	16 25	77.2	59.3	7 14	17.9	680	17 11	726	643	17 50	83	314	18 29	342	289	12 21	53
12	65.6	1 10	74.8	58.8	8 41	16.0	678	1 18	714	648	10 27	66	314	18 26	332	298	11 45	34
13	66.0	12 52	74.7	58.5	21 10	16.2	683	17 10	706	645	13 42	61	313	17 21	328	290	11 57	38
14	65.8	13 30	73.8	59.3	1 48	14.5	682	0 24	722	652	10 56	70	310	16 20	329	289	1 34	40
15 *	65.5	14 5	72.1	59.3	8 47	12.8	674	16 45	701	648	14 20	53	315	17 27	332	297	12 35	35
16 *	66.2	12 32	72.5	61.1	7 48	11.4	679	18 51	698	662	10 20	36	312	17 45	326	288	11 47	38
17	66.7	12 11	71.5	61.7	5 46	9.8	691	22 24	747	669	8 34	78	309	5 29	324	288	11 4	36
18	65.3	16 6	73.8	57.7	2 35	16.1	681	15 45	739	604	16 25	135	314	17 18	359	281	2 16	78
19	66.6	4 35	77.8	58.5	6 33	19.3	673	0 25	730	600	9 21	130	311	17 37	350	283	4 56	67
20	65.6	12 25	73.3	57.7	7 0	15.6	677	21 51	727	637	12 40	90	311	16 20	332	289	12 40	43
21	65.9	14 14	74.4	58.6	7 7	15.8	676	5 4	696	639	13 34	57	311	17 17	331	289	11 31	42
22 *	66.0	12 57	72.6	60.2	7 4	12.4	676	18 59	691	651	10 36	40	315	17 5	328	301	12 0	27
23	66.1	14 54	73.3	60.5	7 19	12.8	685	19 13	705	669	9 32	36	308	19 19	323	279	11 40	44
24	66.4	13 5	73.5	60.1	7 39	13.4	687	16 34	724	660	13 18	64	307	16 34	332	276	11 12	56
25	64.9	13 20	73.2	54.1	0 50	19.1	674	0 13	707	632	9 17	75	304	17 55	327	284	1 45	43
26	65.9	13 56	78.7	36.0†	21 38	42.7	682	18 17	754	599	23 53	155	309	18 15	349	259	24 0	90
27 **	63.8	14 3	77.4	36.2	0 23	41.2	645	16 37	745	568†	8 30	177	308	16 34	376	189†	1 21	187
28	65.1	14 31	75.1	58.4	8 11	16.7	669	19 37	755	608	10 25	147	318	15 57	359	281	24 0	78
29	64.3	14 54	73.4	54.8	0 49	18.6	664	17 28	746	599	9 18	147	309	17 29	354	277	0 34	77
30	65.8	13 30	72.1	58.5	19 33	13.6	667	19 45	721	623	11 22	98	306	16 36	334	281	10 15	53
31	65.1	13 8	72.0	57.3	2 6	14.7	668	20 56	719	637	8 38	82	308	18 35	341	273	2 12	68
Mean	65.5	-	74.4	54.9	-	19.5	670	-	723	625	-	98.3	312	-	340	276	-	64.3
Mean *	65.8	-	73.0	60.1	-	12.9	674	-	698	651	-	46.6	314	-	328	294	-	34.0
Mean **	65.1	-	76.3	45.2	-	31.0	651	-	749	584	-	164.4	313	-	360	242	-	117.6
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	64.8	13 40	69.6	59.9	8 20	9.7	668	18 23	702	641	9 31	61	314	20 10	328	302	10 27	26
2	65.2	14 3	72.3	58.5	7 14	13.8	675	19 40	706	655	14 59	51	316	19 38	341	302	11 47	39
3	64.7	14 54	70.5	58.4	6 57	12.1	676	18 59	721	642	12 21	79	316	18 49	336	298	12 4	38
4	63.9	13 30	69.6	57.7	6 58	11.9	677	0 31	713	655	9 18	58	313	18 35	330	297	12 15	33
5	65.7	14 4	73.4	57.7	6 13	15.7	680	18 25	704	647	15 20	57	314	16 26	332	292	10 25	40
6 *	65.5	13 21	72.0	59.6	6 6	12.4	683	18 51	703	660	7 19	43	314	17 44	327	302	9 23	25
7 *	65.5	13 14	72.1	59.4	6 30	12.7	685	18 35	716	654	8 50	62	313	18 35	328	294	10 58	34
8	66.1	14 24	75.9	58.4	3 50	17.5	693	16 24	741	655	12 59	86	312	19 36	339	290	10 58	49
9 **	65.4	14 5	78.0	55.4	8 20	22.6	684	20 52	717	632	15 6	85	315	14 46	350	288	11 11	62
10	65.2	14 4	74.0	56.8	22 8	17.2	681	20 36	724	639	14 37	85	314	15 27	338	294	23 44	44
11	65.3	14 21	72.3	58.4	21 49	13.9	677	17 14	717	641	11 36	76	316	17 40	333	297	11 32	36
12	65.5	14 30	71.9	59.8	8 44	12.1	682	18 31	710	656	10 8	54	317	18 43	329	300	13 25	29
13 *	65.1	16 0	70.4	58.6	8 5	11.8	681	21 0	715	655	9 36	60	310	6 10	324	287	11 22	37
14 **	65.7	13 28	76.0	54.7	22 50	21.3	683	18 48	753	623	8 45	130	317	18 36	362	294	11 1	68
15	65.2	4 1	71.0	57.7	6 50	13.3	674	20 18	712	621	12 47	91	309	19 54	331	287	12 40	44
16	65.9	14 54	70.5	61.5	8 53	9.0	671	16 16	708	633	11 1	75	317	16 19	345	305	11 5	40
17	65.8	16 14	71.6	60.3	7 24	11.3	679	16 13	716	643	10 15	73	315	16 12	342	295	11 55	47
18	63.9	15 32	68.7	57.0	1 48	11.7	679	22 25	722	642	11 51	80	310	18 11	329	293	11 3	36
19	64.7	15 5	70.4	59.5	6 26	10.9	683	16 30	705	643	14 3	62	312	18 30	329	287	11 20	42
20 *	64.5	14 53	69.8	57.8	8 45	12.0	682	18 53	703	659	12 55	44	313	16 26	330	295	12 0	35
21 *	65.5	13 9	72.2	59.8	5 29	12.4	686	22 18	713	654	12 40	59	311	16 38	325	292	11 56	33
22	65.0	13 44	78.3†	55.8	7 21	22.5	694	13 44	753	656	21 20	97	316	18 11	359	291	11 22	68
23 **	64.5	13 21	77.3	54.3	22 12	23.0	669	21 45	712	607	13 36	105	312	16 8	349	291	11 41	58
24 **	65.2	12 52	77.3	54.8	3 2	22.5	666	3 22	713	617	9 19	96	313	15 55	369†	265	3 1	104
25	65.9	14 12	74.9	59.1	8 47	15.8	672	23 43	727	629	12 51	98	321	18 9	352	299	10 31	53
26	64.9	14 28	76.8	55.1	7 21	21.7	678	0 23	718	631	14 42	87	315	15 6	341	300	3 17	41
27	65.3	14 22	73.1	59.5	9 0	13.6	676	18 0	722	636	11 15	86	316	18 33	342	299	12 22	43
28	65.0	13 34	71.5	59.0	7 4	12.5	673	16 10	700	627	11 15	73	315	17 19	333	293	11 25	40
29	64.3	14 19	71.3	54.5	24 0	16.8	683	20 26	740	648	10 19	92	315	19 35	337	298	10 31	39
30 **	64.5	13 46	74.9	44.1†	3 57	30.8	634	0 13	767†	443†	8 12	324	296	16 45	358	144†	5 45	214
Mean	65.1	-	72.9	57.4	-	15.5	677	-	719	635	-	84.3	314	-	339	289	-	49.9
Mean *	65.2	-	71.3	59.0	-	12.3	683	-	710	656	-	53.6	312	-	327	294	-	32.8
Mean **	65.1	-	76.7	52.7	-	24.0	667	-	732	584	-	148.0	311	-	358	256	-	101.2

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

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

Date	DECLINATION WEST						HORIZONTAL INTENSITY						VERTICAL INTENSITY					
	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
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	64.0	20 52	69.6	57.6	23 11	12.0	669	21 58	772†	632	12 14	140	324	20 37	342	314	10 56	28
2 *	65.2	14 12	71.5	59.5	0 9	12.0	675	19 8	702	642	9 34	60	319	19 33	329	303	10 15	26
3	65.1	17 17	71.5	61.2	5 12	10.3	676	17 18	714	645	9 19	69	325	18 36	355	307	11 21	48
4	65.3	14 56	73.4	58.4	7 11	15.0	676	17 8	709	645	9 45	64	320	17 11	333	300	10 55	33
5 **	65.0	16 36	75.2	50.7†	20 17	24.5	676	17 8	763	618	13 37	145	334	17 9	398†	301	7 57	97
6 **	64.3	15 5	70.4	58.4	3 45	12.0	661	19 26	690	578†	7 41	112	320	19 26	336	296	11 25	40
7	65.2	14 31	71.5	59.6	8 43	11.9	672	17 5	698	646	8 31	52	321	18 10	342	303	11 54	39
8	65.2	14 20	74.8	58.7	8 48	16.1	674	23 38	706	639	10 36	67	322	17 36	340	299	11 15	41
9 **	65.7	14 9	73.3	58.4	5 16	14.9	675	19 10	711	618	9 48	93	322	16 46	351	302	12 41	49
10	64.8	14 27	71.3	57.4	8 47	13.9	673	16 58	735	620	10 58	115	326	18 15	367	303	10 33	64
11	64.2	16 0	69.3	57.3	7 48	12.0	672	18 11	710	634	11 20	76	319	18 10	339	301	11 22	38
12	63.8	18 3	68.5	58.4	5 9	10.1	681	18 10	710	640	10 40	70	318	17 1	331	308	2 52	23
13	65.3	14 1	74.0	58.7	6 54	15.3	686	19 3	721	650	10 57	71	316	17 45	337	296	11 20	41
14	64.3	16 0	70.2	58.1	9 4	12.1	679	23 46	721	633	12 25	88	317	17 39	345	295	12 9	50
15	64.3	13 56	70.2	58.6	7 20	11.6	681	18 5	721	648	14 54	73	316	18 11	335	303	13 21	32
16	64.0	14 14	70.2	58.3	8 44	11.9	676	19 22	704	652	10 57	52	319	19 13	336	306	12 42	30
17	65.3	16 40	71.1	60.2	8 18	10.9	682	18 8	714	657	11 16	57	316	17 28	336	297	10 59	39
18	64.8	15 9	72.3	57.9	7 36	14.4	683	19 4	708	646	12 16	62	313	18 5	325	295	10 30	30
19 *	64.7	12 50	70.4	59.4	6 2	11.0	686	22 32	708	660	13 53	48	313	18 37	325	295	12 34	30
20 **	65.4	14 50	81.4†	56.1	23 42	25.3	694	16 7	755	617	11 29	138	314	16 6	347	281	11 1	66
21 **	64.5	14 51	74.1	56.5	1 8	17.6	674	23 56	727	597	13 16	130	317	15 39	374	278†	4 54	96
22	63.8	13 5	71.5	56.7	6 36	14.8	674	0 0	723	629	9 50	94	312	20 0	331	295	0 57	36
23	64.1	14 20	72.4	56.3	7 41	16.1	677	21 33	725	646	8 20	79	314	18 10	332	291	12 52	41
24	64.7	15 7	71.8	59.3	8 47	12.5	685	20 24	711	668	9 30	43	313	18 9	334	290	11 31	44
25	63.7	13 56	71.4	58.4	6 50	13.0	681	17 50	728	653	10 27	75	316	17 49	344	290	12 59	54
26	64.3	13 31	70.4	56.7	6 22	13.7	679	17 58	703	651	7 0	52	311	17 21	330	288	3 44	42
27	64.7	12 40	72.1	56.3	22 26	15.8	685	22 30	729	663	11 2	66	313	19 37	332	289	12 49	43
28 *	63.8	13 59	70.5	57.8	7 0	12.7	686	19 59	706	667	11 4	39	311	19 10	322	295	12 41	27
29 *	64.5	13 30	70.3	60.1	6 47	10.2	677	19 6	706	651	9 45	55	313	19 20	323	298	11 55	25
30 *	64.0	14 9	69.7	58.8	7 53	10.9	682	19 1	703	656	9 48	47	314	19 36	329	289	12 25	40
31	65.1	12 36	73.0	56.7	20 31	16.3	683	6 8	715	632	11 59	83	318	17 21	347	294	12 25	53
Mean	64.6	-	71.8	58.0	-	13.9	678	-	718	640	-	77.9	318	-	340	297	-	43.4
Mean *	64.4	-	70.5	59.1	-	11.4	681	-	705	655	-	49.8	314	-	326	296	-	29.6
Mean **	65.0	-	74.9	56.0	-	18.9	676	-	729	606	-	123.6	321	-	361	292	-	69.6
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	64.9	15 35	69.3	60.3	6 3	9.0	682	17 46	708	659	9 29	49	315	20 10	329	300	13 23	29
2	64.5	13 43	71.8	57.8	6 34	14.0	686	22 52	740	655	18 30	85	316	19 2	337	295	13 4	42
3 **	65.8	14 43	78.1†	60.2	22 12	17.9	680	4 30	710	607†	15 14	103	315	15 50	354†	286	10 28	68
4	64.1	15 4	70.4	57.5	19 27	12.9	683	19 38	735	652	7 13	83	315	19 34	338	291	11 3	47
5	64.4	13 59	72.5	57.4	0 35	15.1	687	0 9	724	663	9 4	61	314	17 35	339	291	0 30	48
6	64.5	13 11	72.2	57.6	2 26	14.6	676	1 0	730	637	11 28	93	310	17 49	335	277	2 14	58
7	64.4	14 11	73.9	55.9	1 18	18.0	677	23 43	715	632	8 24	83	314	18 36	339	293	1 10	46
8	63.7	15 12	69.7	57.4	7 46	12.3	676	19 9	709	630	12 31	79	315	7 44	329	299	12 0	30
9	63.6	13 12	71.3	57.6	8 46	13.7	679	18 40	719	640	10 56	79	316	18 40	333	295	12 35	38
10	64.3	15 20	76.0	54.7	2 21	21.3	677	15 3	712	641	12 20	71	313	18 45	352	289	2 12	63
11	63.7	13 59	71.4	56.0	22 24	15.4	684	22 11	727	642	11 56	85	314	17 24	329	300	2 43	29
12 **	64.0	12 49	73.1	54.9	0 31	18.2	676	20 19	720	628	11 0	92	315	16 27	342	280	1 34	62
13	64.7	13 19	72.6	59.3	7 56	13.3	676	19 5	699	652	10 34	47	315	19 16	332	296	12 39	36
14 *	63.9	12 32	69.3	57.6	8 45	11.7	677	18 38	697	655	9 35	42	314	18 38	328	294	12 5	34
15	64.5	12 26	72.2	59.1	7 24	13.1	687	20 29	736	663	9 40	73	311	20 9	323	298	12 32	25
16 *	62.9	13 8	69.9	56.5	5 18	13.4	683	4 26	702	663	11 54	39	312	16 41	325	298	12 56	27
17 **	63.0	14 26	74.1	47.5†	20 12	26.6	689	23 58	732	636	14 38	96	308	19 41	341	281	11 39	60
18 **	63.6	12 33	73.3	49.0	22 11	24.3	683	22 26	750†	634	12 54	116	308	17 55	351	283	12 54	68
19	63.9	12 40	72.3	57.6	7 50	14.7	677	19 27	704	644	9 20	60	307	17 20	336	285	12 16	51
20	64.6	13 5	71.7	55.0	22 20	16.7	677	22 30	718	633	9 40	85	309	18 49	329	286	9 56	43
21	64.2	12 58	73.7	57.6	7 23	16.1	689	11 42	709	662	8 31	47	306	17 29	320	281	12 0	39
22	64.0	12 17	72.2	57.5	7 47	14.7	687	21 7	709	650	9 56	59	309	15 35	324	281	12 4	43
23	63.6	13 10	74.8	55.4	0 58	19.4	683	1 54	726	653	9 48	73	307	16 45	324	281	11 46	43
24	64.7	13 21	74.1	57.8	7 32	16.3	689	15 51	718	656	10 55	62	305	20 8	320	274†	11 48	46
25 *	64.0	13 30	73.4	57.5	8 6	15.9	681	20 8	701	636	11 14	65	311	17 20	326	289	11 14	37
26 *	64.3	13 30	73.0	56.7	8 13	16.3	685	18 33	714	651	11 11	63	308	6 58	319	282	11 23	37
27	64.5	12 52	72.2	58.7	7 14	13.5	681	2 8	710	647	7 59	63	309	18 32	329	289	11 31	40
28 *	63.4	12 55	68.6	57.7	8 11	10.9	682	19 46	699	661	10 20	38	311	17 27	324	294	11 32	30
29	63.2	14 53	71.3	53.0	21 19	18.3	682	15 32	709	646	23 12	63	314	19 20	343	286	11 14	57
30 **	61.9	15 9	70.5	50.1	3 56	20.4	673	19 12	698	632	4 14	66	306	18 19	329	274†	4 7	55
31	63.6	13 59	70.2	56.5	24 0	13.7	673	18 36	692	646	11 16	46	314	18 36	326	298	11 21	28
Mean	64.0	-	72.2	56.4	-	15.9	681	-	715	645	-	69.9	312	-	332	289	-	43.8
Mean *	63.7	-	70.8	57.2	-	13.6	682	-	703	653	-	49.4	311	-	324	291	-	33.0
Mean **	63.7	-	73.8	52.3	-	21.5	680	-	722	627	-	94.6	310	-	343	281	-	62.6

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

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

Date	DECLINATION WEST						HORIZONTAL INTENSITY						VERTICAL INTENSITY					
	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
September	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ+	U.T. h m	18000 γ+	18000 γ+	U.T. h m	γ	43000 γ+	U.T. h m	43000 γ+	43000 γ+	U.T. h m	γ
1 **	63.2	15 26	72.1	53.9	0 20	18.2	668	2 44	739	604	11 45	135	314	15 49	372	272	3 58	100
2	63.1	13 18	72.6	53.8	0 24	18.8	662	22 9	730	586	8 30	144	318	15 5	355	287	0 10	68
3	63.4	13 8	71.6	58.3	8 35	13.3	663	22 9	713	609	9 20	104	315	16 29	341	296	5 17	45
4	64.1	12 40	73.1	58.5	19 1	14.6	671	19 9	692	634	10 37	58	316	16 8	339	299	10 51	40
5	64.5	13 56	75.4	55.7	17 4	19.7	671	15 44	709	620	18 24	89	324	17 14	377†	300	11 23	77
6	64.2	13 5	72.3	58.5	20 43	13.8	672	20 50	705	646	16 14	59	318	17 20	339	302	11 31	37
7	62.8	12 53	72.2	47.3	23 32	24.9	673	21 1	734	601	23 20	133	311	18 56	345	264	23 20	81
8 **	63.4	13 4	73.7	52.1	0 0	21.6	660	20 17	752†	598	9 13	154	313	16 19	369	278	24 0	91
9 **	64.2	0 0	71.4	53.8	16 1	17.6	659	19 58	727	561†	10 35	166	311	16 15	360	269	0 20	91
10	63.8	12 57	70.2	56.5	1 15	13.7	663	0 43	712	617	10 21	95	314	17 36	333	285	1 2	48
11	62.8	12 51	70.3	54.6	21 30	15.7	672	21 41	730	634	11 29	96	318	15 26	339	299	11 21	40
12	64.2	12 13	75.0	56.2	3 10	18.8	676	16 39	715	644	10 15	71	311	20 19	342	286	12 41	56
13 *	63.3	12 11	68.8	58.5	7 20	10.3	677	23 58	701	653	11 11	48	317	18 36	322	308	11 59	14
14	63.1	14 20	73.4	56.9	20 28	16.5	677	4 26	717	623	15 51	94	314	16 33	349	287	4 42	62
15	63.3	12 32	70.8	58.9	7 47	11.9	676	23 42	705	653	15 38	52	313	18 35	325	295	12 43	30
16	62.8	12 7	70.5	54.6	21 30	15.9	679	22 8	708	659	9 41	49	312	16 28	325	297	10 59	28
17 *	63.3	12 39	70.4	59.4	7 36	11.0	675	22 9	697	646	13 15	51	312	17 44	325	297	9 55	28
18 *	63.5	12 46	69.6	59.4	8 12	10.2	682	22 7	698	666	9 22	32	310	20 6	321	287	11 52	34
19 *	64.5	13 20	72.9	58.9	8 45	14.0	682	21 1	701	651	10 34	50	310	7 23	320	290	11 1	30
20	63.7	13 47	71.4	55.7	23 12	15.7	685	22 31	721	661	11 23	60	310	6 42	320	290	23 12	30
21	62.7	12 24	71.3	44.9	2 16	26.4	671	1 8	721	643	9 48	78	306	17 55	322	264	1 20	58
22	63.6	13 8	70.4	58.4	7 56	12.0	675	4 6	698	646	11 30	52	313	17 26	326	294	12 52	32
23 *	64.0	14 27	70.5	59.2	8 34	11.3	683	19 9	699	658	10 20	41	312	17 26	324	294	12 1	30
24	64.2	13 32	70.3	59.1	8 55	11.2	682	23 24	731	649	16 37	82	311	17 55	329	283	12 2	46
25	64.0	13 43	70.0	46.5	24 0	23.5	684	20 55	723	654	10 35	69	310	19 40	326	292	12 1	34
26	59.6	14 23	69.6	31.4†	0 29	38.2	665	18 49	696	614	0 29	82	305	17 40	324	269	1 43	55
27	63.7	12 11	70.4	56.6	4 13	13.8	669	5 1	730	613	15 11	117	315	16 28	345	290	5 59	55
28	62.9	16 58	71.5	39.0	20 54	32.5	661	23 3	706	592	19 58	114	318	20 9	366	299	5 32	67
29 **	61.7	6 15	76.9†	40.5	22 35	36.4	653	20 30	741	601	11 0	140	311	14 10	351	231	23 54	120
30 **	62.1	12 13	68.9	38.3	1 28	30.6	657	19 53	706	587	10 27	119	309	16 40	349	216†	0 19	133
Mean	63.3	-	71.6	53.2	-	18.4	671	-	715	627	-	87.8	313	-	339	284	-	55.3
Mean *	63.7	-	70.4	59.1	-	11.4	680	-	699	655	-	44.4	312	-	322	295	-	27.2
Mean **	62.9	-	72.6	47.7	-	24.9	659	-	733	590	-	142.8	312	-	360	253	-	107.0
October	8°+ ′	U.T. h m	8°+ ′	8°+ ′	U.T. h m	′	18000 γ+	U.T. h m	18000 γ+	18000 γ+	U.T. h m	γ	43000 γ+	U.T. h m	43000 γ+	43000 γ+	U.T. h m	γ
1	62.6	14 5	68.7	56.5	0 38	12.2	668	22 56	714	645	9 33	69	315	19 41	328	303	9 59	25
2	62.7	13 24	69.8	48.5	19 38	21.3	673	17 14	691	644	14 3	47	316	19 41	334	298	10 58	36
3	61.4	14 21	71.5	39.3	20 25	32.2	666	20 35	748	598	23 40	150	318	17 44	367	292	22 22	75
4 **	62.1	5 40	81.9	44.9	18 29	37.0	661	22 50	753	605	15 9	148	312	15 25	359	248†	0 33	111
5 **	63.2	6 15	80.7	37.8†	19 10	42.9	644	18 38	746	584†	11 49	162	324	18 36	377	281	0 0	96
6	62.6	13 19	70.2	54.5	17 40	15.7	658	18 2	709	611	14 17	98	320	16 10	356	303	2 24	53
7	62.9	14 24	68.6	54.0	21 19	14.6	667	21 24	704	632	14 59	72	322	16 45	337	302	10 39	35
8	63.9	14 32	71.8	57.7	23 10	14.1	676	23 3	726	628	13 32	98	320	20 5	336	303	2 20	33
9	63.0	11 40	69.5	54.8	1 31	14.7	676	23 24	718	650	11 1	68	316	23 2	330	297	10 59	33
10	62.1	14 22	69.0	44.7	20 19	24.3	675	16 39	713	639	21 2	74	317	20 36	333	302	11 4	31
11	63.0	12 21	72.1	47.4	18 18	24.7	679	23 42	762†	632	18 5	130	319	18 36	347	299	24 0	48
12	63.1	13 24	72.0	56.7	0 47	15.3	675	0 0	743	642	13 18	101	312	19 10	329	289	0 28	40
13	63.1	11 48	68.5	58.8	0 10	9.7	681	23 22	707	659	10 21	48	316	18 28	326	299	12 3	27
14	63.7	6 2	69.3	59.3	8 36	10.0	678	6 30	702	651	11 23	51	316	18 36	328	300	11 4	28
15 *	63.1	16 47	67.8	57.6	18 30	10.2	681	18 32	698	666	11 44	32	316	18 27	325	298	11 3	27
16	63.4	12 28	72.1	59.1	8 46	13.0	686	12 28	708	667	23 36	41	313	23 16	325	290	11 4	35
17	62.2	12 31	68.6	56.0	17 38	12.6	674	2 20	714	635	17 18	79	319	17 45	343	298	3 18	45
18	63.2	12 29	69.9	52.6	20 10	17.3	673	19 2	705	639	17 20	66	320	19 1	339	305	10 55	34
19	63.6	12 23	70.1	59.5	8 11	10.6	675	21 4	693	631	9 30	62	317	15 45	326	299	11 20	27
20 *	63.8	16 42	70.1	59.6	8 44	10.5	679	6 46	700	657	11 20	43	317	17 22	334	299	10 59	35
21	65.9	15 3	83.3†	54.7	20 23	28.6	683	14 28	727	634	15 16	93	322	19 39	360	285	10 48	75
22 *	63.1	11 32	68.4	59.4	8 47	9.0	682	5 14	699	663	10 19	36	317	15 19	325	303	10 58	22
23 *	63.2	12 44	69.3	59.1	8 47	10.2	684	18 46	698	663	12 42	35	316	15 20	325	300	11 41	25
24 *	63.3	13 21	68.4	59.2	8 46	9.2	686	19 11	704	664	10 21	40	315	7 42	324	300	11 20	24
25	62.6	12 30	69.0	55.5	23 19	13.5	687	22 5	759	637	17 39	122	314	18 35	339	295	23 46	44
26 **	62.8	13 58	74.6	52.0	3 20	22.6	661	23 15	711	598	14 31	113	318	15 57	372	254	2 51	118
27	61.9	13 5	66.2	56.4	1 34	9.8	673	23 12	696	651	10 13	45	319	19 35	330	301	0 43	29
28	62.3	12 15	67.9	55.3	16 36	12.6	681	6 41	701	654	16 25	47	318	16 49	334	302	3 0	32
29	61.1	12 59	70.2	48.6	20 41	21.6	666	0 4	692	631	18 45	61	323	19 44	351	312	2 6	39
30 **	58.9	4 5	74.8	39.7	22 30	35.1	660	4 19	723	601	19 55	122	320	17 25	371	273	4 31	98
31 **	61.9	2 49	73.2	44.4	16 28	28.8	656	9 4	692	586	13 51	106	323	16 26	378†	278	3 13	100
Mean	62.8	-	71.2	53.0	-	18.2	673	-	715	635	-	79.3	318	-	342	294	-	47.7
Mean *	63.3	-	68.8	59.0	-	9.8	682	-	700	663	-	37.2	316	-	327	300	-	26.6
Mean **	61.8	-	77.0	43.8	-	33.3	656	-	725	595	-	130.2	319	-	371	267	-	104.6

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

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

Date	DECLINATION WEST						HORIZONTAL INTENSITY						VERTICAL INTENSITY					
	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
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 **	61.3	11 47	68.4	48.3	19 22	20.1	665	23 59	715	610	14 32	105	321	15 11	346	292	23 51	54
2	61.6	14 0	66.6	55.5	0 34	11.1	669	20 0	735	628	14 40	107	320	15 27	343	287†	0 10	56
3	62.8	12 54	68.4	58.4	22 10	10.0	675	23 39	707	644	14 46	63	323	15 40	338	312	11 3	26
4 *	62.1	13 5	65.6	59.3	9 18	6.3	679	20 6	689	662	10 17	27	320	15 16	330	308	11 3	22
5	61.9	13 12	67.3	57.5	22 46	9.8	681	22 32	696	658	10 16	38	321	16 35	333	311	11 55	22
6	62.7	12 57	71.7†	57.5	18 27	14.2	684	6 9	725	655	12 10	70	315	18 39	334	303	11 41	31
7	60.6	12 25	66.6	48.3	22 19	18.3	681	22 31	727†	639	20 40	88	316	19 26	338	302	11 22	36
8	61.8	13 8	67.3	53.0	21 21	14.3	682	21 29	750†	658	21 14	92	315	21 27	330	302	11 8	28
9	61.7	12 0	65.6	56.9	17 52	8.7	681	2 4	709	657	0 8	52	316	16 28	324	306	11 48	18
10 *	62.2	12 32	65.2	60.3	7 49	4.9	685	7 59	697	672	10 38	25	316	17 45	324	307	11 58	17
11 *	62.7	18 27	67.4	56.4	23 7	11.0	682	7 5	696	669	18 40	27	318	19 37	328	309	11 56	19
12 *	62.5	12 33	66.7	58.5	0 0	8.2	685	18 15	699	670	11 36	29	316	16 17	322	307	11 25	15
13 *	62.7	12 58	65.6	60.2	9 36	5.4	690	21 50	707	670	10 41	37	314	7 41	320	308	0 22	12
14	62.6	12 31	67.4	57.3	22 40	10.1	692	21 44	709	669	11 22	40	312	21 36	321	301	11 22	20
15	62.2	12 4	67.5	53.5	19 56	14.0	683	4 25	701	659	19 30	42	315	19 55	327	306	9 58	21
16	63.4	14 32	71.3	59.9	23 46	11.4	684	11 3	702	633	14 45	69	314	16 6	331	299	11 30	32
17	62.6	18 14	67.3	53.0	20 7	14.3	682	23 27	703	632	19 54	71	321	22 23	344	310	7 46	34
18	62.4	12 41	67.4	59.1	0 21	8.3	685	7 59	706	666	0 41	40	318	2 43	328	307	8 34	21
19	62.4	13 3	66.7	59.1	21 0	7.6	683	21 12	705	666	10 42	39	318	16 27	328	311	11 4	17
20	62.1	12 0	66.5	57.3	22 41	9.2	693	17 35	709	676	0 36	33	316	0 57	325	306	10 50	19
21 **	61.9	9 19	69.3	53.5	24 0	15.8	676	0 41	732	616	8 54	116	315	17 22	334	300	1 18	34
22	60.6	13 55	67.2	46.2	0 19	21.0	669	1 4	701	621	16 35	80	319	16 56	344	301	1 28	43
23	62.4	3 15	65.6	59.7	0 27	5.9	682	5 17	700	670	2 40	30	315	18 36	324	304	10 55	20
24	62.3	13 5	66.5	57.3	16 29	9.2	682	7 41	699	661	16 20	38	318	16 37	332	310	10 55	22
25	62.0	13 35	65.5	57.8	1 34	7.7	682	0 56	710	654	15 32	56	317	19 36	329	304	12 29	25
26 **	60.1	10 33	69.2	27.4†	19 50	41.8	668	8 2	705	593	22 44	112	320	20 3	351	304	11 4	47
27 **	61.2	6 38	69.0	42.3	19 55	26.7	657	20 9	719	579†	12 10	140	329	16 46	356†	303	23 53	53
28 **	60.4	0 30	66.5	44.8	18 21	21.7	669	18 46	718	636	18 12	82	319	16 45	348	294	0 42	54
29	61.1	23 49	66.4	50.1	18 13	16.3	675	18 34	706	632	14 1	74	322	14 36	341	312	23 22	29
30	61.6	10 56	66.1	54.4	20 22	11.7	680	20 34	702	659	15 35	43	319	16 28	329	311	22 30	18
Mean	61.9	-	67.3	54.1	-	13.2	679	-	709	647	-	62.2	318	-	333	305	-	28.8
Mean *	62.4	-	66.1	58.9	-	7.2	684	-	698	669	-	29.0	317	-	325	308	-	17.0
Mean **	61.0	-	68.5	43.3	-	25.2	667	-	718	607	-	111.0	321	-	347	299	-	48.4
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	61.7	12 7	67.2	43.2	20 42	24.0	684	20 56	752	637	17 25	115	319	18 30	346	305	12 52	41
2 **	60.9	15 22	71.0	49.2	20 8	21.8	675	22 43	767†	602	14 54	165	323	16 19	356	299	1 10	57
3	61.6	5 28	69.1	51.5	21 19	17.6	679	21 50	712	645	5 10	67	318	20 31	332	303	8 46	29
4 **	59.2	11 4	68.2	45.4	18 43	22.8	673	1 18	766	632	13 57	134	322	19 28	346	283†	2 10	63
5	61.2	10 51	67.5	49.2	19 55	18.3	677	20 8	740	646	9 30	94	317	19 24	332	299	0 7	33
6	61.7	16 59	65.0	58.0	23 41	7.0	677	19 50	692	662	4 36	30	322	18 25	332	313	11 9	19
7	61.2	13 24	64.6	56.7	1 48	7.9	681	19 31	704	663	1 36	41	320	2 15	330	309	11 46	21
8	61.7	13 50	66.0	58.1	1 9	7.9	685	13 43	698	672	1 30	26	319	16 30	330	308	12 15	22
9 *	61.7	11 10	65.2	59.7	20 29	5.5	689	18 5	701	678	0 31	23	320	16 22	327	313	11 0	14
10	61.5	17 47	67.3	53.1	20 8	14.2	678	6 37	701	640	19 17	61	322	19 30	344	309	0 33	35
11	62.3	13 25	66.5	57.3	18 23	9.2	680	6 14	721	654	18 57	67	322	18 30	334	308	6 52	26
12	62.4	13 59	69.0	58.4	23 11	10.6	681	7 49	705	642	13 18	63	321	16 41	336	313	1 49	23
13 **	62.7	12 42	73.6†	54.3	1 24	19.3	666	5 46	729	609	13 1	120	321	14 46	346	296	6 24	50
14	60.9	12 31	63.7	59.0	23 59	4.7	672	21 46	693	658	2 23	35	323	16 17	330	315	10 3	15
15	61.1	10 40	66.5	56.4	4 5	10.1	685	12 0	706	662	0 19	44	321	0 49	332	310	9 33	22
16	61.5	15 19	68.0	52.5	21 22	15.5	681	9 42	699	661	16 22	38	323	16 35	336	309	8 18	27
17	60.9	10 32	63.7	54.3	23 14	9.4	681	17 57	696	657	23 46	39	320	23 56	332	309	10 14	23
18	61.4	12 15	65.4	52.0	19 13	13.4	689	12 34	710	649	19 5	61	320	19 19	335	304	10 25	31
19 *	61.4	18 20	63.6	58.4	2 4	5.2	687	18 1	697	675	2 14	22	321	11 44	329	311	8 14	18
20 *	61.7	12 24	63.8	59.8	20 56	4.0	693	6 3	705	682	1 27	23	319	16 27	327	310	7 14	17
21 *	61.6	14 19	64.4	59.2	19 40	5.2	691	9 6	701	679	20 30	22	318	20 35	327	310	8 50	17
22	62.3	16 12	68.0	58.6	23 54	9.4	686	6 22	706	653	16 18	53	322	18 20	339	309	9 35	30
23 *	61.8	12 21	65.1	58.8	0 30	6.3	690	17 18	705	674	1 4	31	320	0 7	330	311	13 25	19
24	61.5	13 40	70.7	53.5	19 44	17.2	678	7 11	713	596	15 3	117	324	15 32	360	306	10 4	54
25	61.1	4 18	69.0	54.5	1 27	14.5	676	0 0	703	638	13 20	65	319	14 1	337	296	4 40	41
26	61.3	6 18	65.3	54.2	16 29	11.1	685	0 50	712	659	16 21	53	317	16 44	330	305	1 20	25
27	59.8	11 9	63.4	36.0†	23 11	27.4	684	18 16	703	592†	22 44	111	319	22 50	349	309	3 30	40
28	60.4	16 47	66.4	50.0	23 7	16.4	674	23 33	702	637	0 38	65	324	18 36	340	309	9 30	31
29 **	60.2	20 52	66.8	49.7	0 29	17.1	669	22 9	723	593	16 45	130	324	18 25	361†	306	0 44	55
30 **	61.3	12 42	67.5	45.5	16 42	22.0	669	20 25	708	609	16 25	99	325	16 46	350	305	6 0	45
31	60.1	23 30	66.1	49.7	20 30	16.4	682	23 10	746	628	15 11	118	322	15 36	341	302	23 40	39
Mean	61.3	-	66.7	53.4	-	13.3	681	-	713	645	-	68.8	321	-	337	306	-	31.7
Mean *	61.6	-	64.4	59.2	-	5.2	690	-	702	678	-	24.2	320	-	328	311	-	17.0
Mean **	60.9	-	69.4	48.8	-	20.6	670	-	739	609	-	129.6	323	-	352	298	-	54.0

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

TABLE IV(A). - THREE-HOUR-RANGE INDICES "K" FOR THE YEAR 1952

Date	January		February		March		April		May		June	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	4233 3332	23	3244 4455	31	4332 4311	21	4344 5442	30	5445 4555	37	2223 3332	20
2	2222 2232	17	2332 2323	20	1212 2111	11	6445 4455	37	5434 4455	34	2222 3332	19
3	2122 3143	18	2112 1121	11	1032 5565	27	5455 4655	39	4433 4466	34	2323 3333	22
4	3113 3335	22	2111 2110	9	5545 4555	38	3344 4565	34	6333 4555	34	4122 1222	16
5	3454 4435	32	0111 1101	6	5545 5656	41	4344 4645	34	4334 3434	28	2323 3322	20
6	4444 3532	29	1234 4566	31	7654 4355	39	6335 3455	34	3343 3433	26	3232 2111	15
7	2233 4444	26	4345 4455	34	3435 5656	37	4344 3454	31	4344 5556	36	1112 1231	12
8	3323 2321	19	4354 4555	35	5333 4564	33	5333 4444	30	4343 4443	29	4333 3544	29
9	0332 2343	20	3323 4454	28	5334 4555	34	4334 3445	30	1121 2112	11	3443 5544	32
10	3433 3535	29	3223 2466	28	5343 4655	35	5444 3233	28	3123 3110	14	4332 5434	28
11	3333 4544	29	5434 3355	32	4333 4564	32	3123 3221	17	0212 4541	19	3332 3433	24
12	5433 3555	33	5433 4455	33	4233 3443	26	3212 1133	16	4332 2232	21	3222 2332	19
13	3334 5455	32	4333 4446	31	3133 4224	22	3333 3232	22	1122 4234	19	0151 2232	16
14	4344 4545	33	3233 3343	24	2122 2112	13	2123 3423	20	4221 1221	15	1334 4555	30
15	3433 6443	30	2233 2213	18	2232 3344	23	3223 4332	22	1121 3321	14	3443 4333	27
16	3123 2343	21	3454 5455	35	1333 2344	23	3443 4433	28	1111 1311	10	3433 4531	26
17	2122 1132	14	4223 3222	20	3433 4433	27	2332 2112	16	0111 2333	14	2323 3431	21
18	1112 1111	9	3223 2244	22	2233 3413	21	1112 3445	21	4344 4643	32	4323 3323	23
19	1121 2232	14	5343 3465	33	2122 2333	18	3332 4445	28	4545 4433	32	2222 3312	17
20	0111 0133	10	3333 3311	20	0122 1121	10	2222 1323	17	3333 4424	26	2222 2221	15
21	2222 1122	14	1122 3222	15	3333 5445	30	3134 7865	37	3333 4322	23	1112 2322	14
22	2121 1233	15	0132 3232	16	4433 2355	29	4443 3432	27	1122 1110	9	1233 5544	27
23	3122 4454	25	2133 2314	19	6243 2464	31	3333 2332	22	1113 3332	17	3344 5434	30
24	3123 3433	22	6635 5564	40	4444 5444	33	1122 3424	19	3223 3433	23	4533 4433	29
25	3212 3333	20	4133 5231	22	2343 4344	27	1113 3312	15	4333 3421	23	1123 3443	21
26	0022 3210	10	4334 3445	30	4321 3343	23	1012 3342	16	0045 3556	28	4334 4422	26
27	1333 5544	28	4443 2455	31	2333 3433	24	1021 2123	12	6344 4554	35	2332 3433	23
28	3433 4424	27	4345 4452	31	2221 2221	14	4433 4433	28	4334 4554	32	3123 3311	17
29	2123 3566	28	2333 3424	24	1123 3234	19	3454 5666	39	4444 4543	32	1122 2245	19
30	3333 3133	22			3322 4566	31	5444 4555	36	3332 3343	24	5765 3322	33
31	1122 3323	17			6554 4654	39			4432 3244	26		

TABLE IV(A). - THREE HOUR RANGE INDICES "K" FOR THE YEAR 1952

Date	July		August		September		October		November		December	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	1122 2255	20	2322 2332	19	5444 4435	33	3323 2233	21	3323 4345	27	1234 4455	28
2	3223 2322	19	2211 3244	19	4454 5334	32	1222 4353	22	4222 4352	24	4333 5446	32
3	2223 3442	22	2333 5532	26	3424 3324	25	3432 3466	31	2223 3313	19	3434 3334	27
4	2223 3412	19	3332 2444	25	3233 3332	22	5654 4456	39	3112 1110	10	6344 4454	34
5	3444 5554	34	4223 2332	21	3133 3544	26	3554 4563	35	2123 3112	15	4334 3252	26
6	3453 3322	25	4433 3432	26	3333 2333	23	3334 4542	28	1443 3332	23	1222 1322	15
7	3232 2320	17	4343 3233	25	1432 3356	27	0133 3434	21	3222 2345	23	2111 2231	13
8	1132 4333	20	3222 3332	20	5544 4555	37	3322 4335	25	3332 3345	26	2112 2211	12
9	3334 3443	27	0222 2233	16	4435 3544	32	3222 1234	19	4211 1332	17	1011 2010	6
10	2333 3533	25	4222 4443	25	4333 3223	23	2222 1454	22	0011 0110	4	1211 1343	16
11	3333 3330	21	4113 3334	22	3323 3334	24	3323 3455	28	1011 1233	12	1332 2231	17
12	2223 3222	18	5233 3443	27	3433 4443	28	5332 3233	24	1011 1110	6	2132 4322	19
13	1223 3432	20	1121 1311	11	1122 1112	11	3112 2223	16	1001 2001	5	3453 4232	26
14	3322 3423	22	2222 1221	14	3434 4444	30	3332 2210	16	1212 2133	15	1111 1113	10
15	3423 4433	26	2112 2233	16	3123 3333	21	1112 1331	13	1122 2241	15	4323 3302	20
16	3321 3331	19	2322 2211	15	3123 3223	19	1222 3113	15	0022 4401	13	1212 3333	18
17	0222 2333	17	3344 5454	32	3112 3112	14	3421 2432	21	2023 2244	19	2231 2113	15
18	1323 3333	21	5333 4555	33	1112 1122	11	3342 2343	24	2222 2122	15	3312 3342	21
19	1122 3232	16	4324 3431	24	1022 2213	13	3033 2211	15	1121 2123	13	3112 1111	11
20	3225 5645	32	3433 3334	26	1011 3234	15	2221 2222	15	2203 1212	13	1111 1111	8
21	3444 5444	32	2124 2321	17	5322 2122	19	0024 5553	24	4354 2333	27	0011 2111	7
22	4333 3334	26	1123 2223	16	1321 2122	14	2212 1101	10	4123 3430	20	1111 3231	13
23	2332 3334	23	4223 3332	22	1111 2211	10	0111 2211	9	2322 1011	12	1111 1121	9
24	3223 3333	22	1132 3321	16	1132 3434	21	1111 1111	8	2012 3311	13	2324 5543	28
25	1112 3433	18	0123 3211	13	1112 2345	19	1113 3445	22	3112 3312	16	4424 4223	25
26	3333 2311	19	1213 2222	15	5532 3231	24	4424 4444	30	1123 3464	24	3232 1312	17
27	2122 3324	19	3333 2221	19	1434 3432	24	3323 1222	18	4335 5454	33	3322 2236	23
28	2222 2231	16	2211 1211	11	3334 4465	32	3322 3432	22	4333 3453	28	4133 4444	27
29	0111 2221	10	2122 3444	22	5554 4355	36	2221 3354	22	1123 4343	21	4334 3555	32
30	1012 2111	9	4442 3333	26	6434 2443	30	4522 4455	31	3132 2333	20	4433 3544	30
31	2244 3442	25	1222 2223	16			5454 4543	34			4233 3445	28

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

All Days

DECLINATION WEST (Unit 0.'01)

Month and Season, 1952	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	-181	-121	- 66	- 25	- 23	+ 7	+ 26	- 29	- 33	- 5	+ 99	+202	+328	+428	+298	+250	+146	- 29	+ 10	-125	-283	-295	-299	-282
February	-224	-144	-153	-102	- 69	- 46	- 32	+ 18	+ 25	+ 57	+183	+351	+415	+461	+380	+237	+ 72	+ 48	- 5	-259	-318	-291	-282	-312
March	-201	-258	-193	-139	-128	- 85	-110	-158	-115	- 27	+169	+383	+552	+592	+572	+403	+221	+ 36	-114	-201	-272	-282	-270	-373
April	-217	-218	-240	-224	-227	-215	-216	-248	-217	-178	+ 25	+312	+588	+717	+700	+563	+371	+140	-108	-211	-234	-240	-229	-187
May	-230	-276	-216	-225	-245	-308	-384	-357	-283	-140	+139	+398	+583	+599	+533	+428	+328	+198	+ 66	- 36	- 77	-155	-176	-155
June	-133	-174	-249	-256	-306	-371	-452	-472	-415	-241	- 4	+263	+476	+590	+568	+466	+391	+286	+177	+ 85	+ 29	- 44	-120	-100
July	-174	-163	-169	-178	-225	-320	-380	-387	-372	-264	- 62	+169	+385	+473	+544	+457	+374	+264	+160	+110	+ 34	- 28	- 88	-168
August	-179	-149	-208	-221	-230	-277	-366	-419	-398	-240	+ 59	+370	+580	+634	+591	+481	+307	+154	+ 41	- 38	- 57	- 88	-169	-166
September	-279	-292	-238	-199	-178	-129	-130	-182	-194	- 87	+119	+383	+584	+589	+483	+339	+155	+121	+ 23	- 45	-180	-231	-216	-227
October	-218	-210	-117	-140	- 65	+ 23	+ 34	- 68	-167	-144	+ 93	+329	+495	+495	+439	+322	+139	+ 92	- 62	-193	-348	-249	-245	-241
November	- 89	-105	- 49	- 32	- 28	- 49	- 16	- 11	- 17	+ 19	+135	+266	+316	+303	+210	+139	+ 55	+ 56	- 64	-219	-215	-194	-232	-172
December	-197	-151	-100	- 48	- 60	- 3	+ 32	+ 18	+ 65	+104	+196	+217	+243	+230	+183	+166	+103	+ 69	- 44	-183	-217	-201	-199	-223
Year	-194	-188	-167	-149	-149	-148	-166	-191	-177	- 96	+ 96	+304	+462	+509	+458	+354	+222	+120	+ 7	-110	-178	-192	-210	-217
Winter	-173	-130	- 92	- 52	- 45	- 23	+ 3	- 1	+ 10	+ 44	+153	+259	+326	+356	+268	+198	+ 94	+ 36	- 26	-197	-258	-245	-253	-247
Equinox	-229	-245	-197	-176	-150	-102	-106	-164	-173	-109	+102	+352	+555	+598	+549	+407	+222	+ 97	- 65	-163	-259	-251	-240	-257
Summer	-179	-191	-211	-220	-252	-319	-396	-409	-367	-221	+ 33	+300	+506	+574	+559	+458	+350	+226	+111	+ 30	- 18	- 79	-138	-147

INCLINATION (Unit 0.'01)

January	- 10	- 12	- 17	- 38	- 50	- 81	- 93	- 82	- 59	- 14	+ 18	+ 33	+ 25	+ 37	+ 83	+ 54	+ 75	+ 75	+ 40	+ 42	+ 25	- 2	- 26	- 13
February	- 35	- 47	- 23	- 14	- 27	- 58	- 75	- 66	- 22	+ 8	+ 33	+ 53	+ 46	+ 36	+ 29	+ 58	+ 70	+ 60	+ 39	- 11	+ 26	- 23	- 35	- 29
March	- 69	- 49	- 52	- 43	- 59	- 75	- 49	- 25	+ 10	+ 48	+ 94	+ 74	+ 51	+ 45	+ 53	+ 77	+ 90	+ 52	+ 40	+ 8	+ 2	- 52	- 72	- 96
April	- 88	- 64	- 35	- 28	- 26	- 33	- 8	+ 32	+ 50	+ 89	+116	+101	+ 62	+ 48	+ 53	+ 37	+ 20	+ 5	+ 18	- 11	- 68	- 59	- 90	-116
May	-115	- 81	- 39	- 12	+ 6	+ 17	+ 46	+ 98	+133	+147	+ 97	+ 49	+ 48	+ 45	+ 36	+ 14	- 19	- 31	- 80	- 84	- 68	- 59	- 77	- 69
June	- 65	- 48	- 56	- 55	- 61	- 16	+ 34	+ 80	+118	+123	+102	+ 92	+ 86	+ 75	+ 59	+ 22	- 22	- 35	- 72	- 82	- 80	- 70	- 68	- 63
July	- 42	- 34	- 29	- 25	- 25	- 14	+ 7	+ 62	+ 78	+ 99	+104	+ 97	+ 71	+ 65	+ 48	+ 29	- 11	- 49	- 72	- 69	- 80	- 70	- 72	- 58
August	- 30	- 51	- 45	- 32	- 17	- 19	- 4	+ 42	+ 79	+ 98	+ 87	+ 66	+ 31	+ 19	+ 8	+ 14	+ 6	- 1	- 27	- 41	- 60	- 38	- 48	- 36
September	- 67	- 60	- 65	- 55	- 58	- 67	- 19	+ 34	+ 92	+124	+131	+ 96	+ 49	+ 51	+ 33	+ 45	+ 24	- 7	- 9	- 19	- 56	- 53	- 70	- 79
October	- 52	- 47	- 51	- 54	- 66	- 75	- 65	- 33	+ 3	+ 47	+ 39	+ 44	+ 39	+ 44	+ 39	+ 75	+ 77	+ 70	+ 48	+ 26	- 2	- 9	- 42	- 57
November	- 21	- 15	- 5	- 17	- 38	- 65	- 71	- 58	- 25	+ 7	+ 18	+ 30	+ 31	+ 31	+ 57	+ 59	+ 60	+ 26	+ 15	+ 8	+ 2	- 4	- 5	- 13
December	+ 3	+ 3	+ 16	- 3	- 21	- 58	- 72	- 55	- 49	- 21	- 19	- 24	- 23	+ 3	+ 47	+ 60	+ 60	+ 58	+ 54	+ 39	+ 18	+ 6	- 5	- 10
Year	- 49	- 42	- 33	- 31	- 37	- 45	- 31	+ 2	+ 34	+ 63	+ 68	+ 59	+ 43	+ 42	+ 45	+ 45	+ 36	+ 19	0	- 16	- 28	- 36	- 51	- 53
Winter	- 16	- 18	- 7	- 18	- 34	- 65	- 78	- 65	- 39	- 5	+ 12	+ 23	+ 20	+ 27	+ 54	+ 58	+ 66	+ 55	+ 37	+ 19	+ 18	- 6	- 18	- 16
Equinox	- 69	- 55	- 51	- 45	- 52	- 62	- 35	+ 2	+ 39	+ 77	+ 95	+ 79	+ 50	+ 47	+ 44	+ 58	+ 53	+ 30	+ 24	+ 1	- 31	- 43	- 69	- 87
Summer	- 63	- 53	- 42	- 31	- 24	- 8	+ 21	+ 70	+102	+117	+ 98	+ 76	+ 59	+ 51	+ 38	+ 20	- 11	- 29	- 63	- 69	- 72	- 59	- 66	- 56

HORIZONTAL INTENSITY (Unit 0.1γ)

January	0	- 6	- 1	+ 28	+ 43	+ 91	+110	+ 97	+ 65	- 1	- 43	- 63	- 53	- 59	- 97	- 42	- 65	- 61	- 12	- 20	0	+ 22	+ 47	+ 11
February	+ 23	+ 29	- 7	- 22	+ 7	+ 61	+ 90	+ 79	+ 17	- 35	- 74	- 98	- 78	- 49	- 17	- 45	- 43	- 30	- 2	+ 67	- 3	+ 56	+ 50	+ 29
March	+ 50	+ 10	+ 16	+ 15	+ 41	+ 75	+ 41	+ 21	- 38	-104	-181	-146	-101	- 72	- 54	- 51	- 41	+ 21	+ 30	+ 63	+ 59	+115	+105	+114
April	+ 97	+ 49	+ 1	- 2	- 2	+ 17	- 12	- 65	- 98	-167	-218	-206	-145	- 96	- 63	- 5	+ 57	+ 99	+ 83	+107	+155	+116	+143	+149
May	+124	+ 60	- 4	- 23	- 27	- 38	- 75	-157	-221	-260	-197	-133	-122	- 82	- 35	+ 34	+111	+137	+212	+202	+155	+122	+128	+ 87
June	+ 84	+ 53	+ 61	+ 58	+ 71	- 5	- 76	-143	-203	-218	-197	-189	-171	-135	- 79	+ 7	+ 87	+116	+178	+184	+167	+139	+120	+ 96
July	+ 49	+ 35	+ 25	+ 24	+ 32	+ 12	- 17	- 99	-130	-174	-197	-200	-157	-131	- 75	- 16	+ 64	+133	+170	+156	+155	+127	+117	+ 86
August	+ 39	+ 59	+ 40	+ 28	+ 17	+ 20	+ 4	- 61	-128	-173	-172	-155	-105	- 64	- 19	+ 4	+ 33	+ 56	+ 93	+112	+126	+ 85	+ 89	+ 62
September	+ 60	+ 55	+ 62	+ 52	+ 64	+ 74	+ 15	- 59	-148	-208	-229	-182	-103	- 84	- 32	- 19	+ 28	+ 71	+ 70	+ 84	+125	+100	+108	+ 99
October	+ 54	+ 45	+ 42	+ 49	+ 78	+ 89	+ 78	+ 40	- 15	- 92	- 94	-106	- 90	- 80	- 46	- 70	- 58	- 47	- 13	+ 11	+ 40	+ 38	+ 72	+ 78
November	+ 20	+ 6	- 6	+ 13	+ 46	+ 91	+ 93	+ 75	+ 26	- 27	- 51	- 68	- 59	- 44	- 69	- 66	- 58	- 10	+ 4	+ 14	+ 21	+ 18	+ 13	+ 17
December	- 11	- 18	- 36	- 9	+ 17	+ 73	+ 88	+ 65	+ 52	+ 8	+ 11	+ 22	+ 26	- 3	- 55	- 68	- 60	- 59	- 49	- 28	0	+ 6	+ 12	+ 9
Year	+ 49	+ 31	+ 16	+ 18	+ 32	+ 47	+ 28	- 17	- 68	-121	-137	-127	- 97	- 75	- 53	- 28	+ 5	+ 36	+ 64	+ 79	+ 83	+ 79	+ 84	+ 70
Winter	+ 8	+ 3	- 13	+ 3	+ 28	+ 79	+ 95	+ 79	+ 40	- 14	- 39	- 52	- 41	- 39	- 60	- 55	- 57	- 40	- 15	+ 8	+ 5	+ 26	+ 31	+ 17
Equinox	+ 65	+ 40	+ 30	+ 29	+ 45	+ 64	+ 31	- 16	- 75	-143	-181	-160	-110	- 83	- 49	- 36	- 4	+ 36	+ 43	+ 66	+ 95	+ 92	+107	+110
Summer	+ 74	+ 52	+ 31	+ 22	+ 23	- 3	- 41	-115	-171	-206	-191	-169	-139	-103	- 52	+ 7	+ 74	+111	+163	+164	+151	+118	+114	+ 83

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

All Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1952	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	+16	+4	+5	+30	+44	+89	***+106***	+98	+67	-1	-51	-79	-80	-95	***-121***	-63	-77	-58	-13	-9	+24	+47	+72	+35
February	+42	+41	+6	-13	+13	+64	***+92***	+76	+15	-39	-89	***-127***	-113	-88	-49	-65	-49	-34	-2	+88	+24	+80	+74	+55
March	+67	+32	+32	+27	+51	+81	+50	+34	-28	-100	***-193***	-177	-147	-122	-102	-85	-59	+18	+39	+79	+82	+138	+127	***+144***
April	+114	+67	+22	+17	+17	+35	+7	-43	-78	-150	-217	***-230***	-194	-156	-122	-53	+24	+86	+91	+124	***+173***	+135	+161	+163
May	+142	+83	+15	-3	-6	-11	-41	-124	-194	***-245***	-206	-165	-170	-132	-80	-3	+81	+118	***+204***	+202	+160	+134	+141	+99
June	+94	+67	+82	+79	+96	+27	-36	-101	-165	-195	-194	-209	***-210***	-184	-127	-33	+52	+90	+161	***+174***	+162	+141	+129	+103
July	+63	+49	+39	+39	+51	+39	+16	-65	-96	-149	-189	***-212***	-188	-170	-121	-55	+31	+109	***+154***	+145	+150	+128	+123	+99
August	+54	+71	+57	+47	+36	+43	+35	-24	-92	-150	-175	***-185***	-153	-118	-69	-37	+6	+42	+88	+114	***+129***	+91	+102	+75
September	+83	+79	+82	+68	+78	+84	+26	-43	-129	-198	***-236***	-212	-152	-133	-73	-48	+14	+60	+67	+87	***+139***	+118	+125	+117
October	+72	+62	+51	+60	+83	+86	+74	+45	0	-78	-101	***-133***	-131	-121	-83	-97	-69	-54	-8	+27	+69	+59	+92	***+98***
November	+27	+15	-2	+16	+48	***+94***	+93	+75	+27	-28	-62	***-90***	-85	-69	-86	-77	-62	-15	+9	+33	+39	+34	+33	+32
December	+6	-5	-27	-5	+22	+72	***+84***	+63	+46	-1	-6	+3	+5	-23	-70	***-81***	-68	-64	-45	-12	+19	+23	+29	+28
Year	+65	+47	+30	+30	+44	+59	+42	-1	-52	-111	-143	***-151***	-135	-117	-92	-58	-15	+25	+62	+88	+98	+94	***+101***	+87
Winter	+23	+14	-4	+7	+32	+80	***+94***	+78	+39	-17	-52	-73	-68	-69	***-81***	-71	-64	-43	-13	+25	+26	+46	+52	+37
Equinox	+84	+60	+47	+43	+57	+71	+39	-2	-59	-131	-187	***-188***	-156	-133	-95	-71	-22	+27	+47	+79	+116	+112	+126	***+130***
Summer	+88	+67	+48	+40	+44	+24	-6	-78	-137	-185	-191	***-193***	-180	-151	-99	-32	+42	+90	+152	***+159***	+150	+123	+124	+94

WEST COMPONENT (Unit 0.1γ)

January	-97	-66	-36	-9	-6	+18	+31	0	-7	-3	+46	+98	+168	***+220***	+144	+127	+68	-25	+3	-70	-152	***-155***	-153	-149
February	-116	-73	-83	-58	-36	-15	-3	+22	+16	+25	+86	+173	+210	***+239***	+201	+120	+32	+21	-3	-128	***-171***	-147	-143	-163
March	-100	-137	-101	-72	-62	-34	-53	-81	-68	-31	+62	+182	+280	***+306***	+298	+208	+112	+23	-56	-98	-137	-133	-128	***-182***
April	-101	-109	-129	-120	-122	-113	-118	***-143***	-132	-122	-21	+135	+292	***+369***	+365	+301	+208	+91	-45	-96	-101	-110	-100	-77
May	-104	-139	-116	-124	-136	-171	***-218***	-216	-187	-116	+43	+192	+293	***+308***	+280	+235	+193	+128	+69	+13	-17	-64	-74	-69
June	-58	-85	-124	-128	-153	-200	-254	***-276***	-255	-164	-33	+111	+228	***+295***	+292	+251	+223	+172	+123	+75	+42	-2	-45	-38
July	-86	-82	-87	-92	-116	-170	-206	***-223***	-220	-169	-64	+59	+182	+233	***+280***	+243	+211	+163	+113	+84	+43	+5	-29	-77
August	-90	-71	-105	-114	-121	-145	-196	***-234***	***-234***	-156	+4	+174	+294	***+330***	+314	+259	+170	+91	+37	-3	-11	-34	-77	-79
September	-140	***-148***	-118	-99	-85	-57	-67	-107	-127	-80	+28	+177	+297	***+303***	+254	+179	+88	+76	+23	-11	-77	-108	-99	-106
October	-108	-106	-56	-67	-23	+26	+31	-30	-92	-92	+35	+160	+251	***+253***	+228	+162	+65	+42	-35	-102	***-180***	-128	-120	-117
November	-45	-55	-27	-15	-8	-12	+6	+6	-5	+6	+64	+132	***+160***	+156	+102	+64	+20	+28	-34	-115	-112	-101	***-122***	-90
December	-107	-84	-59	-27	-29	+10	+31	+20	+43	+57	+107	+120	***+134***	+123	+89	+78	+46	+28	-31	-103	-116	-107	-105	***-118***
Year	-96	-96	-87	-78	-75	-72	-85	-105	***-106***	-70	+30	+143	+232	***+261***	+237	+186	+120	+70	+14	-46	-82	-90	-99	-105
Winter	-91	-69	-51	-27	-20	0	+16	+12	+12	+21	+76	+131	+168	***+184***	+134	+97	+41	+13	-16	-104	***-138***	-127	-131	-130
Equinox	-112	***-125***	-101	-89	-73	-44	-52	-90	-105	-81	+26	+163	+280	***+308***	+286	+212	+118	+58	-28	-77	-124	-120	-112	-120
Summer	-84	-94	-108	-114	-131	-171	-218	***-237***	-224	-151	-12	+134	+249	***+291***	***+291***	+247	+199	+138	+85	+42	+14	-24	-56	-66

VERTICAL COMPONENT (Unit 0.1γ)

January	-35	-57	-60	-68	***-74***	-71	-68	-60	-54	-52	-38	-33	-35	-7	+64	+90	+111	***+117***	+110	+101	+86	+45	+19	-20
February	-68	-97	-97	***-99***	-77	-58	-53	-45	-38	-52	-58	-43	-20	+12	+62	+97	***+142***	+140	+132	+116	+82	+50	-6	-35
March	-122	***-146***	-142	-115	-111	-86	-74	-37	-54	-74	-93	-82	-57	-10	+59	+149	+217	***+229***	+210	+175	+143	+85	-5	-68
April	-80	-110	-119	-103	-94	-75	-55	-40	-55	-79	-104	***-129***	-121	-55	+39	+117	+201	+249	***+256***	+211	+125	+65	+18	-56
May	-110	-141	***-145***	-96	-42	-30	-13	-23	-50	-95	-122	-138	-116	-35	+42	+127	+191	+212	***+216***	+179	+124	+78	+31	-39
June	-32	-45	-54	-56	-46	-68	-58	-56	-61	-81	-102	***-119***	-99	-52	+23	+91	+124	+147	***+162***	+143	+111	+80	+42	+7
July	-31	-38	-42	-31	-13	-19	-16	-15	-31	-59	-98	***-128***	-119	-78	-9	+62	+109	+140	***+145***	+124	+83	+52	+23	-3
August	-14	-39	-63	-46	-20	-18	-3	+4	-23	-60	-98	-131	***-135***	-84	-17	+59	+97	+127	+124	+117	+83	+66	+41	+19
September	***-93***	-82	-83	-69	-53	-62	-32	-18	-24	-52	-78	-90	-68	-18	+40	+113	***+150***	+141	+132	+129	+95	+49	+9	-43
October	-54	-59	-78	-73	-49	-53	-43	-21	-26	-50	-82	***-95***	-72	-33	+27	+99	+134	+134	***+136***	+115	+87	+56	+21	-18
November	-27	-37	-30	-30	-24	-15	-30	-27	-27	-40	***-55***	***-55***	-31	+4	+37	+51	***+72***	+66	+62	+59	+54	+29	+13	-7
December	-16	-31	-29	-32	-34	-33	-45	-41	-51	***-54***	-42	-31	-18	+4	+35	+52	+70	+64	***+72***	+69	+62	+36	+12	-13
Year	-57	-74	-79	-68	-53	-49	-41	-32	-41	-62	-81	***-90***	-74	-29	+34	+92	+135	***+147***	+146	+128	+95	+58	+18	-23
Winter	-37	-56	-54	***-57***	-52	-44	-49	-43	-43	-50	-48	-41	-26	+3	+50	+73	***+99***	+97	+94	+86	+71	+40	+10	-19
Equinox	-87	-99	***-106***	-90	-77	-69	-51	-29	-40	-64	-89	-99	-80	-29	+41	+120	+176	***+188***	+184	+158	+113	+64	+11	-46
Summer	-47	-66	-76	-57	-30	-34	-23	-23	-41	-74	-105	***-129***	-117	-62	+10	+85	+130	+157	***+162***	+141	+100	+69	+34	-4

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, 1952	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	-134	-108	-114	- 68	-118	-104	- 72	-106	-126	-100	+ 12	+122	+264	+338	+236	+204	+164	+180	+100	- 50	- 50	-112	-194	-170
February	- 81	- 39	- 35	- 39	- 47	- 75	- 93	-143	-149	-117	- 19	+ 97	+231	+293	+243	+171	+ 69	+103	+ 45	- 31	-145	- 95	- 65	- 71
March	- 90	-114	-104	-106	- 96	-102	-146	-242	-276	-240	- 36	+204	+374	+440	+394	+276	+116	+110	+ 82	- 6	- 82	- 90	-126	-130
April	-130	- 52	-136	-178	-234	-252	-310	-386	-450	-330	- 44	+292	+540	+622	+516	+406	+310	+222	+168	+ 16	- 30	-176	-146	-232
May	- 95	- 83	-119	-185	-277	-383	-441	-463	-417	-237	+ 81	+371	+571	+581	+455	+315	+183	+141	+ 51	+ 23	+ 17	+ 19	- 43	- 57
June	- 35	- 87	-109	-111	-257	-385	-493	-487	-457	-325	- 71	+193	+393	+475	+439	+379	+357	+281	+193	+125	+ 57	+ 39	- 17	- 93
July	-200	-210	-240	-216	-250	-362	-424	-382	-328	-222	- 32	+164	+370	+456	+462	+406	+334	+270	+168	+152	+116	+ 42	+ 4	- 88
August	- 47	- 75	-103	-191	-229	-283	-399	-497	-519	-319	+ 33	+367	+571	+593	+493	+303	+155	+ 81	+ 43	+ 23	+ 59	+ 7	- 7	- 57
September	-150	-134	-160	-186	-218	-202	-234	-316	-356	-236	+ 26	+336	+532	+504	+440	+304	+188	+ 98	+ 58	- 14	- 24	- 20	- 94	-136
October	-161	-121	-135	-113	-119	- 95	-147	-187	-291	-227	+ 15	+297	+401	+393	+345	+239	+241	+189	- 23	- 7	- 43	-105	-159	-175
November	-121	-111	- 85	- 63	- 53	- 97	- 93	- 95	-107	-113	+ 55	+223	+297	+235	+149	+105	+ 85	+115	+ 95	- 11	- 45	- 77	-141	-141
December	- 74	- 88	- 84	- 52	- 40	- 44	- 20	- 42	- 4	+ 52	+ 92	+132	+142	+134	+ 96	+ 76	+ 54	+ 58	+ 32	- 40	- 72	-106	- 96	-100
Year	-110	-102	-119	-126	-162	-199	-239	-279	-290	-201	+ 9	+233	+391	+422	+356	+265	+188	+154	+ 84	+ 15	- 20	- 56	- 90	-121
Winter	-103	- 87	- 80	- 56	- 65	- 80	- 70	- 97	- 97	- 70	+ 35	+144	+234	+250	+181	+139	+ 93	+114	+ 68	- 33	- 78	- 98	-124	-121
Equinox	-133	-105	-134	-146	-167	-163	-209	-283	-343	-258	- 10	+282	+462	+490	+424	+306	+214	+155	+ 71	- 3	- 45	- 98	-131	-168
Summer	- 94	-114	-143	-176	-253	-353	-439	-457	-430	-276	+ 3	+274	+476	+526	+462	+351	+257	+193	+114	+ 81	+ 62	+ 27	- 16	- 74

INCLINATION (Unit 0.'01)

January	+ 44	+ 46	+ 25	+ 17	+ 5	- 11	- 33	- 40	- 38	+ 3	+ 15	+ 37	+ 27	- 4	- 16	- 20	- 13	- 12	- 18	- 23	- 2	0	+ 5	+ 2
February	+ 15	+ 16	+ 24	+ 19	+ 2	- 19	- 40	- 58	- 29	+ 4	+ 32	+ 26	+ 24	+ 23	+ 12	+ 2	+ 3	+ 3	0	+ 9	- 6	- 21	- 21	- 22
March	- 24	+ 9	+ 17	+ 13	+ 4	- 13	- 16	- 11	+ 16	+ 44	+ 77	+ 70	+ 43	+ 25	+ 9	+ 25	+ 8	- 32	- 43	- 44	- 35	- 40	- 44	- 59
April	+ 7	+ 4	- 2	+ 5	+ 10	+ 18	+ 38	+ 54	+ 78	+ 95	+ 90	+ 77	+ 38	- 13	- 26	- 46	- 38	- 47	- 55	- 41	- 50	- 36	- 90	- 70
May	- 47	- 41	- 13	- 3	+ 13	+ 20	+ 44	+ 80	+ 94	+ 86	+ 65	+ 31	+ 13	+ 9	+ 16	- 9	- 34	- 41	- 34	- 46	- 54	- 53	- 49	- 44
June	- 8	- 11	+ 13	+ 10	0	+ 10	+ 47	+ 74	+ 77	+ 64	+ 48	+ 47	+ 62	+ 62	+ 42	+ 8	- 33	- 44	- 81	- 72	- 75	- 80	- 92	- 66
July	- 7	- 5	+ 5	+ 2	+ 2	+ 11	+ 31	+ 69	+ 79	+ 89	+ 73	+ 52	+ 25	+ 38	+ 21	- 16	- 42	- 48	- 66	- 84	- 83	- 62	- 61	- 31
August	- 33	- 30	- 36	- 23	- 24	- 15	+ 19	+ 66	+ 97	+ 117	+ 101	+ 86	+ 40	+ 20	+ 2	- 4	- 28	- 42	- 62	- 55	- 62	- 47	- 46	- 43
September	+ 15	+ 6	- 1	- 3	- 20	- 10	+ 8	+ 25	+ 58	+ 75	+ 89	+ 65	+ 32	+ 25	+ 4	+ 9	- 13	- 33	- 59	- 48	- 57	- 63	- 55	- 46
October	- 1	- 4	- 7	- 2	- 10	- 26	- 37	- 15	+ 7	+ 46	+ 51	+ 47	+ 46	+ 27	+ 15	+ 20	+ 15	+ 1	- 35	- 26	- 33	- 28	- 26	- 23
November	+ 17	+ 33	+ 32	+ 15	- 4	- 19	- 35	- 23	- 7	+ 42	+ 58	+ 51	+ 32	- 3	- 16	- 22	- 11	- 16	- 12	- 31	- 35	- 28	- 10	- 14
December	+ 36	+ 33	+ 34	+ 17	- 3	- 14	- 18	- 11	- 11	- 7	+ 11	- 2	- 17	- 12	- 4	- 2	- 8	- 15	- 12	- 3	+ 3	+ 4	+ 1	- 5
Year	+ 1	+ 5	+ 8	+ 6	- 2	- 6	+ 1	+ 17	+ 35	+ 55	+ 59	+ 49	+ 30	+ 17	+ 5	- 5	- 16	- 27	- 40	- 39	- 41	- 38	- 41	- 35
Winter	+ 28	+ 32	+ 29	+ 17	0	- 16	- 31	- 33	- 21	+ 11	+ 29	+ 28	+ 17	+ 1	- 6	- 11	- 8	- 10	- 10	- 12	- 10	- 11	- 6	- 10
Equinox	- 1	+ 4	+ 2	+ 3	- 4	- 8	- 2	+ 13	+ 40	+ 65	+ 77	+ 65	+ 40	+ 17	0	+ 2	- 7	- 27	- 48	- 40	- 44	- 42	- 54	- 50
Summer	- 24	- 22	- 8	- 4	- 2	+ 7	+ 35	+ 72	+ 86	+ 89	+ 72	+ 54	+ 35	+ 32	+ 20	- 5	- 34	- 43	- 61	- 64	- 68	- 60	- 62	- 45

HORIZONTAL INTENSITY (Unit 0.1γ)

January	- 67	- 75	- 43	- 33	- 15	+ 13	+ 45	+ 57	+ 55	- 7	- 27	- 59	- 57	- 9	+ 27	+ 35	+ 29	+ 25	+ 37	+ 47	+ 17	+ 11	+ 1	- 5
February	- 25	- 31	- 43	- 35	- 11	+ 23	+ 53	+ 87	+ 45	- 9	- 57	- 49	- 55	- 49	- 17	+ 1	+ 7	+ 5	+ 13	+ 7	+ 29	+ 45	+ 37	+ 31
March	+ 31	- 21	- 25	- 17	- 1	+ 27	+ 35	+ 33	- 21	- 83	- 151	-147	-103	- 65	- 23	- 29	+ 13	+ 69	+ 83	+ 87	+ 71	+ 73	+ 75	+ 89
April	- 5	+ 1	+ 5	+ 1	- 5	- 17	- 41	- 65	-111	-159	-183	- 195	-141	- 39	+ 17	+ 71	+ 71	+ 99	+119	+101	+109	+ 89	+ 161	+119
May	+ 76	+ 58	+ 18	+ 12	+ 4	- 10	- 46	-106	-140	- 156	-150	-114	- 88	- 56	- 38	+ 24	+ 78	+ 96	+ 84	+ 98	+ 98	+ 94	+ 84	+ 74
June	+ 16	+ 14	- 18	- 4	+ 26	+ 8	- 60	-112	-140	-142	-120	-128	- 150	-130	- 76	+ 2	+ 76	+ 92	+ 158	+138	+138	+140	+154	+110
July	+ 15	+ 9	- 5	+ 4	+ 17	+ 1	- 35	- 91	-123	- 159	-143	-127	- 87	- 93	- 51	+ 19	+ 73	+ 89	+123	+ 155	+145	+111	+105	+ 55
August	+ 44	+ 38	+ 44	+ 28	+ 40	+ 30	- 16	- 88	-146	- 194	-188	-184	-116	- 58	- 4	+ 28	+ 70	+ 96	+ 120	+110	+112	+ 88	+ 82	+ 70
September	- 11	- 1	+ 11	+ 13	+ 41	+ 25	+ 5	- 27	- 93	-141	- 173	-149	- 91	- 63	- 15	- 7	+ 31	+ 65	+105	+ 91	+ 99	+ 105	+ 93	+ 79
October	+ 13	+ 13	+ 13	+ 5	+ 25	+ 43	+ 63	+ 31	- 15	- 91	-121	- 121	-105	- 59	- 27	- 13	- 7	+ 19	+ 73	+ 57	+ 61	+ 55	+ 49	+ 37
November	- 30	- 56	- 54	- 28	+ 4	+ 32	+ 52	+ 36	+ 12	- 66	- 100	- 98	- 66	- 4	+ 28	+ 36	+ 28	+ 34	+ 30	+ 56	+ 64	+ 50	+ 26	+ 24
December	- 53	- 57	- 55	- 29	+ 1	+ 21	+ 27	+ 15	+ 9	+ 1	- 19	- 1	+ 23	+ 18	+ 5	+ 7	+ 23	+ 31	+ 29	+ 13	+ 5	- 3	- 3	+ 1
Year	+ 0	- 9	- 13	- 7	+ 11	+ 16	+ 7	- 19	- 56	-101	- 119	-114	- 86	- 51	- 15	+ 15	+ 41	+ 60	+ 81	+ 80	+ 79	+ 72	+ 72	+ 57
Winter	- 44	- 55	- 49	- 31	- 5	+ 22	+ 44	+ 49	+ 30	- 20	- 51	- 52	- 39	- 11	+ 11	+ 20	+ 22	+ 24	+ 27	+ 31	+ 29	+ 26	+ 15	+ 13
Equinox	+ 7	- 2	+ 1	+ 1	+ 15	+ 20	+ 16	- 7	- 60	-119	- 157	-153	-110	- 57	- 12	+ 6	+ 27	+ 63	+ 95	+ 84	+ 85	+ 81	+ 95	+ 81
Summer	+ 38	+ 30	+ 10	+ 10	+ 22	+ 7	- 39	- 99	-137	- 163	-150	-138	-110	- 84	- 42	+ 18	+ 74	+ 93	+121	+ 125	+123	+108	+106	+ 77

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

International Quiet Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1952	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	−55	−65	−33	−27	−5	+22	+51	+65	+65	+2	−28	−69	−79	−38	+6	+17	+15	+9	+28	+51	+21	+20	+18	+10
February	−18	−27	−39	−31	−7	+29	+60	+98	+57	+1	−55	−57	−74	−73	−38	−14	+1	−4	+9	+10	+41	+53	+42	+37
March	+38	−11	−16	−8	+7	+35	+47	+53	+3	−61	−146	−163	−134	−102	−56	−52	+3	+59	+75	+86	+77	+80	+85	+99
April	+6	+5	+17	+16	+15	+5	−14	−31	−71	−129	−177	−217	−185	−92	−27	+35	+44	+79	+103	+98	+110	+103	+171	+137
May	+83	+64	+28	+28	+28	+23	−8	−65	−102	−134	−155	−144	−136	−105	−76	−3	+61	+83	+79	+95	+95	+91	+87	+78
June	+19	+21	−8	+6	+48	+41	−17	−69	−99	−112	−112	−143	−182	−169	−113	−31	+44	+67	+139	+125	+131	+135	+153	+117
July	+32	+27	+16	+22	+38	+32	+2	−57	−93	−138	−138	−139	−118	−131	−90	−16	+43	+65	+107	+140	+133	+106	+103	+62
August	+47	+44	+52	+44	+59	+54	+18	−44	−100	−164	−188	−213	−163	−108	−46	+2	+56	+88	+115	+107	+105	+86	+82	+74
September	+2	+10	+25	+29	+59	+42	+25	−0	−61	−119	−173	−176	−135	−105	−53	+33	+14	+56	+99	+91	+100	+105	+100	+90
October	+27	+23	+24	+15	+35	+51	+75	+47	+10	−70	−121	−145	−138	−92	−56	−33	−28	+3	+74	+57	+64	+63	+62	+52
November	−19	−46	−46	−22	+8	+40	+59	+44	+21	−55	−103	−116	−91	−24	+15	+27	+20	+24	+21	+56	+67	+56	+38	+36
December	−46	−49	−47	−24	+4	+24	+28	+18	+9	−3	−27	−12	+11	+6	−3	0	+18	+26	+26	+16	+11	+6	+5	+10
Year	+9	0	−3	+4	+25	+33	+27	+5	−30	−82	−118	−132	−118	−87	−45	−8	+24	+46	+73	+78	+80	+76	+79	+67
Winter	−35	−47	−42	−26	+1	+29	+49	+57	+38	−14	−53	−64	−59	−32	−5	+8	+14	+14	+21	+33	+35	+34	+25	+23
Equinox	+18	+7	+12	+13	+29	+34	+34	+17	−30	−95	−154	−175	−148	−98	−48	−20	+8	+49	+88	+83	+88	+88	+105	+94
Summer	+46	+39	+22	+25	+43	+37	−1	−59	−98	−137	−148	−160	−149	−128	−81	−12	+51	+75	+110	+116	+116	+104	+106	+82

WEST COMPONENT (Unit 0.1γ)

January	−82	−70	−68	−42	−66	−54	−32	−48	−59	−55	+2	+56	+133	+180	+131	+115	+93	+100	+59	−19	−24	−58	−104	−92
February	−47	−26	−26	−26	−27	−37	−42	−63	−73	−64	−19	+44	+115	+149	+128	+92	+38	+56	+26	−16	−73	−44	−29	−33
March	−43	−64	−60	−60	−52	−50	−73	−125	−151	−142	−43	+86	+184	+226	+208	+143	+64	+70	+57	+11	−33	−37	−56	−56
April	−71	−28	−72	−95	−126	−138	−173	−217	−259	−202	−53	+126	+267	+327	+279	+229	+177	+135	+109	+25	+1	−80	−53	−106
May	−39	−35	−61	−97	−148	−207	−244	−265	−246	−152	+20	+181	+292	+303	+238	+173	+110	+91	+41	+28	+25	+25	−10	−19
June	−16	−44	−61	−60	−134	−205	−274	−279	−267	−197	−57	+83	+187	+234	+223	+204	+203	+165	+128	+89	+52	+43	+15	−32
July	−105	−111	−130	−115	−131	−194	−233	−219	−195	−144	−40	+68	+185	+230	+240	+221	+191	+159	+110	+106	+85	+40	+19	−39
August	−18	−34	−48	−98	−116	−147	−217	−280	−301	−202	−12	+168	+288	+309	+264	+167	+94	+59	+42	+30	+49	+18	+9	−20
September	−82	−72	−84	−98	−110	−104	−125	−174	−206	−149	−13	+157	+271	+260	+234	+162	+106	+63	+48	+7	+3	+6	−36	−60
October	−84	−63	−70	−60	−60	−44	−69	−95	−158	−136	−11	+140	+198	+201	+181	+126	+128	+104	−1	+5	−13	−48	−78	−88
November	−70	−68	−54	−38	−28	−47	−42	−45	−55	−71	+14	+104	+149	+125	+84	+62	+50	+67	+56	+3	−14	−33	−72	−72
December	−48	−56	−54	−32	−21	−20	−6	−20	−1	+28	+46	+71	+80	+75	+52	+42	+33	+36	+22	−19	−38	−57	−52	−53
Year	−59	−56	−66	−69	−85	−104	−127	−153	−164	−124	−14	+107	+196	+218	+189	+144	+107	+92	+58	+21	+2	−19	−37	−56
Winter	−62	−55	−51	−35	−36	−39	−31	−44	−48	−41	+11	+69	+119	+132	+99	+78	+53	+65	+41	−13	−37	−48	−64	−63
Equinox	−70	−57	−72	−78	−87	−84	−110	−153	−193	−157	−30	+127	+230	+254	+225	+165	+119	+93	+53	+12	−11	−40	−55	−77
Summer	−44	−56	−75	−93	−132	−188	−242	−261	−252	−174	−22	+125	+238	+269	+241	+191	+150	+118	+80	+63	+53	+32	+8	−28

VERTICAL COMPONENT (Unit 0.1γ)

January	−4	−16	−12	−18	−16	−8	−10	−6	−4	−6	−10	−10	−38	−34	+6	+12	+22	+18	+24	+30	+32	+24	+18	−6
February	−7	−17	−15	−17	−17	−13	−15	−1	+3	−7	−21	−25	−45	−33	+1	+11	+25	+21	+31	+49	+47	+33	+13	−5
March	−13	−17	+1	+7	+13	+19	+25	+37	+7	−41	−83	−97	−89	−65	−23	+19	+59	+49	+45	+49	+43	+31	+23	+1
April	+12	+16	+6	+18	+24	+22	+38	+36	+12	−38	−114	−186	−194	−134	−52	+6	+32	+68	+84	+92	+78	+82	+60	+32
May	+14	−6	−2	+16	+54	+46	+46	+32	0	−64	−122	−158	−160	−98	−32	+24	+64	+80	+76	+68	+40	+34	+24	+20
June	+11	−5	+5	+25	+61	+55	+25	−3	−59	−107	−111	−135	−133	−87	−29	+31	+63	+61	+85	+69	+59	+49	+37	+27
July	+9	+5	+5	+17	+47	+39	+27	+27	−11	−59	−79	−113	−115	−85	−45	−11	+25	+41	+57	+67	+49	+41	+31	+21
August	−14	−16	−24	−14	+10	+18	+30	+24	−4	−46	−86	−130	−132	−66	−2	+52	+66	+76	+62	+66	+46	+42	+30	+14
September	+28	+18	+22	+20	+26	+24	+38	+24	−16	−66	−92	−120	−100	−58	−22	+16	+28	+36	+38	+44	+32	+26	+26	+24
October	+25	+17	+5	+5	+25	+9	+19	+19	−11	−53	−105	−117	−83	−43	−11	+39	+35	+49	+49	+41	+27	+29	+23	+7
November	−12	−16	−14	−12	−6	+10	0	+4	+4	−6	−32	−52	−42	−20	+8	+6	+26	+22	+28	+24	+28	+20	+24	+8
December	+3	−17	−11	−9	−7	−1	−1	−3	−19	−21	−7	−9	−5	+1	−3	+9	+27	+19	+25	+21	+23	+7	−3	−15
Year	+4	−5	−3	+3	+18	+18	+19	+16	−8	−43	−72	−96	−95	−60	−17	+18	+39	+45	+50	+52	+42	+35	+26	+11
Winter	−5	−17	−13	−14	−12	−3	−7	−2	−4	−10	−18	−24	−33	−22	+3	+10	+25	+20	+27	+31	+33	+21	+13	−5
Equinox	+13	+9	+9	+13	+22	+19	+30	+29	−2	−50	−99	−130	−117	−75	−27	+20	+39	+51	+54	+57	+45	+42	+33	+16
Summer	+5	−6	−4	+11	+43	+40	+32	+20	−19	−69	−100	−134	−135	−84	−27	+24	+55	+65	+70	+68	+49	+42	+31	+21

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

International Disturbed Days

DECLINATION WEST (Unit 0.'01)

Month and Season, 1952	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	-223	-125	- 15	+ 45	+ 31	+137	+235	+ 87	+ 33	+169	+193	+377	+421	+497	+383	+407	+249	- 49	-267	-277	-817	-531	-495	-471
February	-300	-370	-454	-576	-376	- 66	+ 42	+280	+274	+252	+396	+582	+668	+634	+602	+438	+236	+ 62	+ 74	-426	-604	-444	-642	-274
March	-584	-524	-506	-162	-244	+150	- 8	- 50	+142	+352	+368	+540	+628	+582	+678	+558	+288	-150	+ 52	-338	-434	-296	-390	-648
April	-400	-536	-600	-556	-486	-318	-248	-172	- 48	-116	+196	+460	+788	+1030	+1298	+1008	+564	+278	-156	-358	-548	-330	-502	-252
May	-453	-581	-195	-201	-227	-141	-245	-133	- 77	- 15	+333	+543	+747	+743	+587	+447	+409	+201	+ 17	-341	-389	-323	-507	-189
June	-303	-337	-653	-575	-471	-325	-485	-489	-371	- 75	+201	+493	+755	+917	+727	+595	+413	+305	+ 77	+ 49	+ 81	-109	-321	- 97
July	-286	-242	-248	-326	-286	-370	-286	-232	-256	-180	+ 24	+250	+542	+562	+750	+512	+426	+268	+122	+ 42	-106	-192	-192	-308
August	-334	-186	-428	-262	-148	-264	-414	-394	-318	-150	+146	+420	+604	+690	+716	+680	+434	+200	+128	-174	-278	-218	-288	-170
September	-348	-420	- 84	-182	-154	+ 66	+220	+ 94	+ 34	+122	+230	+472	+590	+548	+426	+182	-292	- 22	+ 18	-184	-444	-392	-322	-166
October	-435	-445	- 93	-251	+ 89	+431	+631	+305	+169	+ 71	+231	+397	+547	+585	+429	+285	-393	- 31	-297	-555	-511	-389	-489	-289
November	+150	- 12	+ 24	+ 96	+ 18	+ 94	+238	+240	+224	+298	+332	+336	+300	+288	+250	+160	-110	- 52	-316	-682	-542	-484	-506	-356
December	-391	-321	-203	- 53	- 45	+ 71	+157	+117	+149	+207	+353	+333	+409	+295	+ 89	+243	- 67	- 73	-199	-397	-331	-187	- 97	- 53
Year	-326	-342	-288	-250	-192	- 45	- 14	- 29	- 4	+ 78	+250	+434	+583	+614	+578	+460	+180	+ 78	- 62	-303	-410	-325	-396	-273
Winter	-191	-207	-162	-122	- 93	+ 59	+168	+181	+170	+232	+319	+407	+450	+429	+331	+312	+ 77	- 28	-177	-446	-574	-412	-435	-289
Equinox	-442	-481	-321	-288	-199	+ 82	+149	+ 44	+ 74	+107	+256	+467	+638	+686	+708	+508	+ 42	+ 19	- 96	-359	-484	-352	-426	-339
Summer	-344	-337	-381	-341	-283	-275	-358	-312	-256	-105	+176	+427	+662	+728	+695	+559	+421	+244	+ 86	-106	-173	-211	-327	-191

INCLINATION (Unit 0.'01)

January	-118	-117	-104	-148	-161	-177	-201	-174	-114	- 10	+ 41	+ 61	+ 88	+128	+226	+136	+186	+244	+135	+149	+ 50	- 7	- 72	- 34
February	-164	-145	-104	- 84	- 62	-116	-172	- 87	- 3	+ 8	+ 48	+ 40	+ 61	+ 85	+ 62	+ 96	+133	+158	+108	- 50	+ 73	+ 51	+ 46	+ 14
March	- 42	- 73	-133	-122	-106	-151	-119	- 29	+ 20	+ 84	+200	+ 97	+ 66	+ 3	+ 30	+121	+139	+135	+111	+ 30	- 70	+ 12	- 87	-122
April	- 97	-187	- 67	- 34	- 49	- 74	- 79	+ 1	- 1	+155	+158	+ 76	+ 10	- 12	+ 55	+131	+113	+ 66	+130	+ 45	- 63	+ 1	- 62	-216
May	-242	-175	-135	- 55	- 53	- 5	+ 55	+165	+238	+272	+207	+137	+132	+ 60	+ 56	+ 77	- 64	- 92	-162	-138	- 41	- 2	-117	-112
June	-216	-179	-226	-205	-230	- 20	+ 60	+167	+305	+261	+168	+147	+150	+141	+ 83	+ 38	+ 15	+ 25	- 46	- 72	- 89	-100	- 91	- 95
July	- 96	- 81	- 76	- 72	- 67	- 14	- 40	+100	+ 33	+ 81	+ 77	+156	+ 66	+123	+ 77	+ 85	+ 32	- 24	- 58	- 43	- 90	- 65	- 37	- 61
August	- 25	- 49	- 64	- 61	- 30	- 72	- 67	- 30	- 5	+ 6	+ 14	+ 34	+ 34	+ 47	+ 49	+103	+ 70	+ 57	+ 12	+ 13	- 35	+ 9	- 25	+ 11
September	-134	-165	-212	-175	-100	- 82	- 43	+ 73	+134	+195	+260	+211	+134	+181	+ 86	+124	+ 63	+ 9	+ 9	- 83	-176	- 54	- 90	-175
October	-116	-164	- 99	-138	-225	-152	-107	- 24	0	+ 9	- 9	+ 59	+132	+115	+156	+242	+283	+226	+102	+ 4	+ 12	- 1	-163	-139
November	-119	- 94	- 60	-100	-117	-150	-146	- 90	- 14	- 8	- 8	+ 50	+ 95	+ 98	+121	+125	+180	+109	+ 69	+ 40	- 2	+ 21	+ 26	- 19
December	- 99	-131	- 13	- 21	- 38	-147	-114	- 77	- 28	+ 28	- 1	- 6	+ 16	+ 56	+149	+131	+188	+151	+115	+ 77	- 22	- 19	-113	- 87
Year	-123	-130	-107	-102	-103	- 96	- 81	- 1	+ 47	+ 90	+ 96	+ 89	+ 82	+ 85	+ 96	+118	+112	+ 88	+ 44	- 2	- 38	- 13	- 66	- 86
Winter	-125	-121	- 70	- 89	- 95	-148	-158	-107	- 40	+ 5	+ 20	+ 36	+ 65	+ 92	+140	+122	+173	+166	+107	+ 54	+ 24	+ 11	- 28	- 32
Equinox	- 98	-147	-128	-118	-120	-115	- 88	+ 6	+ 38	+111	+152	+111	+ 86	+ 71	+ 82	+155	+149	+109	+ 88	- 1	- 74	- 11	-100	-163
Summer	-145	-121	-125	- 98	- 95	- 28	+ 2	+100	+142	+155	+116	+118	+ 96	+ 93	+ 67	+ 76	+ 13	- 8	- 63	- 60	- 64	- 39	- 67	- 64

HORIZONTAL INTENSITY (Unit 0.1γ)

January	+123	+117	+ 97	+159	+169	+195	+233	+203	+121	- 31	- 91	-117	-145	-175	-271	-111	-175	-247	- 79	-131	- 1	+ 27	+107	+ 17
February	+196	+136	+ 70	+ 22	+ 18	+112	+204	+ 72	- 44	- 58	-112	- 84	- 88	- 88	- 32	- 66	- 90	-106	- 50	+158	- 58	- 30	- 52	- 24
March	- 50	- 70	+ 18	+ 22	0	+102	+ 74	- 8	- 68	-158	-326	-140	- 76	+ 34	+ 32	- 26	+ 10	+ 24	+ 8	+106	+206	+ 50	+130	+110
April	+ 76	+194	- 20	- 36	- 8	+ 36	+ 50	- 68	- 64	-296	-294	-174	- 70	- 6	- 56	-106	+ 32	+148	+ 48	+122	+180	+ 24	+ 78	+214
May	+187	+ 59	- 5	- 81	- 17	- 65	-131	-289	-385	-441	-341	-229	-195	- 31	+ 41	+ 59	+311	+345	+433	+343	+145	+ 35	+157	+ 93
June	+307	+227	+273	+219	+245	-119	-223	-365	-545	-451	-289	-239	-215	-181	- 37	+ 63	+111	+ 93	+197	+209	+209	+205	+169	+145
July	+117	+ 85	+ 75	+ 73	+ 53	- 29	+ 25	-197	- 99	-173	-169	-301	-145	-195	- 63	- 27	+ 65	+149	+187	+143	+181	+115	+ 51	+ 71
August	+ 30	+ 44	+ 54	+ 56	+ 8	+ 66	+ 70	+ 24	- 20	- 48	- 78	-116	-110	-106	- 72	-114	- 28	+ 8	+ 66	+ 54	+110	+ 30	+ 72	+ 2
September	+ 74	+146	+196	+154	+ 74	+ 58	+ 18	-142	-216	-308	-398	-314	-170	-208	- 46	- 70	+ 60	+108	+ 82	+208	+306	+ 90	+120	+190
October	+ 68	+142	+ 34	+106	+254	+150	+ 84	- 12	- 32	- 34	- 4	-106	-186	-136	-148	-224	-246	-184	- 26	+ 66	+ 28	+ 28	+228	+142
November	+135	+ 89	+ 53	+113	+147	+203	+189	+109	+ 1	- 11	- 23	- 95	-133	-113	-139	-139	-205	- 99	- 45	- 11	+ 37	- 23	- 47	+ 1
December	+126	+150	- 24	- 8	+ 22	+184	+126	+ 80	+ 6	- 74	- 22	- 4	- 20	- 58	-170	-136	-212	-158	-108	- 58	+ 72	+ 40	+158	+ 96
Year	+116	+110	+ 68	+ 67	+ 80	+ 74	+ 60	- 49	-112	-174	-179	-160	-129	-105	- 80	- 75	- 31	+ 7	+ 59	+101	+118	+ 49	+ 98	+ 88
Winter	+145	+123	+ 49	+ 72	+ 89	+174	+188	+116	+ 21	- 44	- 62	- 75	- 97	-109	-153	-113	-171	-153	- 71	- 11	+ 13	+ 4	+ 42	+ 23
Equinox	+ 42	+103	+ 57	+ 62	+ 80	+ 87	+ 57	- 58	- 95	-199	-256	-184	-126	- 79	- 55	-107	- 36	+ 24	+ 28	+126	+180	+ 48	+139	+164
Summer	+160	+104	+ 99	+ 67	+ 72	- 37	- 65	-207	-262	-278	-219	-221	-166	-128	- 33	- 5	+115	+149	+221	+187	+161	+ 96	+112	+ 78

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

International Disturbed Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1952	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	+141	+126	+ 97	+153	+164	+181	+210	+193	+117	- 45	-106	-148	-179	-215	-300	-144	-194	-240	- 55	-106	+ 69	+ 72	+148	+ 57
February	+219	+166	+108	+ 71	+ 50	+116	+198	+ 47	- 67	- 79	-144	-133	-144	-141	- 83	-103	-109	-110	- 56	+192	- 5	+ 8	+ 4	0
March	+ 1	- 24	+ 61	+ 36	+ 21	+ 88	+ 74	- 4	- 79	-186	-353	-184	-129	- 16	- 27	- 73	- 15	+ 37	+ 3	+134	+241	+ 75	+162	+164
April	+109	+237	+ 32	+ 12	+ 34	+ 63	+ 71	- 52	- 59	-282	-307	-211	-137	- 94	-167	-191	- 17	+122	+ 61	+151	+225	+ 52	+120	+233
May	+223	+108	+ 12	- 63	+ 3	- 52	-108	-274	-373	-434	-365	-273	-256	- 94	- 10	+ 20	+272	+323	+426	+368	+176	+ 62	+198	+108
June	+329	+253	+325	+265	+282	- 90	-179	-318	-506	-439	-302	-278	-277	-257	- 99	+ 11	+ 74	+ 66	+188	+202	+199	+212	+194	+151
July	+140	+105	+ 95	+100	+ 77	+ 3	+ 49	-175	- 76	-155	-169	-319	-190	-241	-126	- 71	+ 28	+124	+174	+138	+188	+130	+ 67	+ 96
August	+ 58	+ 59	+ 90	+ 78	+ 21	+ 88	+105	+ 57	+ 8	- 35	- 89	-150	-160	-164	-132	-171	- 65	- 9	+ 54	+ 68	+132	+ 48	+ 96	+ 17
September	+103	+180	+201	+168	+ 86	+ 52	- 1	-148	-216	-314	-413	-350	-218	-252	- 82	- 85	+ 84	+108	+ 79	+221	+340	+122	+146	+202
October	+104	+178	+ 42	+126	+243	+111	+ 29	- 38	- 46	- 40	- 24	-139	-230	-184	-183	-246	-209	-179	0	+113	+ 71	+ 61	+267	+165
November	+120	+ 89	+ 50	+103	+144	+192	+166	+ 87	- 18	- 36	- 51	-123	-157	-136	-159	-151	-193	- 93	- 17	+ 48	+ 83	+ 19	- 3	+ 31
December	+158	+176	- 6	- 3	+ 26	+176	+110	+ 69	- 7	- 91	- 52	- 32	- 55	- 83	-175	-155	-204	-150	- 90	- 23	+ 99	+ 56	+164	+ 99
Year	+142	+138	+ 92	+ 88	+ 95	+ 77	+ 60	- 46	-110	-178	-198	-195	-177	-156	-128	-113	- 46	0	+ 64	+126	+152	+ 76	+131	+110
Winter	+159	+139	+ 62	+ 82	+ 96	+167	+171	+ 99	+ 6	- 63	- 89	-109	-134	-144	-179	-138	-175	-149	- 55	+ 27	+ 62	+ 39	+ 79	+ 47
Equinox	+ 79	+143	+ 84	+ 86	+ 96	+ 79	+ 43	- 61	-100	-206	-275	-222	-179	-137	-115	-149	- 39	+ 22	+ 36	+155	+219	+ 78	+174	+191
Summer	+187	+132	+130	+ 95	+ 95	- 13	- 33	-178	-237	-265	-231	-255	-221	-189	- 92	- 53	+ 77	+126	+211	+194	+174	+113	+139	+ 93

WEST COMPONENT (Unit 0.1γ)

January	-100	- 49	+ 7	+ 49	+ 43	+104	+163	+ 79	+ 37	+ 86	+ 89	+184	+203	+239	+163	+201	+106	- 65	-156	-169	-438	-281	-249	-250
February	-130	-177	-232	-305	-199	- 18	+ 55	+162	+140	+126	+195	+299	+344	+326	+318	+224	+112	+ 17	+ 32	-204	-333	-243	-353	-151
March	-321	-292	-269	- 83	-131	+ 97	+ 7	- 28	+ 65	+164	+146	+267	+325	+317	+369	+295	+156	- 77	+ 29	-165	-200	-151	-189	-330
April	-203	-257	-325	-304	-262	-165	-125	-103	- 36	-109	+ 59	+219	+412	+551	+687	+524	+308	+172	- 76	-173	-265	-173	-257	-101
May	-213	-302	-105	-121	-124	- 86	-152	-117	-102	- 78	+125	+255	+370	+394	+321	+249	+268	+162	+ 78	-129	-186	-168	-247	- 87
June	-114	-145	-307	-274	-214	-193	-295	-320	-285	-111	+ 62	+227	+371	+463	+384	+329	+239	+178	+ 72	+ 59	+ 76	- 26	-145	- 29
July	-135	-116	-121	-163	-145	-203	-149	-156	-153	-124	- 14	+ 87	+268	+271	+392	+270	+239	+167	+ 95	+ 45	- 28	- 85	- 95	-154
August	-174	- 93	-221	-132	- 78	-131	-211	-208	-174	- 88	+ 66	+207	+307	+353	+373	+347	+228	+109	+ 79	- 85	-132	-112	-143	- 91
September	-175	-202	- 14	- 73	- 71	+ 45	+121	+ 28	- 16	+ 17	+ 60	+204	+290	+261	+221	+ 87	-147	+ 5	+ 23	- 66	-190	-196	-154	- 59
October	-223	-216	- 45	-118	+ 88	+255	+352	+162	+ 86	+ 33	+123	+196	+264	+292	+207	+117	-250	- 46	-163	-287	-270	-204	-226	-133
November	+102	+ 8	+ 21	+ 69	+ 33	+ 82	+158	+146	+120	+158	+174	+165	+140	+137	+112	+ 64	- 91	- 44	-177	-367	-285	-263	-279	-191
December	-190	-148	-113	- 30	- 21	+ 67	+104	+ 75	+ 81	+ 99	+186	+178	+216	+149	+ 21	+109	- 69	- 64	-124	-222	-166	- 94	- 27	- 13
Year	-157	-166	-144	-123	- 90	- 12	+ 2	- 23	- 20	+ 14	+106	+207	+292	+313	+297	+235	+ 92	+ 43	- 24	-147	-201	-167	-197	-133
Winter	- 80	- 92	- 79	- 54	- 36	+ 59	+120	+115	+ 94	+117	+161	+206	+226	+213	+153	+149	+ 14	- 39	-106	-241	-306	-220	-227	-151
Equinox	-230	-242	-163	-145	- 94	+ 58	+ 89	+ 14	+ 25	+ 26	+ 97	+221	+322	+355	+371	+256	+ 17	+ 14	- 47	-173	-231	-181	-207	-156
Summer	-159	-164	-189	-172	-140	-153	-202	-200	-179	-100	+ 60	+194	+329	+370	+368	+299	+244	+154	+ 81	- 27	- 67	- 98	-158	- 90

VERTICAL COMPONENT (Unit 0.1γ)

January	-124	-134	-136	-146	-168	-160	-156	-134	-114	-106	- 68	- 60	- 32	+ 38	+154	+214	+240	+272	+286	+212	+172	+ 40	0	- 80
February	-114	-186	-198	-240	-172	-142	-124	-136	-112	-108	- 94	- 56	+ 8	+ 90	+140	+180	+254	+302	+258	+194	+118	+108	+ 40	- 6
March	-261	-415	-419	-373	-369	-287	-241	-119	- 89	- 75	- 63	+ 13	+ 53	+ 91	+179	+361	+505	+523	+403	+351	+235	+157	- 1	-167
April	-161	-197	-279	-203	-189	-175	-159	-153	-151	-149	-135	-141	-129	- 55	+ 61	+209	+465	+573	+563	+441	+199	+ 59	- 33	-253
May	-407	-471	-479	-379	-223	-167	-115	- 99	- 69	- 79	- 75	- 55	+ 5	+135	+289	+403	+501	+483	+443	+317	+193	+ 73	- 41	-173
June	- 37	- 95	-149	-203	-229	-347	-309	-269	-207	-141	- 87	- 45	+ 23	+ 69	+203	+279	+309	+303	+299	+237	+175	+129	+ 77	+ 7
July	- 62	- 84	- 90	- 82	-108	-116	- 82	-112	-114	-120	-126	-156	-108	- 26	+122	+234	+262	+264	+234	+184	+108	+ 40	- 10	- 46
August	- 18	- 68	- 96	- 80	- 86	- 98	- 70	- 50	- 64	- 92	-132	-152	-136	- 82	+ 4	+ 94	+178	+218	+196	+170	+134	+100	+ 82	+ 44
September	-295	-233	-281	-249	-175	-151	-109	- 75	- 35	- 39	- 23	+ 3	+ 71	+145	+193	+269	+357	+283	+223	+195	+ 99	+ 23	- 33	-167
October	-246	-238	-264	-232	-190	-180	-178	-112	- 76	- 46	- 42	- 40	+ 26	+ 84	+198	+320	+410	+356	+294	+168	+106	+ 62	- 36	-152
November	-100	-118	- 84	- 84	- 66	- 50	- 68	- 60	- 48	- 54	- 80	- 48	+ 20	+ 78	+ 96	+110	+150	+148	+136	+114	+ 78	+ 18	- 18	- 62
December	- 50	-106	-102	- 92	- 82	- 84	-104	- 80	- 82	- 76	- 56	- 30	+ 10	+ 60	+124	+140	+162	+156	+148	+132	+ 90	+ 28	- 26	- 80
Year	-156	-195	-215	-197	-171	-163	-143	-117	- 97	- 90	- 82	- 64	- 16	+ 52	+147	+234	+316	+323	+290	+226	+142	+ 70	+ 0	- 95
Winter	- 97	-136	-130	-141	-122	-109	-113	-103	- 89	- 86	- 75	- 49	+ 2	+ 67	+129	+161	+202	+220	+207	+163	+115	+ 49	- 1	- 57
Equinox	-241	-271	-311	-264	-231	-198	-172	-115	- 88	- 77	- 66	- 41	+ 5	+ 64	+158	+290	+434	+434	+371	+289	+160	+ 75	- 26	-185
Summer	-131	-180	-204	-186	-162	-182	-144	-133	-114	-108	-105	-102	- 54	+ 24	+155	+253	+313	+317	+293	+227	+153	+ 86	+ 27	- 42

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.	+ 4.9	+ 5.2	−2.9	−3.9	+1.2	−2.0	+0.2	+0.1	−12.0	+ 0.2	+0.2	+ 6.9	−1.2	−1.4	+1.0	+1.7	− 0.2	− 9.1	− 2.8	−0.4	+0.6	+0.4	−0.6	−0.3
Feb.	+ 6.7	+ 1.8	−3.2	−3.1	+1.9	−2.3	+0.1	+1.8	−15.1	− 0.8	+2.6	+ 5.8	−0.8	−1.4	+1.5	+1.4	− 1.7	−10.0	− 4.5	−0.9	+0.8	−0.3	−0.1	−0.1
March	+12.2	0.0	−4.0	−2.7	+1.4	−3.2	+0.8	+0.6	−16.8	− 5.4	+4.0	+ 9.0	−1.8	−4.0	+0.7	+0.4	− 1.8	−14.8	− 8.5	−1.8	+1.1	+0.1	−0.7	−0.5
April	+15.4	− 5.0	−4.9	−2.1	+2.1	−1.5	+0.9	+0.1	−15.5	−12.2	+5.3	+11.9	+0.7	−5.6	+0.8	+0.7	+ 1.0	−14.2	− 9.8	−1.9	+1.8	+1.6	0.0	−0.1
May	+14.9	−10.4	−4.8	+0.6	−0.2	0.0	+2.8	+0.6	−13.3	−16.1	+5.9	+ 8.4	−3.5	−1.8	+1.7	−0.5	+ 0.8	−12.6	−10.2	−1.7	+1.7	−1.3	0.0	−0.9
June	+16.5	− 6.2	−6.4	+0.6	−1.4	+0.5	+0.5	−1.2	− 8.8	−20.5	+5.0	+ 9.1	−3.0	−1.8	+1.1	+0.1	+ 3.5	−10.3	− 5.6	−0.7	+1.3	+0.4	−0.8	−0.3
July	+14.2	− 5.1	−6.8	−1.4	0.0	−0.1	+1.0	−0.4	− 7.2	−18.2	+2.2	+ 8.8	−2.6	−2.1	−0.2	+0.3	+ 3.7	− 7.0	− 6.9	−0.9	+1.6	+0.8	−0.4	−0.4
Aug.	+12.0	− 3.1	−5.1	0.0	+0.1	−1.4	+0.2	+1.1	−11.8	−15.7	+6.6	+10.5	−3.9	−3.7	+1.2	+0.4	+ 4.2	− 6.6	− 6.5	−1.8	+2.5	0.0	−0.2	−0.5
Sept.	+14.8	− 3.0	−5.2	+1.6	0.0	−2.8	+0.8	+0.3	−14.5	− 9.0	+3.4	+ 7.3	−3.6	−4.1	+2.7	+1.1	− 0.3	− 9.4	− 6.4	−0.9	+1.4	−0.1	−1.3	−0.2
Oct.	+ 9.9	+ 3.6	−2.6	−1.7	+0.7	−2.2	+0.2	+0.5	−13.5	− 2.6	+2.2	+ 8.9	−1.6	−4.5	+3.4	+0.7	+ 0.9	− 8.9	− 5.6	−1.0	+1.8	+0.1	−0.8	−0.3
Nov.	+ 5.1	+ 3.4	−3.6	−2.7	+0.5	−1.7	+1.0	+1.0	− 9.7	+ 0.7	+2.3	+ 4.6	−1.0	−0.5	+1.7	+0.5	+ 0.6	− 5.0	− 2.7	+0.3	+0.5	−0.6	−0.6	0.0
Dec.	+ 1.4	+ 4.2	−0.2	−3.2	−0.4	−2.3	+1.3	+0.6	−11.3	+ 1.2	+0.6	+ 2.6	−0.2	−0.2	+0.8	−0.8	+ 0.7	− 5.8	− 1.9	+0.4	−0.2	−0.2	−0.3	0.0
Year	+10.7	− 1.2	−4.1	−1.5	+0.5	−1.6	+0.8	+0.4	−12.5	− 8.2	+3.3	+ 7.8	−1.9	−2.6	+1.4	+0.5	+ 0.9	− 9.5	− 5.9	−0.9	+1.2	+0.1	−0.5	−0.3
Winter	+ 4.5	+ 3.6	−2.5	−3.2	+0.8	−2.1	+0.7	+0.9	−12.0	+ 0.4	+1.4	+ 5.0	−0.8	−0.9	+1.2	+0.7	− 0.2	− 7.5	− 3.0	−0.1	+0.4	−0.2	−0.4	−0.1
Equinox	+13.1	− 1.1	−4.2	−1.2	+1.1	−2.4	+0.7	+0.4	−15.1	− 7.3	+3.7	+ 9.2	−1.6	−4.6	+1.9	+0.7	0.0	−11.9	− 7.5	−1.4	+1.5	+0.4	−0.7	−0.3
Summer	+14.4	− 6.2	−5.8	−0.1	−0.4	−0.3	+1.2	0.0	−10.3	−17.6	+4.9	+ 9.2	−3.2	−2.4	+1.0	+0.1	+ 3.0	− 9.1	− 7.3	−1.3	+1.7	0.0	−0.4	−0.5
	INTERNATIONAL QUIET DAYS																							
Year	+ 7.1	− 1.4	−4.6	−0.8	+1.2	−1.2	+0.1	+0.2	− 7.0	−11.0	+3.6	+ 6.6	−3.2	−2.0	+1.5	+0.8	+ 3.7	− 2.0	− 4.0	−0.5	+1.4	−0.5	−0.5	−0.2
Winter	+ 1.2	+ 0.6	−3.4	−1.6	+1.6	−1.6	−0.4	+0.5	− 6.4	− 4.0	+0.6	+ 3.7	−1.4	−0.7	+1.3	+0.8	+ 0.8	− 2.1	− 1.4	−1.0	+0.3	−0.2	−0.4	−0.2
Equinox	+ 9.1	− 0.9	−5.2	−0.7	+1.8	−1.5	−0.1	+0.8	− 8.4	−11.6	+3.5	+ 8.2	−3.5	−3.3	+2.3	+1.3	+ 5.0	− 1.9	− 4.9	−0.4	+2.0	−0.5	−0.9	+0.2
Summer	+11.0	− 4.1	−5.1	0.0	+0.2	−0.4	+0.7	−0.7	− 6.3	−17.4	+6.7	+ 8.0	−4.5	−2.2	+1.0	+0.3	+ 5.3	− 2.1	− 5.9	−0.1	+1.8	−0.7	−0.3	−0.4
	INTERNATIONAL DISTURBED DAYS																							
Year	+16.5	− 1.8	−4.1	−0.7	−1.0	−1.6	+1.5	+1.2	−20.4	− 2.1	+3.2	+ 8.7	+0.2	−3.3	+2.4	+1.0	− 5.5	−21.7	− 8.3	−0.4	+1.6	+0.9	−0.1	−1.0
Winter	+11.6	+ 5.6	−2.1	−4.8	−0.1	−3.7	+1.6	+1.7	−19.0	+ 6.7	+2.7	+ 5.5	+2.8	−1.4	+2.8	+0.4	− 3.4	−15.6	− 5.1	+0.8	+0.4	0.0	0.0	+0.2
Equinox	+18.3	− 0.2	−4.4	+0.4	−1.2	−2.5	+1.1	+2.4	−23.9	+ 2.2	+2.1	+ 9.4	0.0	−6.1	+2.3	+2.4	−10.1	−28.1	−11.7	−2.2	+1.7	+1.8	+0.2	−2.0
Summer	+19.7	−10.8	−6.1	+2.5	−1.5	+1.1	+1.7	−0.4	−18.4	−15.2	+4.7	+11.2	−2.1	−2.3	+2.1	+0.1	− 3.1	−21.7	− 8.1	+0.4	+2.6	+0.7	−0.6	−1.2

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.	7.1	44	4.9	217	2.3	150	0.2	65	12.0	271	6.9	2	1.8	222	2.0	32	9.1	182	2.8	263	0.7	57	0.7	245
Feb.	6.9	75	4.5	227	3.0	142	1.8	5	15.1	267	6.4	25	1.6	211	2.1	49	10.1	190	4.6	259	0.9	112	0.1	227
March	12.2	90	4.8	237	3.5	158	1.0	55	17.6	253	9.8	25	4.4	205	0.8	62	14.9	187	8.7	259	1.1	86	0.9	236
April	16.2	108	5.3	248	2.6	127	0.9	85	19.7	232	13.0	25	5.6	174	1.1	50	14.2	176	10.0	260	2.4	50	0.1	182
May	18.2	125	4.8	278	0.2	271	2.9	79	20.9	220	10.3	36	3.9	244	1.8	108	12.6	177	10.3	261	2.1	129	0.9	182
June	17.6	111	6.4	276	1.5	291	1.3	159	22.3	204	10.4	30	3.5	240	1.1	86	10.9	162	5.6	264	1.4	74	0.9	251
July	15.1	110	6.9	259	0.1	181	1.1	113	19.6	202	9.1	15	3.3	232	0.4	328	7.9	152	7.0	263	1.8	65	0.6	227
Aug.	12.4	105	5.1	271	1.4	177	1.1	12	19.6	217	12.4	33	5.4	228	1.3	73	7.8	148	6.7	255	2.5	91	0.5	203
Sept.	15.1	102	5.4	288	2.8	181	0.9	71	17.1	239	8.1	26	5.5	222	2.9	69	9.4	182	6.5	263	1.4	95	1.3	263
Oct.	10.5	70	3.1	238	2.3	164	0.5	23	13.7	260	9.2	15	4.8	201	3.5	80	8.9	175	5.7	261	1.8	88	0.9	251
Nov.	6.1	57	4.5	234	1.8	165	1.4	47	9.7	274	5.1	27	1.1	245	1.8	75	5.0	174	2.7	277	0.8	141	0.6	272
Dec.	4.4	19	3.2	184	2.3	191	1.4	67	11.4	276	2.7	14	0.3	226	1.1	137	5.8	173	1.9	283	0.3	226	0.3	272
Year	10.8	97	4.4	251	1.7	164	0.9	65	14.9	237	8.5	24	3.2	217	1.5	72	9.5	175	6.0	262	1.2	86	0.6	241
Winter	5.8	52	4.1	219	2.2	160	1.1	39	12.0	272	5.2	16	1.2	223	1.4	61	7.5	182	3.0	269	0.4	118	0.4	258
Equinox	13.1	95	4.4	255	2.6	157	0.8	62	16.8	245	9.9	23	4.9	200	2.0	71	11.9	180	7.6	260	1.6	76	0.8	248
Summer	15.7	114	5.8	270	0.5	234	1.2	92	20.4	211	10.4	29	4.0	234	1.0	86	9.6	162	7.4	261	1.7	91	0.6	220
	INTERNATIONAL QUIET DAYS																							
Year	7.2	102	4.7	261	1.7	136	0.2	28	13.0	213	7.5	29	3.8	239	1.7	63	4.2	119	4.0	264	1.5	111	0.5	250
Winter	1.3	64	3.8	246	2.3	136	0.6	323	7.5	238	3.7	10	1.6	245	1.5	60	2.2	159	1.7	235	0.4	125	0.4	245
Equinox	9.1	96	5.2	263	2.3	131	0.8	354	14.3	216	8.9	24	4.8	228	2.6	62	5.3	111	4.9	266	2.1	105	0.9	284
Summer	11.7	111	5.1	271	0.4	155	1.0	137	18.5	200	10.4	41	5.0	245	1.0	75	5.7	112	5.9	270	1.9	112	0.5	218
	INTERNATIONAL DISTURBED DAYS																							
Year	16.6	97	4.2	261	1.9	213	1.9	53	20.5	264	9.3	21	3.3	178	2.6	69	22.4	195	8.3	268	1.8	62	1.0	187
Winter	12.9	65	5.2	204	3.7	183	2.3	45	20.1	290	6.1	27	3.1	118	2.8	83	16.0	193	5.2	280	0.4	91	0.2	2
Equinox	18.3	91	4.4	276	2.8	207	2.6	26	24.0	276	9.6	13	6.1	181	3.3	45	29.9	200	11.9	260	2.5	45	2.0	176
Summer	22.5	119	6.6	293	1.9	307	1.7	105	23.9	231	12.1	24	3.1	224	2.1	89	21.9	188	8.1	274	2.7	76	1.3	208

TABLE X. - RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF 1952

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	7.27	1.76	20.7	5.32	0.86	13.2	13.14	4.45	50.4	22.7	37.5	19.1	14.4	28.4	7.0	51.0	67.7	45.4
February	7.79	1.45	18.8	4.42	0.90	14.4	13.10	3.30	31.6	21.9	41.0	24.1	17.2	22.2	9.4	28.8	69.7	54.2
March	9.65	1.90	29.6	7.16	1.36	24.0	13.26	3.51	53.2	33.7	48.8	37.5	26.2	37.7	15.6	59.4	69.9	94.2
April	9.65	2.32	37.3	10.72	1.85	35.6	18.98	3.74	51.0	40.3	51.2	38.5	38.8	58.6	28.6	54.4	101.2	85.2
May	9.83	2.62	47.2	10.44	1.48	25.4	13.28	5.14	87.4	44.9	52.6	36.1	25.0	56.8	24.0	86.0	69.6	98.0
June	10.62	2.05	40.2	9.68	1.69	30.8	15.70	5.35	85.2	38.4	57.1	28.1	33.5	51.3	22.0	83.5	78.3	65.6
July	9.31	1.84	37.0	8.86	1.73	31.4	11.20	2.52	48.8	36.6	50.3	27.3	27.9	47.3	18.2	50.7	59.5	42.0
August	10.53	1.58	29.9	11.12	1.79	31.4	11.44	1.75	22.6	31.4	56.4	26.2	32.8	61.0	20.8	30.3	59.4	37.0
September	8.81	2.10	35.4	8.88	1.52	27.8	10.34	4.72	70.4	37.5	45.1	24.3	28.1	47.7	16.4	75.3	49.2	65.2
October	8.43	1.52	19.5	6.92	0.88	19.4	11.86	5.08	50.0	23.1	43.3	23.1	22.0	35.9	16.6	51.3	63.9	67.4
November	5.48	1.31	16.2	4.38	0.93	16.4	10.18	3.30	40.8	18.4	28.2	12.7	18.3	22.1	8.0	38.5	54.1	26.8
December	4.66	1.32	15.6	2.48	0.54	8.8	8.06	3.35	39.6	16.5	25.2	12.4	7.7	13.7	4.8	38.0	43.8	26.8
Year	8.50	1.81	29.0	7.53	1.29	23.2	12.54	3.85	52.6	30.4	44.7	25.8	24.3	40.2	16.0	53.9	65.5	59.0
Winter	6.30	1.46	17.8	4.15	0.81	13.2	11.12	3.60	40.6	19.9	33.0	17.1	14.4	21.6	7.3	39.1	58.8	38.3
Equinox	9.14	1.96	30.4	8.42	1.40	26.7	13.61	4.26	56.2	33.6	47.1	30.9	28.8	45.0	19.3	60.1	71.0	78.0
Summer	10.07	2.02	38.6	10.02	1.67	29.8	12.90	3.69	61.0	37.8	54.1	29.4	29.8	54.1	21.3	62.6	66.7	60.6

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

Month 1952	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	−0.10	+0.1	+0.1	−0.18	+ 4.0	−1.4	−1.96	−16.6	+ 4.8
February	−0.11	+0.6	−0.3	+0.16	+ 3.8	−1.2	+2.16	−21.8	+ 5.6
March	+0.02	−0.2	−0.2	−0.52	+ 4.0	−0.6	+3.82	+11.6	+ 2.0
April	+0.02	+0.7	−1.0	−0.08	+10.6	+1.0	+0.02	− 2.2	−12.6
May	+0.09	−0.4	+1.1	+0.08	+ 3.0	−1.0	+1.36	− 1.8	+13.0
June	−0.08	−0.6	+0.7	−0.82	+ 6.6	−0.6	+2.76	−14.8	+ 1.8
July	+0.04	+0.9	−0.3	+1.30	+ 1.6	+0.2	−0.28	− 3.0	− 1.4
August	−0.20	−0.3	−0.2	−0.28	− 0.6	+1.0	+1.36	− 4.8	+ 1.2
September	+0.03	−0.1	+0.2	+0.08	+ 6.6	−0.8	+1.38	+ 9.6	− 0.6
October	+0.09	−0.3	−0.2	−0.04	+ 1.6	−3.2	+3.24	+ 7.4	+ 6.4
November	−0.04	+0.5	+0.2	+0.28	+ 2.2	−0.2	−2.52	− 4.0	− 0.4
December	−0.02	+0.2	−0.2	+0.02	+ 5.0	−2.6	+2.52	− 6.0	− 2.2
Year	..	..	..	0.00	+ 4.0	−0.8	+1.16	− 3.9	+ 1.5

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

Month 1952	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 8.2	66 42.1	.18654	.18417	.02962	.43318	.47164
February	9 7.1	66 42.0	.18655	.18419	.02956	.43317	.47163
March	9 6.7	66 41.8	.18657	.18422	.02954	.43315	.47162
April	9 6.1	66 41.4	.18662	.18427	.02952	.43314	.47163
May	9 5.5	66 40.9	.18670	.18435	.02950	.43311	.47164
June	9 5.1	66 40.4	.18677	.18443	.02949	.43314	.47169
July	9 4.6	66 40.5	.18678	.18445	.02947	.43318	.47173
August	9 4.0	66 40.1	.18681	.18448	.02944	.43311	.47169
September	9 3.3	66 40.8	.18671	.18439	.02939	.43313	.47166
October	9 2.8	66 40.8	.18673	.18441	.02936	.43318	.47171
November	9 1.9	66 40.4	.18679	.18448	.02932	.43318	.47174
December	9 1.3	66 40.4	.18681	.18450	.02929	.43321	.47177
Year	9 4.7	66 41.0	.18670	.18436	.02946	.43316	.47168

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 50.2	8 50.0	8 49.9	8 50.0	8 50.2	8 50.1	8 50.2	8 50.2	8 50.1	8 50.2	8 50.0	8 49.8
2	50.2	50.0	49.8	50.0	50.2	50.2	50.3	50.1	50.1	50.1	50.0	49.8
3	50.2	50.0	49.9	49.9	50.3	50.1	50.4	50.1	50.1	50.2	50.1	49.7
4	50.1	50.0	49.9	49.9	50.2	50.2	50.3	50.1	50.1	50.2	50.0	49.8
5	50.1	49.9	49.9	49.9	50.1	50.2	50.3	50.1	50.1	50.2	50.1	49.8
6	50.1	50.0	49.9	50.1	50.1	50.2	50.2	50.1	50.2	50.3	49.7	49.8
7	50.1	49.9	49.9	50.0	50.2	50.2	50.1	50.2	50.2	50.2	50.1	49.8
8	50.1	50.0	49.9	50.0	50.2	50.2	50.1	50.1	50.1	50.2	50.0	49.7
9	50.1	50.0	50.0	50.0	50.2	50.2	50.1	50.1	50.1	50.2	50.0	49.8
10	50.1	50.0	49.8	50.0	50.2	50.4	50.1	50.2	50.1	50.2	50.0	49.8
11	50.1	50.0	49.9	49.9	50.2	50.2	50.0	50.1	50.1	50.2	50.0	49.9
12	50.1	50.0	50.0	50.0	50.2	50.3	50.0	50.2	50.3	50.2	49.9	49.8
13	50.1	50.0	49.9	50.1	50.1	50.2	50.1	50.2	50.2	50.1	49.9	49.9
14	50.1	49.9	50.0	50.0	50.1	50.2	50.1	50.2	50.1	-	50.0	49.8
15	50.1	49.9	50.0	50.0	50.1	50.2	50.2	50.1	50.1	50.2	50.0	50.0
16	50.1	49.8	50.0	49.9	50.1	50.4	50.1	50.0	50.2	50.1	50.0	49.9
17	50.1	49.9	50.0	50.0	50.3	50.3	50.2	50.1	50.2	50.0	49.9	49.8
18	50.1	49.9	50.0	50.0	50.3	50.3	50.2	50.1	50.1	50.0	49.9	49.8
19	50.1	49.9	50.0	50.1	50.3	50.3	50.2	50.1	50.2	49.9	49.8	49.8
20	50.1	49.9	50.0	50.1	50.3	50.2	50.3	50.1	50.2	50.1	49.8	49.7
21	50.1	49.9	49.9	50.2	50.4	50.4	50.2	50.1	50.1	50.0	49.8	49.5
22	50.2	49.8	49.9	50.1	50.4	50.4	50.3	50.1	50.2	50.1	49.9	49.6
23	50.0	49.9	50.0	50.1	50.4	50.3	50.3	50.2	50.2	49.8	49.8	49.8
24	50.0	50.2	50.1	50.1	50.3	50.2	50.1	50.1	50.2	50.1	49.8	49.6
25	50.0	50.0	50.0	50.1	50.3	50.1	50.3	50.2	50.0	49.9	49.7	49.7
26	50.0	50.0	50.0	50.2	50.4	50.3	50.2	50.1	50.2	49.9	49.7	49.7
27	49.9	49.9	50.0	50.1	50.3	50.4	50.1	50.1	50.1	50.0	49.7	49.7
28	50.0	49.9	49.9	50.3	50.2	50.0	50.2	50.1	50.2	49.9	49.6	49.7
29	50.0	50.0	50.2	50.3	50.3	50.2	50.2	50.1	50.2	50.0	49.7	49.7
30	49.9		50.1	50.3	50.1	50.2	50.2	50.2	50.2	50.0	49.8	49.7
31	49.9		50.0		50.2		50.3	50.1		50.1		49.7

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

Universal Time	No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-line
		γ	γ
Jan. 1 10 19 - 10 33	8	18632	18473
2 10 15 - 10 25	8	18654	18473
3 10 14 - 10 23	8	18666	18474
4 10 15 - 10 24	8	18657	18473
5 10 05 - 10 14	8	18609	18472
7 10 07 - 10 17	8	18657	18473
8 10 04 - 10 15	8	18643	18473
9 10 04 - 10 18	8	18652	18473
10 10 11 - 10 27	8	18658	18473
11 10 13 - 10 24	8	18648	18473
12 10 09 - 10 21	8	18649	18473
14 10 22 - 10 34	8	18621	18472
15 9 59 - 10 12	8	18647	18472
16 10 15 - 10 27	8	18634	18472
17 10 10 - 10 21	8	18647	18474
18 10 03 - 10 16	8	18653	18473
19 10 16 - 10 31	8	18663	18474
21 10 26 - 10 38	8	18668	18473
22 10 07 - 10 19	8	18667	18473
23 10 24 - 10 35	8	18658	18474
24 10 24 - 10 34	8	18656	18474
25 10 30 - 10 45	8	18654	18473
26 10 12 - 10 25	8	18667	18474
28 10 21 - 10 32	8	18638	18473
29 10 24 - 10 37	8	18631	18472
30 10 09 - 10 21	8	18643	18474
31 9 42 - 9 53	8	18670	18476
Feb. 1 10 20 - 10 29	8	18654	18472
2 10 10 - 10 20	8	18641	18474
4 10 21 - 10 35	8	18656	18474
5 10 05 - 10 18	8	18669	18475
6 10 01 - 10 12	8	18680	18475
7 10 20 - 10 34	8	18619	18474
8 10 18 - 10 28	8	18644	18473
9 10 16 - 10 28	8	18622	18473
11 10 20 - 10 31	8	18640	18474
12 10 32 - 10 48	8	18634	18474
13 10 16 - 10 27	8	18643	18474
14 10 15 - 10 26	8	18648	18474
15 10 24 - 10 34	8	18658	18473
16 10 28 - 10 40	8	18618	18473
18 10 35 - 10 44	8	18656	18475
19 11 41 - 11 51	8	18650	18474
20 12 26 - 12 36	8	18649	18474
21 12 05 - 12 23	8	18674	18475
23 10 31 - 10 40	8	18681	18477
25 10 07 - 10 17	8	18652	18474
26 11 57 - 12 06	8	18671	18474
27 12 06 - 12 16	8	18642	18474
28 9 51 - 10 02	8	18651	18474
29 11 53 - 12 13	8	18620	18473
Mar. 1 11 15 - 11 25	8	18654	18475
3 12 52 - 13 01	8	18675	18474
4 11 51 - 12 00	8	18592	18470
5 11 55 - 12 04	8	18654	18473
6 11 30 - 11 40	8	18635	18472
7 11 20 - 11 29	8	18620	18472
8 11 23 - 11 35	8	18621	18471
10 12 06 - 12 17	8	18628	18474
11 10 12 - 10 22	8	18652	18475
12 10 25 - 10 34	8	18645	18473
13 10 09 - 10 21	8	18652	18476
Mar. 14 12 06 - 12 16	8	18652	18474
15 11 38 - 11 48	8	18652	18473
17 11 24 - 11 32	8	18620	18474
18 10 35 - 10 44	8	18642	18474
19 11 30 - 11 39	8	18652	18473
20 11 16 - 11 24	8	18648	18474
21 11 32 - 11 43	8	18667	18474
22 11 26 - 11 36	8	18644	18473
24 11 26 - 11 36	8	18608	18473
25 10 23 - 10 36	8	18623	18474
26 10 17 - 10 27	8	18651	18475
27 10 11 - 10 27	8	18646	18474
28 11 50 - 12 03	8	18667	18475
29 10 16 - 10 28	8	18646	18475
31 10 19 - 10 30	8	18610	18473
Apr. 1 10 28 - 10 38	8	18629	18475
3 11 40 - 11 52	8	18596	18472
4 10 27 - 10 39	8	18613	18473
7 10 12 - 10 25	8	18645	18475
8 11 56 - 12 05	8	18627	18473
9 9 57 - 10 10	8	18650	18473
10 9 54 - 10 04	8	18645	18474
12 10 07 - 10 18	8	18643	18473
15 10 15 - 10 27	8	18659	18475
16 10 01 - 10 09	8	18671	18475
17 9 49 - 9 59	8	18646	18475
18 10 26 - 10 34	8	18667	18475
19 10 14 - 10 26	8	18661	18475
21 9 05 - 9 16	8	18679	18475
22 9 23 - 9 34	8	18623	18473
23 8 50 - 9 02	8	18654	18473
24 9 07 - 9 20	8	18655	18475
25 9 13 - 9 26	8	18655	18476
26 9 22 - 9 33	8	18655	18474
28 9 09 - 9 27	8	18658	18474
29 9 10 - 9 27	8	18656	18474
30 9 10 - 9 23	8	18618	18473
May 1 8 59 - 9 09	8	18617	18473
2 9 08 - 9 18	8	18608	18473
3 9 03 - 9 15	8	18639	18473
5 9 04 - 9 22	8	18642	18473
6 8 52 - 9 05	8	18630	18472
7 9 23 - 9 37	8	18580	18471
8 9 11 - 9 24	8	18630	18473
9 9 05 - 9 19	8	18655	18473
10 9 15 - 9 23	8	18649	18474
12 9 28 - 9 41	8	18665	18474
13 8 57 - 9 08	8	18683	18476
14 8 11 - 8 21	8	18675	18475
15 9 17 - 9 31	8	18655	18475
16 9 07 - 9 18	8	18667	18476
17 9 29 - 9 39	8	18674	18473
19 9 19 - 9 36	8	18611	18472
20 9 31 - 9 41	8	18668	18473
21 9 07 - 9 19	8	18648	18473
22 10 59 - 11 16	8	18660	18473
23 9 01 - 9 12	8	18676	18473
24 9 26 - 9 35	8	18679	18474
26 9 14 - 9 28	8	18617	18472
27 8 52 - 9 02	8	18580	18472
28 9 24 - 9 33	8	18635	18472
May 29 9 23 - 9 32	8	18617	18472
30 8 52 - 9 05	8	18631	18471
June 3 9 12 - 9 29	8	18670	18472
4 9 23 - 9 42	8	18659	18473
5 9 12 - 9 31	8	18666	18473
6 9 09 - 9 18	8	18676	18472
7 9 15 - 9 24	8	18657	18473
9 9 15 - 9 26	8	18659	18472
10 9 16 - 9 29	8	18659	18471
11 8 10 - 8 34	8	18662	18473
12 9 08 - 9 17	8	18660	18472
13 9 33 - 9 45	8	18659	18472
14 9 13 - 9 26	8	18642	18471
16 9 07 - 9 21	8	18646	18472
17 9 16 - 9 25	8	18667	18472
18 8 41 - 8 53	8	18663	18473
19 9 25 - 9 34	8	18669	18473
20 9 21 - 9 29	8	18674	18474
21 9 06 - 9 17	8	18675	18473
23 9 12 - 9 23	8	18651	18473
24 9 20 - 9 37	8	18622	18471
25 9 08 - 9 25	8	18641	18470
26 10 49 - 11 00	8	18647	18470
27 9 01 - 9 11	8	18652	18471
28 9 20 - 9 30	8	18650	18473
30 9 38 - 9 47	8	18552	18468
July 1 9 31 - 9 39	8	18654	18471
2 9 11 - 9 28	8	18651	18471
3 9 07 - 9 21	8	18654	18471
4 9 27 - 9 43	8	18651	18471
5 9 22 - 9 31	8	18650	18471
7 9 17 - 9 25	8	18656	18471
8 9 07 - 9 19	8	18659	18472
9 9 24 - 9 32	8	18645	18470
10 9 13 - 9 25	8	18650	18471
11 9 06 - 9 17	8	18656	18470
12 9 05 - 9 15	8	18663	18472
14 9 10 - 9 21	8	18667	18473
15 9 24 - 9 33	8	18658	18472
16 9 03 - 9 27	8	18668	18474
17 9 18 - 9 27	8	18666	18471
18 9 16 - 9 25	8	18668	18473
19 9 26 - 9 37	8	18685	18474
21 8 52 - 9 03	8	18671	18472
22 8 56 - 9 08	8	18642	18471
23 9 25 - 9 44	8	18653	18472
24 9 24 - 9 34	8	18670	18472
25 9 15 - 9 34	8	18667	18472
26 9 05 - 9 19	8	18668	18472
28 9 25 - 9 35	8	18679	18472
29 9 02 - 9 12	8	18658	18471
30 9 09 - 9 19	8	18664	18471
31 9 12 - 9 25	8	18667	18470
Aug. 1 9 08 - 9 22	8	18668	18471
2 9 13 - 9 22	8	18668	18470
5 9 24 - 9 32	8	18666	18470
6 9 20 - 9 30	8	18658	18471
7 9 15 - 9 24	8	18639	18470
8 8 38 - 8 48	8	18659	18472
9 9 22 - 9 34	8	18656	18469

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. 11	9 06	9 16	8	18670	18472
12	9 08	9 17	8	18654	18471
13	9 10	9 24	8	18665	18471
14	9 06	9 19	8	18661	18471
15	9 14	9 23	8	18668	18471
16	9 10	9 24	8	18680	18471
18	9 05	9 18	8	18679	18471
19	9 34	9 47	8	18656	18470
20	9 15	9 24	8	18647	18471
21	9 08	9 23	8	18669	18472
22	9 05	9 20	8	18655	18470
23	9 31	9 40	8	18662	18470
25	9 32	9 42	8	18644	18469
26	9 27	9 37	8	18659	18470
27	9 11	9 25	8	18662	18469
28	9 07	9 22	8	18671	18471
29	9 07	9 15	8	18678	18470
30	9 04	9 14	8	18682	18470
Sept. 1	8 57	9 06	8	18633	18468
2	9 13	9 23	8	18613	18467
3	9 15	9 24	8	18613	18468
4	9 12	9 22	8	18639	18469
5	9 11	9 21	8	18671	18470
6	9 15	9 26	8	18652	18469
8	9 20	9 31	8	18609	18468
9	9 19	9 31	8	18638	18470
10	9 14	9 25	8	18625	18469
11	9 15	9 28	8	18663	18471
12	9 13	9 23	8	18651	18470
13	9 13	9 22	8	18662	18470
15	10 28	10 40	8	18673	18472
16	9 06	9 25	8	18663	18470
17	9 20	9 28	8	18666	18470
18	9 06	9 22	8	18673	18471
19	9 27	9 37	8	18659	18470
20	9 08	9 25	7	18675	18471
22	9 19	9 27	8	18659	18471
23	9 15	9 24	8	18671	18470
24	9 23	9 34	8	18665	18470
25	9 24	9 33	8	18670	18471
26	9 37	9 44	8	18651	18469
Sept. 27	9 00	9 11	8	18669	18471
29	9 18	9 28	8	18625	18470
30	9 10	9 18	8	18635	18469
Oct. 1	9 17	9 29	8	18654	18470
2	9 03	9 12	8	18663	18472
3	9 20	9 28	8	18659	18470
4	10 47	11 12	8	18665	18471
6	9 07	9 16	8	18629	18468
7	8 58	9 08	8	18665	18471
8	9 01	9 13	8	18670	18470
9	11 05	11 15	8	18657	18470
10	9 04	9 15	8	18669	18470
11	8 40	8 49	8	18677	18471
13	9 28	9 40	8	18668	18471
14	8 56	9 07	8	18673	18471
15	9 16	9 30	8	18680	18472
16	9 06	9 16	8	18696	18473
17	11 11	11 20	8	18665	18471
18	9 08	9 22	8	18655	18471
20	9 19	9 28	8	18667	18471
21	9 06	9 17	8	18680	18471
22	9 13	9 21	8	18676	18471
23	8 59	9 10	8	18681	18471
24	9 38	9 49	8	18670	18469
25	9 10	9 18	8	18699	18472
27	9 47	9 58	8	18657	18471
28	10 15	10 23	8	18669	18471
29	10 14	10 26	8	18661	18469
30	10 19	10 30	8	18672	18470
31	10 12	10 22	8	18674	18470
Nov. 1	10 20	10 32	8	18658	18468
3	10 07	10 15	8	18656	18470
4	10 09	10 19	8	18667	18470
5	10 28	10 38	8	18668	18470
6	10 04	10 14	8	18681	18471
7	10 14	10 23	8	18677	18470
8	10 03	10 17	8	18672	18470
10	10 18	10 27	8	18679	18470
11	10 11	10 18	8	18672	18470
Nov. 12	10 26	10 34	8	18677	18469
13	10 17	10 26	8	18675	18472
14	9 56	10 11	8	18683	18470
15	10 19	10 28	8	18665	18470
17	10 21	10 31	8	18671	18471
18	9 59	10 07	8	18684	18471
19	10 18	10 29	8	18675	18471
20	10 12	10 21	8	18690	18471
21	10 02	10 13	8	18658	18470
22	10 13	10 26	8	18676	18470
24	10 20	10 29	8	18676	18471
26	9 39	9 52	8	18681	18470
27	10 05	10 18	8	18664	18470
28	10 34	10 43	8	18654	18471
29	10 08	10 23	8	18686	18471
Dec. 1	10 22	10 31	8	18690	18471
2	10 24	10 33	8	18703	18472
3	10 16	10 24	8	18688	18472
4	10 15	10 26	8	18688	18473
5	10 20	10 30	8	18672	18471
6	10 25	10 34	8	18675	18471
8	10 06	10 15	8	18687	18472
9	10 25	10 33	8	18692	18472
10	10 14	10 23	8	18689	18472
11	9 59	10 10	8	18681	18472
12	10 01	10 11	8	18686	18471
13	10 16	10 25	8	18624	18470
15	10 22	10 36	8	18685	18471
16	10 22	10 32	8	18693	18472
17	10 23	10 35	8	18681	18470
18	10 11	10 22	8	18693	18471
19	10 17	10 26	8	18683	18472
20	10 27	10 34	8	18691	18471
22	10 18	10 26	8	18691	18472
23	11 30	11 41	8	18689	18472
24	10 06	10 17	8	18654	18471
27	10 12	10 21	8	18700	18474
29	10 13	10 24	8	18670	18473
30	10 22	10 32	8	18659	18472
31	10 13	10 29	8	18696	18473

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
Feb. 14	9 39	- 10 07	8	43313	43052
15	9 43	- 10 18	8	43316	43055
16	9 54	- 10 20	8	43313	43055
18	9 53	- 10 30	8	43305	43045
19	10 05	- 10 42	8	43309	43048
20	10 19	- 10 45	8	43324	43051
21	10 28	- 10 55	8	43314	43051
22	15 58	- 16 51	8	43311	43049
23	9 53	- 10 25	8	43308	43050
25	11 39	- 12 50	8	43318	43050
26	9 59	- 10 37	8	43305	43051
27	9 56	- 10 51	5	43307	43051
Mar. 3	12 07	- 12 48	8	43299	43052
4	10 02	- 10 42	8	43293	43050
5	9 54	- 10 33	8	43312	43052
6	9 55	- 10 03	2	43298	43052
7	11 48	- 12 32	6	43324	43053
8	10 00	- 10 41	8	43306	43052
10	10 08	- 10 31	4	43314	43051
11	9 24	- 10 05	8	43312	43051
12	9 43	- 10 22	8	43313	43050
13	9 38	- 10 03	8	43313	43052
14	9 39	- 10 37	8	43308	43051
15	10 05	- 10 38	6	43311	43053
17	9 51	- 10 38	8	43309	43049
18	9 47	- 10 32	5	43315	43052
19	9 41	- 10 33	8	43306	43050
20	9 46	- 10 33	8	43310	43051
21	9 42	- 10 48	8	43304	43052
22	9 36	- 10 36	6	43306	43051
24	10 03	- 10 38	8	43306	43050
25	9 34	- 10 18	8	43314	43051
26	9 29	- 10 10	8	43302	43052
27	9 21	- 9 54	8	43303	43053
28	10 01	- 10 34	6	43302	43053
29	9 37	- 10 07	8	43307	43050
31	9 34	- 10 14	8	43311	43050
Apr. 1	9 35	- 10 23	6	43311	43051
3	9 43	- 10 29	8	43306	43052
4	9 45	- 10 21	8	43300	43051
5	11 50	- 12 09	8	43303	43050
7	9 43	- 10 04	8	43297	43050
8	9 41	- 10 02	4	43307	43050
8	11 39	- 11 50	4	43305	43051
9	9 31	- 9 50	8	43308	43050
10	9 27	- 9 49	8	43303	43051
12	9 44	- 10 02	8	43300	43050
15	9 38	- 10 10	8	43304	43051
16	9 38	- 9 58	8	43307	43049
17	9 24	- 9 43	8	43314	43051
18	9 42	- 10 17	8	43309	43051
19	9 45	- 10 03	8	43307	43051
21	8 38	- 9 00	8	43300	43050
22	8 40	- 9 10	8	43307	43050
23	8 23	- 8 46	8	43320	43050
24	8 38	- 9 03	8	43320	43050
25	8 33	- 9 08	8	43316	43050
26	8 53	- 9 15	8	43312	43051
28	8 27	- 9 04	8	43300	43050
29	8 40	- 9 04	8	43286	43050
30	8 41	- 9 03	8	43300	43049
May 1	8 40	- 8 55	8	43318	43050
2	8 47	- 9 04	8	43308	43049
3	8 37	- 8 58	8	43306	43050
5	8 35	- 8 58	8	43308	43051
6	8 25	- 8 47	8	43281	23050
7	8 43	- 9 17	8	43291	43051
8	8 43	- 9 04	8	43300	43050
9	8 24	- 8 48	8	43312	43050
10	8 53	- 9 11	8	43309	43050
12	8 56	- 9 20	8	43308	43050
13	8 33	- 8 53	8	43307	43050
14	7 38	- 8 01	8	43317	43050
15	8 29	- 9 12	8	43311	43050
16	8 38	- 9 02	8	43309	43049
17	8 44	- 9 25	8	43304	43051
19	8 29	- 9 08	8	43296	43050
20	9 07	- 9 25	8	43301	43049
21	8 43	- 9 03	8	43301	43050
22	8 44	- 9 29	8	43315	43049
23	8 31	- 8 46	8	43301	43049
24	8 47	- 9 21	8	43296	43049
26	8 32	- 9 03	8	43298	43050
27	8 27	- 8 45	8	43321	43053
28	8 51	- 9 19	8	43313	43051
29	8 45	- 9 19	8	43299	43050
30	8 28	- 8 43	8	43296	43050
31	9 07	- 9 43	8	43303	43050
June 3	8 38	- 9 03	8	43317	43052
4	8 31	- 9 11	8	43312	43050
5	8 27	- 9 00	8	43305	43050
6	8 37	- 9 03	8	43304	43049
7	8 49	- 9 11	8	43301	43050
9	8 48	- 9 07	8	43305	43049
10	8 42	- 9 08	8	43313	43050
11	8 51	- 9 19	8	43319	43050
12	8 44	- 9 02	8	43319	43049
13	9 06	- 9 23	8	43300	43048
14	8 39	- 9 04	8	43300	43048
16	8 37	- 8 57	8	43310	43052
17	8 39	- 9 10	8	43309	43053
18	8 03	- 8 17	8	43312	43051
19	9 01	- 9 21	8	43309	43052
20	8 45	- 9 13	8	43300	43051
21	8 36	- 8 56	8	43309	43051
23	8 46	- 9 04	8	43308	43053
24	8 46	- 9 15	8	43302	43051
25	8 37	- 9 00	8	43312	43051
26	9 04	- 9 33	8	43308	43051
27	8 25	- 8 49	8	43315	43050
28	8 42	- 9 14	8	43314	43050
30	9 09	- 9 30	8	43266	43050
July 1	9 04	- 9 24	8	43322	43051
2	8 41	- 9 02	8	43320	43048
3	8 43	- 9 03	8	43323	43050
4	8 35	- 9 16	8	43310	43050
5	8 53	- 9 14	8	43314	43050
7	8 59	- 9 12	8	43318	43051
8	8 41	- 8 58	8	43319	43051
9	8 44	- 9 07	8	43307	43051
10	8 46	- 9 07	8	43322	43052
11	8 42	- 8 58	8	43319	43051
12	8 43	- 9 00	8	43320	43053
July 14	8 50	- 9 05	8	43318	43053
15	8 53	- 9 21	8	43310	43051
16	8 36	- 8 56	8	43322	43051
17	8 49	- 9 13	8	43308	43051
18	8 49	- 9 11	8	43311	43052
19	9 06	- 9 23	8	43303	43052
21	8 30	- 8 47	8	43312	43051
22	8 27	- 8 45	8	43313	43051
23	8 36	- 9 16	8	43311	43052
24	8 51	- 9 18	8	43314	43052
25	8 36	- 8 59	8	43314	43050
26	8 40	- 8 58	8	43308	43050
28	8 58	- 9 22	8	43304	43050
29	8 38	- 8 57	8	43310	43050
30	8 46	- 9 03	8	43314	43050
31	8 43	- 9 06	8	43316	43051
Aug. 1	8 36	- 8 59	8	43310	43052
2	8 53	- 9 07	8	43314	43053
5	8 56	- 9 19	8	43315	43052
6	9 00	- 9 17	8	43303	43052
7	8 55	- 9 12	8	43310	43050
8	8 08	- 8 30	8	43320	43050
9	8 53	- 9 15	8	43313	43050
11	8 44	- 9 02	8	43314	43051
12	8 50	- 9 04	8	43313	43051
13	8 38	- 9 03	8	43314	43050
14	8 41	- 9 02	8	43318	43051
15	8 38	- 9 10	8	43303	43050
16	8 42	- 9 01	8	43307	43050
18	8 39	- 9 01	8	43308	43050
19	8 59	- 9 30	8	43303	43051
20	8 37	- 9 12	8	43301	43050
21	8 44	- 9 04	8	43304	43051
22	8 36	- 8 58	8	43308	43050
23	8 55	- 9 27	8	43303	43051
25	9 02	- 9 24	8	43309	43051
26	8 57	- 9 22	8	43305	43051
27	8 40	- 9 05	8	43306	43050
28	8 41	- 9 02	8	43310	43051
29	8 43	- 8 59	8	43310	43051
30	8 41	- 9 01	8	43302	43051
Sept. 1	8 32	- 8 50	8	43304	43051
2	8 40	- 9 09	8	43318	43052
3	8 53	- 9 10	8	43309	43050
4	8 39	- 9 07	8	43317	43053
5	8 35	- 8 59	8	43311	43051
6	8 47	- 9 05	8	43308	43050
8	8 50	- 9 15	8	43303	43050
9	8 47	- 9 12	8	43318	43052
10	8 42	- 9 08	8	43316	43051
11	8 46	- 9 11	8	43308	43051
12	8 52	- 9 10	8	43309	43051
13	8 45	- 9 08	8	43316	43051
15	8 49	- 9 26	8	43310	43051
16	8 38	- 9 01	8	43309	43050
17	8 39	- 9 13	8	43304	43050
18	8 43	- 9 00	8	43302	43049
19	8 43	- 9 23	8	43306	43050
20	8 44	- 9 00	8	43308	43050
22	8 57	- 9 15	8	43309	43051
23	8 38	- 9 09	8	43311	43052
24	8 54	- 9 18	8	43306	43051

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
		Y	Y
Sept. 25 9 04 - 9 21	8	43308	43052
26 8 58 - 9 33	8	43310	43052
27 8 38 - 8 57	8	43300	43051
29 8 55 - 9 15	8	43310	43050
30 8 33 - 8 56	8	43310	43051
Oct. 1 8 39 - 9 13	8	43316	43052
2 8 38 - 9 00	8	43312	43051
3 8 47 - 9 16	8	43316	43051
4 8 46 - 9 15	8	43304	43051
6 8 39 - 8 59	8	43316	43052
7 8 31 - 8 55	8	43317	43051
8 8 36 - 8 52	8	43322	43051
9 10 38 - 10 58	8	43301	43050
10 8 26 - 8 57	8	43314	43051
13 8 56 - 9 23	8	43311	43049
14 8 36 - 8 52	8	43312	43051
15 8 52 - 9 10	8	43310	43050
16 8 41 - 9 03	8	43308	43050
17 10 51 - 11 05	8	43311	43051
18 8 41 - 9 01	8	43317	43051
20 8 46 - 9 12	8	43308	43051
21 8 37 - 8 59	8	43315	43051
22 8 54 - 9 10	8	43313	43050
23 8 35 - 8 55	8	43317	43052
24 9 12 - 9 32	8	43315	43052
25 8 48 - 9 06	8	43307	43052
27 9 20 - 9 43	8	43318	43051
Oct. 28 9 41 - 10 11	8	43318	43053
29 9 36 - 10 06	8	43317	43051
30 9 58 - 10 16	8	43317	43051
31 9 49 - 10 06	8	43316	43051
Nov. 1 9 51 - 10 15	8	43316	43051
3 9 45 - 10 03	8	43316	43051
4 9 42 - 10 06	8	43318	43051
5 10 03 - 10 25	8	43315	43050
6 9 36 - 10 01	8	43310	43050
7 9 53 - 10 11	8	43307	43049
8 9 43 - 9 57	8	43307	43049
10 9 54 - 10 11	8	43316	43051
11 9 53 - 10 09	8	43315	43049
12 10 08 - 10 23	8	43313	43049
13 10 00 - 10 14	8	43314	43051
14 9 32 - 9 48	8	43305	43050
15 9 46 - 10 13	8	43309	43051
17 9 50 - 10 16	8	43314	43049
18 9 40 - 9 55	8	43313	43051
19 9 54 - 10 15	8	43314	43050
20 9 54 - 10 08	8	43308	43050
21 9 42 - 9 57	8	43312	43051
22 9 47 - 10 06	8	43314	43051
24 9 50 - 10 16	8	43316	43051
26 9 12 - 9 30	8	43310	43051
27 9 39 - 10 00	8	43328	43051
Nov. 28 10 08 - 10 31	8	43313	43051
29 9 46 - 10 04	8	43316	43051
Dec. 1 9 55 - 10 19	8	43314	43051
2 9 57 - 10 20	8	43311	43051
3 9 53 - 10 13	8	43316	43052
4 9 57 - 10 12	8	43318	43051
5 9 55 - 10 17	8	43314	43051
6 10 00 - 10 22	8	43319	43052
8 9 46 - 10 04	8	43316	43051
9 10 03 - 10 22	8	43317	43052
10 9 48 - 10 11	8	43317	43053
11 9 37 - 9 53	8	43316	43052
12 9 35 - 9 54	8	43318	43052
13 9 44 - 10 11	8	43313	43054
15 9 51 - 10 14	8	43319	43053
16 9 50 - 10 19	8	43316	43051
17 9 55 - 10 19	8	43312	43052
18 9 35 - 9 59	8	43311	43052
19 9 59 - 10 15	8	43320	43053
20 10 02 - 10 22	8	43319	43053
22 9 56 - 10 15	8	43314	43053
23 10 16 - 10 37	8	43322	43053
24 9 40 - 10 02	8	43314	43054
27 9 49 - 10 07	8	43315	43054
29 9 51 - 10 09	8	43321	43052
30 9 58 - 10 18	8	43323	43054
31 9 47 - 10 04	8	43319	43054

TABLE XV(A). - DAILY VALUE OF THE BASE-LINE OF THE VERTICAL INTENSITY MAGNETOGRAMS AT THE ABINGER MAGNETIC STATION, DEDUCED FROM OBSERVATIONS OF MAGNETIC DIP MADE WITH THE EARTH INDUCTOR

Day	January	February	March	April	May	June	July	August	September	October	November	December
	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
1	43044	43048	43045	43045	43049	-	-	43048	-	43049	43047	43055
2	43045	43045	-	-	43046	-	-	43048	43059	43048	-	-
3	43041	-	-	-	43048	-	-	-	43058	43044	43050	43053
4	43042	43043	-	-	-	-	-	-	43057	-	43050	43054
5	43045	43045	-	-	43048	-	-	43044	43043	-	43051	43051
6	-	43046	43044	-	43050	-	-	43052	43050	-	43041	43039
7	43048	-	43045	43048	43044	-	-	43051	-	43048	43045	-
8	43047	43049	43047	43048	43043	-	-	43054	43052	43044	43050	43046
9	43045	43047	-	43046	43044	-	-	43053	-	43051	-	43054
10	43045	-	-	43047	-	-	43052	-	43058	43051	43046	43046
11	43047	43051	43050	-	-	-	43045	43050	43053_{52}	43048	43047	43041
12	43048	43047	43049	43048	-	-	43050	43051	43040	-	43044	43049
13	-	43048	43046	-	-	-	-	43048	43052	43050	43043	43052
14	43046	43047	43049	-	-	-	43052	43048	-	43050	43051	-
15	43045	-	-	43046	43046	-	43043	43048	43057	43049	43054	43035
16	43047	-	-	43049	-	-	43043	43047	43055	-	-	43041
17	43044	-	-	43048	-	-	43041	-	43051	43044	43049	43051
18	43043	43045	-	43052	-	-	43046	43052	43053	43045	43051	43048
19	43044	43045	-	43045	-	-	43044	43046	43056	-	43057	43040
20	-	43046	43047	-	-	-	-	43051	43054	43050	43052	43036
21	43043	43046	43043	43045	-	-	43045	43046	-	43056	43054	-
22	43043	-	43045	-	-	-	43048	43045	43051	43048	43047	43050
23	43043	43044	-	43050	-	-	-	43053	43045	43049	-	43048
24	43044	-	-	43047	-	-	43049	-	43048	43052	43051	-
25	43044	43045	-	43047	-	-	-	43052	43054	43047	-	-
26	43040	43047	43046	43047	-	-	43051	43047	43052	-	43048	-
27	-	43045	-	-	-	-	-	43049	43051	43046	-	43045
28	43044	-	43047	43046	-	-	43047	43048	-	43048	-	-
29	43047	-	43046	43048	-	-	43049	43052	43044	43052	43051	43051
30	43042		-	-	-	-	43054	43045	43047	43049	-	43048
31	43046		43049		-		43052	-		43049		-

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

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

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

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

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

† Mean of seven months June to December.

* Mean of ten months, March to December.

TABLE XVI(B). - MEAN ANNUAL VALUES OF MAGNETIC ELEMENTS DETERMINED AT THE ABINGER MAGNETIC STATION, FOR THE YEARS 1925-1952

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

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. See Introduction p. D vi.

ROYAL GREENWICH OBSERVATORY

Results of

Meteorological Observations

1952

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH									
	Eye Readings made at 09 00 hours of the Temperature of the Air					Degree of Humidity (Saturation = 100)	Lowest Temperature on the Grass	Rainfall (Thrown Back)	Daily Duration of Sunshine	Sun above Horizon
	Highest (Thrown Back)	Lowest	Daily Range	Dry Bulb	Wet Bulb					
	°	°	°	°	°		°	in.	hours	hours
Jan. 1	48.2	35.0	13.2	35.8	33.2	74	28.6	0.22	5.9	7.9
2	45.7	35.7	10.0	43.9	42.0	84	30.2	0.04	0.0	7.9
3	41.0	35.4	5.6	35.6	33.6	80	28.8	0.00	2.4	7.9
4	44.6	30.1	14.5	31.5	30.7	91	21.6	0.30	1.7	8.0
5	45.8	30.8	15.0	42.5	40.0	79	25.6	Trace	0.1	8.0
6	48.3	38.4	9.9	45.8	45.1	94	28.2	0.01	0.0	8.0
7	50.2	45.7	4.5	48.3	46.6	87	44.1	0.00	0.0	8.0
8	50.0	42.7	7.3	43.8	42.0	85	36.1	0.07	0.5	8.1
9	43.2	37.8	5.4	39.2	36.4	75	31.4	0.07	3.1	8.1
10	52.8	35.4	17.4	42.1	40.6	87	29.6	0.06	0.0	8.1
11	45.8	41.8	4.0	45.6	40.8	63	37.6	Trace	0.7	8.2
12	42.7	36.8	5.9	38.6	35.5	71	29.2	Trace	3.5	8.2
13	47.2	28.3	18.9	30.4	29.8	93	19.0	0.26	0.3	8.2
14	52.0	30.2	21.8	38.6	36.9	84	25.6	Trace	1.3	8.3
15	53.8	38.3	15.5	52.0	49.8	85	31.6	0.09	0.2	8.3
16	41.9	38.4	3.5	38.4	36.9	86	32.9	0.24	3.5	8.3
17	38.7	34.2	4.5	35.1	33.2	81	24.8	Trace	3.2	8.4
18	40.0	34.7	5.3	37.3	33.0	59	28.5	Trace	0.2	8.4
19	40.0	32.4	7.6	37.4	34.2	79	23.5	0.00	0.3	8.5
20	38.7	30.4	8.3	32.2	31.1	88	20.6	Trace	0.5	8.5
21	39.0	31.9	7.1	37.7	35.4	78	28.3	0.00	0.0	8.6
22	37.0	34.2	2.8	34.7	33.7	90	31.8	0.03	0.0	8.6
23	38.6	34.3	4.3	37.0	36.4	94	32.4	0.01	0.0	8.6
24	35.1	32.9	2.2	34.4	34.0	96	25.4	0.07	0.0	8.7
25	36.7	29.7	7.0	31.4	30.9	94	22.5	0.02	0.0	8.7
26	33.2	30.8	2.4	30.8	30.4	95	24.6	Trace	0.1	8.8
27	33.1	21.4	11.7	22.8	22.7	98	13.4	0.00	0.4	8.9
28	41.4	21.8	19.6	32.5	31.8	93	12.7	0.05	0.0	8.9
29	45.0	32.4	12.6	34.6	33.0	83	25.3	Trace	6.6	8.9
30	45.0	27.8	17.2	29.2	28.9	96	18.2	0.18	4.3	9.0
31	43.7	29.2	14.5	42.9	40.6	80	23.3	0.01	2.9	9.1
Means	43.2	33.5	9.7	37.5	35.8	85	26.9	Sum 1.73	1.3	8.4

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH				AT THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Record of the Night Sky				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Polaris		δ Ursæ Minoris				Polaris		δ Ursæ Minoris	
	Duration	Fraction of total Exposure	Duration	Fraction of total Exposure			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	hours		hours		hours	hours	hours		hours	
Jan. 1	4.4	0.32	1.1	0.08	7.1	8.0	5.4	0.40	4.5	0.34
2	4.3	0.32	3.6	0.26	0.0	8.0	3.3	0.24	2.9	0.21
3	13.3	0.96	13.2	0.96	6.2	8.1	13.3	0.98	13.1	0.97
4	0.0	0.00	0.0	0.00	3.3	8.1	1.7	0.12	1.2	0.09
5	4.2	0.31	1.6	0.12	5.2	8.1	6.2	0.47	4.4	0.33
6	0.0	0.00	0.0	0.00	0.0	8.1	0.0	0.00	0.0	0.00
7	0.6	0.04	0.6	0.04	0.0	8.1	1.2	0.09	0.9	0.07
8	2.4	0.17	1.6	0.12	3.2	8.2	0.0	0.00	0.0	0.00
9	4.9	0.35	4.6	0.33	5.1	8.2	6.1	0.46	4.7	0.36
10	0.9	0.07	0.1	0.01	0.0	8.2	0.7	0.05	0.5	0.03
11	9.2	0.67	7.9	0.57	2.1	8.3	13.2	0.99	13.2	0.99
12	13.1	0.99	12.9	0.98	6.1	8.3	12.5	0.95	12.4	0.94
13	4.9	0.37	4.9	0.37	3.3	8.3	4.1	0.31	4.0	0.30
14	2.7	0.20	1.4	0.10	5.2	8.4	2.4	0.18	2.0	0.15
15	5.9	0.44	5.5	0.42	0.6	8.4	8.4	0.63	8.3	0.63
16	8.3	0.63	7.8	0.59	7.4	8.4	8.9	0.67	8.8	0.66
17	10.1	0.76	9.0	0.68	4.3	8.5	12.7	0.96	12.0	0.91
18	10.6	0.80	10.1	0.76	3.9	8.5	11.3	0.85	10.7	0.81
19	11.4	0.88	11.1	0.85	4.0	8.6	12.9	0.99	12.7	0.98
20	0.0	0.00	0.0	0.00	1.7	8.6	0.0	0.00	0.0	0.00
21	0.0	0.00	0.0	0.00	0.7	8.6	0.0	0.00	0.0	0.00
22	0.0	0.00	0.0	0.00	0.0	8.7	0.0	0.00	0.0	0.00
23	1.9	0.14	1.8	0.14	0.0	8.7	0.0	0.00	0.0	0.00
24	1.3	0.10	0.7	0.06	0.9	8.8	1.5	0.12	1.3	0.10
25	1.6	0.12	1.0	0.08	4.3	8.8	5.2	0.40	4.8	0.38
26	12.2	0.96	11.4	0.90	0.0	8.9	11.5	0.92	2.3	0.18
27	9.5	0.75	5.7	0.45	7.8	8.9	8.9	0.71	5.2	0.42
28	11.4	0.90	10.5	0.83	0.6	9.0	12.1	0.97	12.1	0.97
29	12.7	1.00	12.7	1.00	7.2	9.0	12.5	1.00	12.5	1.00
30	0.8	0.07	0.0	0.00	7.4	9.1	0.0	0.00	0.0	0.00
31	9.9	0.78	9.0	0.71	4.4	9.1	9.4	0.75	8.6	0.69
Means	5.6	0.42	4.8	0.37	3.3	8.5	6.0	0.46	5.3	0.40

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH									
	Eye Readings made at 09 00 hours of the Temperature of the Air					Degree of Humidity (Saturation = 100)	Lowest Temperature on the Grass	Rainfall (Thrown Back)	Daily Duration of Sunshine	Sun above Horizon
	Highest (Thrown Back)	Lowest	Daily Range	Dry Bulb	Wet Bulb					
	°	°	°	°	°		°	in.	hours	hours
Feb. 1	39.0	34.1	4.9	35.6	34.9	93	27.0	0.03	0.4	9.1
2	44.8	31.8	13.0	34.6	32.9	82	24.4	Trace	6.6	9.2
3	41.6	29.7	11.9	34.7	33.3	85	19.6	Trace	4.2	9.2
4	41.9	33.8	8.1	37.2	34.3	72	25.7	Trace	1.6	9.3
5	40.9	26.7	14.2	29.0	28.2	91	17.1	0.00	0.0	9.3
6	47.0	29.0	18.0	40.9	37.9	73	23.6	0.01	0.2	9.4
7	45.3	37.8	7.5	39.5	37.7	84	26.4	0.02	0.8	9.4
8	42.1	33.9	8.2	36.6	33.0	65	28.0	0.00	4.1	9.5
9	39.9	34.0	5.9	34.0	30.3	63	26.6	0.00	6.6	9.6
10	44.5	28.2	16.3	33.9	32.4	84	19.1	0.30	0.5	9.6
11	37.3	36.6	0.7	36.6	36.0	94	31.3	0.13	0.0	9.7
12	39.1	29.9	9.2	31.4	29.0	73	22.7	0.01	4.3	9.7
13	36.5	28.0	8.5	32.0	30.4	83	19.6	0.15	0.2	9.8
14	37.2	28.2	9.0	32.8	32.4	97	18.0	0.03	0.1	9.9
15	39.6	32.8	6.8	34.8	33.1	82	29.8	0.00	0.9	9.9
16	41.7	29.9	11.8	31.6	31.0	93	20.1	0.04	0.0	10.0
17	44.1	31.6	12.5	38.3	37.9	96	30.2	0.09	0.0	10.0
18	43.2	38.3	4.9	40.6	38.7	83	35.3	0.01	0.2	10.1
19	45.0	40.0	5.0	42.6	41.1	87	38.2	0.02	0.0	10.2
20	50.7	37.2	13.5	41.0	39.7	89	26.5	0.00	4.4	10.2
21	49.2	38.2	11.0	41.7	38.5	73	29.2	0.00	0.6	10.3
22	40.3	38.0	2.3	38.0	35.5	76	36.3	0.00	0.0	10.4
23	50.3	32.5	17.8	39.6	36.9	76	21.7	Trace	4.9	10.5
24	44.9	31.4	13.5	36.6	35.3	87	21.2	Trace	4.8	10.5
25	48.8	27.4	21.4	34.0	33.5	95	18.8	0.00	5.1	10.6
26	44.8	34.0	10.8	40.6	38.0	77	28.6	Trace	0.0	10.7
27	38.0	26.7	11.3	32.2	31.8	96	18.4	0.00	0.0	10.7
28	49.2	30.0	19.2	31.0	30.9	99	31.1	0.00	1.9	10.8
29	52.6	31.0	21.6	43.7	42.1	87	26.6	0.00	0.0	10.9
Means	43.4	32.4	11.0	36.4	34.7	84	25.6	Sum 0.84	1.8	9.9

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH				AT THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Record of the Night Sky				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Polaris		δ Ursæ Minoris				Polaris		δ Ursæ Minoris	
	Duration	Fraction of total Exposure	Duration	Fraction of total Exposure			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	hours		hours		hours	hours	hours		hours	
Feb. 1	12.7	1.00	12.6	0.99	2.9	9.2	12.5	1.00	12.5	1.00
2	10.9	0.87	8.7	0.69	6.0	9.2	12.3	1.00	12.3	1.00
3	9.3	0.74	8.2	0.65	5.1	9.3	11.8	0.96	11.5	0.94
4	11.9	0.95	11.4	0.91	2.4	9.3	12.1	0.99	12.0	0.98
5	0.7	0.06	0.6	0.05	7.2	9.4	0.0	0.00	0.0	0.00
6	4.8	0.38	4.6	0.37	0.3	9.5	0.9	0.07	0.1	0.01
7	4.4	0.35	3.5	0.28	3.5	9.5	2.1	0.18	2.0	0.16
8	5.4	0.43	4.5	0.36	6.9	9.6	7.5	0.61	5.3	0.43
9	9.5	0.79	9.1	0.75	8.0	9.6	11.1	0.95	11.0	0.94
10	0.0	0.00	0.0	0.00	1.5	9.7	0.0	0.00	0.0	0.00
11	10.3	0.85	9.3	0.78	0.0	9.7	8.6	0.73	8.6	0.73
12	8.7	0.72	5.7	0.47	7.8	9.8	11.7	1.00	11.3	0.96
13	6.3	0.52	4.4	0.37	6.8	9.9	8.2	0.70	6.3	0.53
14	0.0	0.00	0.0	0.00	0.1	9.9	1.0	0.09	0.9	0.06
15	2.9	0.24	0.0	0.00	6.5	10.0	11.2	0.95	1.9	0.17
16	0.0	0.00	0.0	0.00	0.0	10.0	0.0	0.00	0.0	0.00
17	0.0	0.00	0.0	0.00	0.0	10.1	0.2	0.02	0.1	0.01
18	0.0	0.00	0.0	0.00	0.9	10.1	0.3	0.03	0.1	0.02
19	0.5	0.05	0.0	0.00	0.0	10.2	0.0	0.00	0.0	0.00
20	4.8	0.42	4.3	0.38	7.5	10.3	10.0	0.87	8.9	0.77
21	0.0	0.00	0.0	0.00	1.7	10.3	0.0	0.00	0.0	0.00
22	3.1	0.27	2.4	0.21	0.0	10.4	2.3	0.20	2.0	0.17
23	4.8	0.44	2.0	0.18	4.1	10.5	6.8	0.62	6.2	0.56
24	7.3	0.66	4.9	0.45	0.0	10.5	2.3	0.21	1.2	0.11
25	1.5	0.14	1.2	0.11	2.0	10.6	0.0	0.00	0.0	0.00
26	10.8	0.98	10.7	0.97	3.2	10.7	11.0	1.00	11.0	1.00
27	0.0	0.00	0.0	0.00	4.5	10.8	8.7	0.79	8.4	0.77
28	2.6	0.24	0.0	0.00	2.8	10.8	4.5	0.41	1.6	0.15
29	4.3	0.39	0.7	0.06	0.2	10.9	6.8	0.62	2.7	0.25
Means	4.7	0.40	3.8	0.31	3.2	10.0	5.7	0.48	4.8	0.40

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH									
	Eye Readings made at 09 00 hours of the Temperature of the Air					Degree of Humidity (Saturation = 100)	Lowest Temperature on the Grass	Rainfall (Thrown Back)	Daily Duration of Sunshine	Sun above Horizon
	Highest (Thrown Back)	Lowest	Daily Range	Dry Bulb	Wet Bulb					
	°	°	°	°	°		°	in.	hours	hours
Mar. 1	56.5	35.2	21.3	41.9	41.2	94	26.0	0.00	0.9	10.9
2	50.2	39.8	10.4	47.0	43.8	75	29.2	0.00	0.4	11.0
3	60.4	46.0	14.4	50.2	47.5	81	42.2	0.03	2.3	11.0
4	55.4	43.7	11.7	49.8	47.8	86	31.6	0.08	4.0	11.1
5	52.6	43.1	9.5	46.4	42.6	70	37.6	0.01	2.8	11.2
6	49.8	38.8	11.0	44.9	44.1	93	27.9	0.42	0.0	11.2
7	52.2	44.4	7.8	48.7	47.8	93	44.4	0.29	0.0	11.3
8	58.6	48.3	10.3	52.4	51.3	92	43.7	0.36	2.3	11.3
9	52.8	47.4	5.4	47.8	47.2	95	47.2	0.14	0.0	11.4
10	54.2	41.8	12.4	47.2	45.1	84	36.6	Trace	4.2	11.5
11	58.0	34.6	23.4	43.8	42.7	91	25.6	0.00	5.8	11.6
12	46.4	38.7	7.7	43.0	40.6	79	36.7	0.00	2.8	11.6
13	41.7	37.8	3.9	38.8	36.3	77	36.4	0.01	0.0	11.7
14	47.4	35.2	12.2	40.9	35.1	50	27.5	0.00	9.8	11.8
15	49.9	30.7	19.2	39.4	34.2	53	19.7	0.01	8.2	11.8
16	58.0	39.4	18.6	49.9	48.3	88	33.2	0.01	2.0	11.9
17	58.0	44.0	14.0	52.2	49.3	80	31.5	Trace	1.7	12.0
18	52.2	42.8	9.4	48.5	46.8	87	34.1	0.02	0.2	12.0
19	53.7	42.9	10.8	43.2	42.9	97	30.3	0.02	1.2	12.1
20	57.9	43.2	14.7	50.6	49.5	92	43.4	0.00	1.4	12.1
21	59.0	46.8	12.2	52.1	47.4	69	36.6	0.01	1.2	12.2
22	58.7	49.3	9.4	55.4	51.7	76	47.6	Trace	3.3	12.3
23	54.0	34.5	19.5	46.0	41.6	74	22.9	0.16	0.3	12.3
24	56.8	42.8	14.0	49.2	48.3	93	41.4	0.06	1.0	12.4
25	47.2	40.4	6.8	40.6	39.1	87	40.2	0.08	1.2	12.5
26	45.0	34.8	10.2	37.8	35.6	79	28.8	0.01	1.2	12.6
27	42.2	30.3	11.9	36.8	31.7	54	24.1	0.03	5.9	12.6
28	38.4	29.6	8.8	36.6	34.8	82	25.4	0.13	2.0	12.7
29	32.7	30.9	1.8	31.4	30.9	94	31.6	0.70	0.0	12.7
30	35.8	30.9	4.9	32.4	32.4	100	27.7	0.06	0.0	12.8
31	41.2	32.4	8.8	35.7	32.6	69	31.6	Trace	3.6	12.9
Means	50.9	39.4	11.5	44.5	42.3	82	33.6	Sum 2.64	2.2	11.9

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH				AT THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Record of the Night Sky				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Polaris		δ Ursæ Minoris				Polaris		δ Ursæ Minoris	
	Duration	Fraction of total Exposure	Duration	Fraction of total Exposure			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	hours		hours		hours	hours	hours		hours	
Mar. 1	4.9	0.46	2.9	0.27	3.3	10.9	5.2	0.48	2.0	0.18
2	0.9	0.08	0.3	0.02	3.1	11.0	2.9	0.27	2.4	0.22
3	7.0	0.65	5.8	0.54	3.5	11.1	7.3	0.68	6.9	0.64
4	3.3	0.30	2.5	0.24	3.6	11.1	3.9	0.37	3.3	0.31
5	5.9	0.55	5.1	0.48	8.1	11.2	6.3	0.59	2.7	0.25
6	0.0	0.00	0.0	0.00	0.0	11.2	0.0	0.00	0.0	0.00
7	0.0	0.00	0.0	0.00	0.0	11.3	0.0	0.00	0.0	0.00
8	0.0	0.00	0.0	0.00	0.0	11.3	1.0	0.09	0.1	0.01
9	6.0	0.59	4.6	0.45	0.0	11.4	6.6	0.65	6.4	0.63
10	9.5	0.92	6.1	0.60	6.1	11.5	10.3	1.00	10.3	1.00
11	0.3	0.03	0.2	0.02	1.0	11.5	1.0	0.10	0.0	0.00
12	0.4	0.04	0.2	0.02	8.2	11.6	10.3	1.00	10.3	1.00
13	0.8	0.08	0.4	0.04	0.2	11.7	1.6	0.16	0.9	0.09
14	10.3	1.00	10.3	1.00	10.0	11.8	10.3	1.00	10.3	1.00
15	3.0	0.31	1.7	0.18	7.3	11.8	0.3	0.03	0.1	0.01
16	2.3	0.24	2.1	0.22	3.6	11.9	0.8	0.09	0.4	0.04
17	3.8	0.39	3.2	0.32	2.3	12.0	3.5	0.36	3.1	0.32
18	3.1	0.31	2.4	0.25	1.5	12.0	6.9	0.71	5.1	0.52
19	0.3	0.03	0.0	0.00	4.3	12.1	0.0	0.00	0.0	0.00
20	1.0	0.10	0.6	0.06	1.2	12.2	2.5	0.26	2.4	0.25
21	0.0	0.00	0.0	0.00	1.9	12.2	0.0	0.00	0.0	0.00
22	7.3	0.79	6.3	0.68	3.7	12.3	9.3	1.00	9.3	1.00
23	0.0	0.00	0.0	0.00	1.2	12.3	0.0	0.00	0.0	0.00
24	2.6	0.28	1.3	0.15	2.1	12.4	0.4	0.04	0.0	0.00
25	6.9	0.75	6.5	0.71	0.9	12.4	6.6	0.71	5.0	0.54
26	5.1	0.55	4.6	0.50	5.6	12.5	7.5	0.81	7.2	0.78
27	1.5	0.16	0.6	0.06	5.0	12.6	3.0	0.32	1.2	0.13
28	0.0	0.00	0.0	0.00	5.8	12.7	0.0	0.00	0.0	0.00
29	0.0	0.00	0.0	0.00	0.0	12.7	0.0	0.00	0.0	0.00
30	0.0	0.00	0.0	0.00	0.0	12.8	0.0	0.00	0.0	0.00
31	3.5	0.39	2.5	0.28	3.4	12.9	6.1	0.71	4.5	0.53
Means	2.9	0.29	2.3	0.23	3.1	11.9	3.7	0.37	3.0	0.30

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH									
	Eye Readings made at 09 00 hours of the Temperature of the Air					Degree of Humidity (Saturation = 100)	Lowest Temperature on the Grass	Rainfall (Thrown Back)	Daily Duration of Sunshine	Sun above Horizon
	Highest (Thrown Back)	Lowest	Daily Range	Dry Bulb	Wet Bulb					
	°	°	°	°	°		°	in.	hours	hours
Apr. 1	44.4	31.8	12.6	36.4	34.2	78	27.3	Trace	2.6	12.9
2	45.3	34.2	11.1	39.8	36.8	73	28.2	Trace	2.3	13.0
3	49.3	30.3	19.0	41.4	37.5	66	21.1	0.00	2.1	13.1
4	52.8	40.7	12.1	47.2	41.1	55	37.1	0.00	2.1	13.1
5	56.3	40.3	16.0	50.0	42.3	47	31.1	0.04	4.6	13.2
6	52.7	40.0	12.7	48.2	46.5	87	34.1	0.19	0.0	13.3
7	58.7	47.7	11.0	52.9	51.7	91	45.2	0.17	0.8	13.3
8	60.0	45.7	14.3	51.9	50.6	90	38.6	0.00	0.9	13.4
9	70.8	43.3	27.5	60.0	54.7	69	33.2	0.01	6.6	13.4
10	61.1	51.1	10.0	55.6	50.1	65	44.9	0.15	4.0	13.5
11	62.1	45.5	16.6	53.2	50.0	79	41.8	0.00	3.5	13.6
12	58.7	46.9	11.8	49.3	45.6	73	39.2	Trace	0.1	13.7
13	71.2	48.6	22.6	57.5	54.1	79	38.2	Trace	6.9	13.7
14	66.4	45.6	20.8	60.0	54.0	65	34.0	0.04	8.3	13.8
15	61.3	48.8	12.5	51.1	49.1	86	46.3	0.02	4.5	13.8
16	66.7	48.8	17.9	59.2	54.7	73	39.8	0.00	9.6	13.9
17	68.8	44.3	24.5	54.8	48.2	58	39.4	0.00	11.2	14.0
18	72.8	43.9	28.9	58.8	52.0	60	31.6	0.00	10.8	14.0
19	76.6	47.3	29.3	66.8	58.6	59	36.7	0.07	11.5	14.1
20	64.0	50.4	13.6	55.7	51.0	70	46.8	0.03	6.0	14.2
21	54.1	46.8	7.3	48.8	47.0	86	41.2	0.03	0.0	14.2
22	56.8	45.4	11.4	50.8	45.9	66	43.1	0.10	5.9	14.3
23	58.7	40.8	17.9	50.8	46.5	70	32.1	0.09	6.9	14.4
24	56.6	38.8	17.8	50.2	46.0	70	29.2	0.00	2.4	14.4
25	60.4	35.2	25.2	50.7	46.1	68	25.6	0.00	6.4	14.5
26	64.2	37.4	26.8	54.0	46.7	53	28.5	Trace	7.5	14.5
27	60.4	40.5	19.9	54.9	47.9	56	30.3	0.00	8.9	14.6
28	58.0	39.8	18.2	48.2	42.5	59	28.4	0.00	5.9	14.7
29	67.0	35.3	31.7	56.4	49.5	58	23.3	0.00	13.3	14.7
30	77.4	46.0	31.4	63.3	54.3	52	37.1	0.13	10.9	14.8
Means	61.1	42.7	18.4	52.6	47.8	69	35.1	Sum 1.07	5.5	13.9

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH				AT THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Record of the Night Sky				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Polaris		δ Ursæ Minoris				Polaris		δ Ursæ Minoris	
	Duration	Fraction of total Exposure	Duration	Fraction of total Exposure			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	hours		hours		hours	hours	hours		hours	
Apr. 1	3.3	0.38	2.9	0.33	4.8	12.9	6.1	0.72	4.4	0.52
2	8.7	1.00	8.6	0.98	5.8	13.0	8.3	0.97	8.1	0.95
3	0.0	0.00	0.0	0.00	5.2	13.1	0.0	0.00	0.0	0.00
4	0.8	0.10	0.4	0.04	4.5	13.1	4.3	0.50	3.0	0.35
5	6.1	0.72	5.7	0.67	5.1	13.2	7.6	0.92	6.9	0.84
6	0.0	0.00	0.0	0.00	0.0	13.2	0.0	0.00	0.0	0.00
7	1.3	0.16	0.3	0.03	0.0	13.3	0.0	0.00	0.0	0.00
8	8.2	0.97	8.1	0.95	5.7	13.3	7.3	0.88	6.9	0.83
9	1.7	0.19	0.9	0.10	6.6	13.4	1.9	0.22	1.0	0.12
10	0.6	0.07	0.1	0.01	3.5	13.5	0.4	0.04	0.0	0.00
11	1.7	0.20	1.1	0.13	0.8	13.6	3.5	0.42	3.5	0.42
12	0.5	0.06	0.3	0.04	0.1	13.6	1.1	0.14	0.0	0.00
13	7.8	0.97	7.7	0.96	10.0	13.7	7.4	0.95	7.0	0.91
14	0.1	0.02	0.0	0.00	9.3	13.7	0.0	0.00	0.0	0.00
15	1.7	0.22	0.0	0.00	7.8	13.8	4.6	0.60	3.7	0.47
16	8.0	1.00	8.0	1.00	8.9	13.9	7.7	1.00	7.7	1.00
17	8.0	1.00	8.0	1.00	11.5	13.9	0.0	0.00	0.0	0.00
18	8.0	1.00	8.0	1.00	11.9	14.0	7.7	0.99	7.7	0.99
19	0.8	0.11	0.5	0.06	11.6	14.1	3.8	0.51	1.6	0.22
20	1.7	0.24	1.1	0.15	8.3	14.1	1.6	0.22	0.7	0.09
21	0.8	0.11	0.4	0.06	0.2	14.2	3.5	0.48	3.0	0.42
22	2.4	0.33	1.9	0.26	11.4	14.2	5.0	0.69	4.2	0.58
23	7.0	0.97	7.0	0.97	9.3	14.3	7.3	1.00	7.3	1.00
24	7.1	0.98	7.0	0.97	5.6	14.4	2.7	0.37	1.8	0.24
25	6.6	0.91	5.9	0.81	6.5	14.4	5.2	0.72	5.2	0.72
26	3.7	0.54	3.7	0.54	11.9	14.5	6.2	0.92	4.8	0.71
27	3.2	0.47	2.8	0.42	8.4	14.5	6.2	0.92	5.3	0.79
28	6.7	1.00	6.7	1.00	8.9	14.6	6.7	1.00	6.7	1.00
29	6.7	1.00	6.7	1.00	13.1	14.7	6.7	1.00	6.7	1.00
30	1.2	0.18	0.0	0.00	10.6	14.7	2.7	0.39	1.2	0.17
Means	3.8	0.50	3.5	0.45	6.9	13.8	4.2	0.55	3.6	0.48

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH									
	Eye Readings made at 09 00 hours of the Temperature of the Air					Degree of Humidity (Saturation = 100)	Lowest Temperature on the Grass	Rainfall (Thrown Back)	Daily Duration of Sunshine	Sun above Horizon
	Highest (Thrown Back)	Lowest	Daily Range	Dry Bulb	Wet Bulb					
	°	°	°	°	°		°	in.	hours	hours
May 1	68.6	53.7	14.9	57.6	56.7	95	43.2	0.09	1.2	14.8
2	64.8	50.9	13.9	54.9	53.5	91	46.6	Trace	0.8	14.9
3	57.3	48.7	8.6	55.3	51.7	77	43.8	0.04	0.5	14.9
4	60.0	50.0	10.0	57.5	54.4	81	38.0	0.57	0.2	15.0
5	63.7	50.1	13.6	57.4	54.2	80	47.2	Trace	7.2	15.1
6	60.0	49.8	10.2	57.5	52.5	70	43.8	0.05	1.3	15.1
7	61.8	40.9	20.9	55.7	48.4	55	30.3	0.02	12.7	15.2
8	70.0	49.7	20.3	55.5	51.8	76	42.9	Trace	1.3	15.2
9	67.7	49.4	18.3	59.6	53.3	63	44.6	0.00	9.6	15.3
10	64.1	47.6	16.5	60.4	54.0	63	38.2	Trace	6.7	15.3
11	62.2	51.5	10.7	57.0	51.1	64	45.1	0.02	6.2	15.4
12	62.4	42.5	19.9	58.3	52.1	63	31.4	0.09	6.9	15.5
13	70.4	44.3	26.1	60.0	51.1	51	32.6	0.00	10.2	15.5
14	70.0	50.2	19.8	52.9	51.1	87	40.6	0.00	2.0	15.6
15	73.0	52.9	20.1	64.1	59.3	74	55.6	Trace	3.8	15.6
16	73.2	50.4	22.8	66.4	59.8	66	41.0	Trace	12.9	15.7
17	80.8	49.4	31.4	66.2	59.3	65	36.5	Trace	13.7	15.7
18	83.4	51.5	31.9	71.9	60.4	48	39.4	0.00	11.8	15.7
19	77.0	57.3	19.7	70.7	61.6	57	46.2	0.00	9.8	15.8
20	64.7	52.3	12.4	63.1	54.7	55	46.0	0.00	3.5	15.8
21	64.6	47.0	17.6	61.9	50.4	39	35.2	0.00	14.4	15.9
22	68.2	40.7	27.5	61.6	52.1	48	27.7	0.00	12.9	15.9
23	70.1	44.8	25.3	60.6	48.5	35	31.3	0.00	13.2	16.0
24	73.2	46.0	27.2	62.1	55.9	66	34.0	0.00	7.4	16.0
25	75.2	49.9	25.3	62.0	56.3	69	39.2	0.00	9.5	16.1
26	69.5	51.3	18.2	64.5	57.6	64	38.2	0.00	6.4	16.1
27	73.4	49.8	23.6	64.7	56.5	57	35.6	Trace	5.6	16.2
28	69.5	57.7	11.8	62.0	54.0	56	53.3	0.00	7.6	16.2
29	62.6	47.8	14.8	57.2	48.5	49	41.1	Trace	2.9	16.2
30	68.3	41.3	27.0	57.0	52.5	72	27.6	0.04	1.5	16.2
31	64.9	53.7	11.2	56.8	55.1	89	47.8	0.08	0.1	16.3
Means	68.2	49.1	19.1	60.4	54.1	65	40.1	Sum 1.00	6.6	15.6

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH				AT THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Record of the Night Sky				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Polaris		δ Ursæ Minoris				Polaris		δ Ursæ Minoris	
	Duration	Fraction of total Exposure	Duration	Fraction of total Exposure			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	hours		hours		hours	hours	hours		hours	
May 1	3.0	0.45	2.7	0.40	4.5	14.8	2.9	0.43	1.1	0.16
2	3.6	0.53	2.1	0.32	0.4	14.8	3.3	0.49	0.8	0.12
3	2.7	0.43	2.4	0.38	1.6	14.9	5.2	0.83	4.7	0.75
4	1.2	0.19	0.6	0.10	0.0	14.9	5.7	0.92	4.5	0.72
5	4.3	0.68	3.6	0.58	5.5	15.0	3.1	0.50	1.9	0.32
6	4.3	0.69	4.1	0.66	0.8	15.0	5.5	0.88	3.1	0.51
7	1.9	0.30	1.5	0.23	13.0	15.1	2.4	0.38	1.7	0.28
8	0.0	0.00	0.0	0.00	3.7	15.1	0.5	0.08	0.1	0.01
9	5.5	0.88	5.4	0.86	11.3	15.2	5.3	0.85	4.9	0.80
10	0.8	0.14	0.0	0.00	5.9	15.2	0.3	0.06	0.0	0.00
11	5.7	1.00	5.7	1.00	10.8	15.3	5.8	1.00	5.7	0.99
12	4.5	0.78	3.6	0.62	6.5	15.3	4.5	0.80	3.5	0.61
13	5.6	0.97	5.6	0.97	8.4	15.4	1.8	0.32	1.3	0.23
14	0.2	0.03	0.1	0.02	2.2	15.5	3.3	0.57	1.3	0.24
15	5.7	0.99	5.7	0.99	9.4	15.5	5.7	1.00	5.7	1.00
16	5.7	1.00	5.7	1.00	14.1	15.6	5.7	1.00	5.7	1.00
17	5.3	1.00	5.3	1.00	14.3	15.6	5.3	1.00	5.3	1.00
18	4.3	0.82	4.0	0.76	13.1	15.7	3.7	0.70	2.2	0.42
19	2.1	0.40	1.0	0.19	9.5	15.7	4.2	0.79	3.4	0.64
20	5.3	1.00	5.3	1.00	8.3	15.8	5.3	1.00	5.3	1.00
21	5.3	1.00	5.3	1.00	14.9	15.8	5.3	1.00	5.3	1.00
22	5.3	1.00	5.3	1.00	14.4	15.8	5.3	1.00	5.3	1.00
23	5.3	1.00	5.3	1.00	14.7	15.9	1.9	0.35	1.7	0.32
24	3.1	0.65	0.0	0.00	10.7	15.9	3.8	0.79	2.4	0.51
25	4.7	1.00	4.6	0.98	10.3	16.0	4.7	1.00	4.6	0.97
26	3.5	0.73	3.3	0.70	9.0	16.0	1.6	0.34	1.5	0.32
27	0.3	0.06	0.2	0.04	7.1	16.0	1.4	0.29	1.1	0.23
28	3.3	0.68	2.8	0.59	5.8	16.1	3.8	0.79	3.0	0.64
29	2.9	0.61	2.4	0.50	4.9	16.1	3.9	0.83	3.2	0.68
30	0.1	0.02	0.0	0.00	3.3	16.1	1.0	0.21	0.1	0.02
31	0.5	0.12	0.3	0.07	0.6	16.2	2.2	0.49	0.9	0.20
Means	3.4	0.62	3.0	0.55	7.7	15.5	3.7	0.67	2.9	0.54

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH									
	Eye Readings made at 09 00 hours of the Temperature of the Air					Degree of Humidity (Saturation = 100)	Lowest Temperature on the Grass	Rainfall (Thrown Back)	Daily Duration of Sunshine	Sun above Horizon
	Highest (Thrown Back)	Lowest	Daily Range	Dry Bulb	Wet Bulb					
	°	°	°	°	°		°	in.	hours	hours
June 1	67.3	56.1	11.2	62.3	59.0	81	50.2	0.02	6.1	16.3
2	64.6	52.4	12.2	61.6	53.6	56	45.2	0.06	5.6	16.4
3	68.3	45.9	22.4	59.8	50.3	46	37.8	0.00	10.3	16.4
4	72.3	42.8	29.5	64.1	54.8	52	29.2	0.00	13.1	16.4
5	75.2	49.3	25.9	68.8	58.0	48	36.6	0.00	6.6	16.4
6	76.2	53.9	22.3	71.3	59.5	46	39.2	0.38	5.0	16.5
7	63.0	46.3	16.7	57.5	48.9	49	36.8	0.00	9.8	16.5
8	64.4	41.0	23.4	61.2	51.1	45	28.2	0.30	3.6	16.5
9	64.2	50.6	13.6	55.9	53.3	84	49.4	Trace	0.5	16.5
10	74.8	47.3	27.5	64.2	59.4	74	34.5	0.00	10.3	16.6
11	76.7	52.2	24.5	65.7	56.7	54	38.0	0.00	9.9	16.6
12	77.0	53.4	23.6	71.0	61.7	57	40.6	0.09	11.4	16.6
13	75.2	57.8	17.4	64.4	62.0	87	49.6	0.00	3.4	16.6
14	67.8	59.3	8.5	61.0	58.2	83	49.4	0.05	0.5	16.6
15	59.4	52.3	7.1	52.2	51.7	97	51.0	0.02	1.7	16.6
16	67.4	44.9	22.5	57.7	49.4	51	32.0	0.00	12.7	16.6
17	70.7	45.3	25.4	58.5	51.2	57	33.2	0.17	4.3	16.6
18	67.8	54.8	13.0	59.5	55.3	75	51.6	0.03	9.4	16.6
19	64.8	48.5	16.3	59.4	49.7	45	37.6	0.00	8.5	16.6
20	66.4	48.4	18.0	61.9	53.5	54	37.6	0.00	2.9	16.6
21	66.2	52.2	14.0	62.6	55.4	61	43.1	0.15	1.3	16.6
22	71.4	53.8	17.6	63.2	58.7	75	49.0	0.13	1.0	16.6
23	69.4	48.4	21.0	57.7	51.0	66	39.6	0.00	13.9	16.6
24	78.3	50.3	28.0	64.6	55.7	54	37.2	0.00	7.6	16.6
25	79.4	53.8	25.6	66.8	60.3	67	46.0	Trace	6.6	16.6
26	73.0	59.4	13.6	66.2	60.3	70	54.2	0.00	6.5	16.6
27	81.8	57.2	24.6	71.3	63.5	63	46.2	0.00	5.4	16.6
28	86.3	58.1	28.2	77.7	64.7	47	45.6	0.00	12.1	16.6
29	89.4	59.6	29.8	74.4	63.0	50	45.7	0.00	13.0	16.6
30	89.4	63.8	25.6	77.6	67.8	59	50.7	0.00	12.8	16.6
Means	72.3	52.0	20.3	64.0	56.6	62	42.2	Sum 1.40	7.2	16.5

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH				AT THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Record of the Night Sky				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Polaris		δ Ursæ Minoris				Polaris		δ Ursæ Minoris	
	Duration	Fraction of total Exposure	Duration	Fraction of total Exposure			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	hours		hours		hours	hours	hours		hours	
June 1	3.6	0.79	3.4	0.75	3.9	16.2	4.2	0.93	4.2	0.93
2	4.5	0.99	4.5	0.99	7.5	16.2	4.3	0.96	3.9	0.88
3	4.5	1.00	4.5	1.00	12.3	16.3	4.5	1.00	4.5	1.00
4	3.9	0.86	2.9	0.64	13.4	16.3	4.3	0.94	4.2	0.93
5	3.8	0.84	3.5	0.79	8.5	16.3	1.9	0.43	0.9	0.19
6	2.2	0.49	2.0	0.44	6.5	16.4	1.9	0.43	1.2	0.26
7	4.4	0.98	4.4	0.98	7.9	16.4	3.2	0.71	2.7	0.61
8	0.0	0.00	0.0	0.00	5.9	16.4	0.0	0.00	0.0	0.00
9	4.5	1.00	4.5	1.00	0.6	16.4	0.7	0.15	0.3	0.08
10	4.5	1.00	3.4	0.75	9.4	16.4	1.1	0.24	1.1	0.24
11	3.0	0.66	2.9	0.63	11.7	16.5	4.5	0.99	4.1	0.92
12	0.9	0.20	0.9	0.20	13.4	16.5	0.0	0.00	0.0	0.00
13	0.9	0.20	0.6	0.13	6.9	16.5	0.0	0.00	0.0	0.00
14	0.0	0.00	0.0	0.00	0.8	16.5	1.3	0.30	1.0	0.23
15	3.7	0.82	3.7	0.82	4.2	16.5	2.5	0.58	1.1	0.26
16	4.1	0.90	2.7	0.60	10.6	16.5	4.1	0.97	4.1	0.96
17	0.0	0.00	0.0	0.00	8.4	16.5	0.0	0.00	0.0	0.00
18	3.0	0.67	2.5	0.55	11.4	16.5	4.3	1.00	4.3	1.00
19	4.5	1.00	4.2	0.94	9.5	16.5	4.3	1.00	3.9	0.93
20	2.0	0.44	1.7	0.37	3.4	16.5	3.5	0.83	3.4	0.80
21	0.0	0.00	0.0	0.00	4.8	16.5	0.5	0.12	0.4	0.10
22	2.9	0.64	2.7	0.60	2.0	16.6	0.6	0.15	0.6	0.15
23	4.5	1.00	4.5	1.00	14.6	16.5	4.3	1.00	4.3	1.00
24	2.7	0.60	2.3	0.51	11.4	16.5	0.0	0.00	0.0	0.00
25	0.0	0.00	0.0	0.00	9.4	16.5	2.8	0.65	1.3	0.32
26	0.5	0.10	0.3	0.06	9.8	16.5	0.0	0.00	0.0	0.00
27	4.5	1.00	4.5	1.00	10.4	16.5	3.9	0.92	3.7	0.87
28	4.4	0.98	4.4	0.98	14.3	16.5	4.5	1.00	4.5	1.00
29	4.5	1.00	4.5	1.00	14.1	16.5	4.5	1.00	4.5	1.00
30	4.5	1.00	4.5	1.00	15.4	16.5	4.5	1.00	4.5	1.00
Means	2.9	0.64	2.7	0.59	8.7	16.4	2.5	0.58	2.3	0.52

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH									
	Eye Readings made at 09 00 hours of the Temperature of the Air					Degree of Humidity (Saturation = 100)	Lowest Temperature on the Grass	Rainfall (Thrown Back)	Daily Duration of Sunshine	Sun above Horizon
	Highest (Thrown Back)	Lowest	Daily Range	Dry Bulb	Wet Bulb					
	°	°	°	°	°		°	in.	hours	hours
July 1	87.0	66.6	20.4	81.8	70.5	55	50.7	Trace	13.1	16.6
2	85.4	64.1	21.3	70.7	65.9	76	54.0	0.14	4.3	16.6
3	59.3	52.8	6.5	56.4	53.7	83	50.0	0.35	0.0	16.5
4	69.5	51.4	18.1	58.4	54.7	78	49.3	0.00	2.7	16.5
5	78.9	54.7	24.2	69.2	58.9	51	49.0	0.00	13.7	16.5
6	87.3	59.5	27.8	71.2	65.4	71	53.8	Trace	5.1	16.4
7	78.7	53.9	24.8	71.7	61.3	53	43.3	0.00	12.6	16.4
8	72.4	59.3	13.1	69.7	62.4	64	49.7	0.00	1.5	16.4
9	78.0	55.3	22.7	67.0	60.4	67	44.6	0.00	7.6	16.4
10	80.0	57.4	22.6	68.2	60.7	63	46.6	0.00	10.7	16.3
11	73.4	57.3	16.1	66.4	59.5	65	47.0	0.19	6.0	16.3
12	66.8	55.2	11.6	62.8	56.3	65	49.6	0.00	3.1	16.3
13	76.4	56.1	20.3	63.0	55.7	61	52.9	0.00	8.6	16.3
14	70.3	58.3	12.0	61.3	53.7	58	51.7	0.00	1.2	16.2
15	69.5	49.3	20.2	62.0	53.7	55	35.4	Trace	3.3	16.2
16	70.7	47.8	22.9	64.2	54.3	49	34.1	0.00	10.1	16.2
17	68.7	53.8	14.9	63.3	56.9	66	46.7	0.03	0.5	16.1
18	70.2	57.8	12.4	61.8	57.6	76	53.1	0.00	0.2	16.1
19	82.5	61.5	21.0	67.3	60.0	63	59.0	0.00	7.0	16.0
20	86.3	57.5	28.8	72.0	62.6	57	44.0	0.00	9.9	16.0
21	83.0	64.7	18.3	70.2	63.7	69	62.0	0.00	1.5	16.0
22	86.3	64.1	22.2	74.0	65.4	61	51.3	0.00	10.5	15.9
23	73.0	62.3	10.7	68.0	63.0	75	50.7	Trace	1.6	15.9
24	73.2	52.8	20.4	60.8	53.4	58	41.3	0.00	12.0	15.8
25	79.2	51.2	28.0	66.0	55.2	46	35.6	0.00	7.5	15.8
26	79.8	61.5	18.3	69.5	61.7	62	46.5	0.00	5.1	15.8
27	67.2	57.3	9.9	61.5	53.0	53	49.0	0.00	3.0	15.7
28	64.6	51.0	13.6	58.2	52.3	65	34.2	0.00	1.0	15.6
29	72.0	55.4	16.6	62.1	53.3	52	45.2	Trace	6.0	15.6
30	79.0	54.0	25.0	67.8	61.1	66	41.0	0.00	6.8	15.5
31	74.2	55.2	19.0	69.2	61.2	61	43.6	0.00	7.2	15.5
Means	75.6	56.7	18.8	66.3	59.0	63	47.3	Sum 0.71	5.9	16.1

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1952	AT THE ROYAL OBSERVATORY, GREENWICH				AT THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Record of the Night Sky				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Polaris		δ Ursæ Minoris				Polaris		δ Ursæ Minoris	
	Duration	Fraction of total Exposure	Duration	Fraction of total Exposure			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	hours		hours		hours	hours	hours		hours	
July 1	4.4	0.97	4.4	0.97	14.4	16.5	4.5	0.99	4.2	0.93
2	0.0	0.00	0.0	0.00	8.7	16.4	0.5	0.11	0.3	0.06
3	0.0	0.00	0.0	0.00	0.0	16.4	0.0	0.00	0.0	0.00
4	4.5	1.00	4.5	1.00	6.6	16.4	4.4	0.98	3.9	0.87
5	4.7	0.99	4.7	0.99	13.5	16.4	3.6	0.80	3.1	0.69
6	4.7	1.00	4.7	1.00	9.3	16.3	4.5	1.00	4.5	1.00
7	4.6	0.98	4.6	0.98	12.8	16.3	4.5	1.00	4.5	1.00
8	4.7	1.00	4.7	1.00	9.3	16.3	2.2	0.49	1.7	0.37
9	4.0	0.84	3.9	0.82	7.8	16.3	4.5	1.00	4.5	1.00
10	4.5	0.96	4.4	0.94	9.0	16.2	4.5	1.00	4.5	1.00
11	0.3	0.06	0.2	0.04	7.7	16.2	0.0	0.00	0.0	0.00
12	0.0	0.00	0.0	0.00	5.3	16.2	2.3	0.48	2.0	0.43
13	0.9	0.18	0.8	0.16	4.3	16.1	2.4	0.50	0.9	0.20
14	2.3	0.45	2.1	0.40	0.2	16.1	0.5	0.10	0.2	0.04
15	2.1	0.40	1.8	0.35	4.1	16.1	1.9	0.39	1.4	0.30
16	0.3	0.06	0.2	0.03	12.5	16.0	4.7	1.00	4.7	1.00
17	0.3	0.06	0.1	0.03	1.0	16.0	0.0	0.00	0.0	0.00
18	0.0	0.00	0.0	0.00	0.6	16.0	1.3	0.27	1.1	0.23
19	5.7	1.00	5.7	1.00	9.6	16.0	5.3	1.00	5.3	1.00
20	1.3	0.23	1.3	0.23	14.1	15.9	4.4	0.84	4.2	0.81
21	4.1	0.72	4.0	0.70	3.7	15.9	4.3	0.83	4.2	0.81
22	5.7	1.00	5.7	1.00	11.2	15.8	5.2	0.99	5.0	0.95
23	4.5	0.78	4.5	0.78	6.0	15.8	2.6	0.49	2.4	0.46
24	5.7	1.00	5.7	1.00	14.0	15.7	5.3	1.00	5.3	1.00
25	1.5	0.26	1.2	0.20	14.1	15.7	3.8	0.72	3.2	0.61
26	3.7	0.60	3.4	0.55	4.2	15.6	4.4	0.77	3.8	0.66
27	6.0	0.96	5.9	0.95	7.1	15.6	5.6	0.97	5.3	0.93
28	0.5	0.08	0.3	0.05	5.2	15.5	1.7	0.30	0.9	0.16
29	4.8	0.77	3.6	0.58	4.2	15.5	3.5	0.61	3.4	0.59
30	4.4	0.70	4.1	0.65	8.5	15.4	5.7	1.00	5.7	1.00
31	3.4	0.55	3.0	0.48	5.3	15.4	3.6	0.63	3.1	0.53
Means	3.0	0.57	2.9	0.54	7.6	16.0	3.3	0.65	3.0	0.60

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

AT THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX

Day 1952	AUGUST						SEPTEMBER					
	Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
			Polaris		δ Ursæ Minoris				Polaris		δ Ursæ Minoris	
			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	hours	hours	hours		hours		hours	hours	hours		hours	
1	10.3	15.4	0.0	0.00	0.0	0.00	11.1	13.6	7.8	0.98	6.8	0.85
2	3.5	15.3	5.8	0.93	5.8	0.93	5.1	13.5	6.4	0.80	4.4	0.55
3	12.3	15.3	3.9	0.63	3.5	0.55	0.1	13.4	5.4	0.68	4.1	0.51
4	8.6	15.2	5.0	0.79	4.3	0.69	4.4	13.4	1.3	0.16	0.4	0.05
5	1.4	15.2	3.9	0.62	3.6	0.58	0.8	13.3	7.5	0.93	7.1	0.89
6	2.5	15.1	1.5	0.24	1.4	0.23	5.2	13.2	5.4	0.64	3.3	0.39
7	2.1	15.0	3.6	0.58	3.1	0.49	0.0	13.2	2.0	0.24	1.4	0.16
8	3.1	15.0	0.3	0.05	0.2	0.04	5.9	13.1	1.7	0.20	1.3	0.16
9	5.9	14.9	3.5	0.52	2.4	0.36	0.1	13.1	6.6	0.78	6.1	0.72
10	9.2	14.9	2.5	0.36	2.2	0.33	7.0	13.0	2.6	0.31	2.0	0.23
11	1.3	14.8	4.7	0.70	4.4	0.65	5.5	12.9	3.9	0.45	0.7	0.08
12	7.6	14.8	5.6	0.83	4.1	0.60	3.0	12.9	8.5	1.00	8.0	0.94
13	10.5	14.7	1.7	0.26	1.6	0.24	6.9	12.8	9.0	1.00	9.0	1.00
14	7.9	14.6	2.6	0.39	1.9	0.29	5.2	12.7	0.7	0.07	0.2	0.02
15	3.3	14.6	1.3	0.19	0.9	0.14	7.4	12.7	8.9	0.99	8.7	0.97
16	1.3	14.5	2.9	0.41	2.4	0.34	11.2	12.6	9.0	1.00	9.0	1.00
17	11.4	14.5	2.0	0.29	1.5	0.21	2.8	12.5	4.6	0.51	2.3	0.25
18	0.0	14.4	0.0	0.00	0.0	0.00	7.6	12.5	8.9	0.99	8.3	0.93
19	2.9	14.3	4.3	0.61	3.6	0.52	6.4	12.4	3.5	0.39	2.6	0.29
20	5.4	14.3	1.2	0.17	1.0	0.14	9.0	12.3	0.0	0.00	0.0	0.00
21	7.4	14.2	6.6	0.94	3.6	0.52	3.8	12.3	..	..	..	..
22	11.9	14.2	7.0	1.00	7.0	1.00	8.7	12.2	6.3	0.65	5.3	0.55
23	12.1	14.1	5.2	0.69	5.0	0.67	7.2	12.2	9.4	0.96	8.9	0.91
24	12.8	14.0	7.5	1.00	7.5	1.00	0.2	12.1	0.0	0.00	0.0	0.00
25	7.9	14.0	7.5	1.00	7.5	1.00	5.6	12.0	8.7	0.89	7.9	0.81
26	11.6	13.9	5.7	0.76	3.5	0.46	9.0	12.0	0.0	0.00	0.0	0.00
27	9.9	13.9	5.2	0.69	4.7	0.62	5.3	11.9	10.0	1.00	10.0	1.00
28	11.8	13.8	7.5	1.00	7.5	1.00	2.7	11.8	3.6	0.36	2.2	0.22
29	8.1	13.8	3.1	0.41	1.3	0.17	6.5	11.8	4.1	0.41	3.7	0.37
30	4.3	13.7	3.1	0.39	3.1	0.39	0.0	11.7	1.3	0.13	0.9	0.09
31	3.7	13.6	1.5	0.19	0.9	0.11						
Means	6.8	14.5	3.7	0.54	3.2	0.46	5.1	12.6	5.1	0.57	4.3	0.48

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

AT THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX

Day 1952	OCTOBER						NOVEMBER					
	Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
			Polaris		δ Ursæ Minoris				Polaris		δ Ursæ Minoris	
			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	hours	hours	hours		hours		hours	hours	hours		hours	
1	0.0	11.7	1.7	0.17	0.4	0.04	0.0	9.7	5.5	0.45	4.5	0.36
2	0.0	11.6	0.4	0.04	0.2	0.02	0.0	9.7	6.3	0.51	4.8	0.39
3	4.5	11.6	2.1	0.21	1.7	0.17	8.3	9.6	12.3	1.00	12.3	1.00
4	6.5	11.5	7.0	0.67	5.6	0.53	0.6	9.5	0.1	0.01	0.1	0.01
5	10.0	11.4	4.2	0.40	3.2	0.30	0.4	9.5	8.3	0.67	6.5	0.53
6	2.4	11.3	10.5	1.00	10.5	1.00	0.0	9.4	2.0	0.17	1.3	0.11
7	5.9	11.3	9.7	0.92	9.4	0.89	6.9	9.4	12.3	1.00	12.3	1.00
8	9.7	11.2	9.5	0.90	8.8	0.84	7.2	9.3	10.7	0.85	10.1	0.81
9	1.4	11.1	5.3	0.50	4.0	0.38	1.6	9.3	1.1	0.08	0.4	0.03
10	7.3	11.1	10.2	0.97	10.2	0.97	0.5	9.2	5.9	0.47	5.0	0.40
11	8.4	11.0	10.0	0.92	9.0	0.82	7.6	9.2	12.4	0.99	12.3	0.98
12	6.2	11.0	1.7	0.15	0.8	0.07	6.6	9.1	6.8	0.55	2.8	0.22
13	1.3	10.9	1.2	0.11	0.9	0.08	5.4	9.1	9.4	0.75	8.1	0.64
14	1.3	10.8	11.0	1.00	11.0	1.00	5.9	9.0	12.5	1.00	12.5	1.00
15	8.1	10.8	9.9	0.89	9.0	0.82	0.6	9.0	8.1	0.62	6.5	0.50
16	2.1	10.7	2.1	0.19	1.7	0.15	5.4	8.9	8.4	0.65	7.1	0.55
17	6.1	10.6	10.6	0.97	7.4	0.67	1.9	8.9	11.3	0.87	10.0	0.77
18	2.8	10.6	1.5	0.14	0.0	0.00	0.0	8.8	0.0	0.00	0.0	0.00
19	0.0	10.5	0.0	0.00	0.0	0.00	0.0	8.8	0.0	0.00	0.0	0.00
20	0.0	10.4	0.5	0.04	0.0	0.00	0.0	8.7	0.0	0.00	0.0	0.00
21	0.1	10.4	3.8	0.33	3.3	0.28	0.0	8.7	3.8	0.29	2.3	0.17
22	2.6	10.3	2.5	0.22	1.8	0.15	0.1	8.7	13.3	1.00	13.3	1.00
23	7.9	10.3	3.3	0.29	2.4	0.21	4.3	8.6	10.7	0.80	10.3	0.78
24	4.8	10.2	10.9	0.95	9.2	0.80	7.2	8.6	13.3	1.00	13.3	1.00
25	4.9	10.1	10.3	0.88	8.6	0.74	5.5	8.5	3.0	0.23	1.7	0.13
26	7.7	10.1	7.8	0.66	6.8	0.58	0.0	8.5	0.0	0.00	0.0	0.00
27	0.1	10.0	0.0	0.00	0.0	0.00	0.0	8.4	0.0	0.00	0.0	0.00
28	0.0	10.0	8.5	0.72	5.8	0.48	3.8	8.4	9.7	0.73	8.0	0.60
29	5.3	9.9	11.4	0.97	9.3	0.79	0.0	8.4	0.0	0.00	0.0	0.00
30	6.5	9.9	10.4	0.89	9.5	0.81	0.0	8.3	6.5	0.48	3.7	0.28
31	3.2	9.8	3.8	0.32	3.3	0.28						
Means	4.1	10.7	5.9	0.53	5.0	0.45	2.7	9.0	6.5	0.51	5.6	0.44

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

AT THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX

DECEMBER

Day 1952	Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky				Day 1952	Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
			Polaris		δ Ursæ Minoris					Polaris		δ Ursæ Minoris	
			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure				Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	hours	hours	hours		hours			hours	hours	hours		hours	
1	3.5	8.3	12.7	0.94	12.5	0.93	16	0.0	8.0	5.1	0.37	3.7	0.27
2	7.3	8.2	4.8	0.35	4.8	0.35	17	6.1	8.0	0.7	0.05	0.6	0.04
3	6.0	8.2	13.1	0.97	12.6	0.93	18	1.2	8.0	1.3	0.09	0.0	0.00
4	3.5	8.2	13.5	1.00	13.5	1.00	19	1.8	8.0	9.6	0.70	7.7	0.56
5	5.7	8.2	12.1	0.90	10.6	0.79	20	0.2	7.9	2.3	0.17	2.2	0.16
6	5.5	8.1	13.5	1.00	13.5	1.00	21	1.5	7.9	5.8	0.42	4.7	0.34
7	3.0	8.1	11.7	0.87	11.4	0.84	22	0.0	7.9	4.8	0.35	1.1	0.08
8	5.9	8.1	8.9	0.66	8.9	0.66	23	0.1	7.9	0.0	0.00	0.0	0.00
9	0.0	8.1	0.6	0.05	0.2	0.01	24	1.7	7.9	12.7	0.92	11.9	0.87
10	0.0	8.0	1.1	0.08	0.3	0.02	25	3.6	8.0	2.1	0.15	1.5	0.11
11	2.4	8.0	6.2	0.46	4.9	0.36	26	0.0	8.0	12.7	0.92	10.9	0.80
12	1.6	8.0	2.9	0.21	0.1	0.01	27	0.1	8.0	0.0	0.00	0.0	0.00
13	0.7	8.0	7.8	0.57	7.4	0.54	28	0.1	8.0	0.8	0.06	0.0	0.00
14	4.7	8.0	10.9	0.80	10.1	0.73	29	0.3	8.0	8.1	0.59	6.4	0.47
15	5.3	8.0	7.8	0.57	7.6	0.55	30	3.3	8.0	0.0	0.00	0.0	0.00
							31	0.5	8.0	13.7	1.00	13.7	1.00
							Means	2.4	8.0	6.7	0.49	5.9	0.43

TABLE XVIII. - AMOUNT OF RAIN COLLECTED AT GREENWICH IN EACH MONTH OF THE YEAR 1952

Gauges partly sunk in the Ground in the Christie Enclosure	Monthly Amount of Rain collected in each Gauge													Height of Receiving Surface	
	Number of Gauge	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Sums	Above the Ground	Above Mean Sea Level
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	ft. in.	ft. in.
	6	1.73	0.84	2.64	1.07	1.00	1.40	0.71	..	..	..	..	..	..	0 5	149 6
	8	1.77	0.85	2.64	1.06	0.97	1.34	0.66	..	..	..	..	..	..	1 0	150 1
Number of Rainy Days (0.005 in. or over)		17	12	21	13	9	11	4	..	..	..	..	..	..	..	..

TABLE XIX. - TOTAL AMOUNT OF SUNSHINE REGISTERED AT THE ROYAL OBSERVATORY, GREENWICH IN EACH HOUR OF THE DAY IN EACH MONTH AS DERIVED FROM THE RECORDS OF THE CAMPBELL-STOKES SELF-REGISTERING INSTRUMENT

MONTH 1952	Registered duration of Sunshine in the Hour ending:-																Total Registered Duration of Sunshine in each Month	Corresponding aggregate Period during which the Sun was above the Horizon	Proportion of Sunshine	Mean Altitude of the Sun at Noon
	5h	6h	7h	8h	9h	10h	11h	Noon	13h	14h	15h	16h	17h	18h	19h	20h				
	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h		o
January					0.8	6.2	7.2	7.4	7.8	6.6	4.9	0.8					41.7	260.1	0.160	18
February					3.8	7.4	9.3	9.2	10.0	5.6	5.4	1.2	0.5				52.4	288.5	0.182	26
March			0.7	3.6	7.6	5.5	6.4	9.2	8.9	8.8	8.8	7.4	2.8				69.7	368.5	0.189	37
April		2.3	8.8	12.9	14.7	16.1	16.6	15.5	16.1	16.7	15.8	12.1	10.6	7.7	0.6		166.5	416.1	0.400	48
May	0.6	7.0	12.6	14.1	15.9	15.0	15.7	17.2	16.5	17.5	19.1	15.8	14.7	13.5	8.5	0.1	203.8	484.2	0.421	57
June	3.5	9.8	12.7	16.7	17.4	15.4	13.4	16.5	15.5	14.1	17.2	19.9	16.2	14.3	10.9	2.3	215.8	496.5	0.435	62
July	1.7	9.7	13.9	13.7	14.8	16.1	14.0	15.0	15.3	14.4	12.3	10.1	11.7	11.4	8.4	0.9	183.4	499.4	0.367	60

The hours are reckoned from "Apparent" midnight.

TABLE XIX(A). - TOTAL AMOUNT OF SUNSHINE REGISTERED AT THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX IN EACH HOUR OF THE DAY IN EACH MONTH AS DERIVED FROM THE RECORDS OF THE CAMPBELL-STOKES SELF-REGISTERING INSTRUMENT

MONTH 1952	Registered duration of Sunshine in the Hour ending:-																Total Registered Duration of Sunshine in each Month	Corresponding aggregate Period during which the Sun was above the Horizon	Proportion of Sunshine	Mean Altitude of the Sun at Noon
	5h	6h	7h	8h	9h	10h	11h	Noon	13h	14h	15h	16h	17h	18h	19h	20h				
	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h		o
January					6.1	13.4	16.8	17.5	14.9	15.5	12.0	5.6	0.2				102.0	263.0	0.388	18
February				0.9	7.7	9.8	12.5	12.3	13.0	13.6	12.9	8.6	0.6				91.9	289.8	0.317	26
March			0.4	3.9	7.9	9.4	9.4	10.8	11.7	10.9	10.7	11.2	8.3	2.3			96.9	368.4	0.263	37
April		1.8	9.9	14.5	16.0	19.5	19.9	20.6	19.8	19.1	16.8	18.5	15.1	12.6	3.2		207.3	414.9	0.500	49
May	2.1	8.9	11.8	13.5	16.5	18.0	20.4	19.1	20.7	20.0	21.8	20.0	17.5	16.1	11.4	1.2	239.0	481.3	0.497	58
June	3.7	11.2	15.0	16.6	18.8	19.9	19.6	19.4	18.4	17.7	20.3	20.5	19.2	20.4	17.1	4.6	262.4	493.4	0.532	62
July	2.5	12.1	13.2	17.0	17.9	16.7	15.4	14.8	15.9	18.5	19.1	18.5	18.5	18.1	13.9	2.2	234.3	496.1	0.472	60
August		2.0	8.2	16.5	18.5	17.4	17.0	17.8	18.4	17.1	16.8	19.6	19.8	17.5	5.3	0.1	212.0	450.0	0.471	53
September			4.4	11.0	14.1	15.3	16.0	15.3	15.9	15.7	14.7	14.9	12.7	3.7			153.7	379.1	0.405	42
October			0.1	6.7	13.3	17.7	14.8	14.7	14.7	14.1	12.2	14.1	4.7				127.1	332.1	0.383	31
November				1.0	5.1	11.3	12.1	12.2	13.0	11.9	9.8	3.4					79.8	269.2	0.296	21
December					3.4	10.0	13.0	12.2	13.2	10.9	10.8	2.1					75.6	249.0	0.304	16
For the Year	8.3	36.0	63.0	101.6	145.3	178.4	186.9	186.7	189.6	185.0	177.9	157.0	116.6	90.7	50.9	8.1	1882.0	4486.3	0.419	..

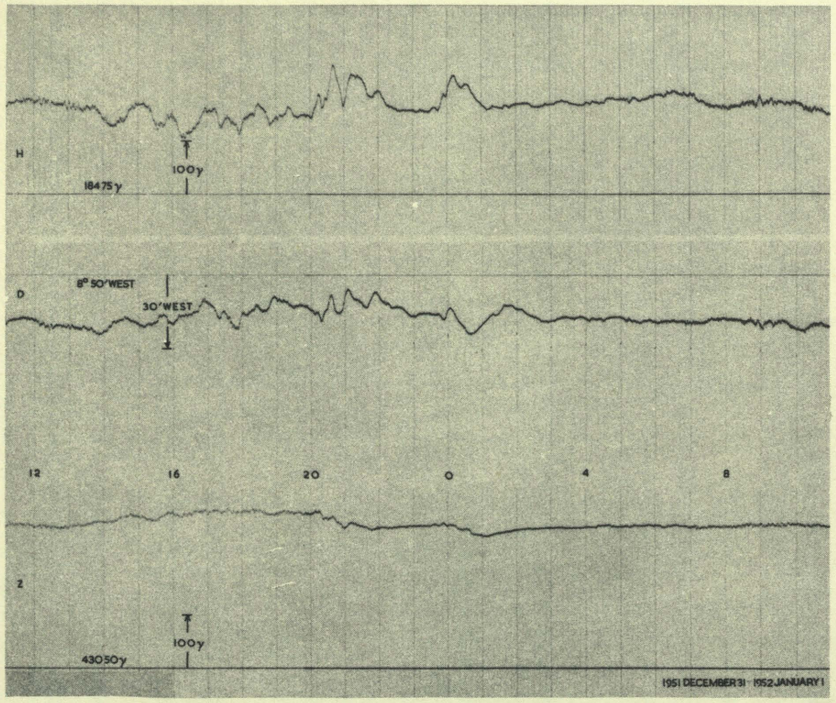
The hours are reckoned from "Apparent" midnight.

ROYAL GREENWICH OBSERVATORY

Magnetograms

ABINGER

1952


H
18475γ
100γ
D
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30' WEST
12
16
20
0
4
8
Z
43050γ
100γ
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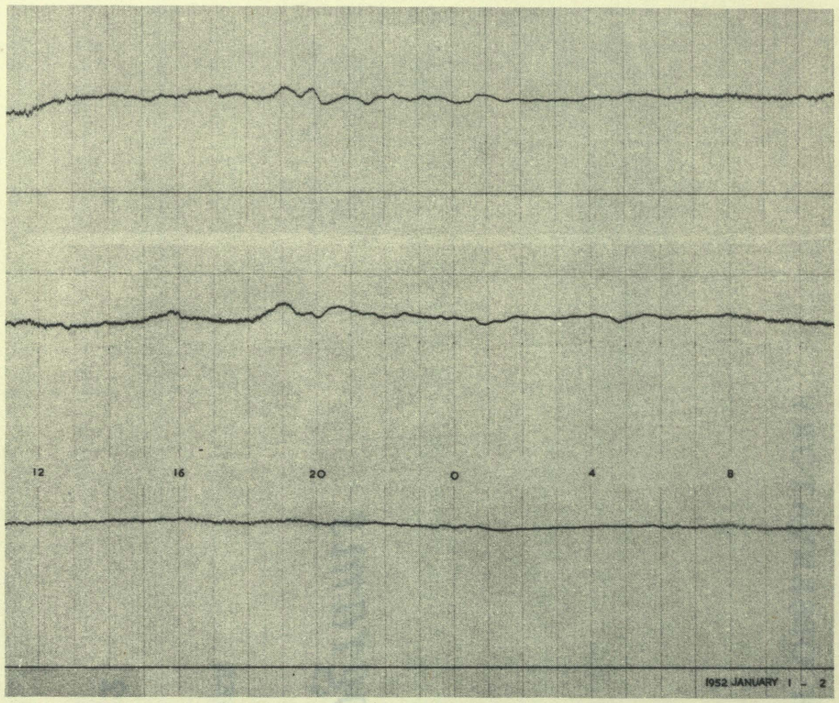
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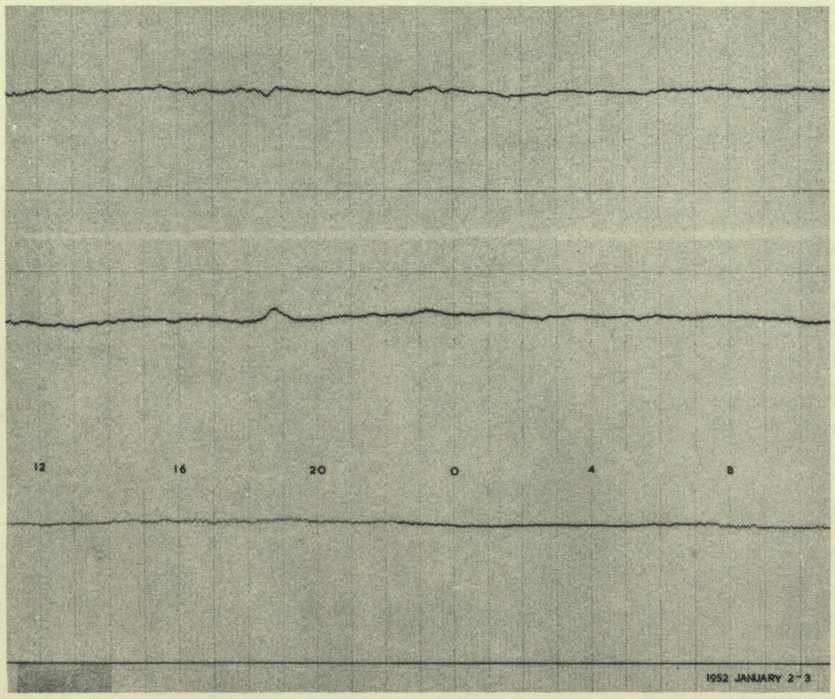
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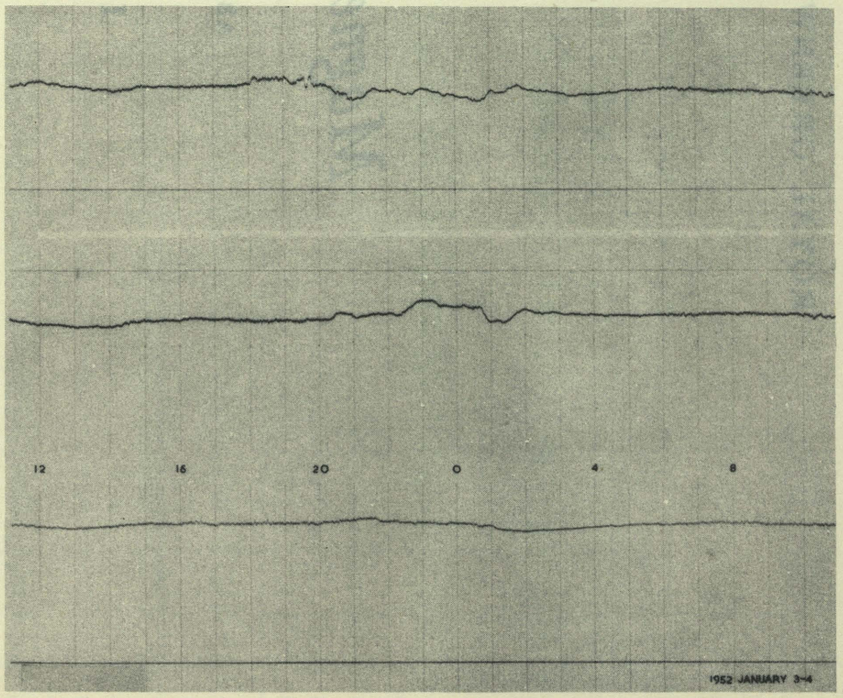
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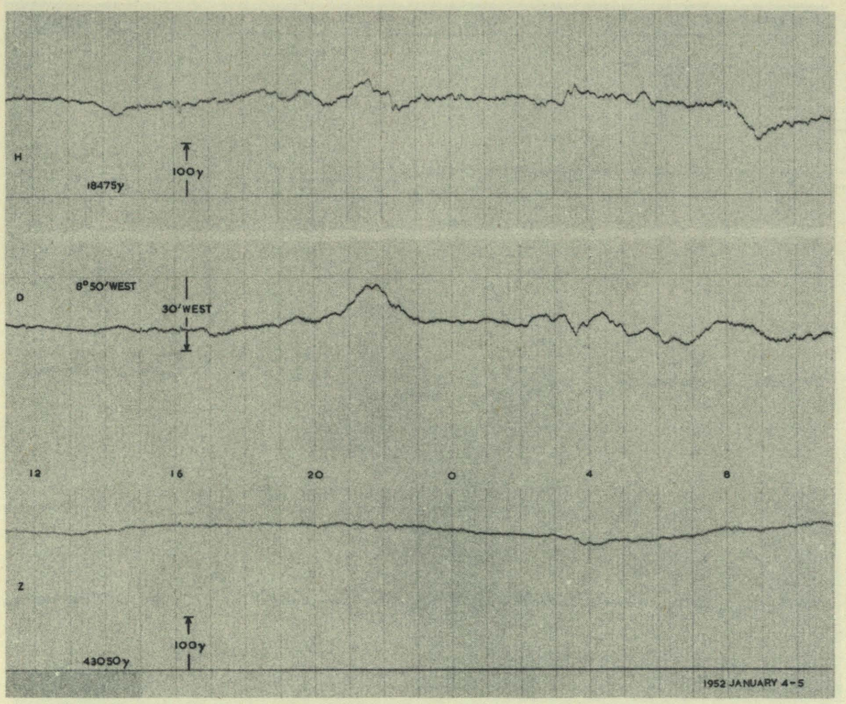
4
8
1952 JANUARY 3-4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18475γ
100γ
D
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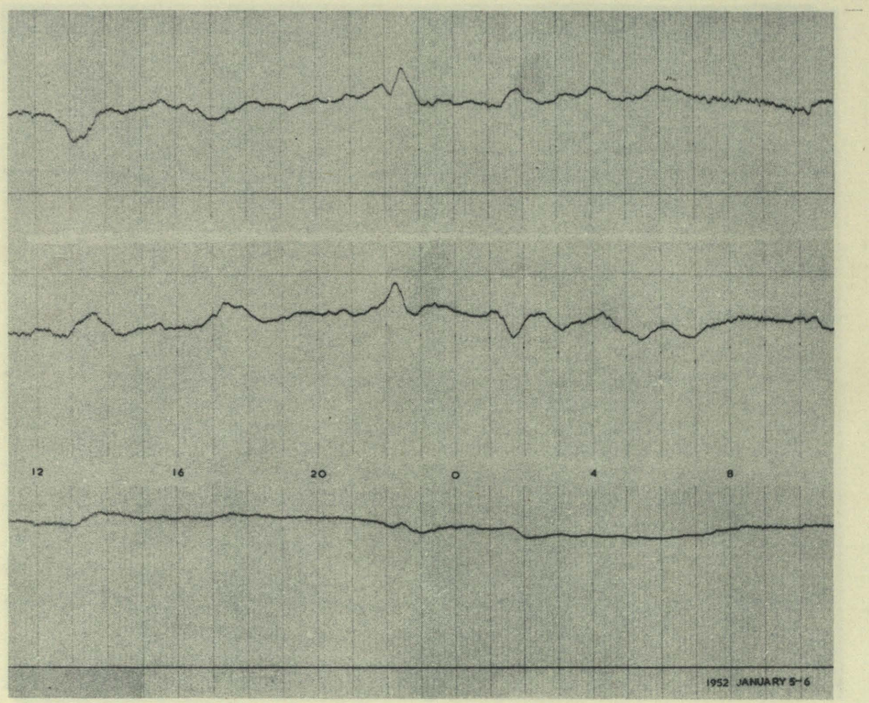
30'WEST
12
16
20
0
4
8
Z
43050γ
100γ
1952 JANUARY 4-5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16
20
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4
8
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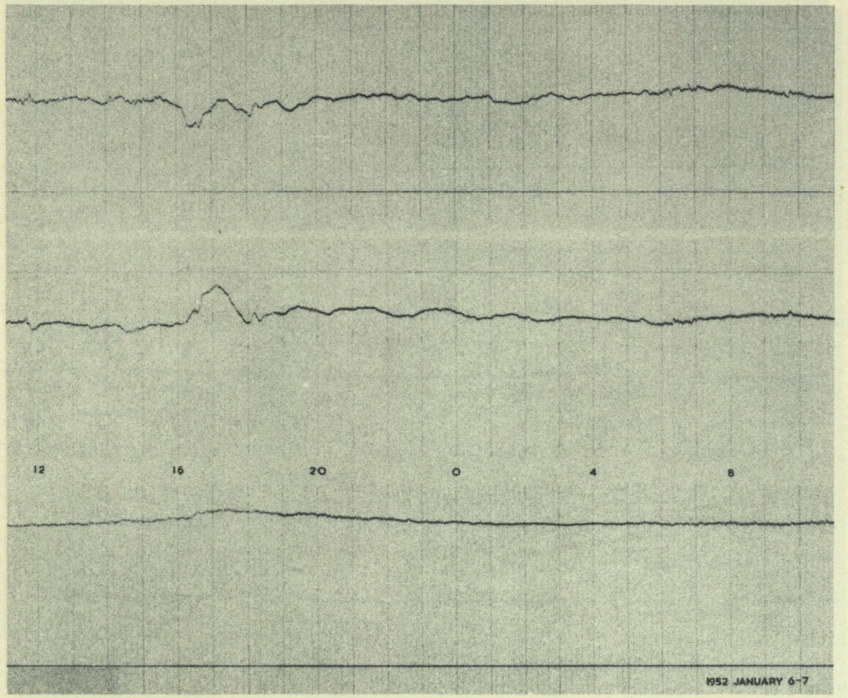
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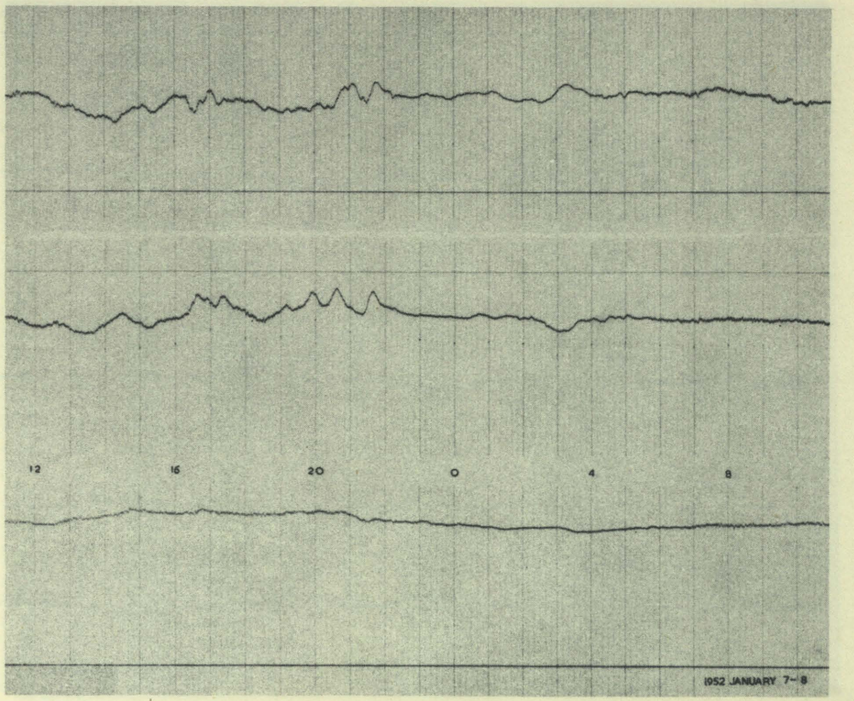
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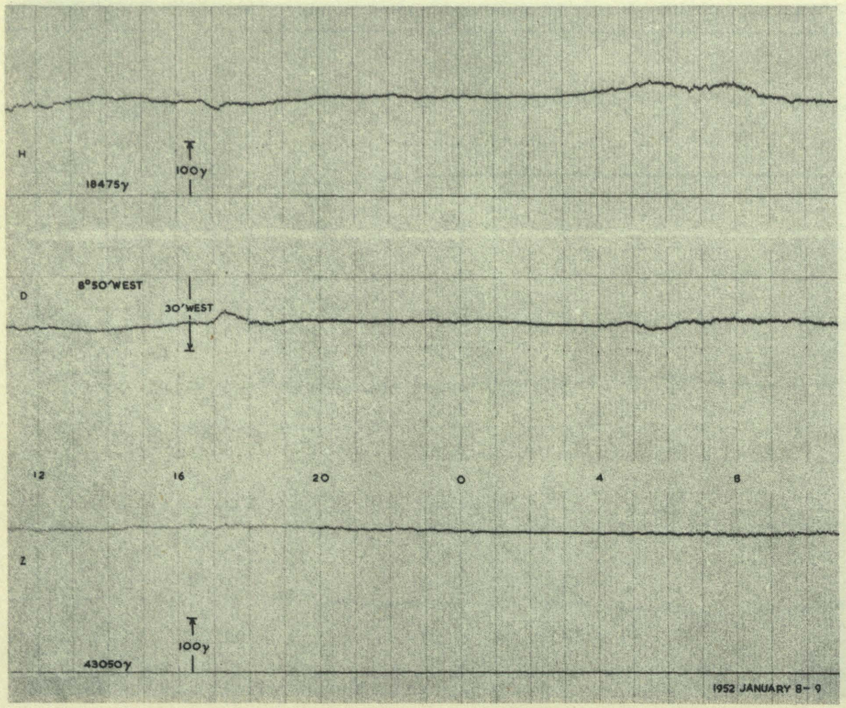
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18475γ
100γ
D
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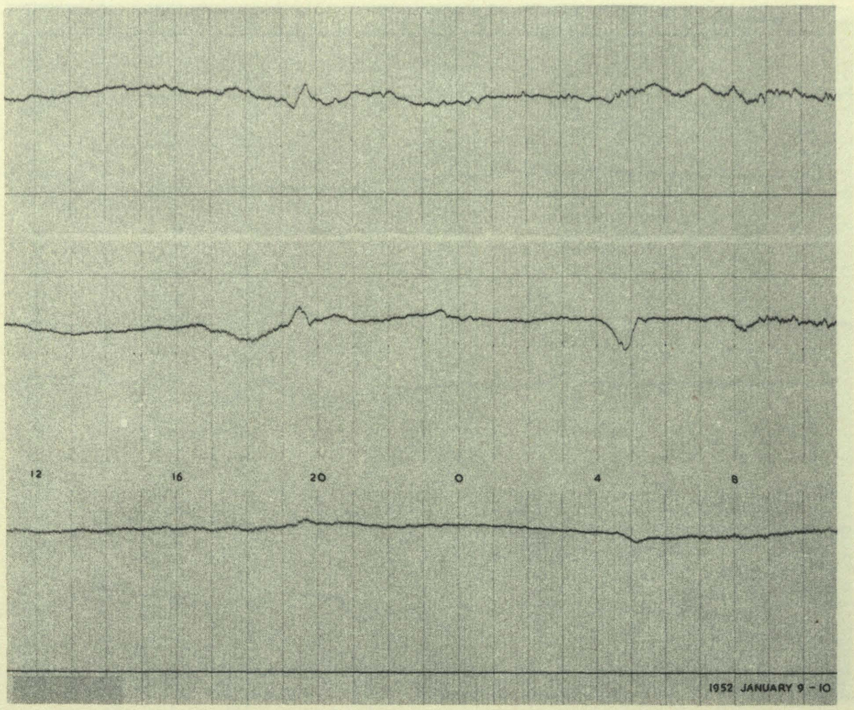
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 JANUARY 8-9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16
20
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4
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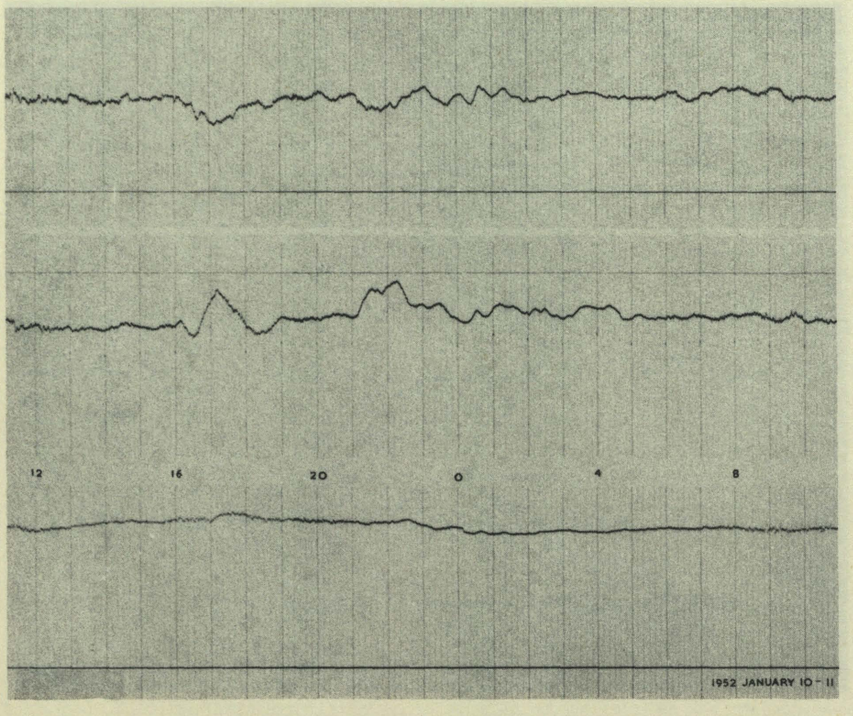
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4
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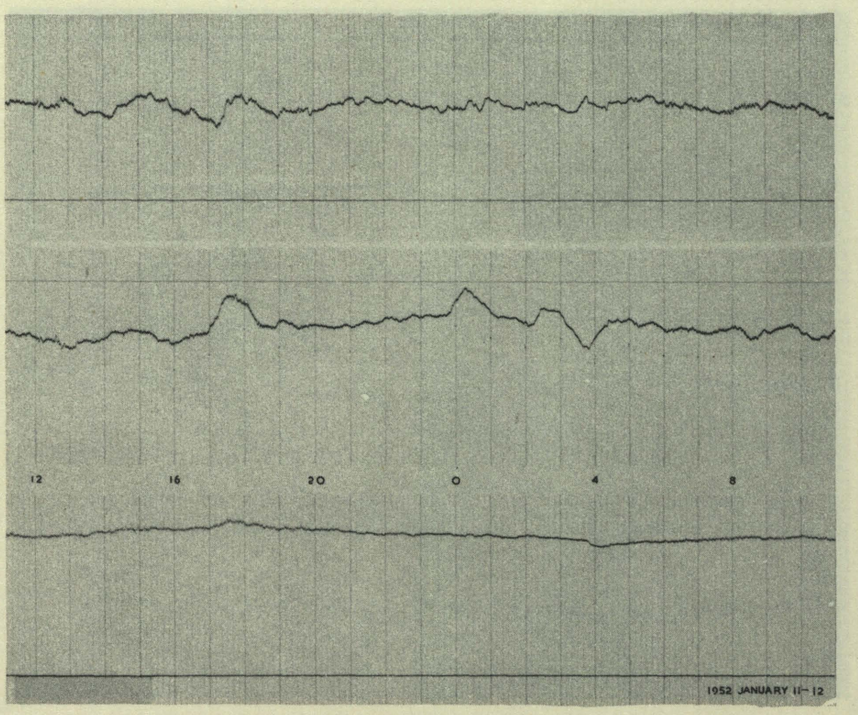
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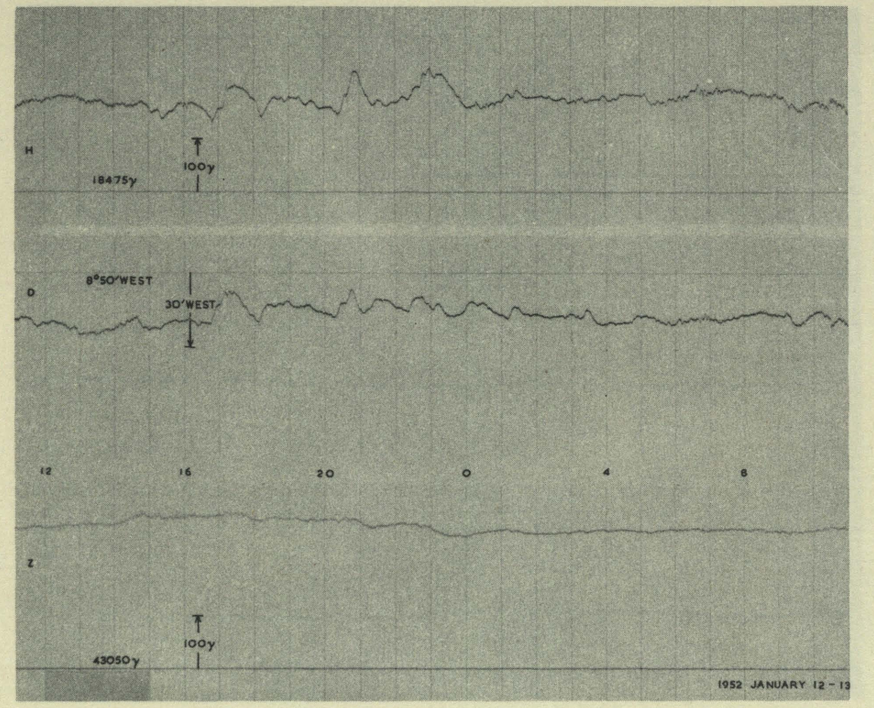
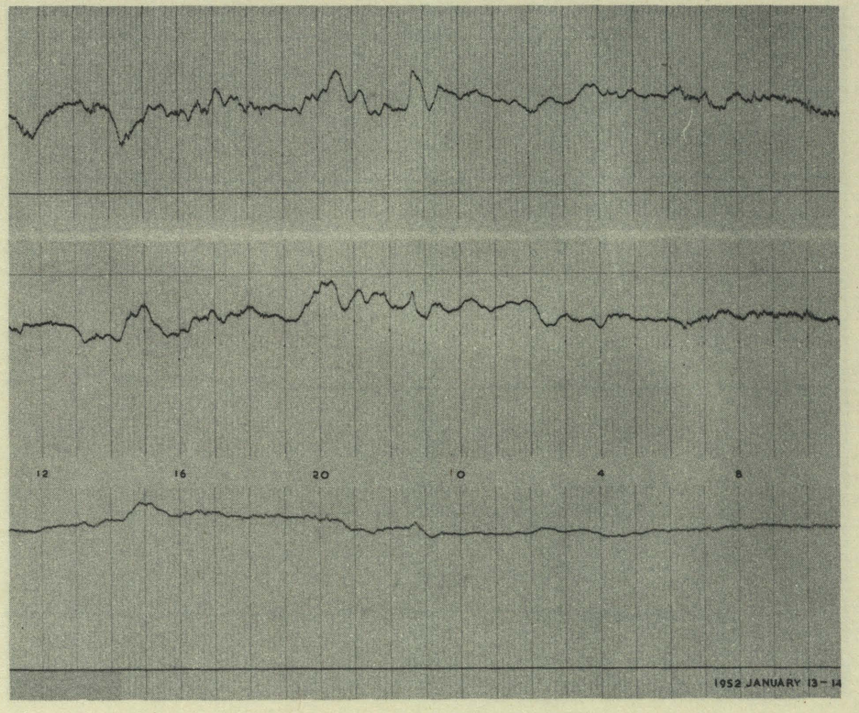

H
100γ
18475γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 JANUARY 12 - 13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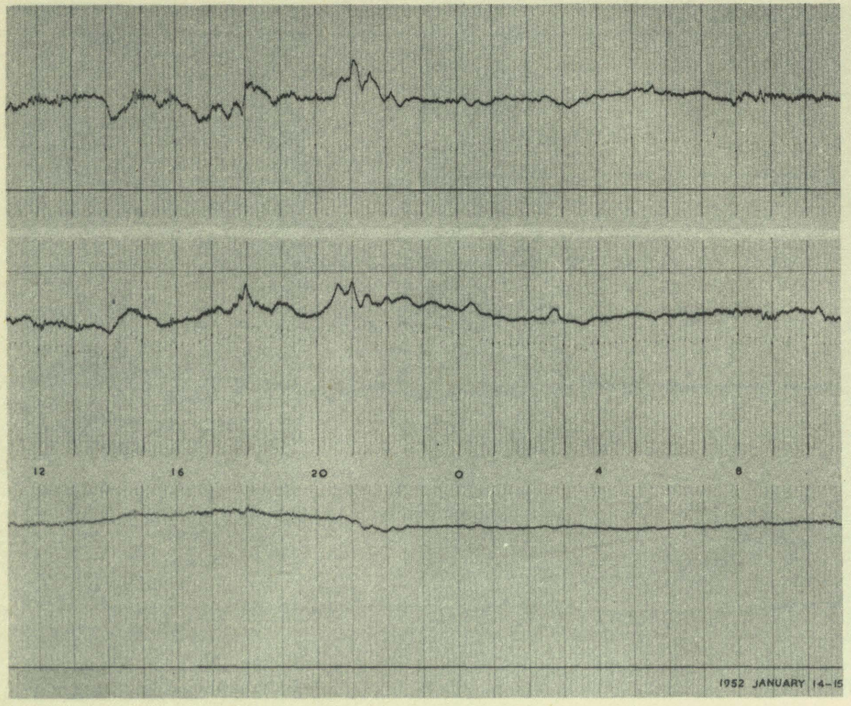
16
20
0
4
8
1952 JANUARY 13 - 14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4
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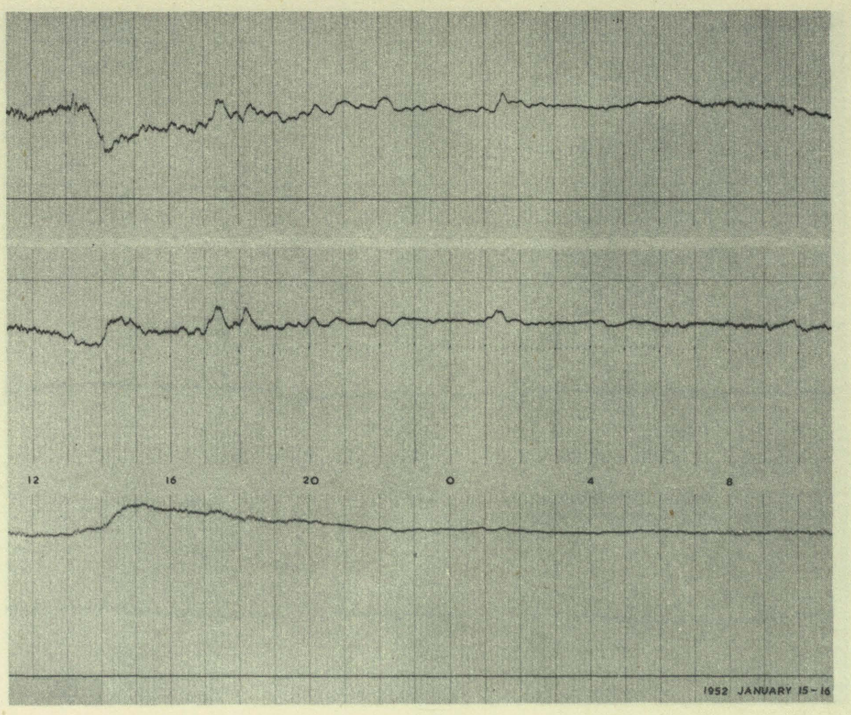
1952 JANUARY 14 - 15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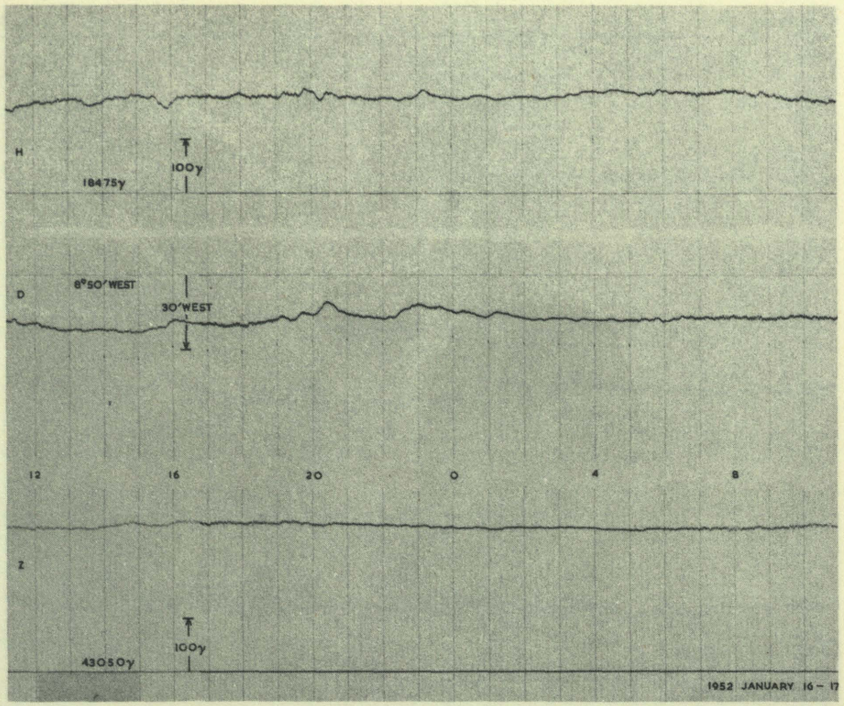
8
1952 JANUARY 15 - 16


H
18475γ
100γ
D
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30' WEST
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16
20
0
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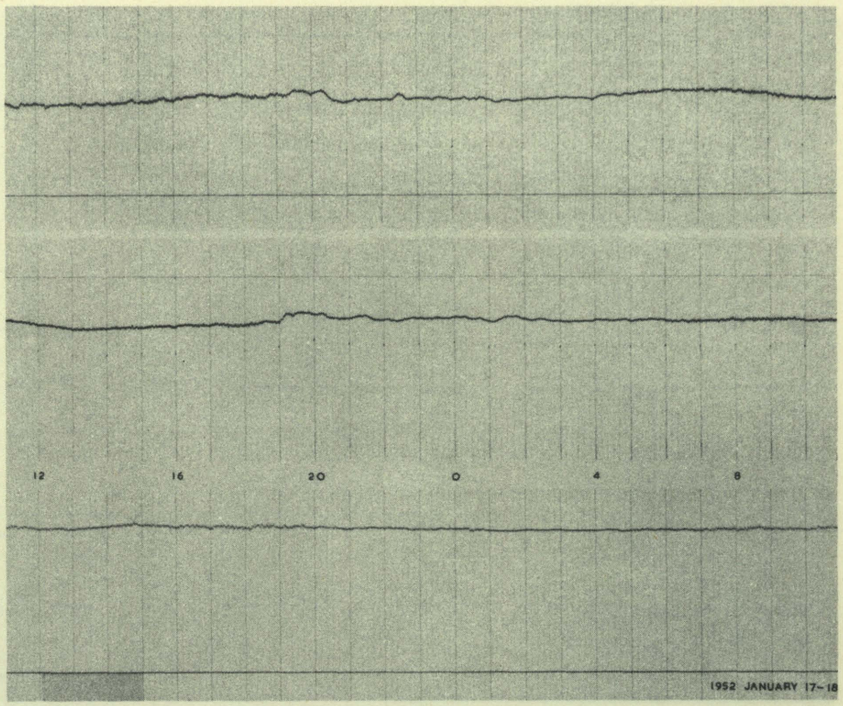
8
Z
100γ
43050γ
1952 JANUARY 16 – 17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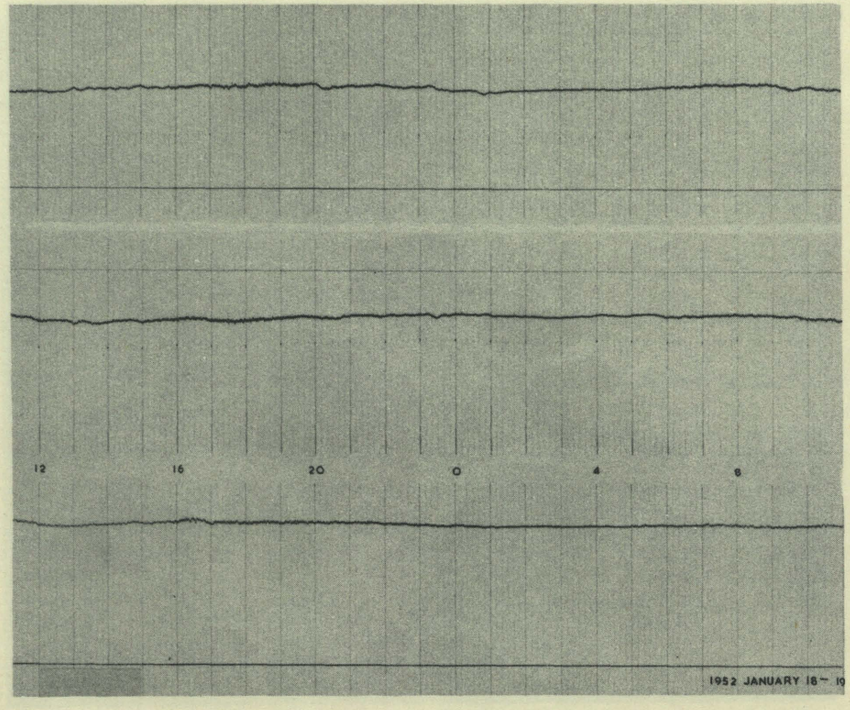
1952 JANUARY 17 – 18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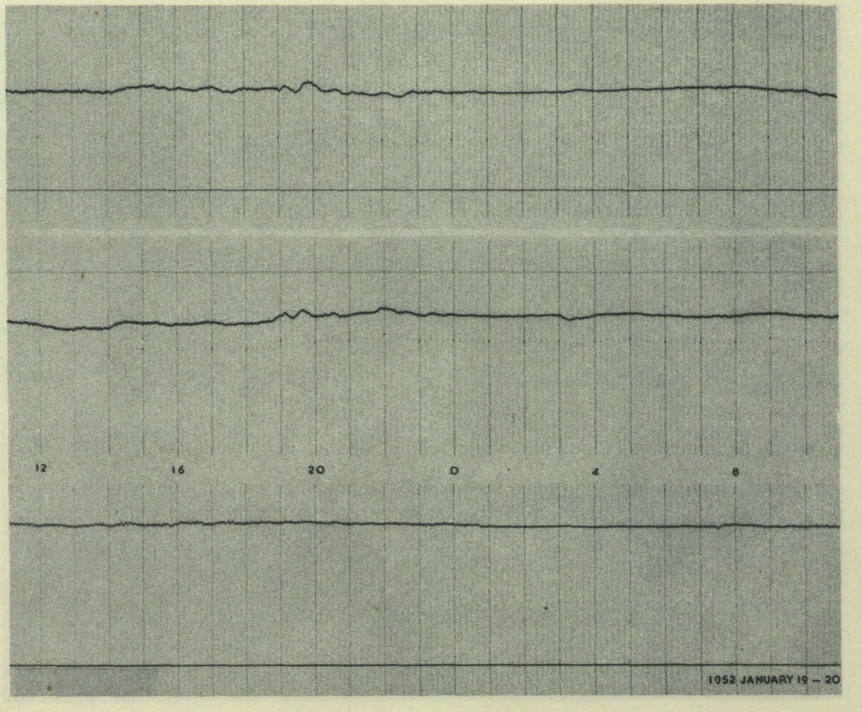
4
8
1952 JANUARY 18 – 19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16
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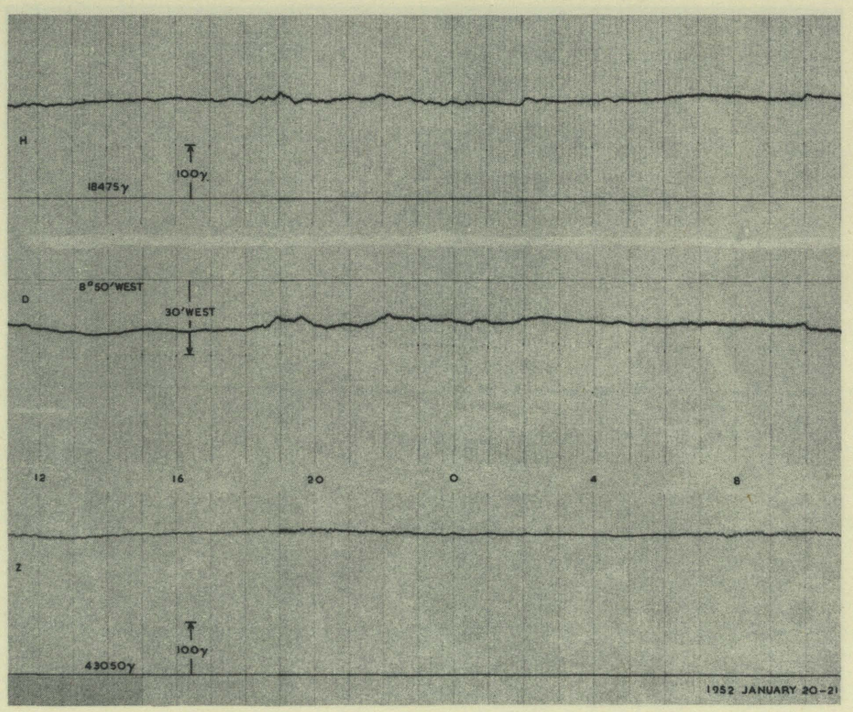
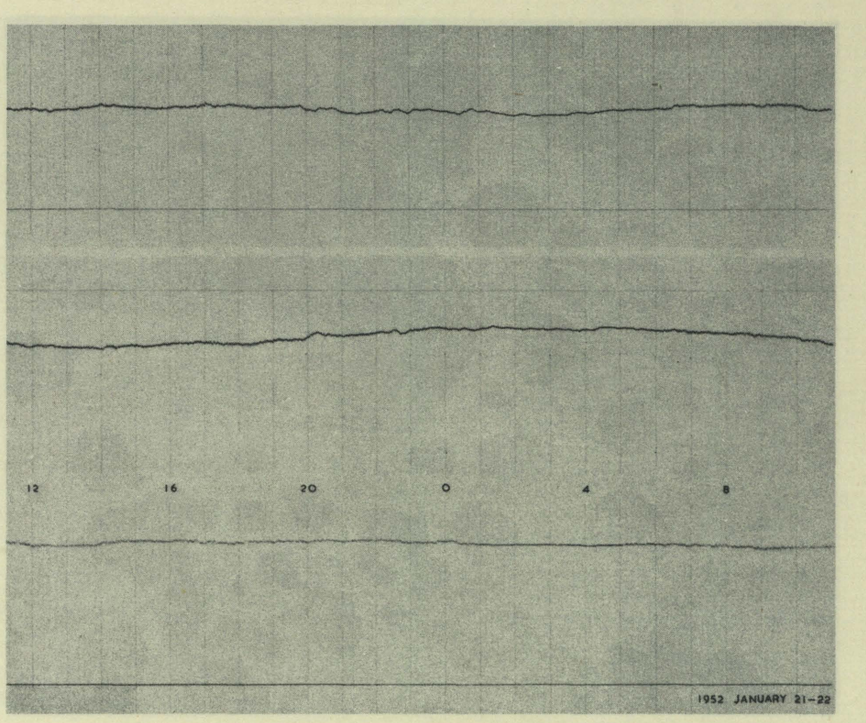
0
4
8
1952 JANUARY 19 – 20


H
18475γ
100γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
43050γ
100γ
1952 JANUARY 20-21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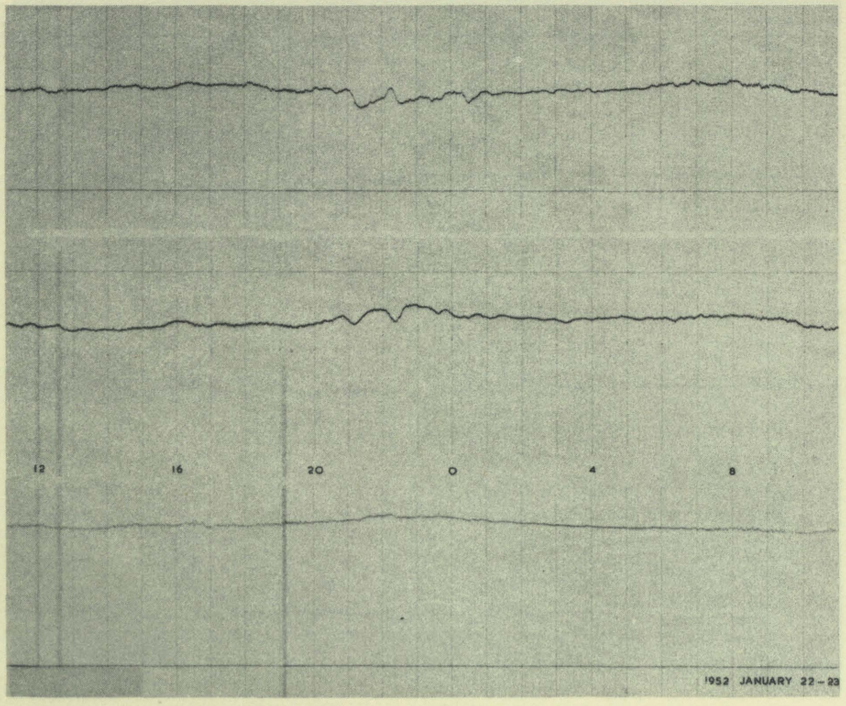
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16
20
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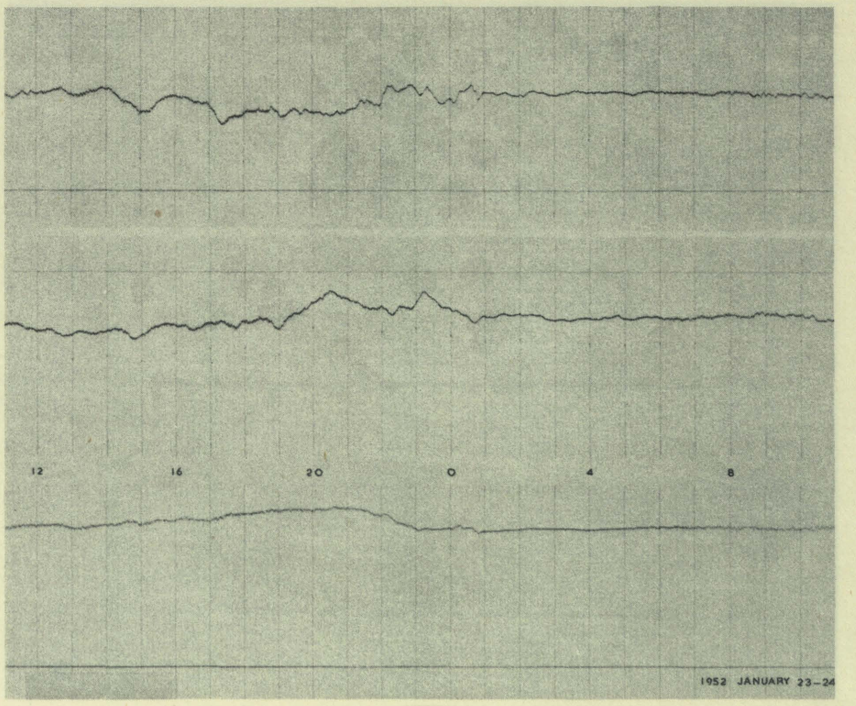
12
16
20
0
4
8
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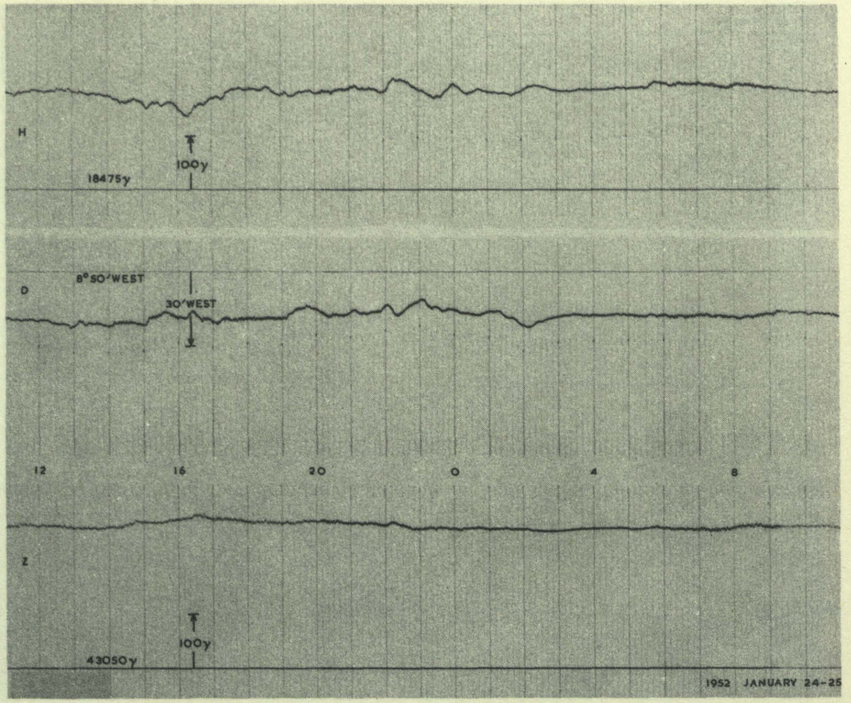
H
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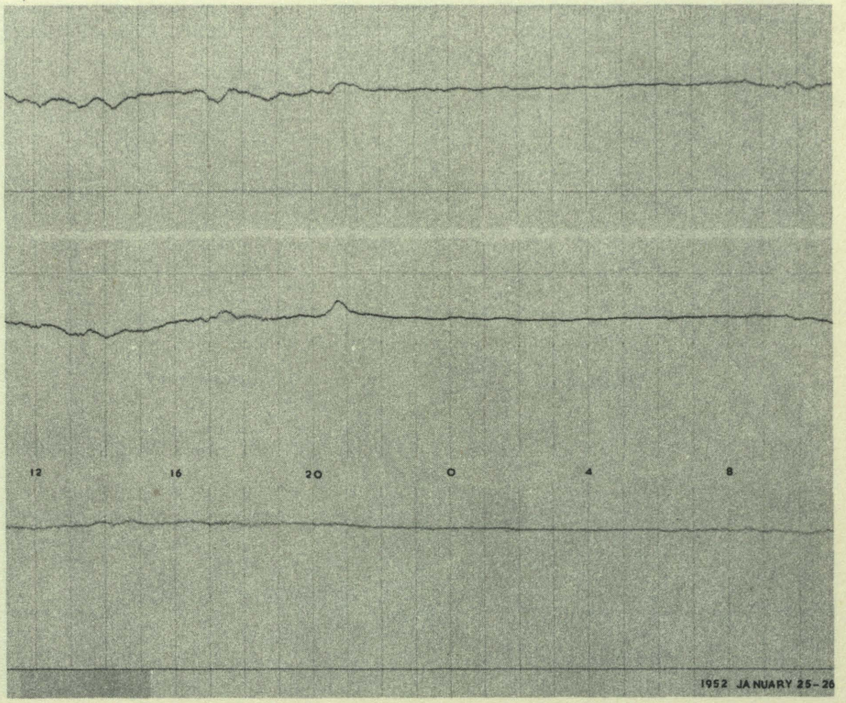
D
8°30'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 JANUARY 24-25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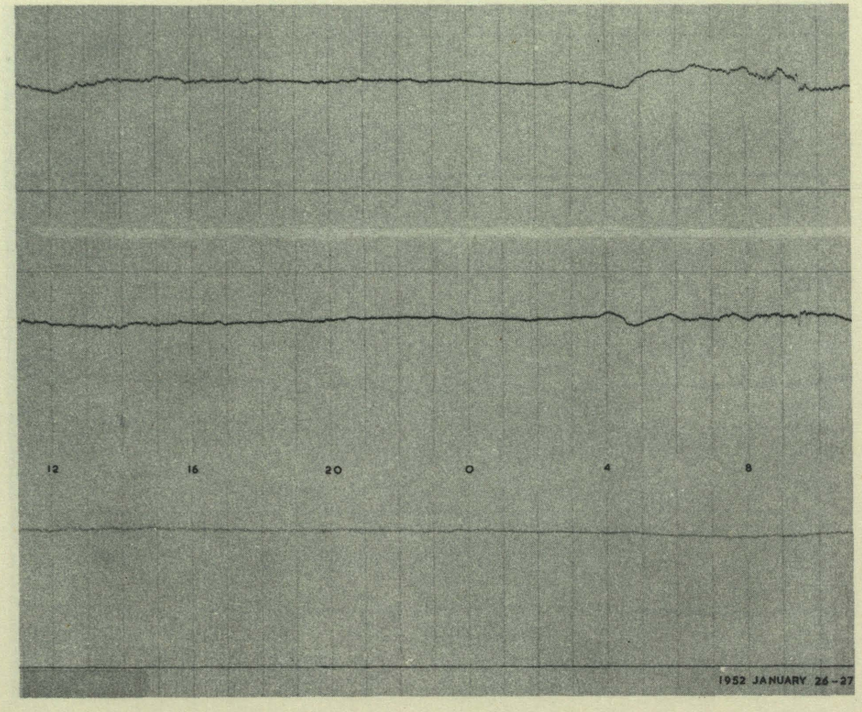
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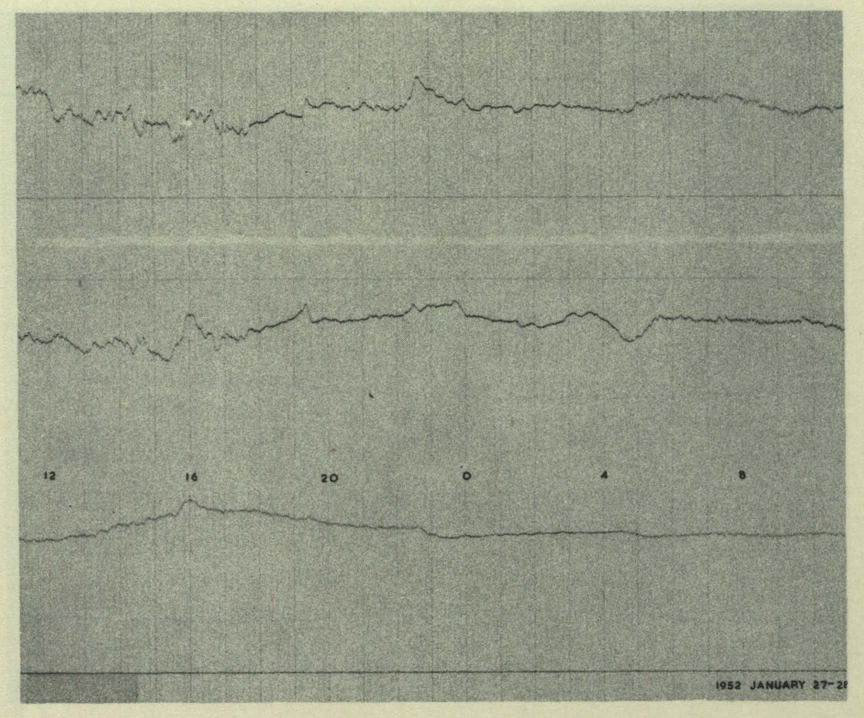
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16
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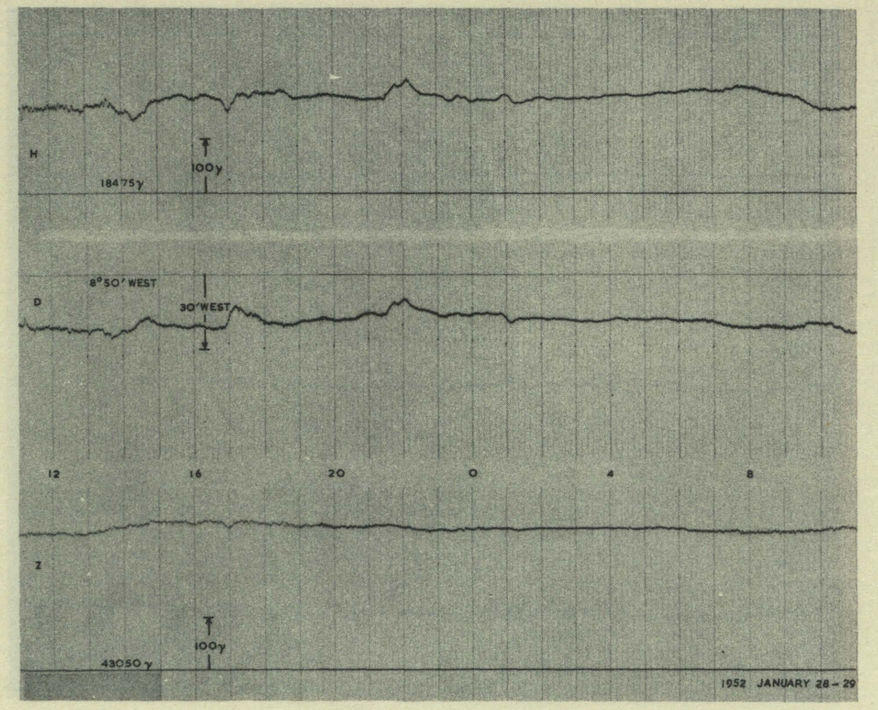
H
18475γ
100γ
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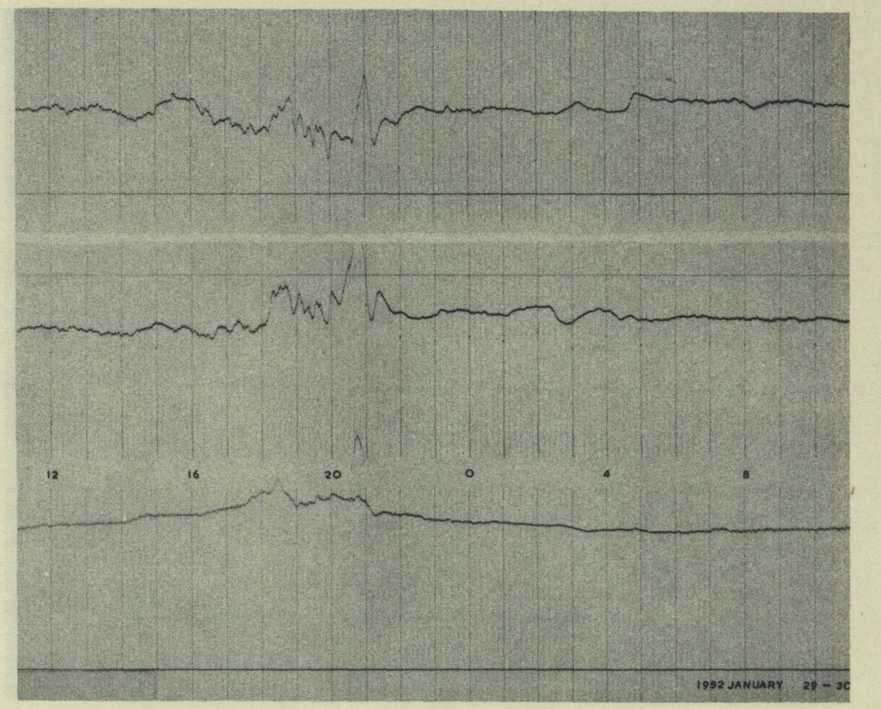
D
30' WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 JANUARY 28 – 29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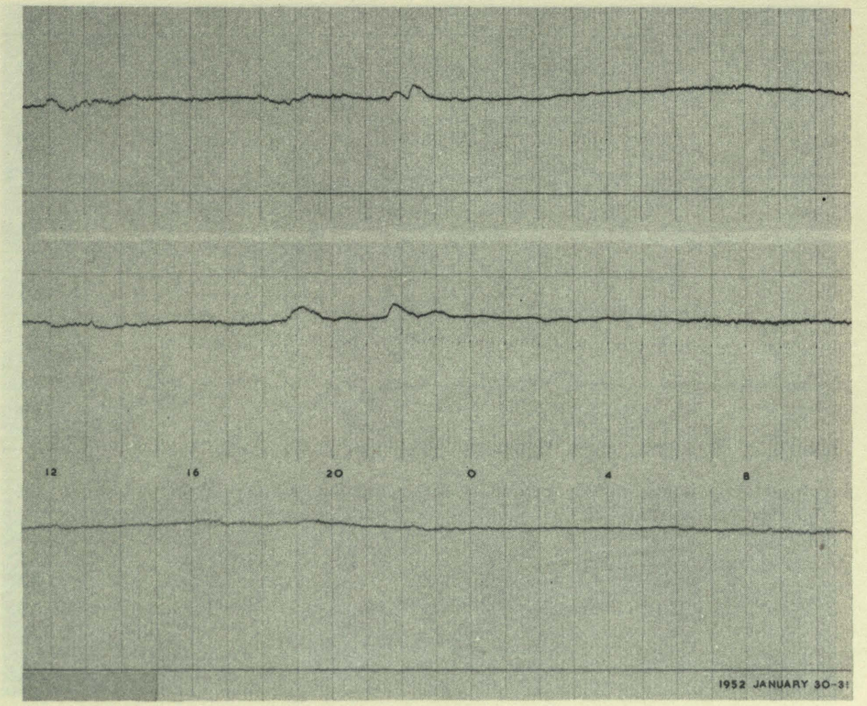
1952 JANUARY 29 – 30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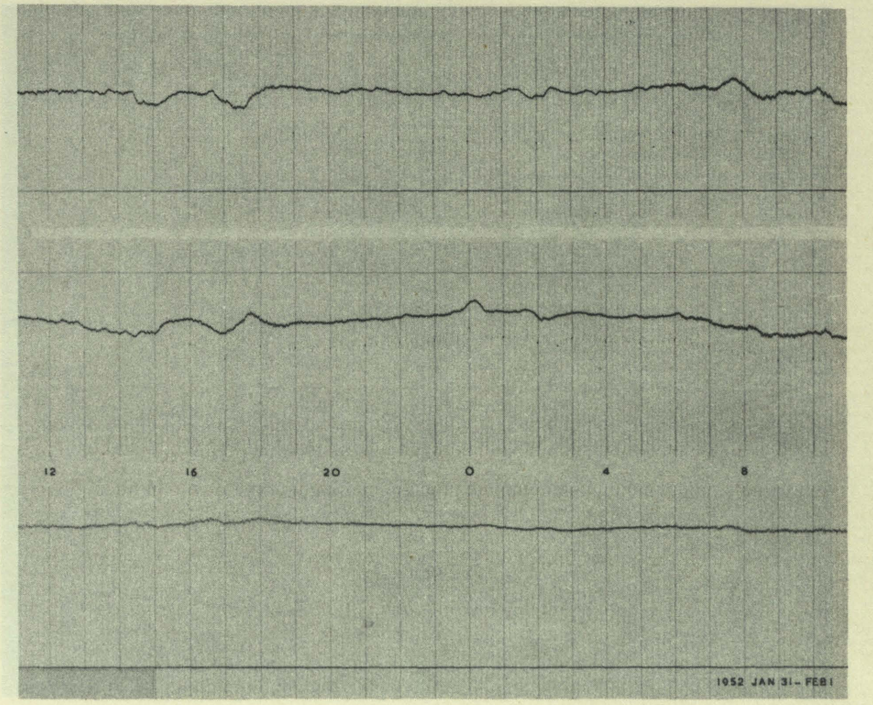
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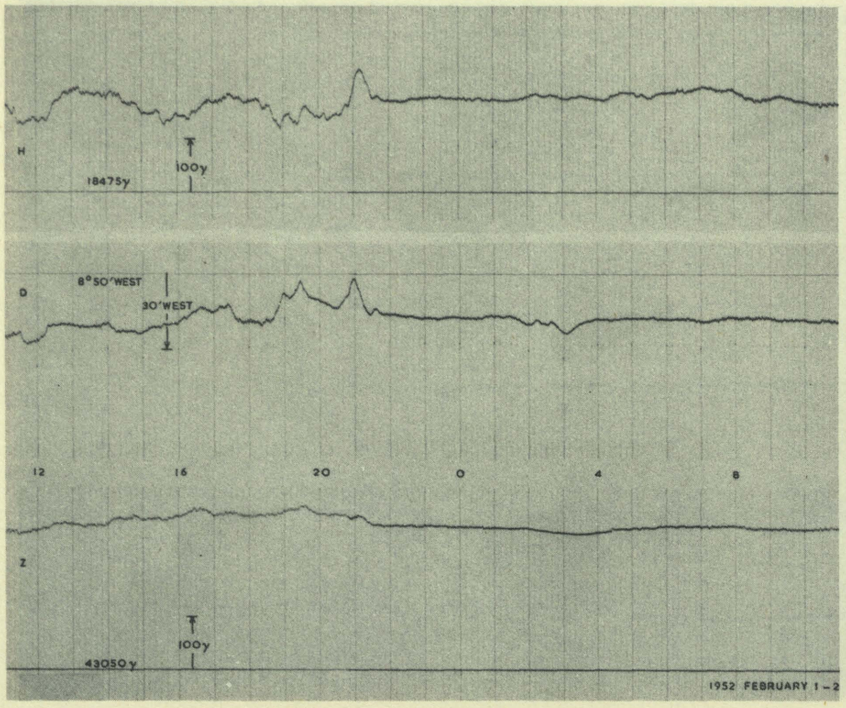
1952 JAN 31 – FEB 1


H
18475γ
100γ
D
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30'WEST
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16
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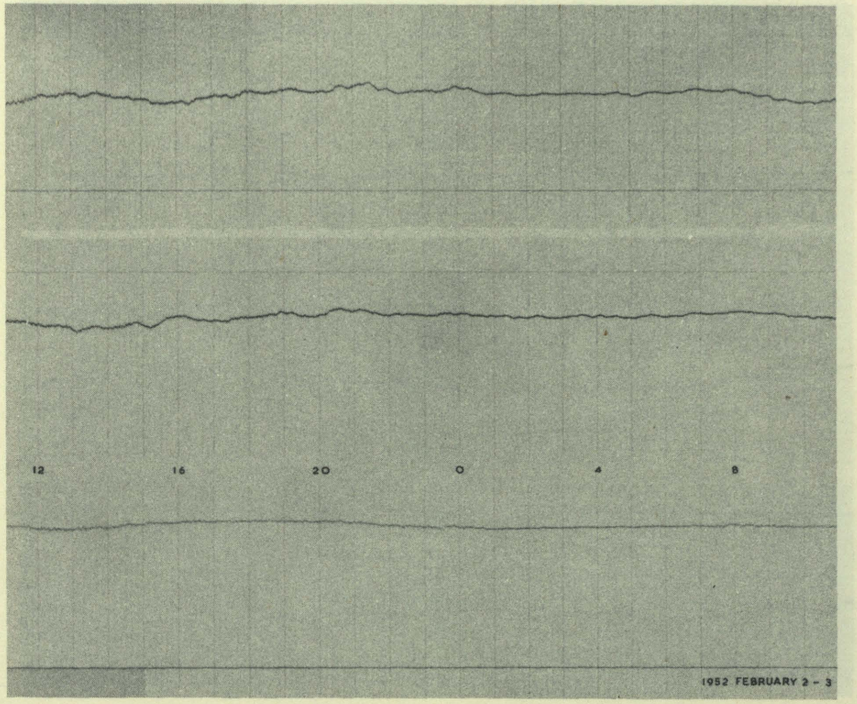
Z
100γ
43050γ
1952 FEBRUARY 1 – 2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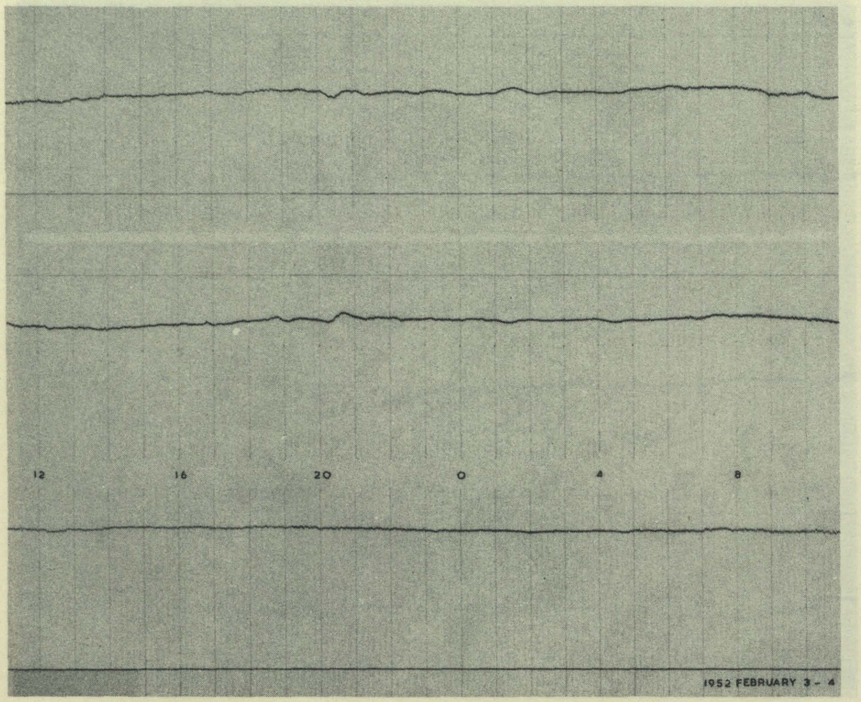
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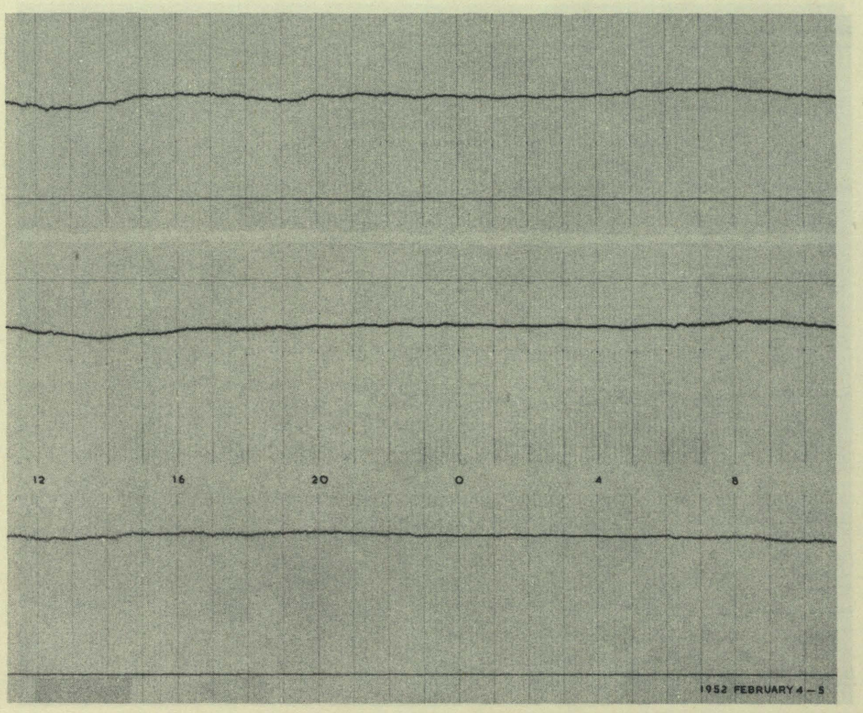
1952 FEBRUARY 3 – 4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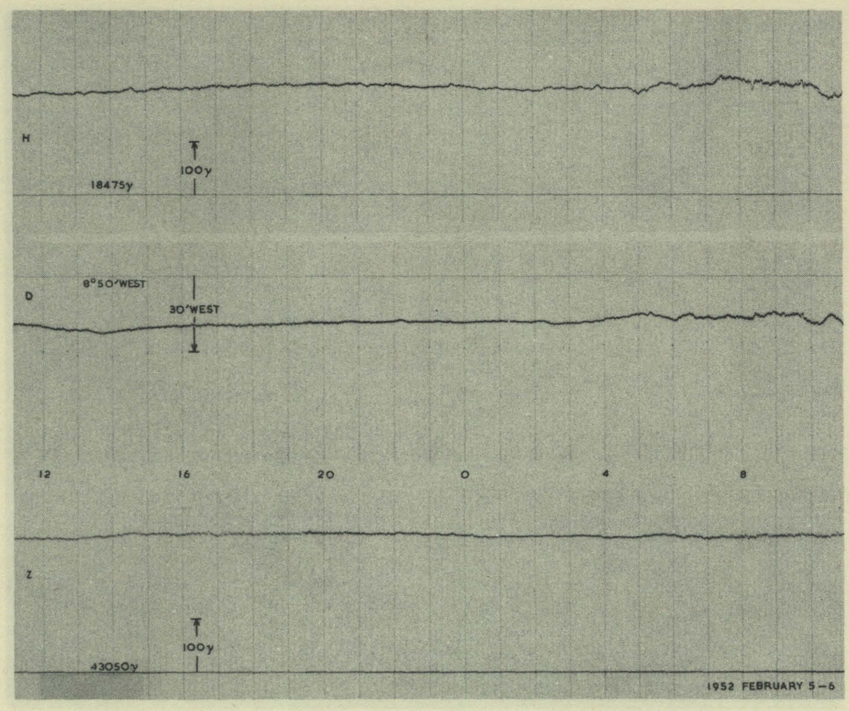
1952 FEBRUARY 4 – 5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D
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30'WEST
12
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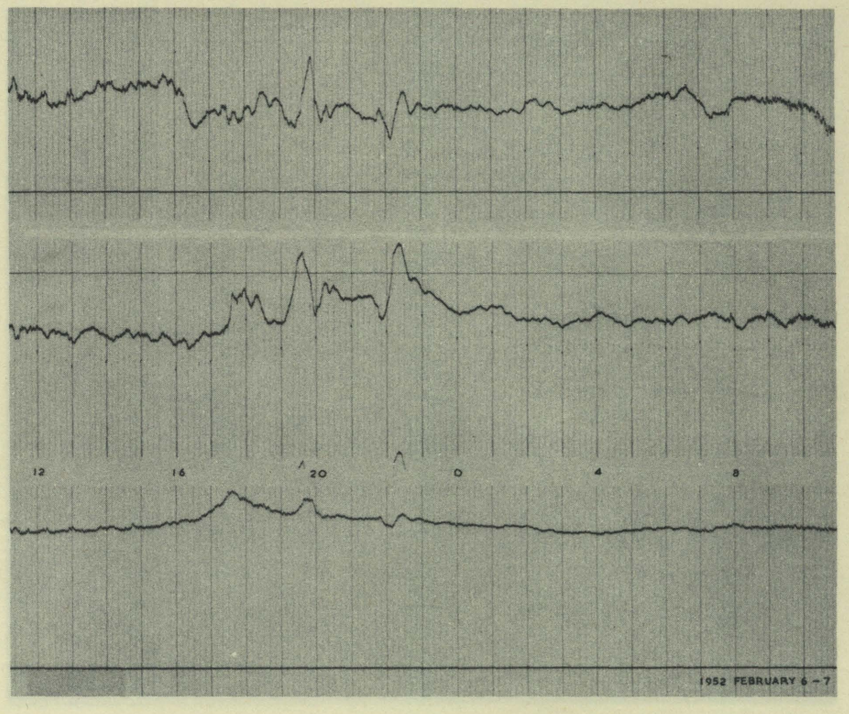
Z
100γ
43050γ
1952 FEBRUARY 5–6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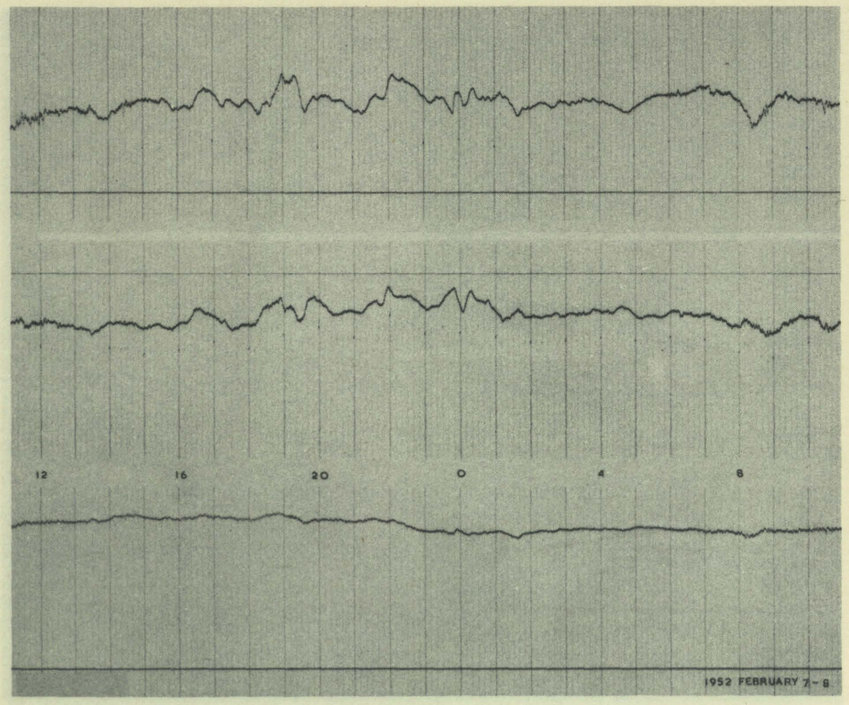
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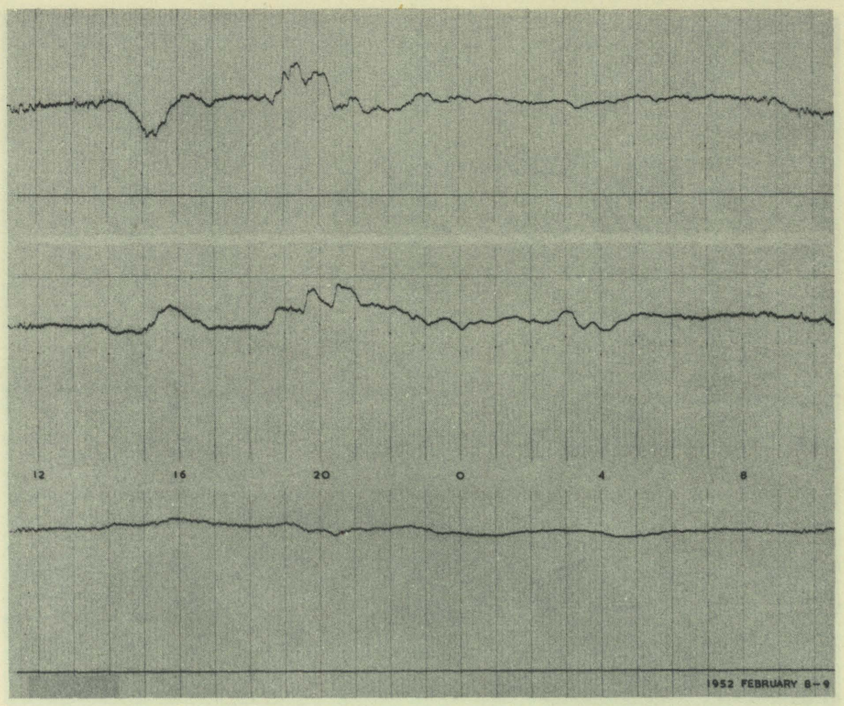
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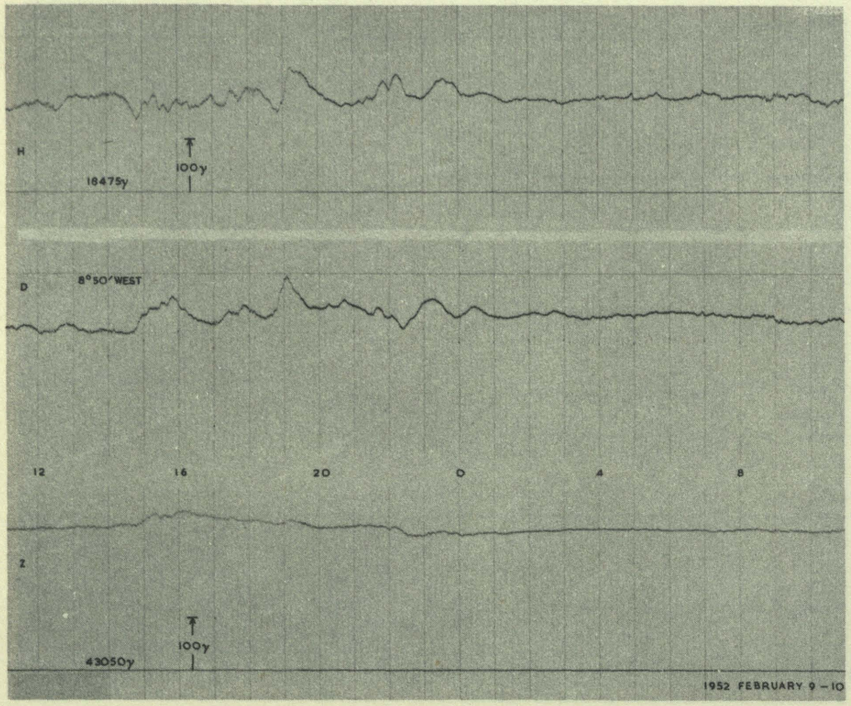
1952 FEBRUARY 8–9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18475γ
100γ
D
8°50' WEST
12
16
20
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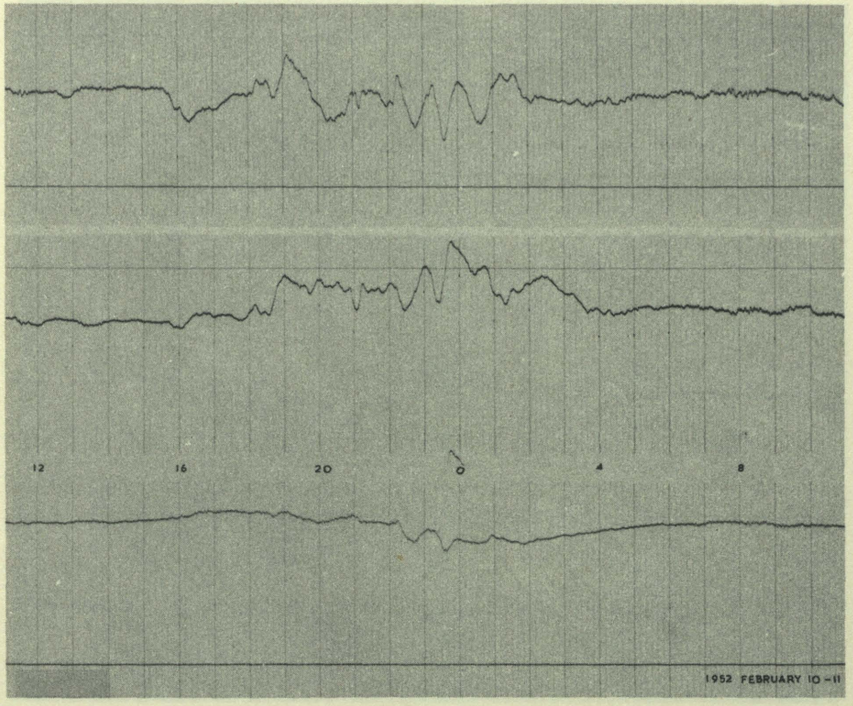
Z
100γ
43050γ
1952 FEBRUARY 9 – 10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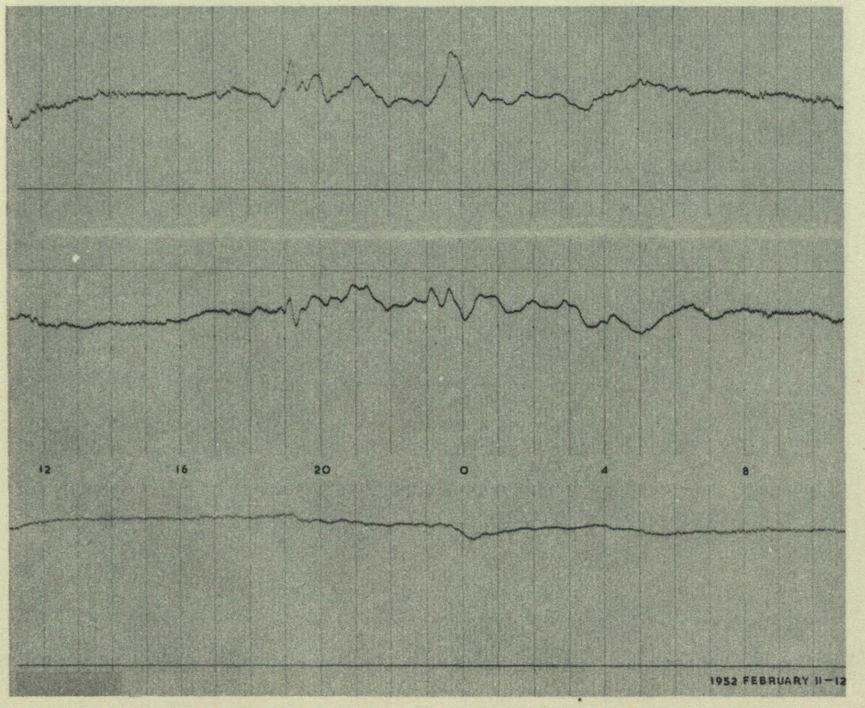
1952 FEBRUARY 10 – 11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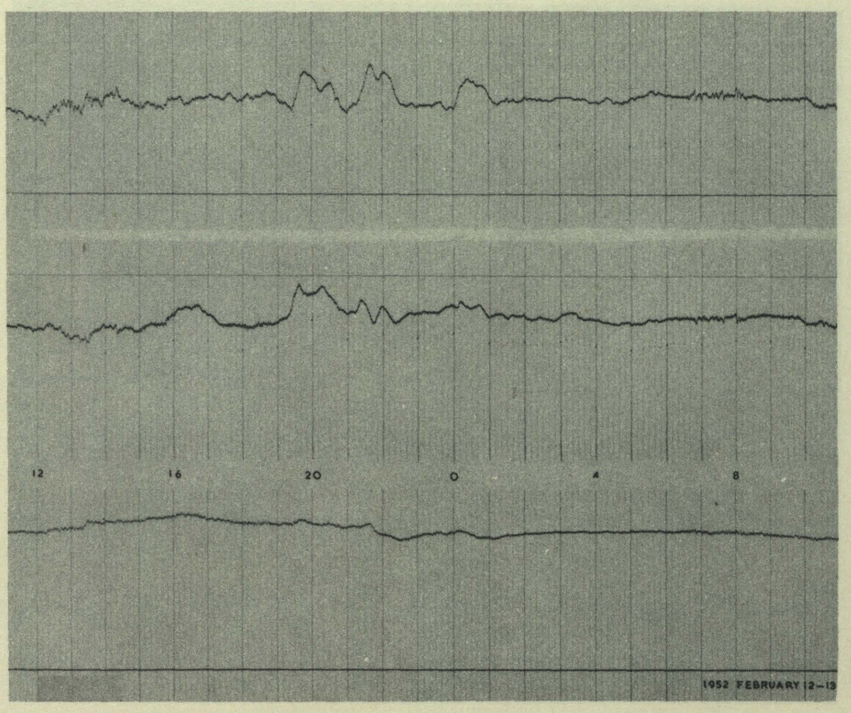
1952 FEBRUARY 11 – 12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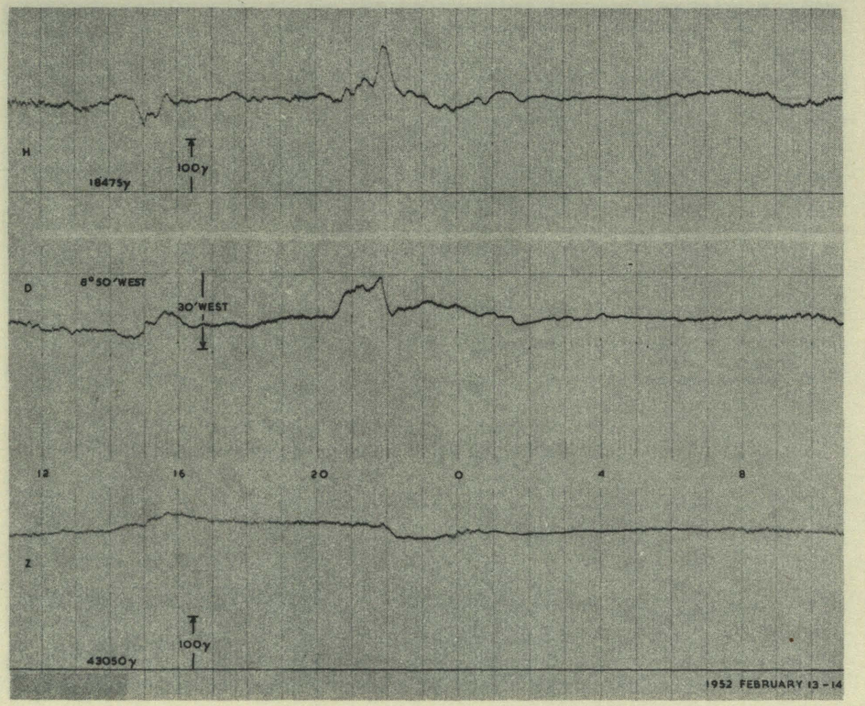
1952 FEBRUARY 12 – 13


H
18475γ
100γ
D
8°50'WEST
30'WEST
12
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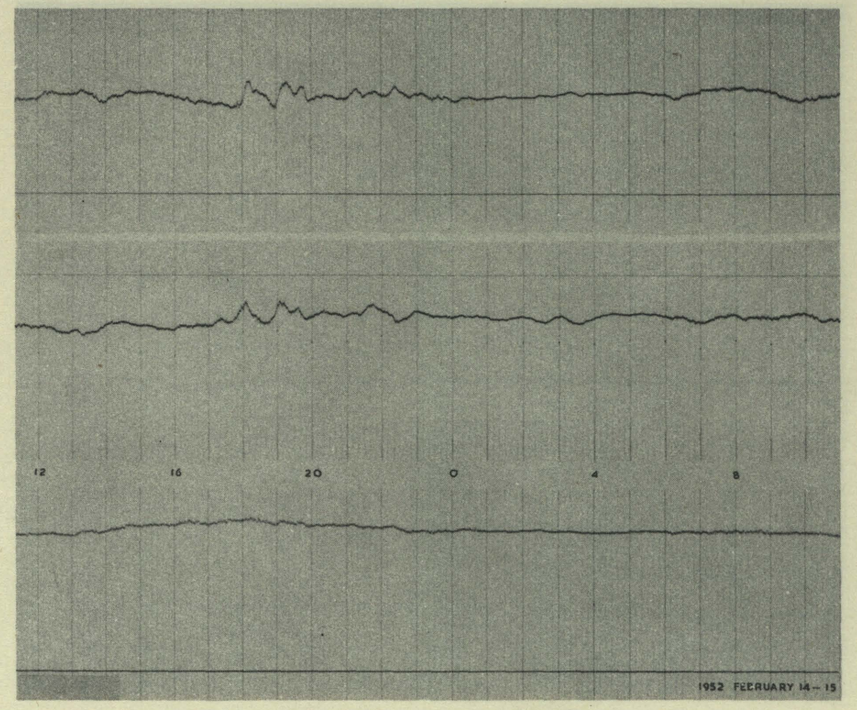
43050γ
100γ
1952 FEBRUARY 13-14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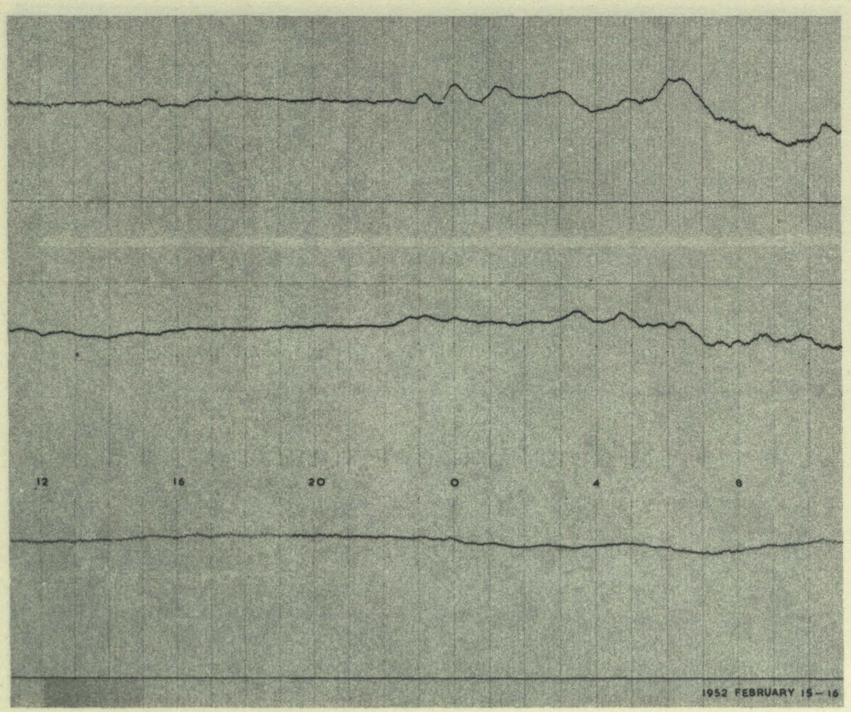
1952 FEBRUARY 14-15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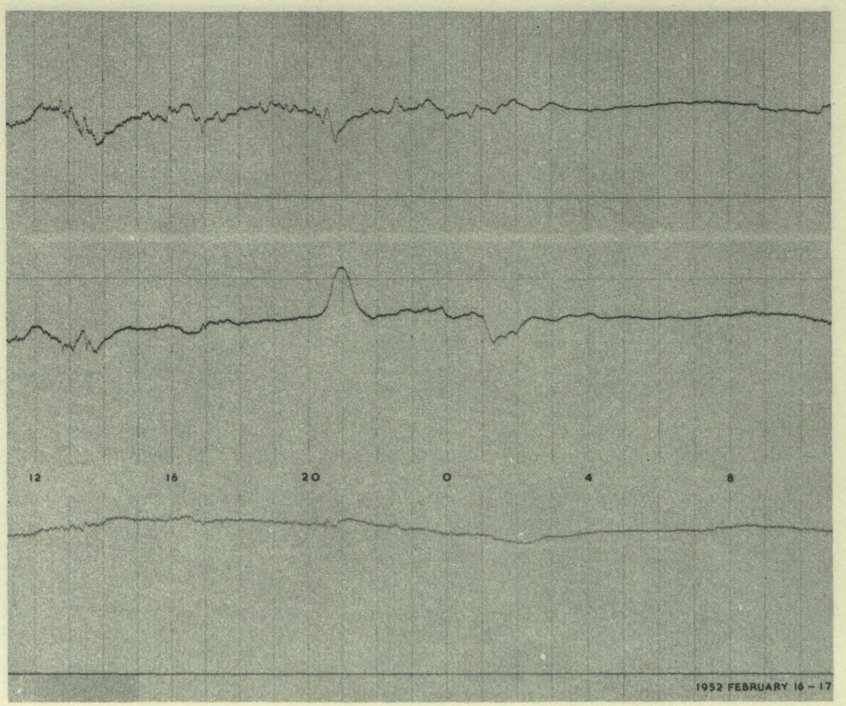
1952 FEBRUARY 15-16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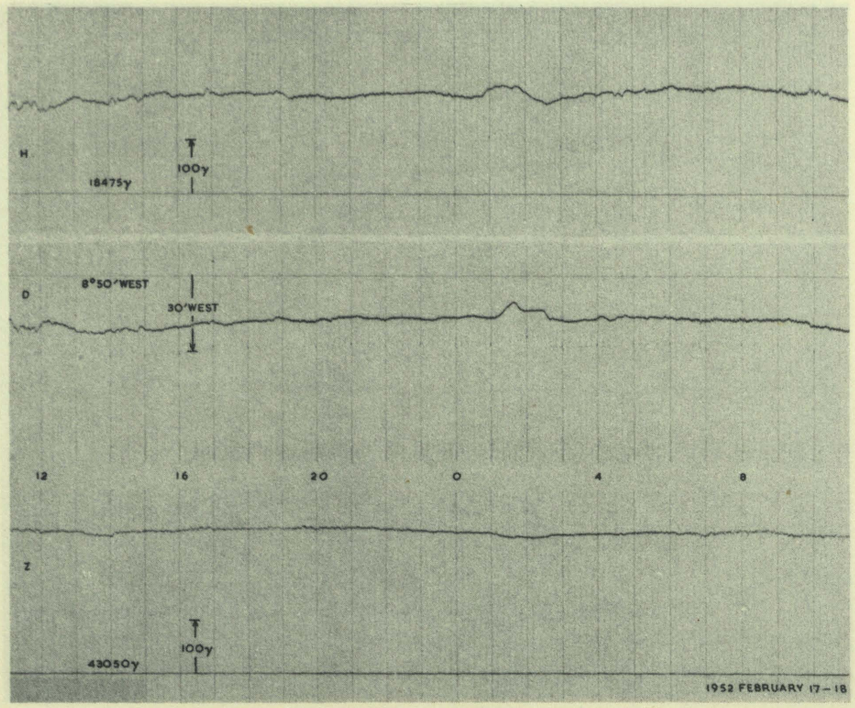
1952 FEBRUARY 16-17


H
18475γ
100γ
D
8°50′WEST
30′WEST
12
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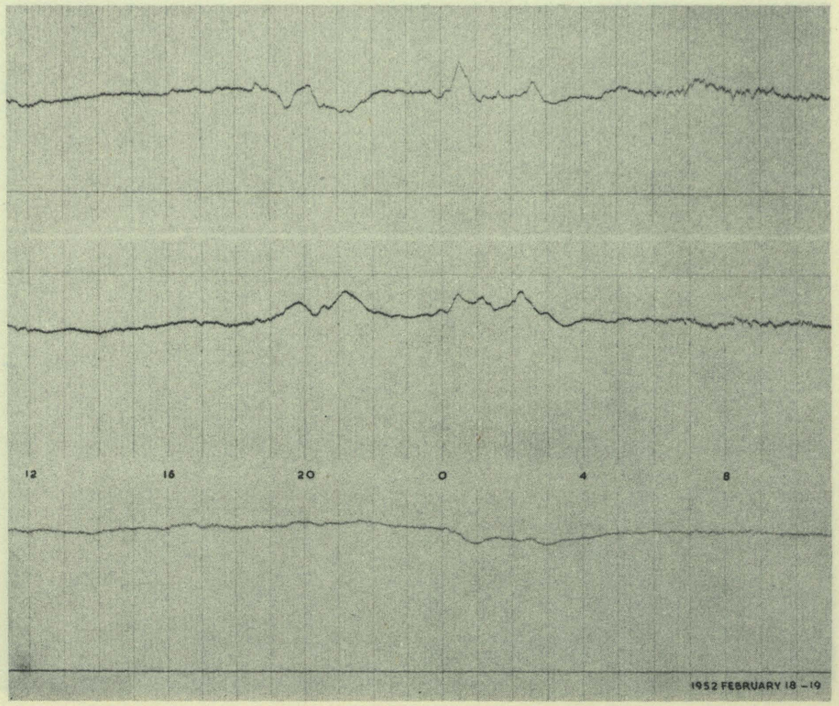
Z
43050γ
100γ
1952 FEBRUARY 17–18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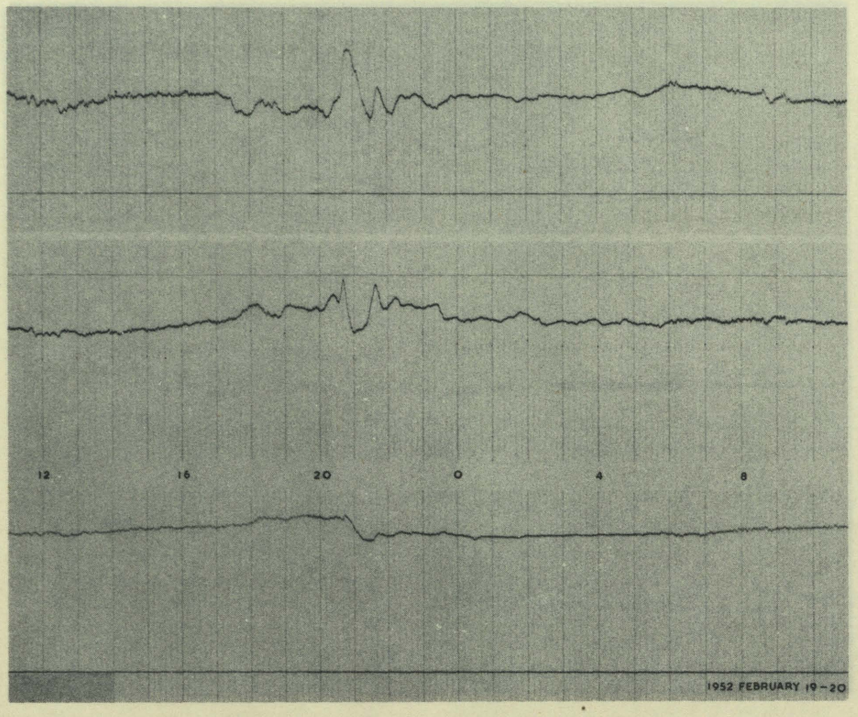
1952 FEBRUARY 18–19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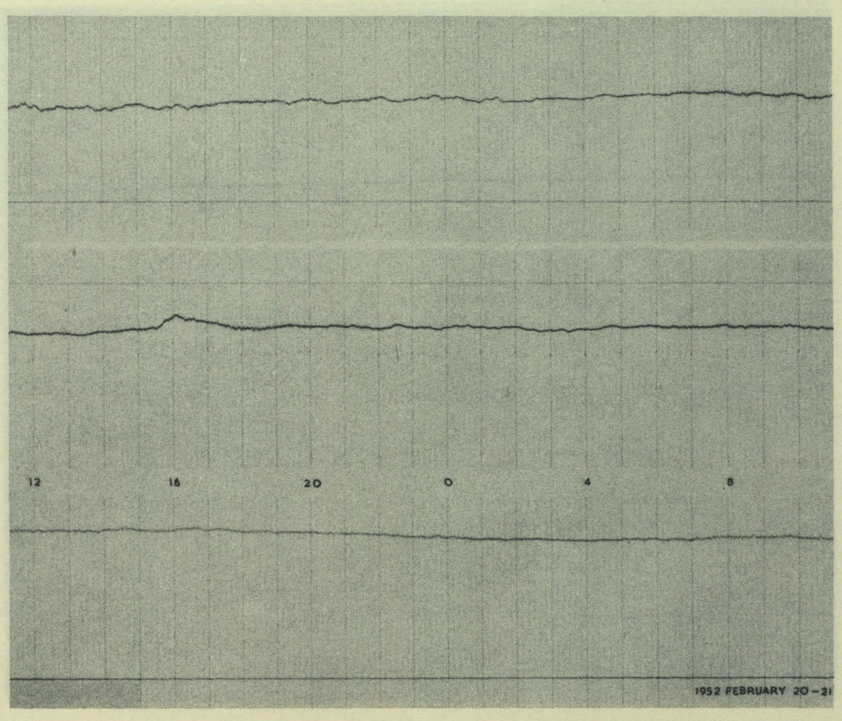
1952 FEBRUARY 19–20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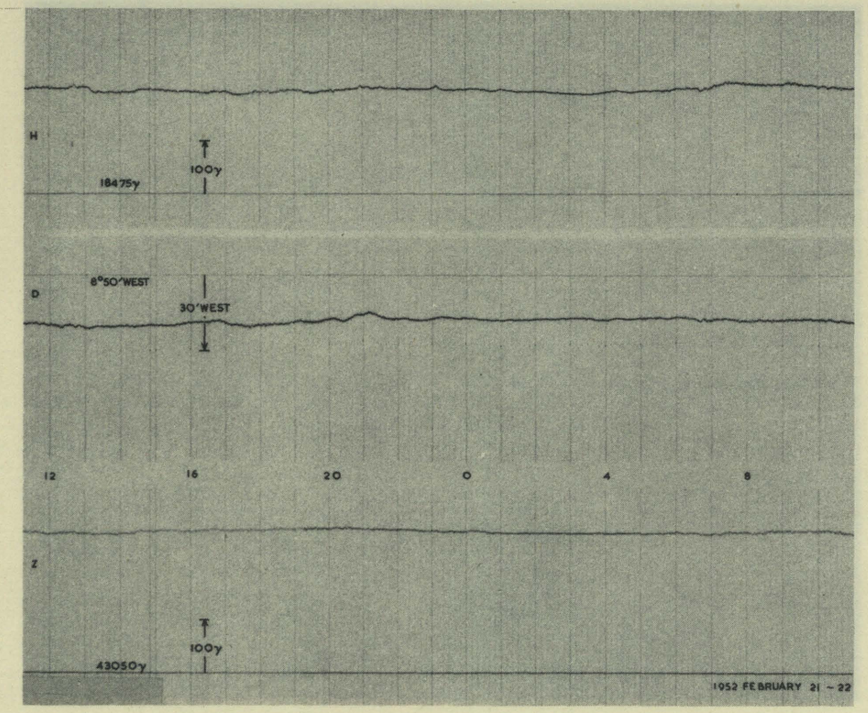
1952 FEBRUARY 20–21


H
100γ
18475γ
D
8°50'WEST
30'WEST
12
16
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0
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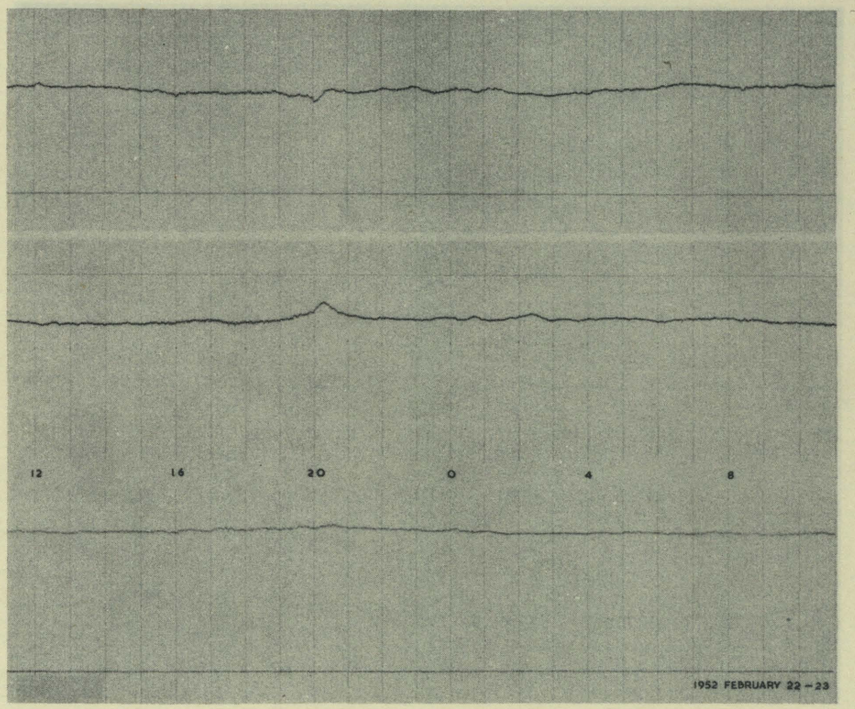
8
Z
100γ
43050γ
1952 FEBRUARY 21 - 22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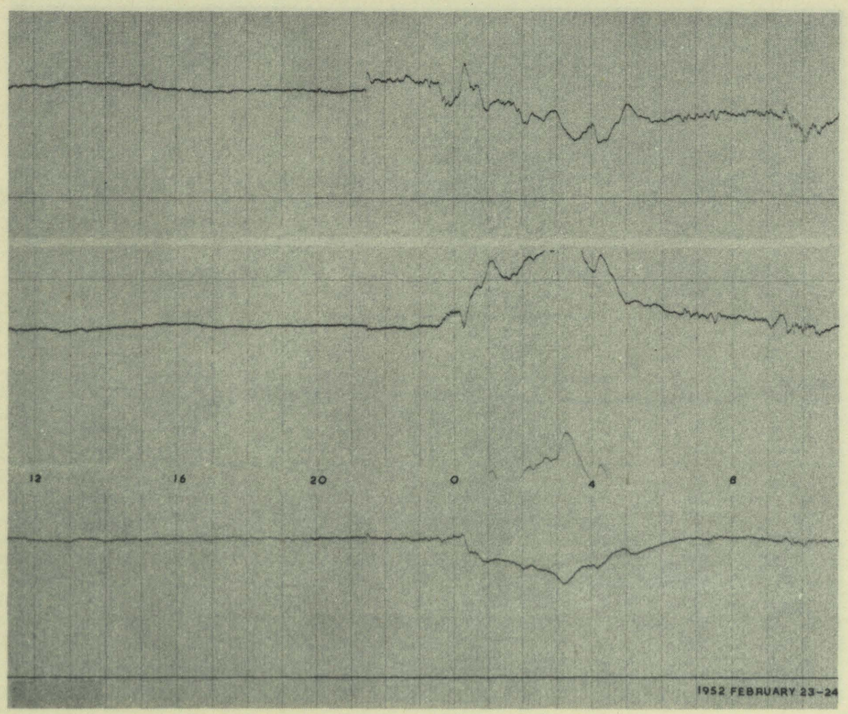
1952 FEBRUARY 22 - 23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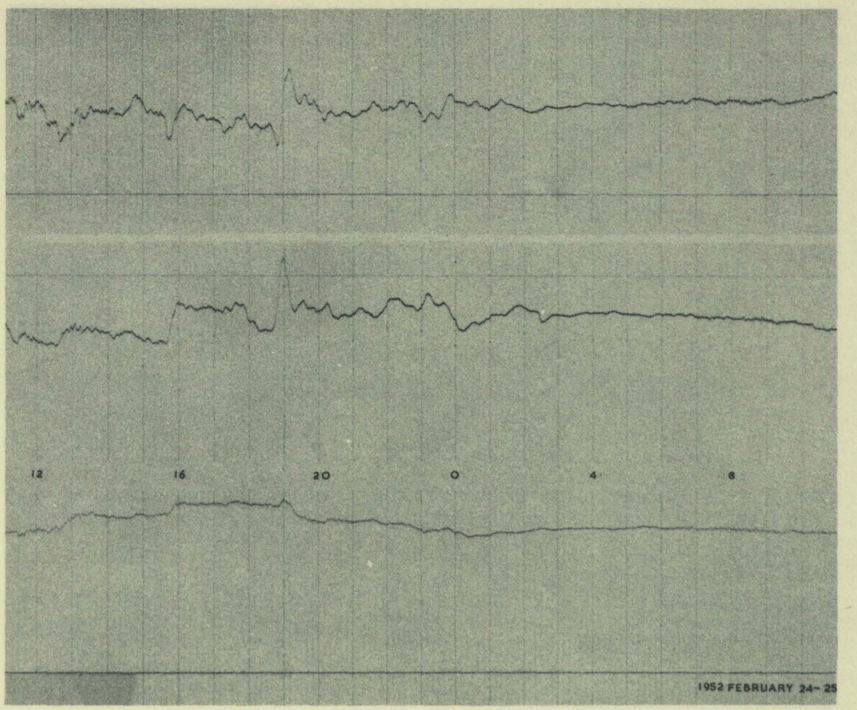
1952 FEBRUARY 23-24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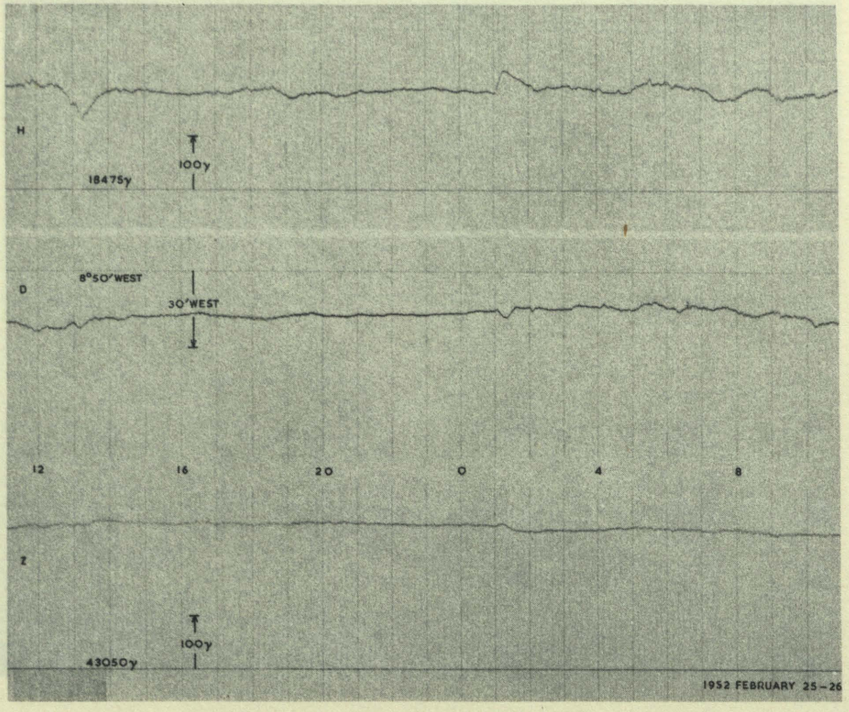
1952 FEBRUARY 24- 25


H
100γ
18475γ
D
8°50′WEST
30′WEST
12
16
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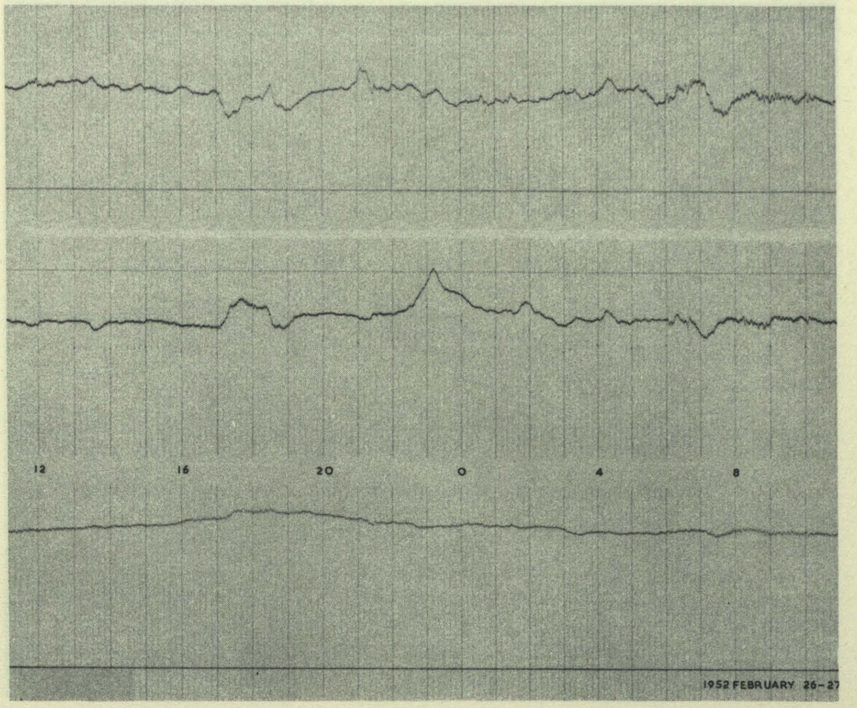
100γ
43050γ
1952 FEBRUARY 25–26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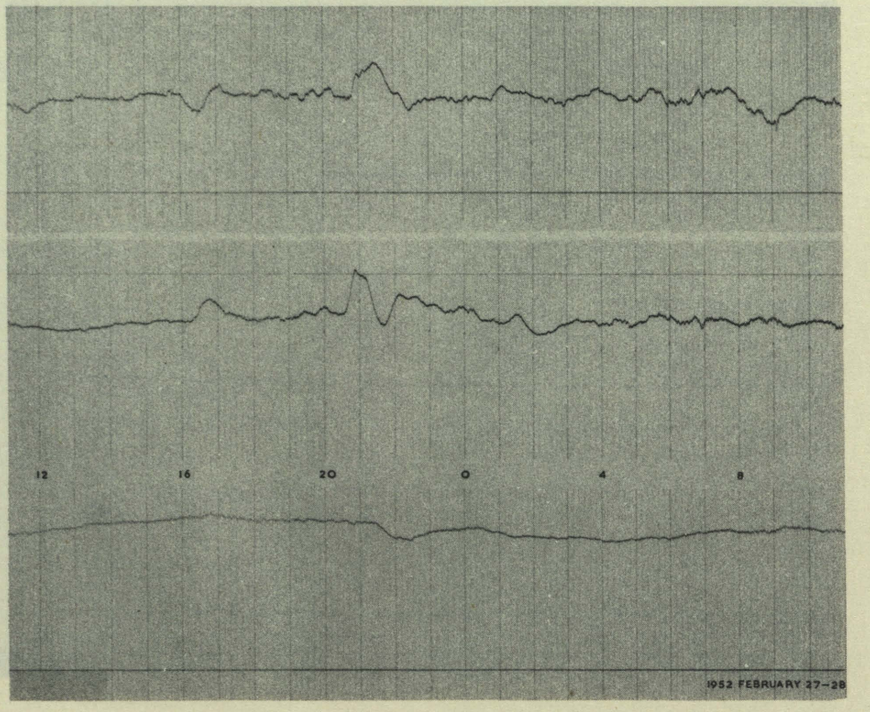
1952 FEBRUARY 26–27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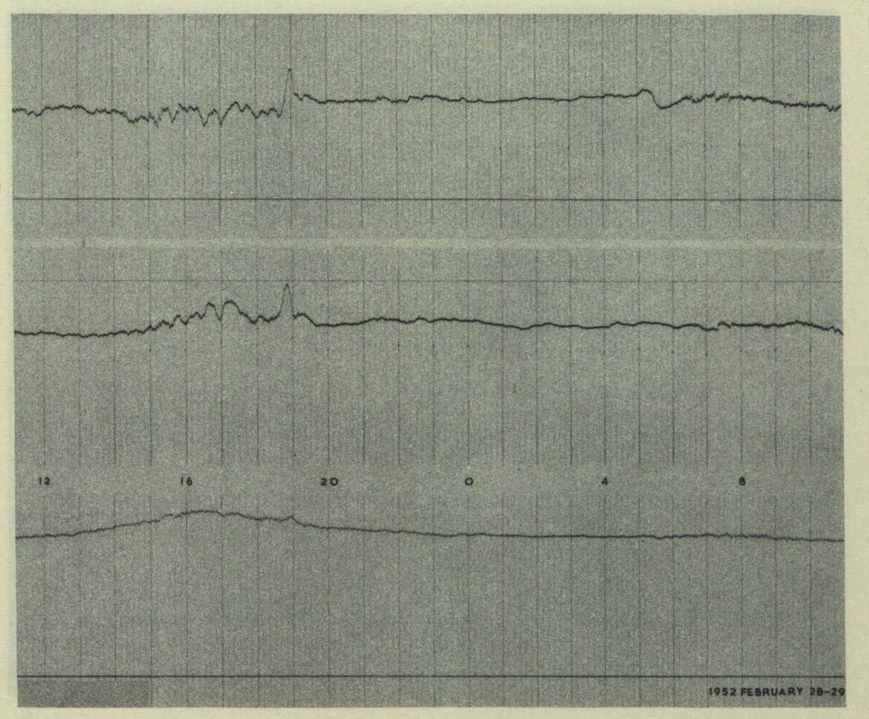
1952 FEBRUARY 27–28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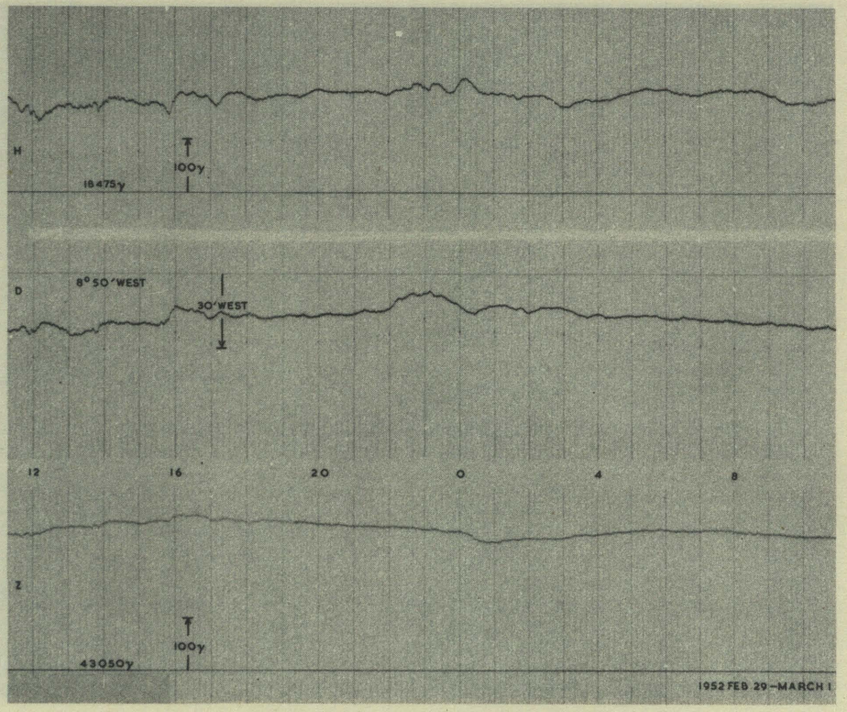
1952 FEBRUARY 28–29


H
100γ
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30'WEST
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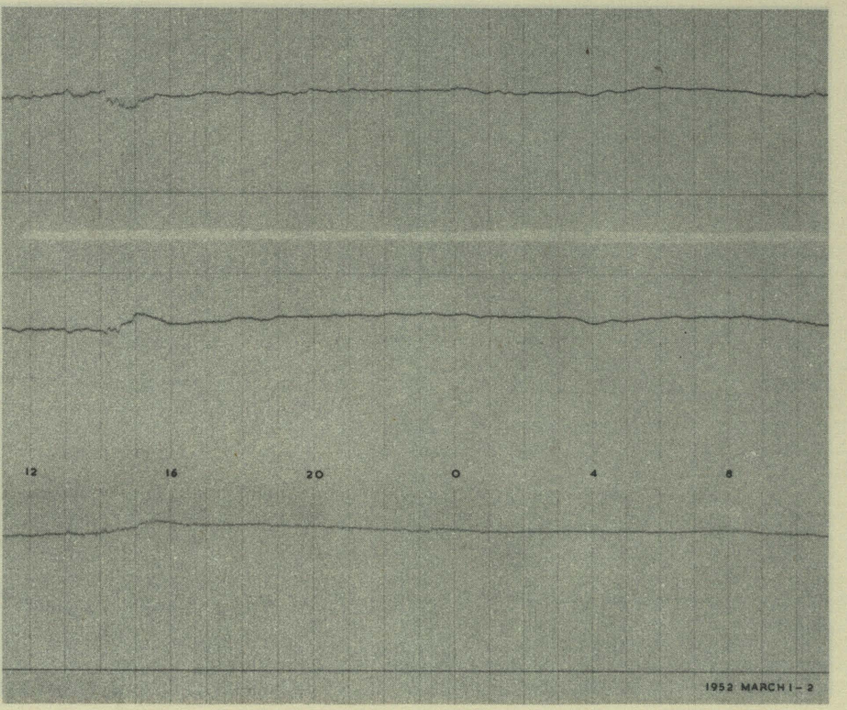
100γ
43050γ
1952 FEB 29–MARCH 1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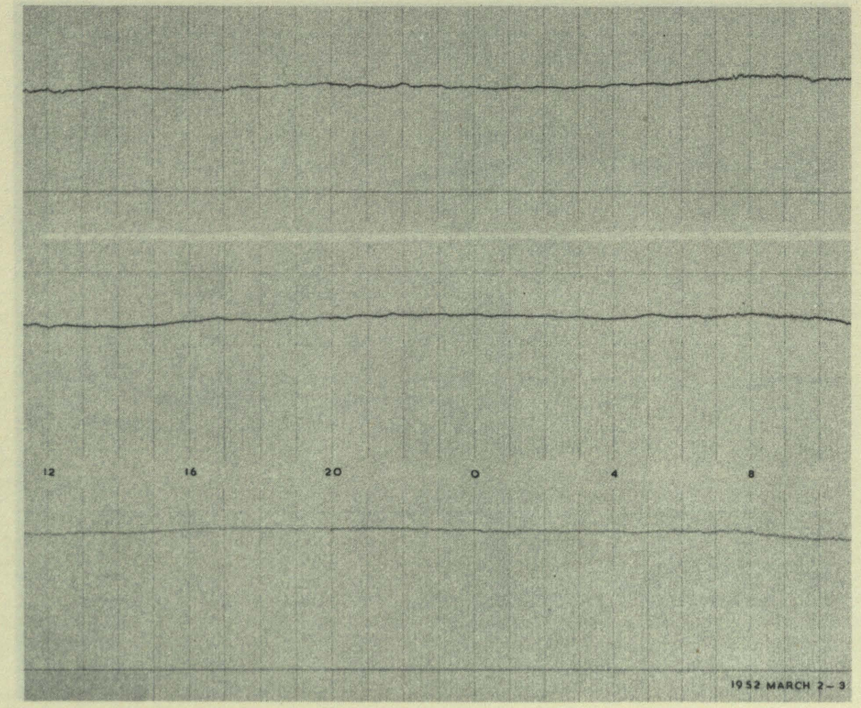
1952 MARCH 1–2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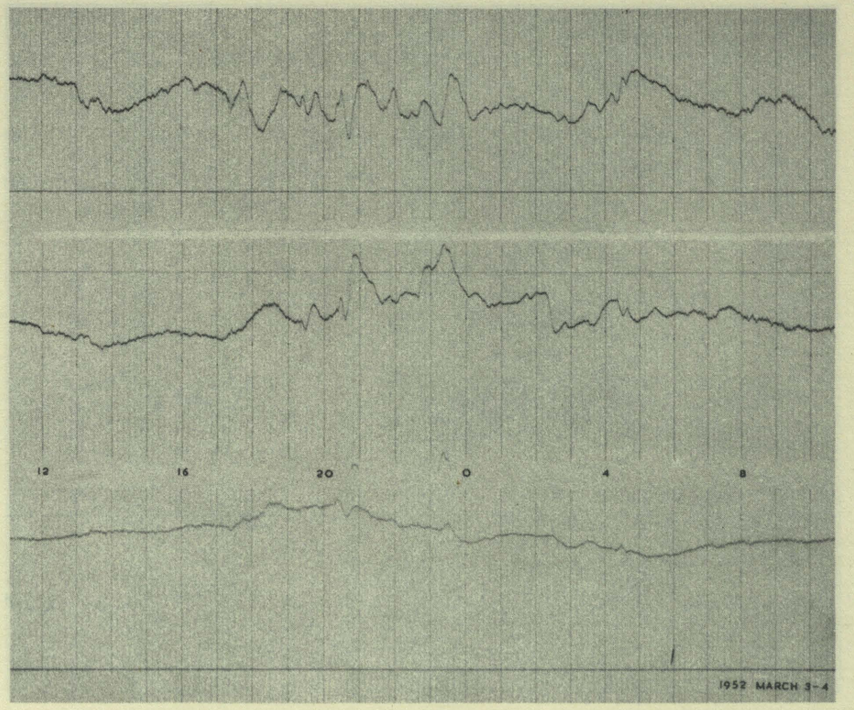
1952 MARCH 2–3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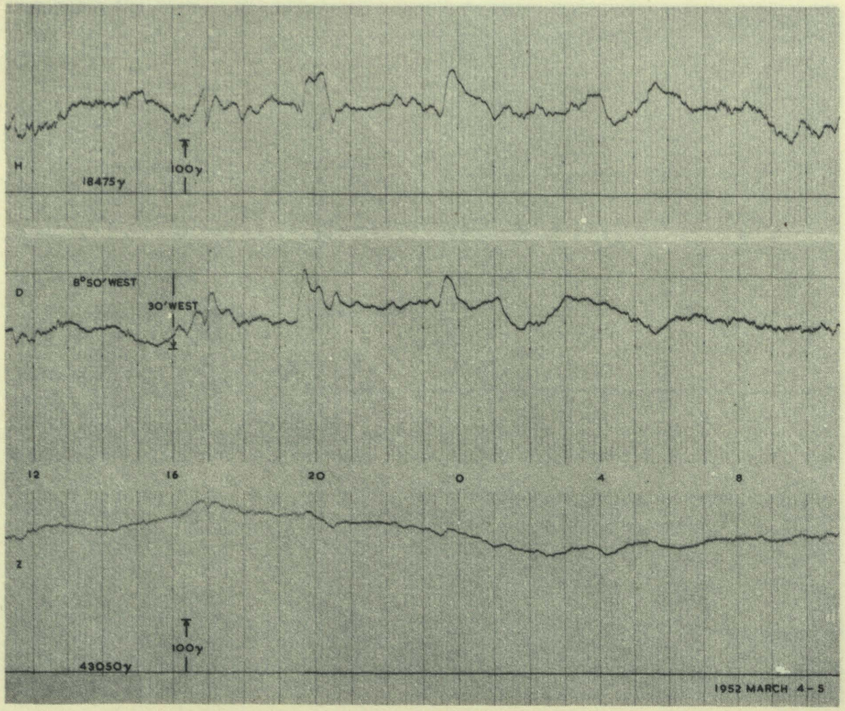
1952 MARCH 3–4


H
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D
8°50' WEST
30' WEST
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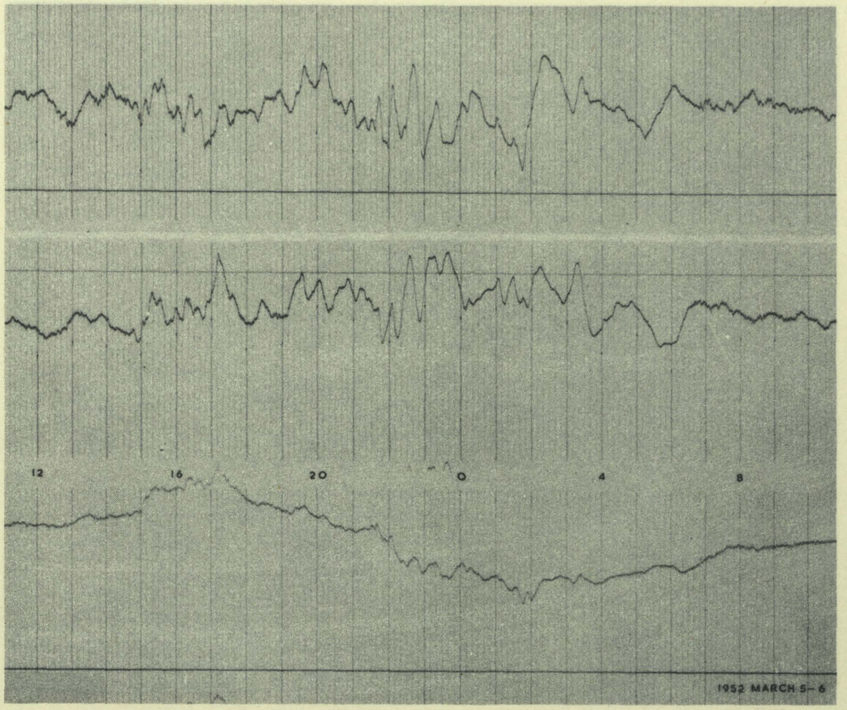
1952 MARCH 4–5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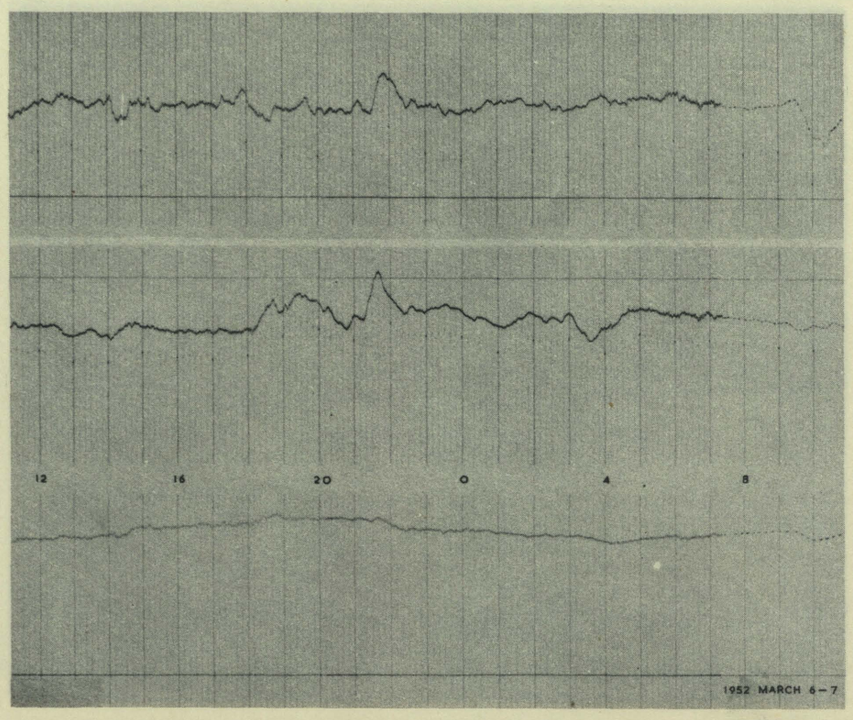
1952 MARCH 5–6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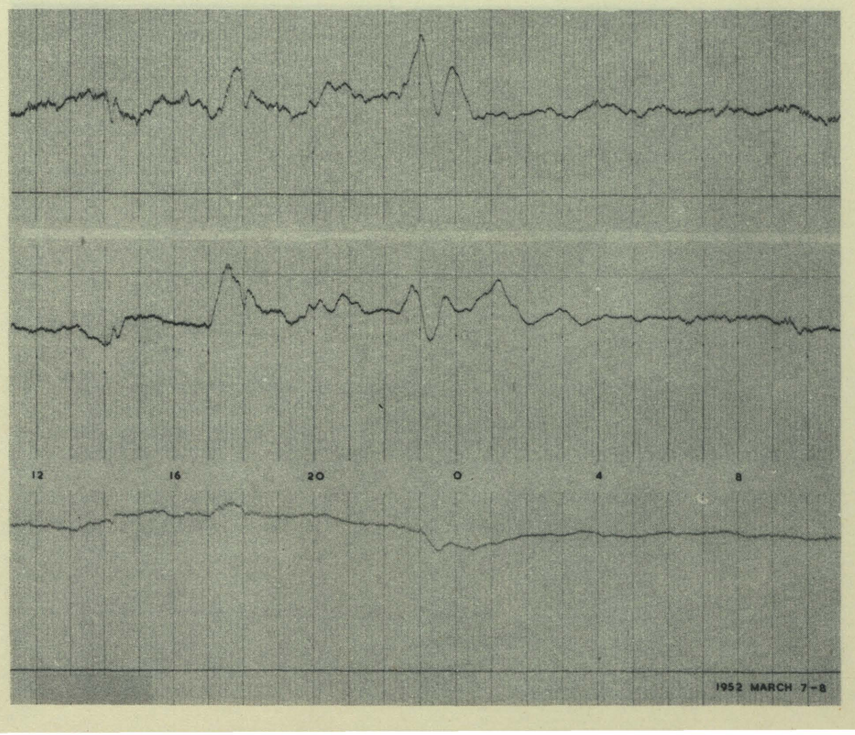
1952 MARCH 6–7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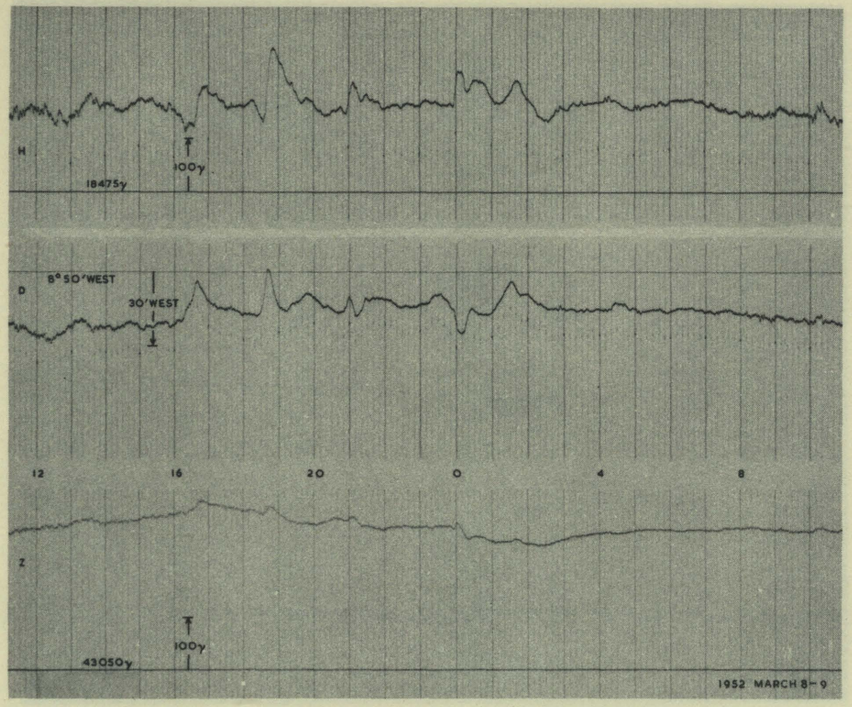
1952 MARCH 7–8


H
18475γ
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D
8° 50' WEST
30' WEST
12
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43050γ
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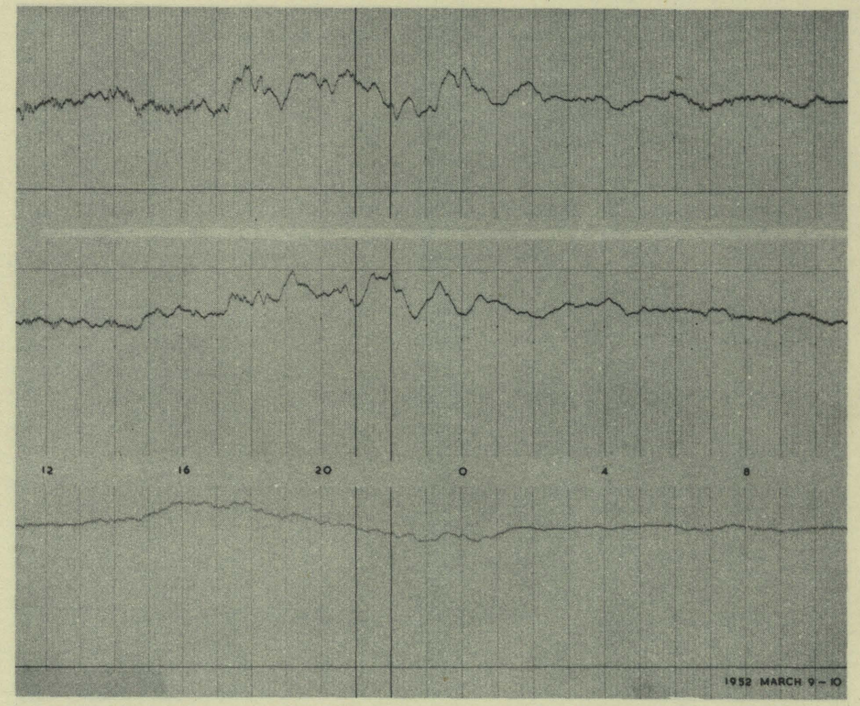
1952 MARCH 8–9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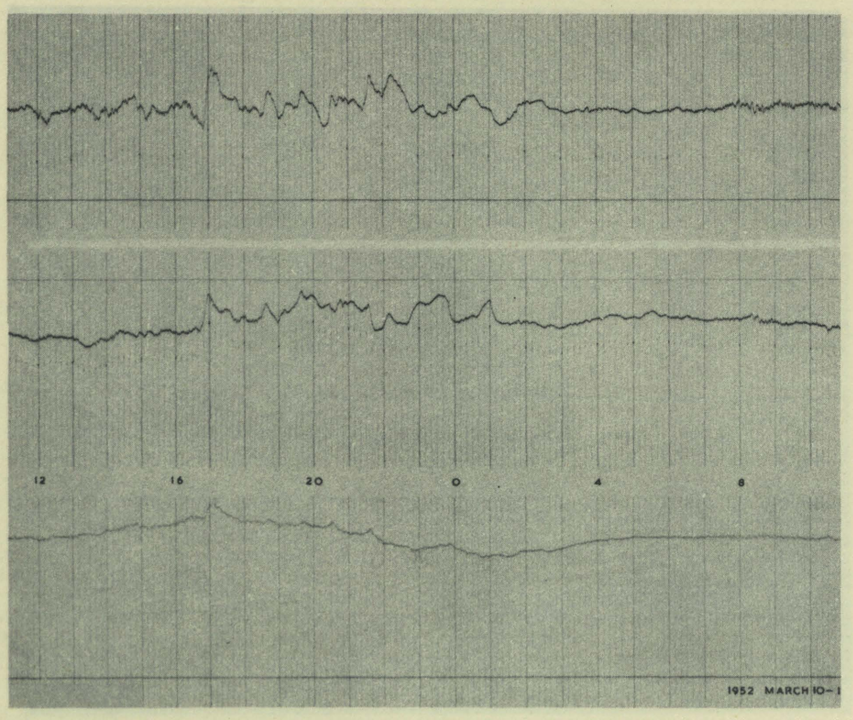
1952 MARCH 9–10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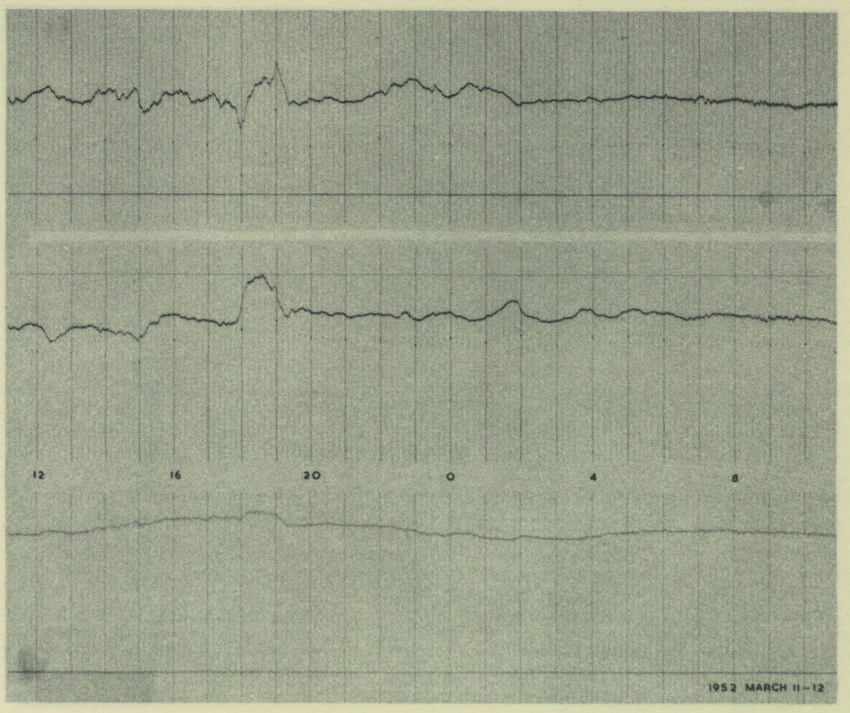
1952 MARCH 10–1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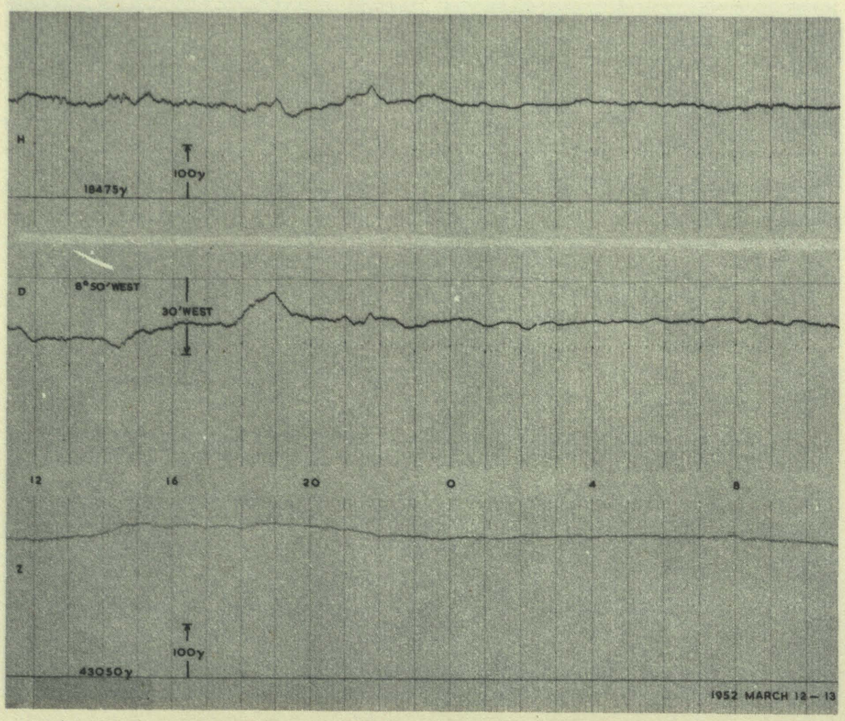
1952 MARCH 11–12


H
18475γ
100γ
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8°50'WEST
30'WEST
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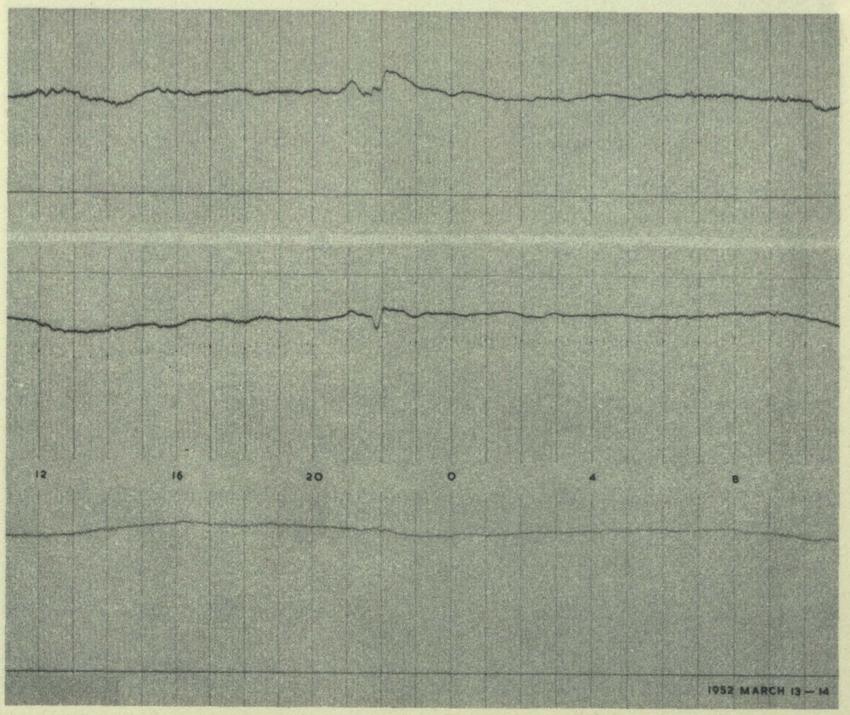
1952 MARCH 12 — 13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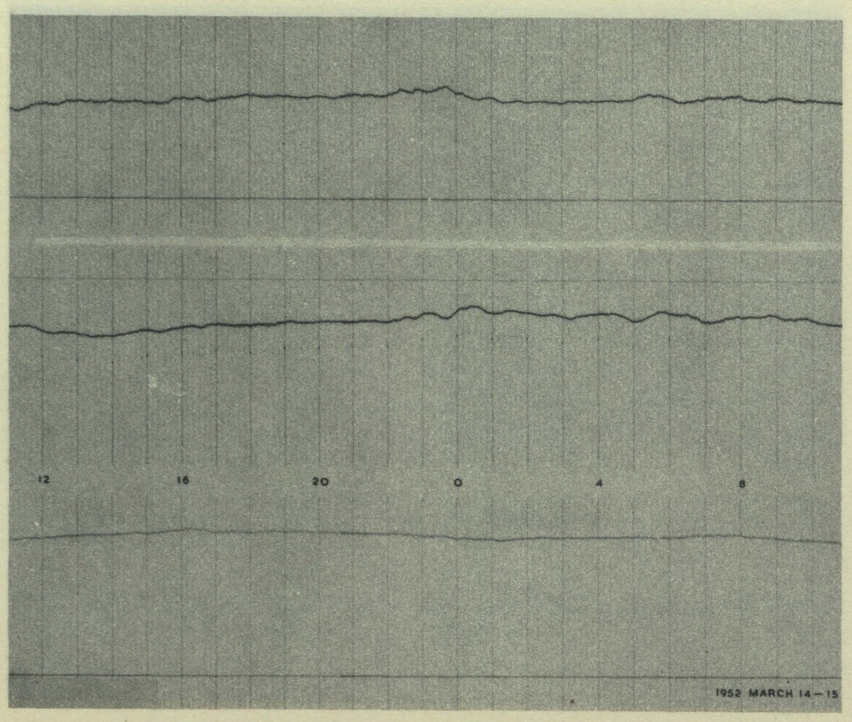
1952 MARCH 13 — 14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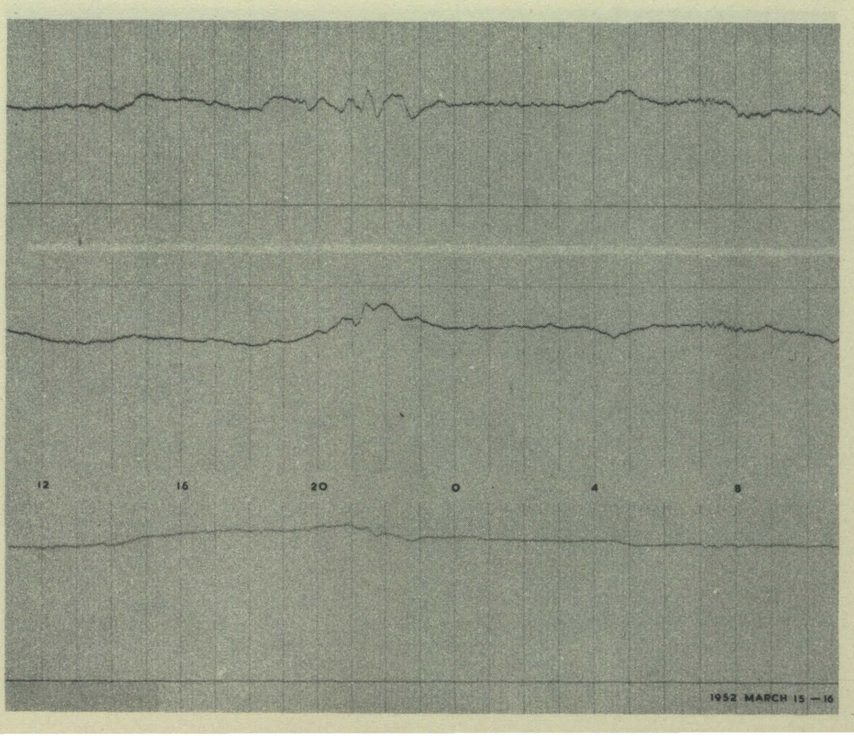
1952 MARCH 14 — 15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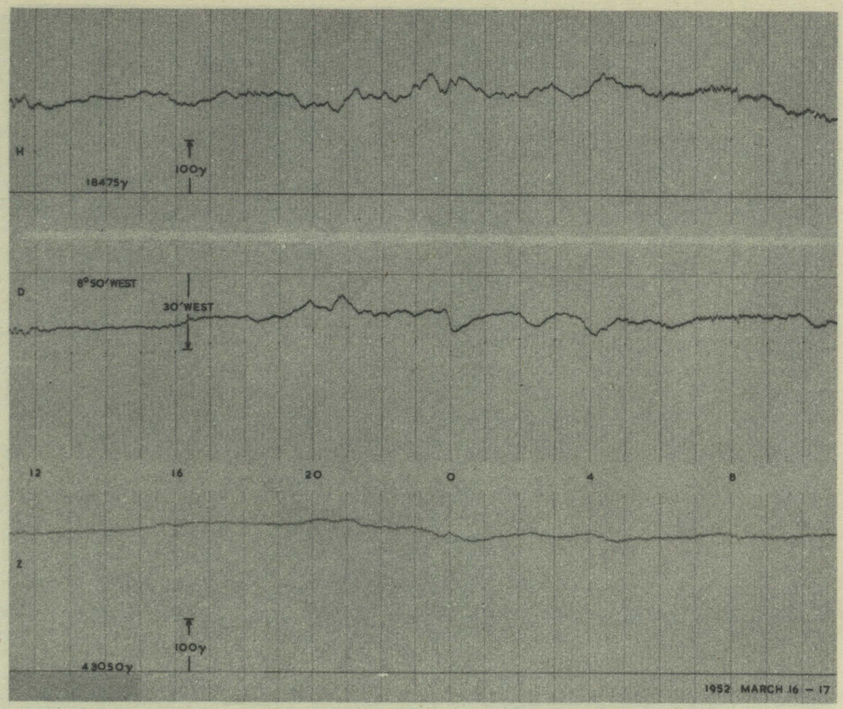
1952 MARCH 15 — 16


H
18475γ
100γ
D
8°50'WEST
30'WEST
12
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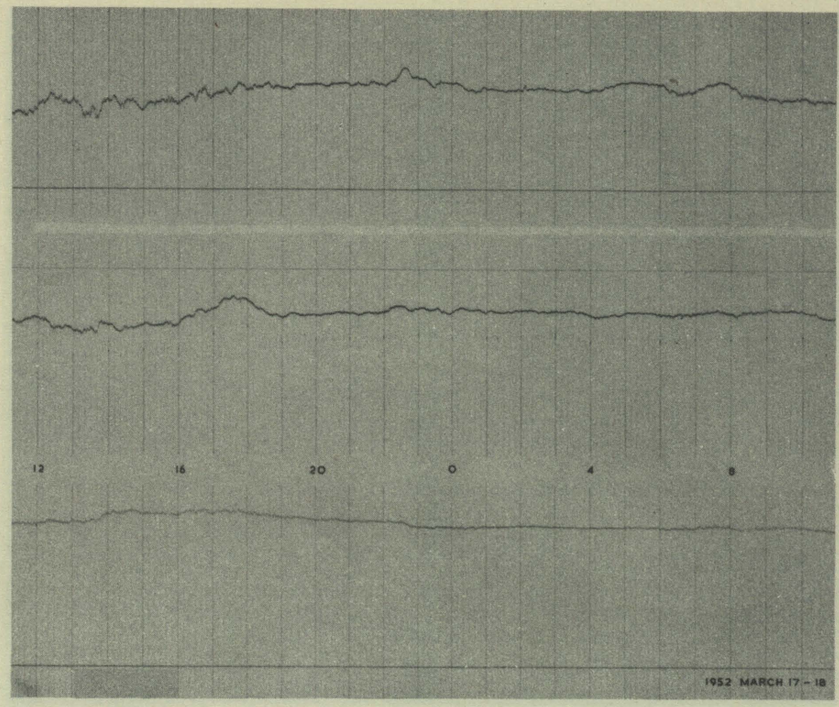
43050γ
1952 MARCH 16 – 17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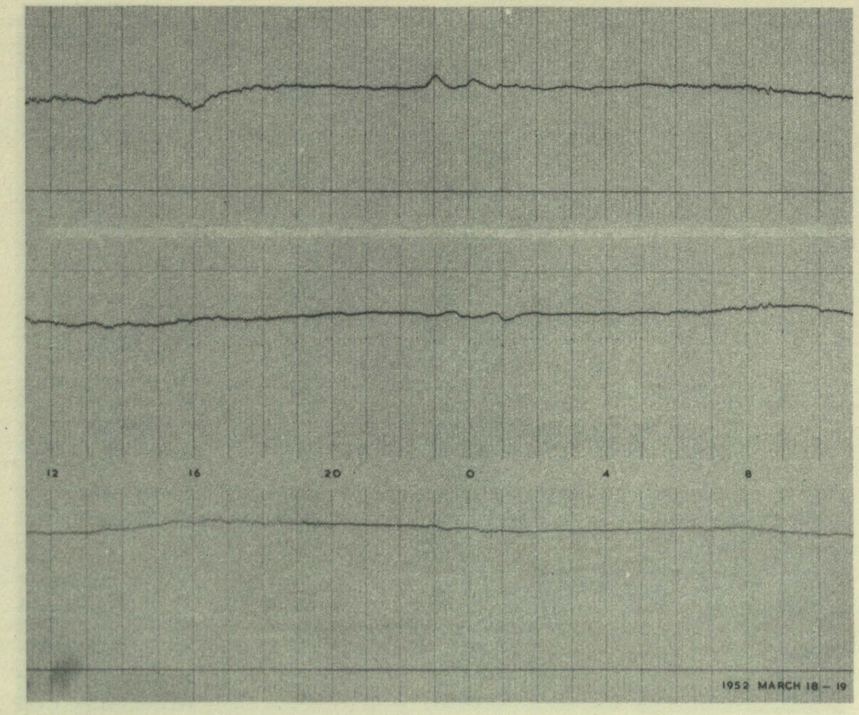
1952 MARCH 17 – 18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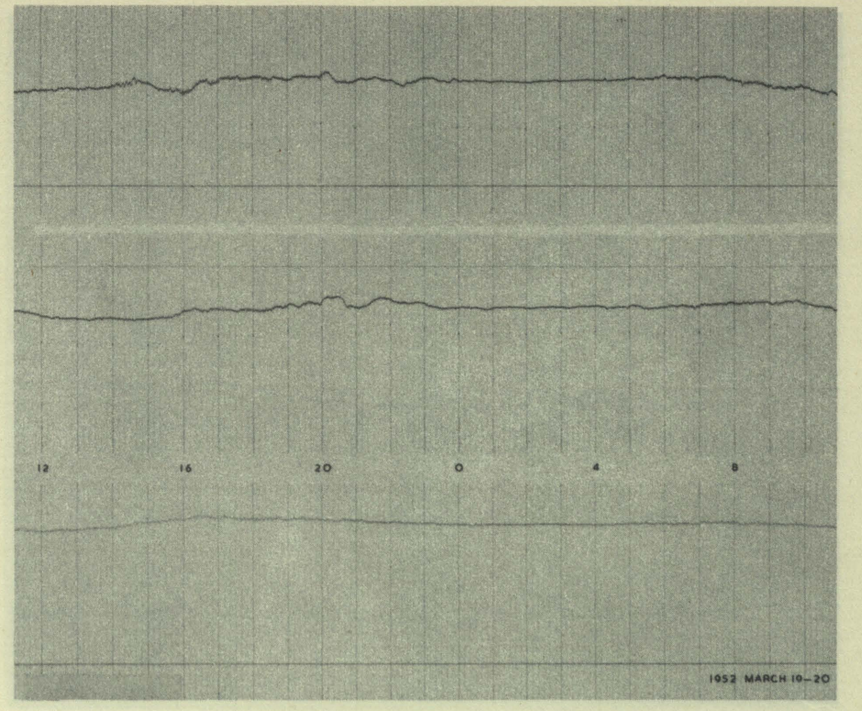
1952 MARCH 18 – 19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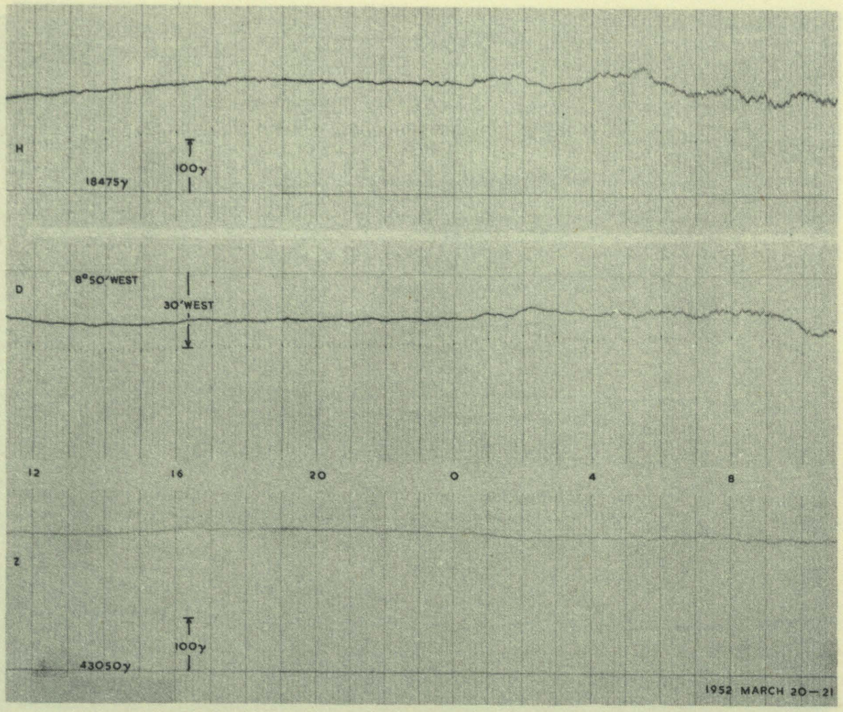
1952 MARCH 19–20


H
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100y
D
8°50'WEST
30'WEST
12
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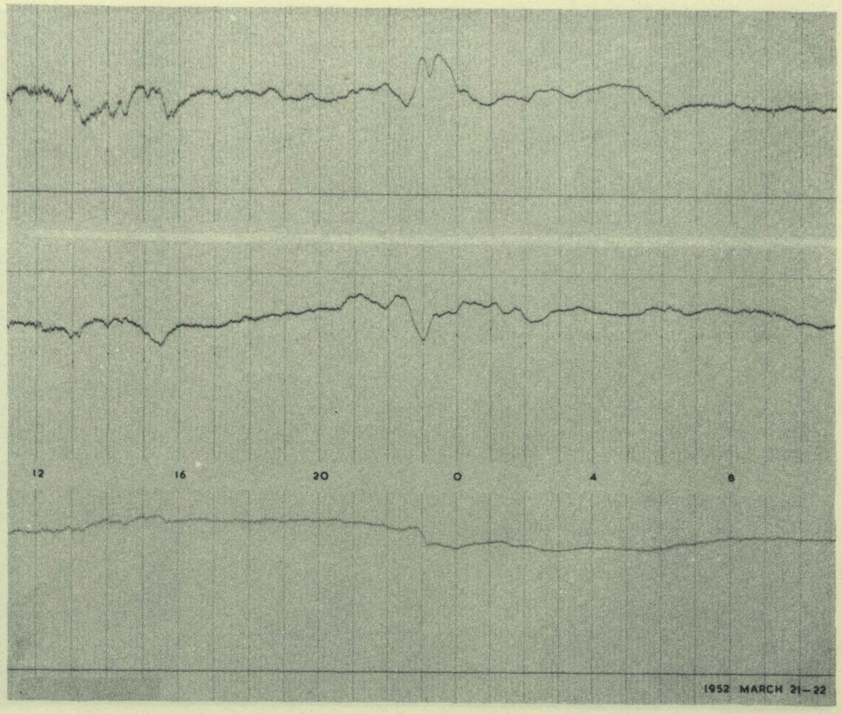
Z
100y
43050y
1952 MARCH 20—21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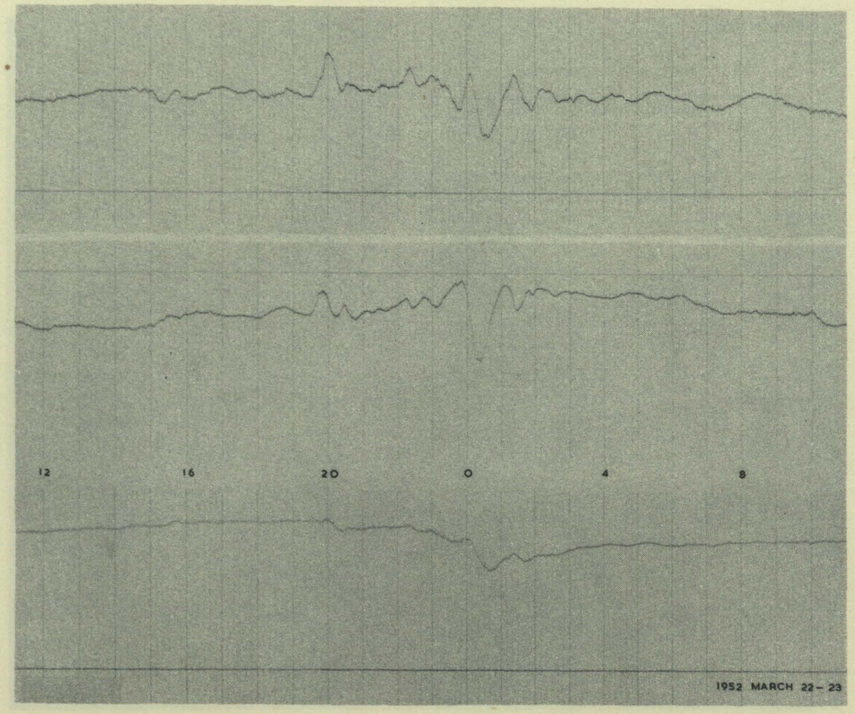
1952 MARCH 21—22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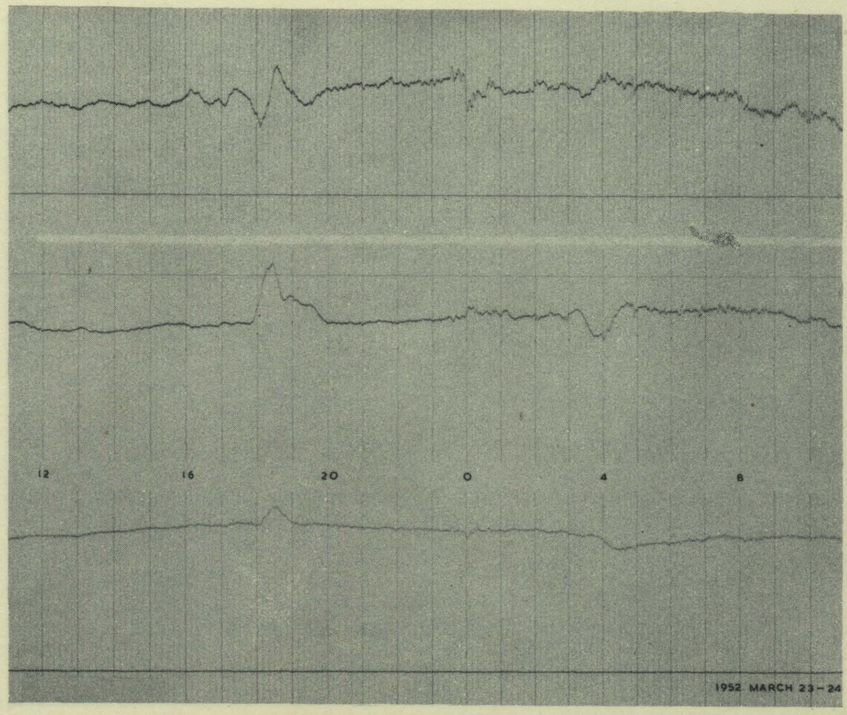
1952 MARCH 22—23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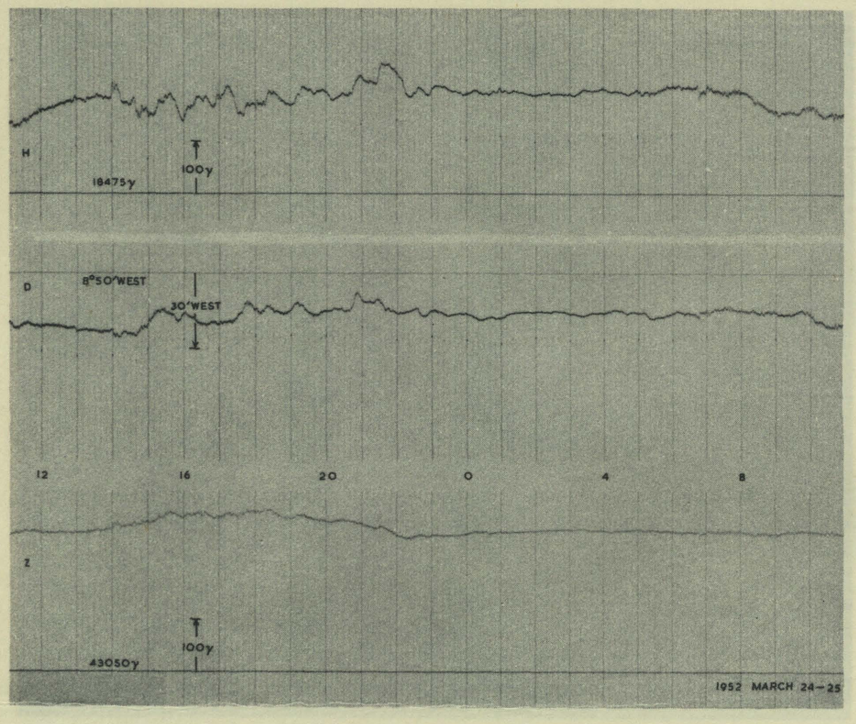
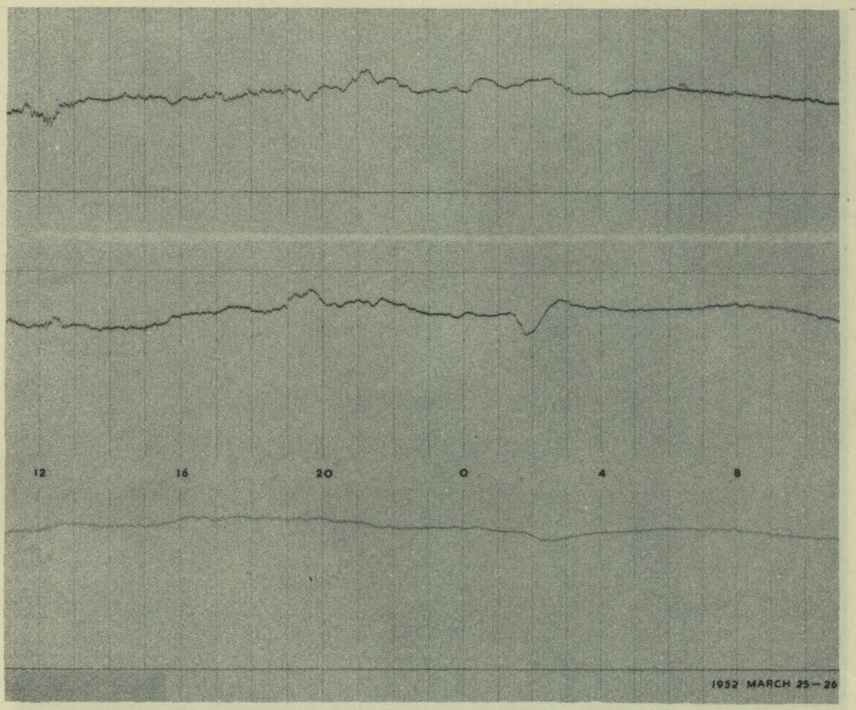
1952 MARCH 23—24


H
18475γ
100γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
43050γ
100γ
1952 MARCH 24–25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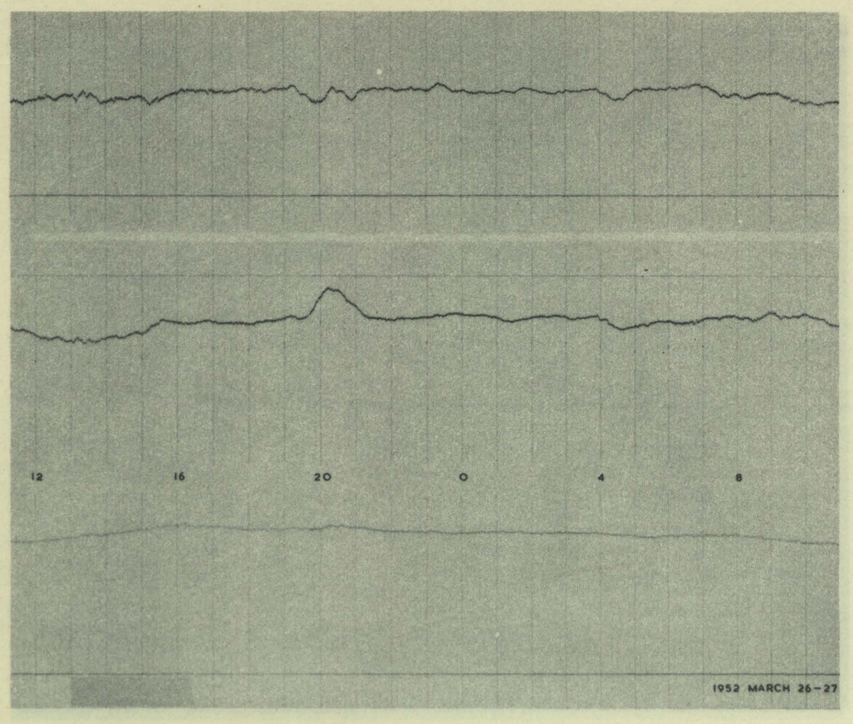
1952 MARCH 25–26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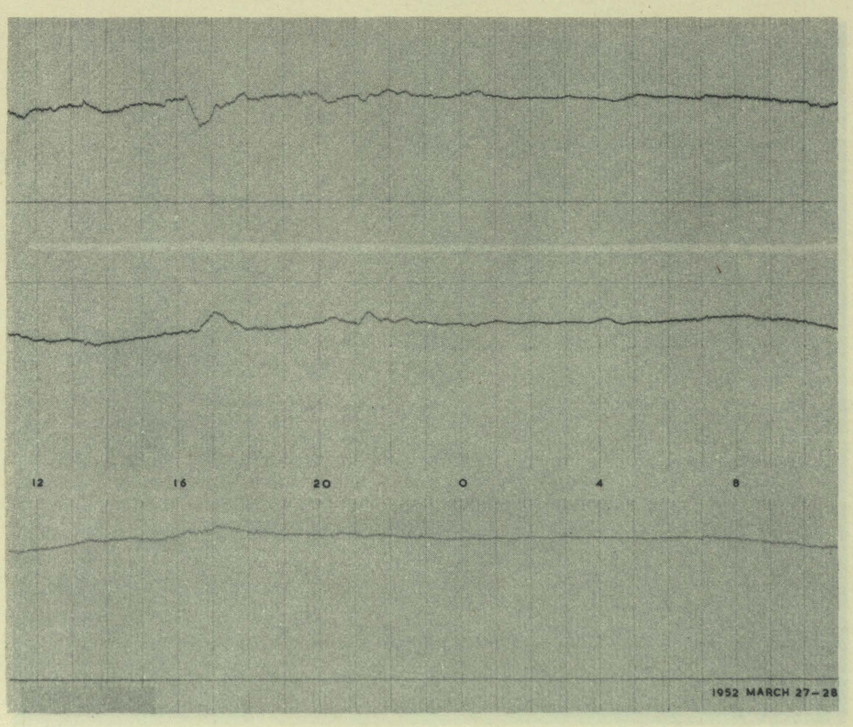
1952 MARCH 26–27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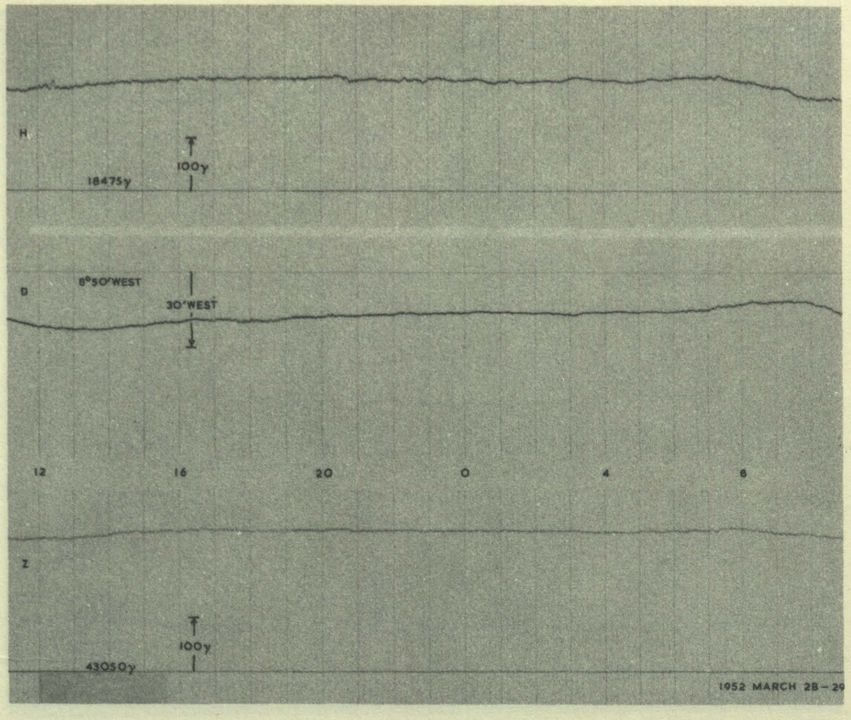
1952 MARCH 27–28


H
100γ
18475γ
D
8°50'WEST
30'WEST
12
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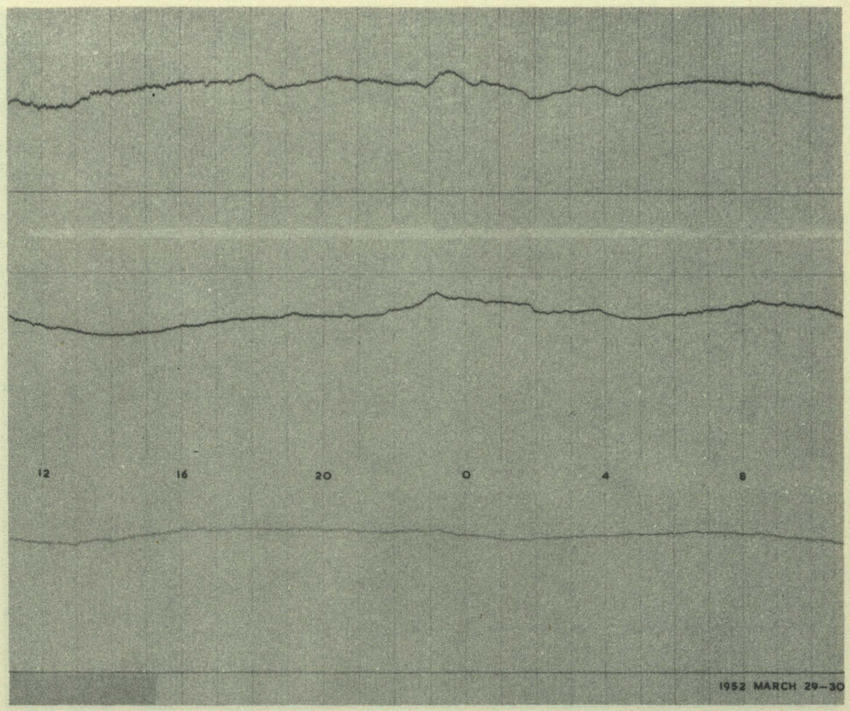
20
0
4
8
Z
100γ
43050γ
1952 MARCH 28–29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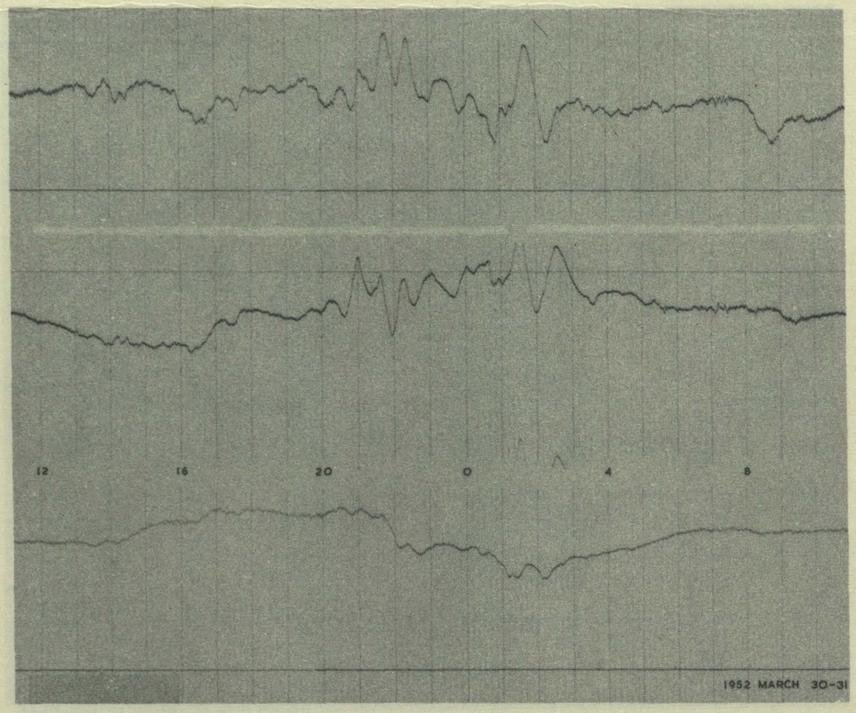
1952 MARCH 29–30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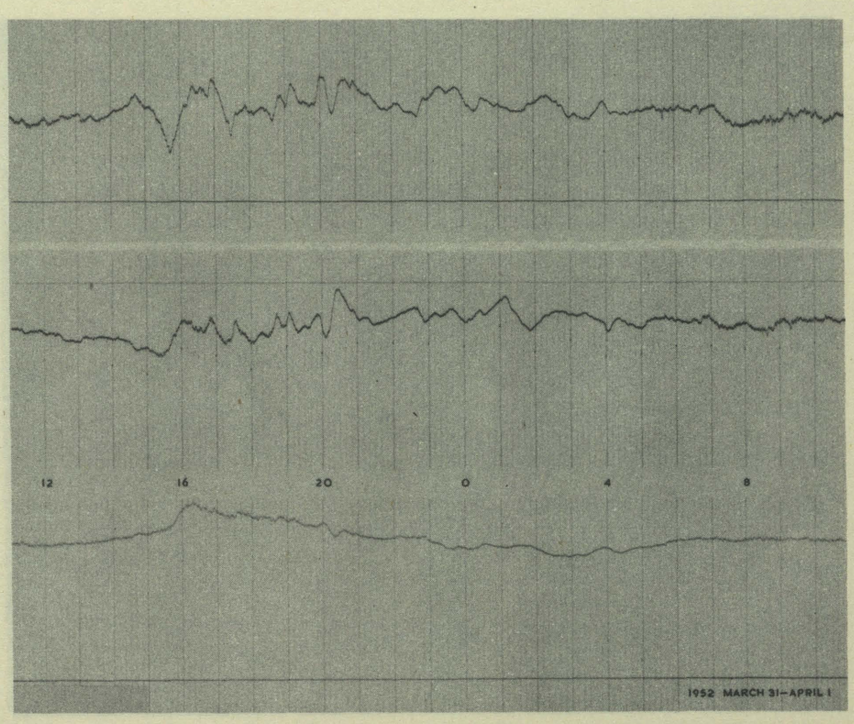
1952 MARCH 30–31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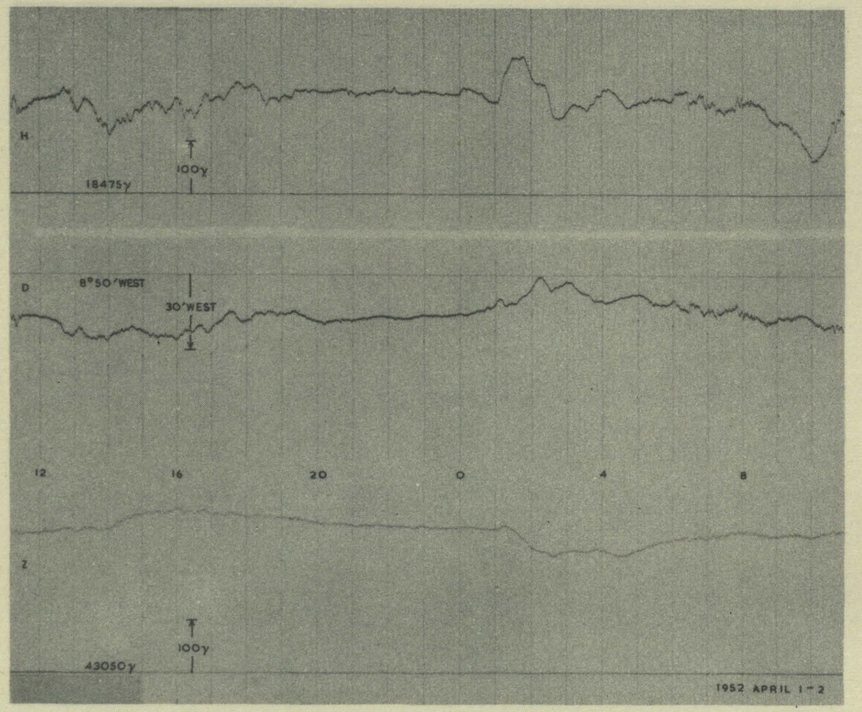
1952 MARCH 31–APRIL 1


H
100γ
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D
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30' WEST
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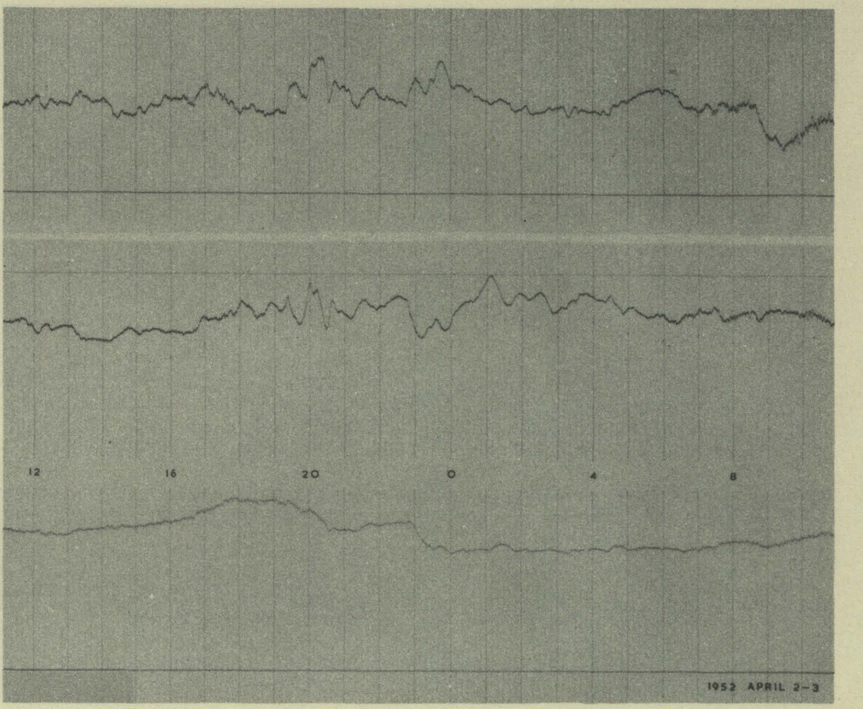
20
0
4
8
Z
100γ
43050γ
1952 APRIL 1-2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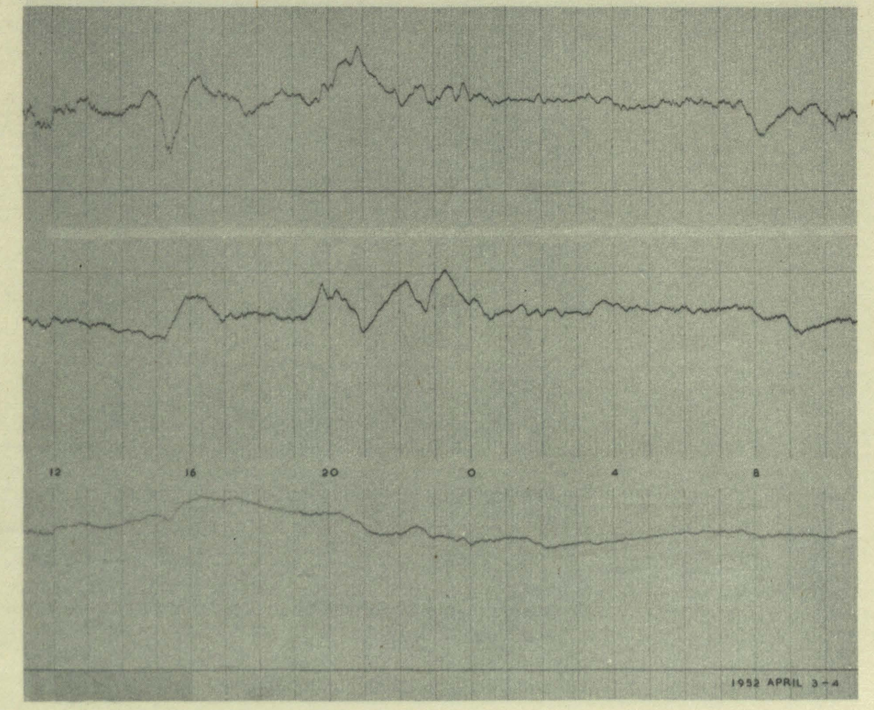
1952 APRIL 2-3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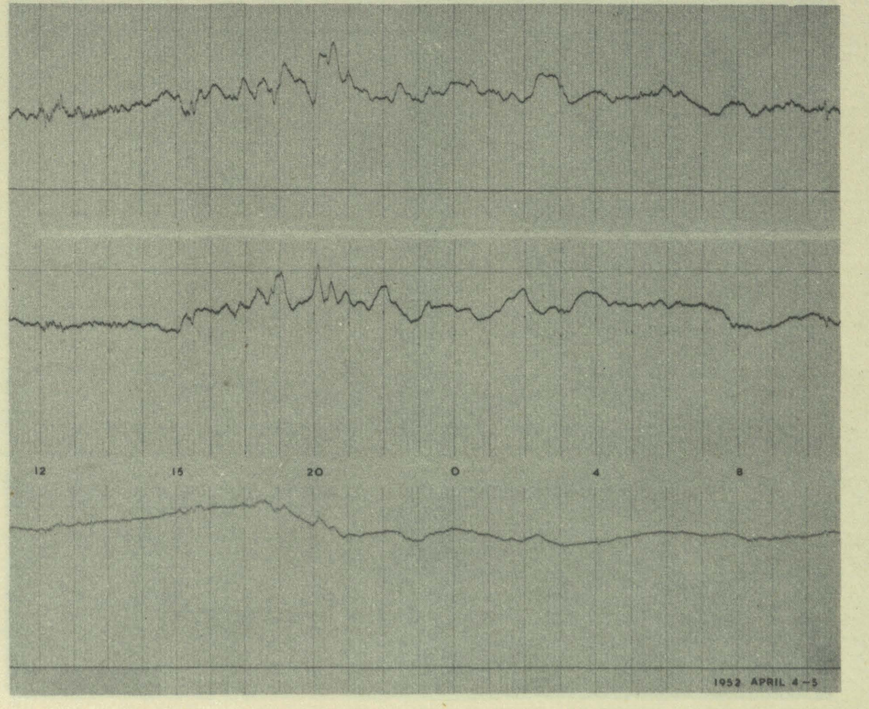
4
8
1952 APRIL 3-4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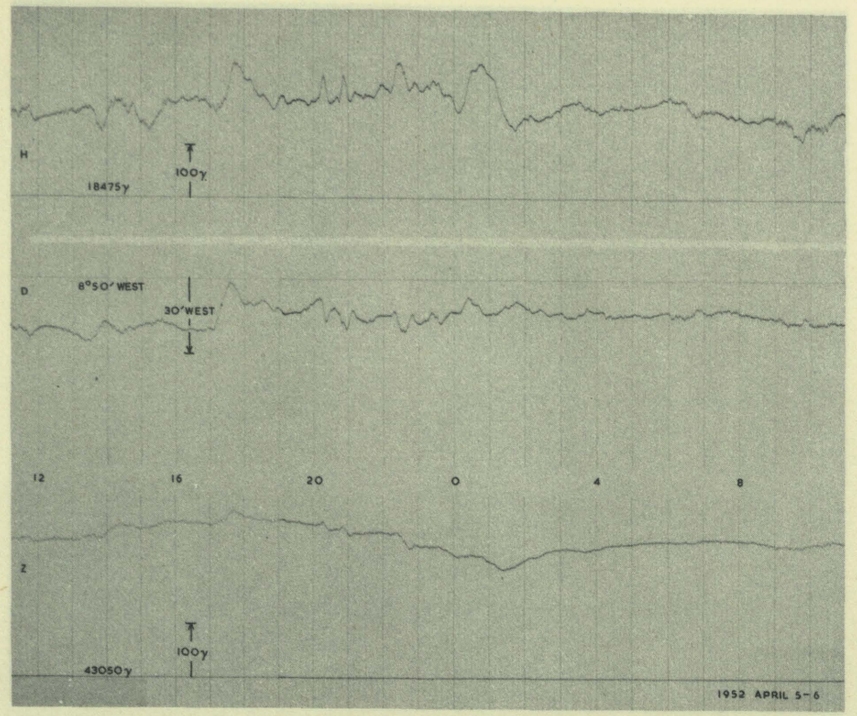
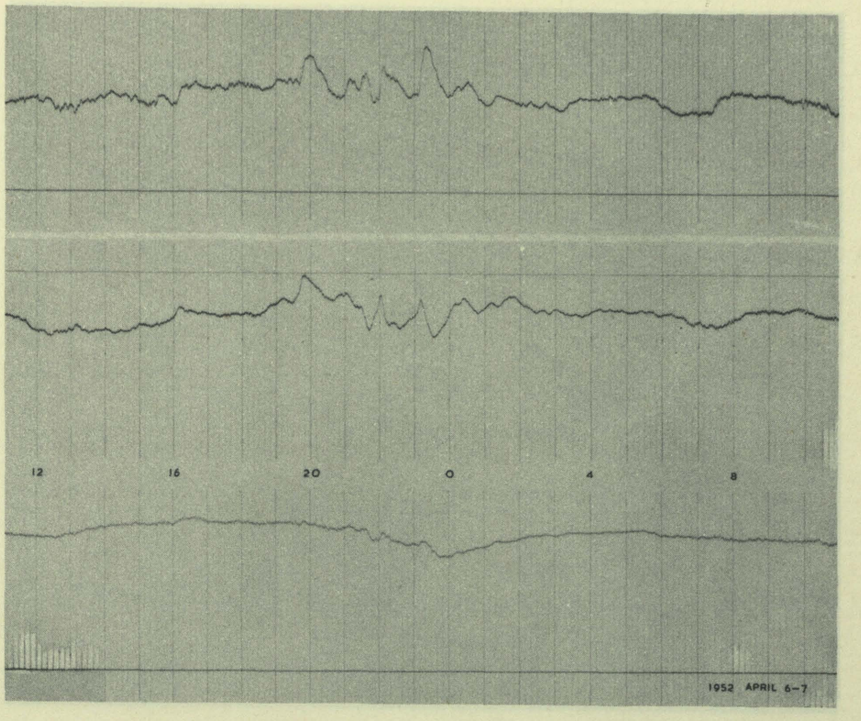
1952 APRIL 4-5


H
18475γ
100γ
D
8°50' WEST
30' WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 APRIL 5–6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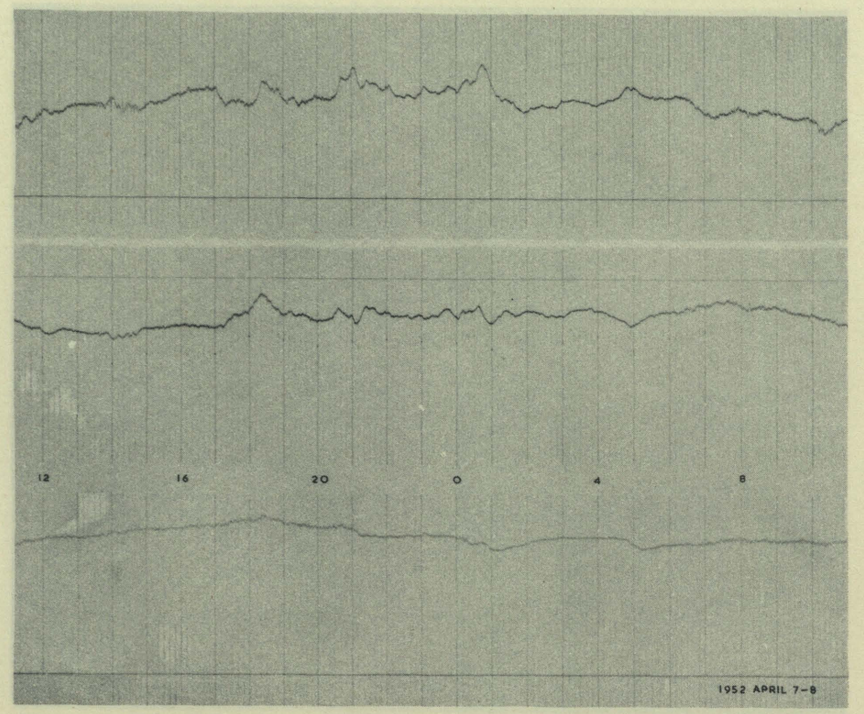
1952 APRIL 6–7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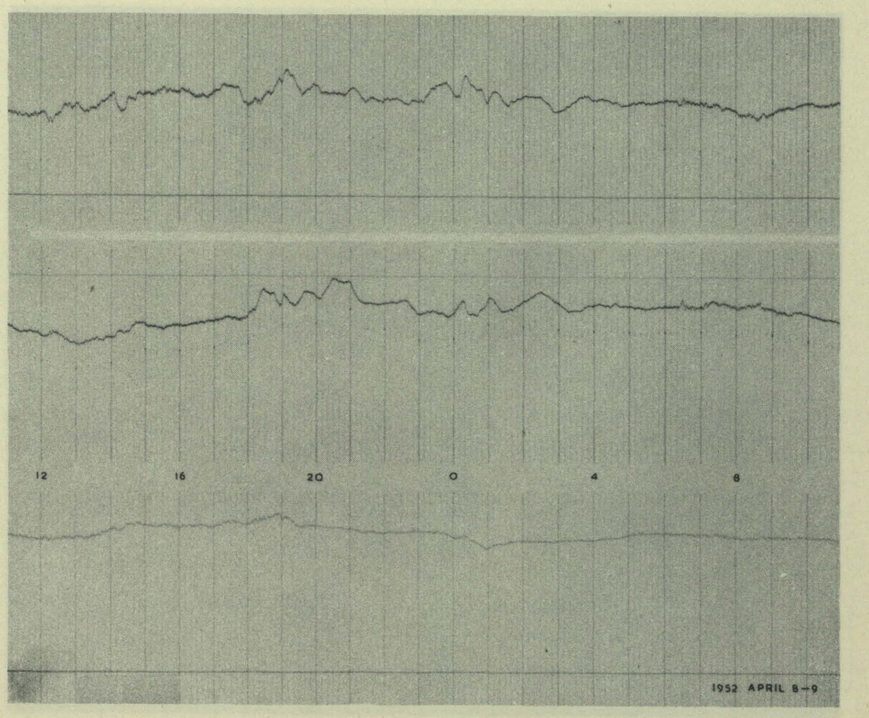
1952 APRIL 7–8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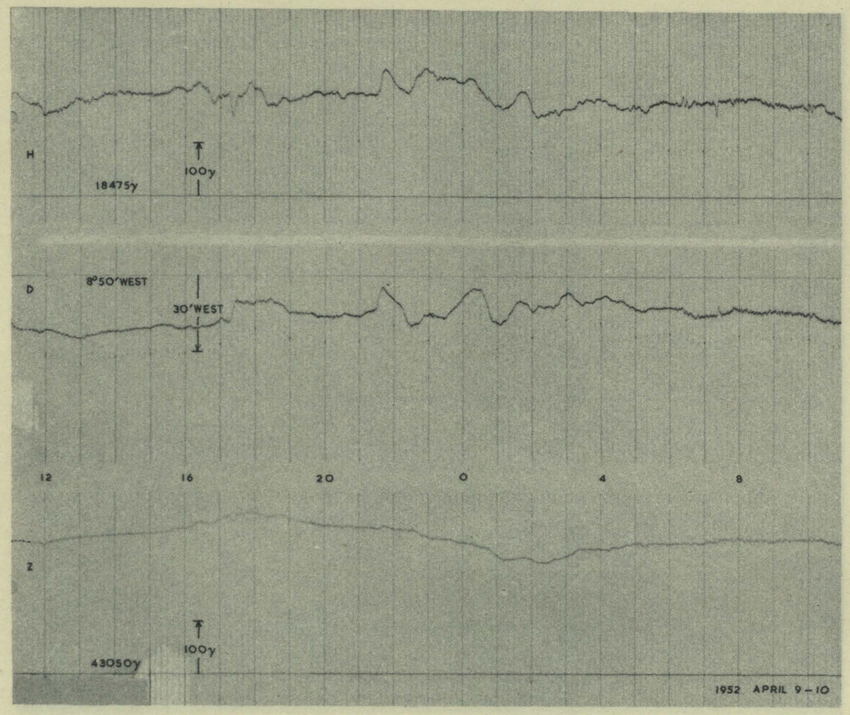
1952 APRIL 8–9


H
18475γ
100γ
D
8°50'WEST
30'WEST
12
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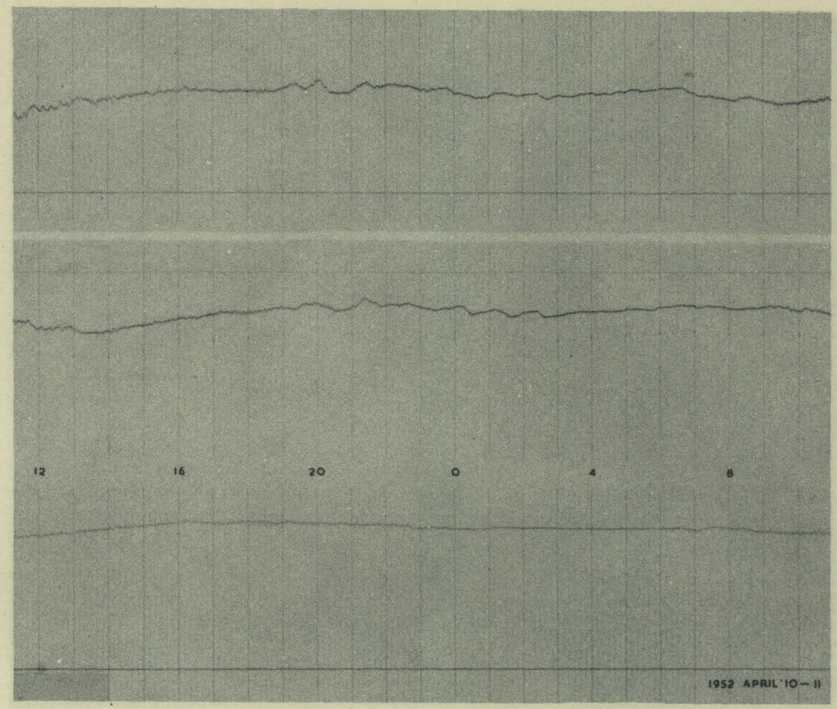
20
0
4
8
Z
43050γ
100γ
1952 APRIL 9–10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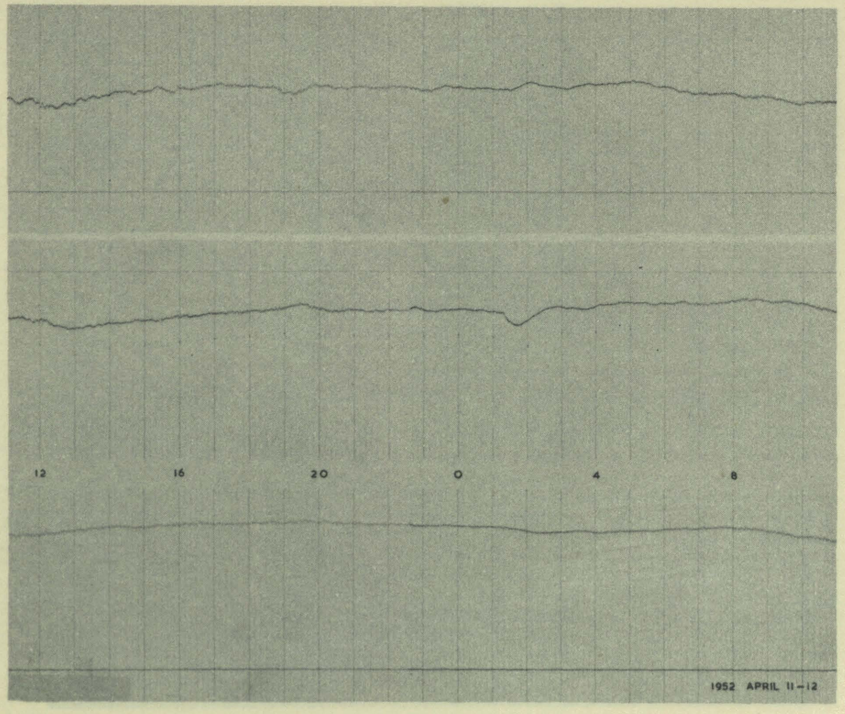
1952 APRIL 10–11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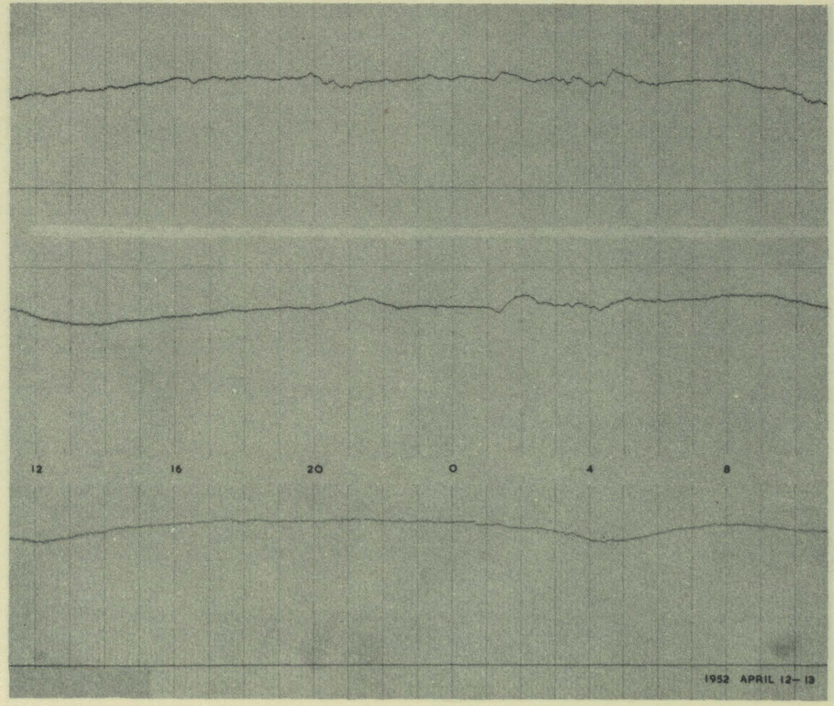
1952 APRIL 11–12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4
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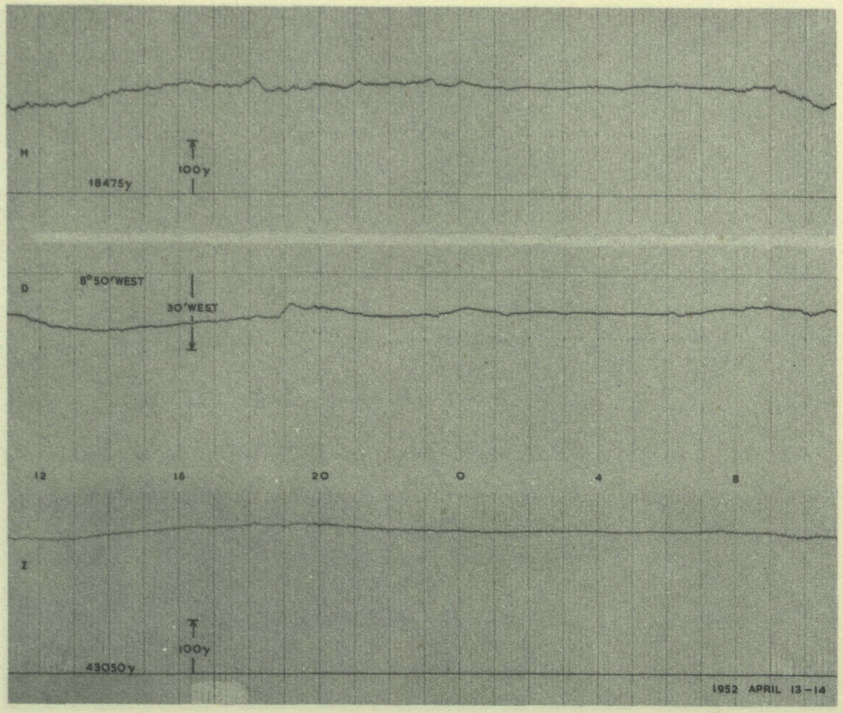
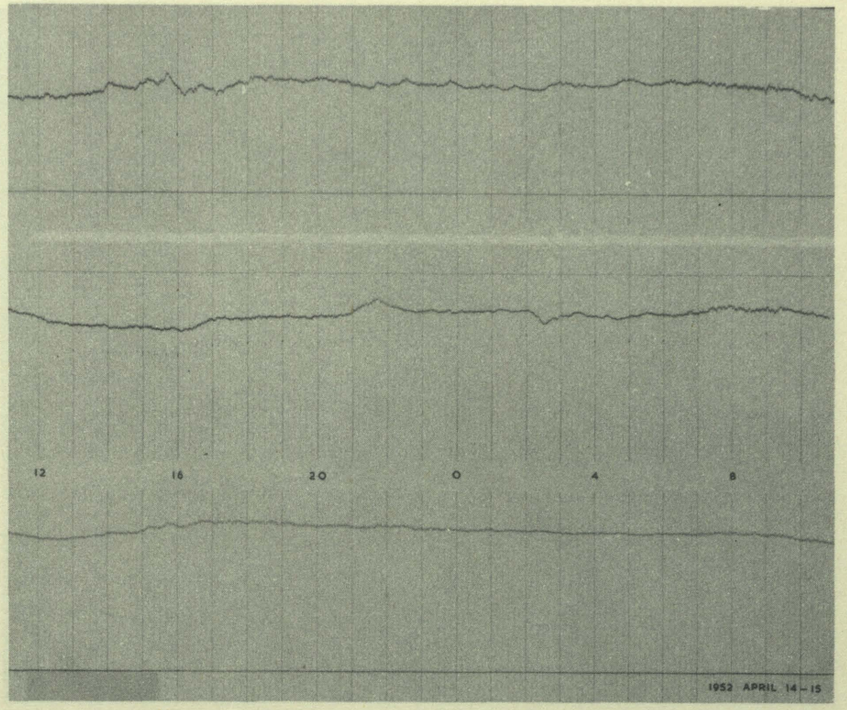
1952 APRIL 12–13


H
18475γ
100γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 APRIL 13–14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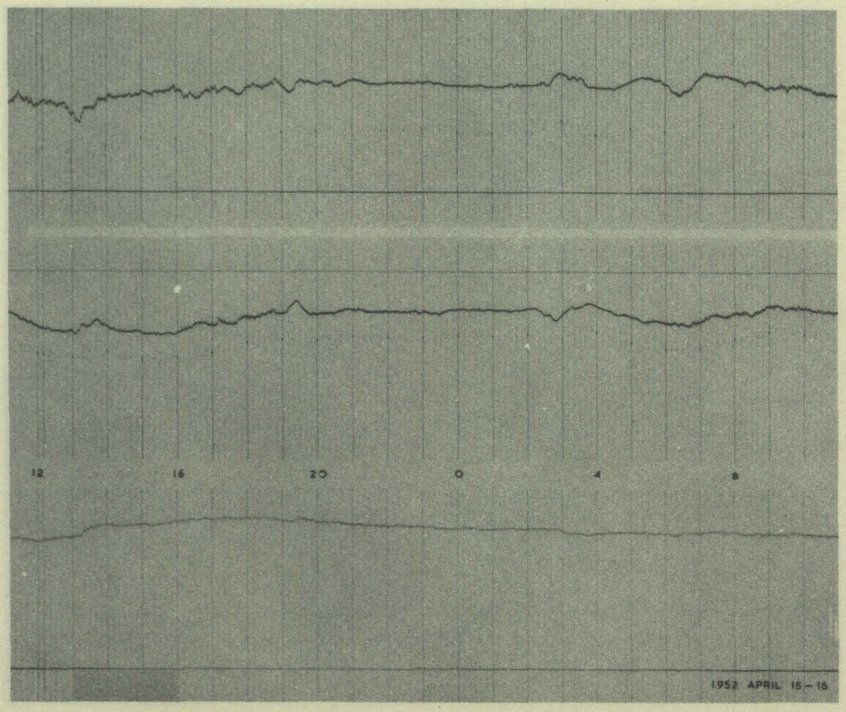
1952 APRIL 14–15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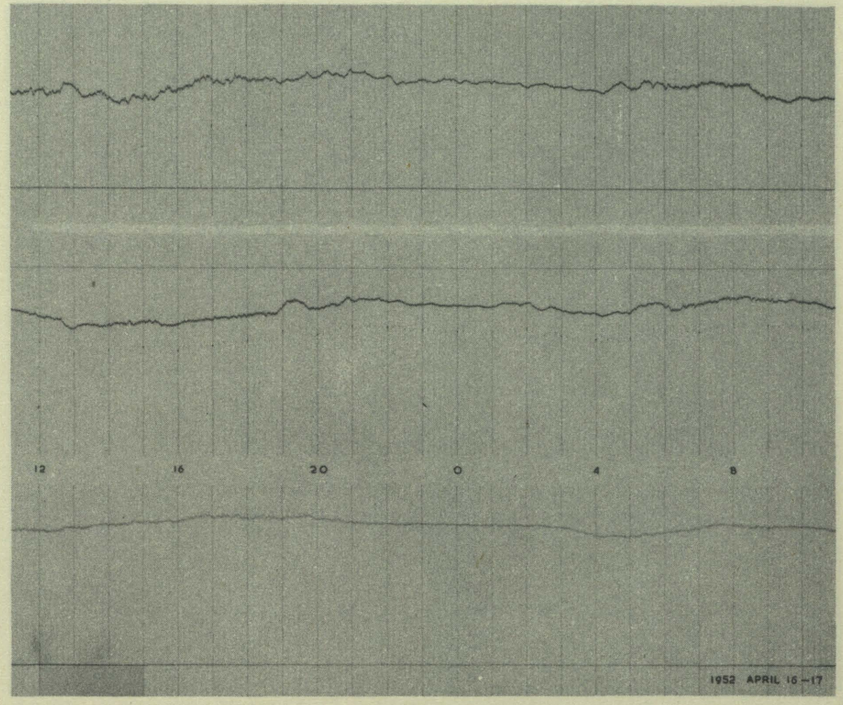
1952 APRIL 15–16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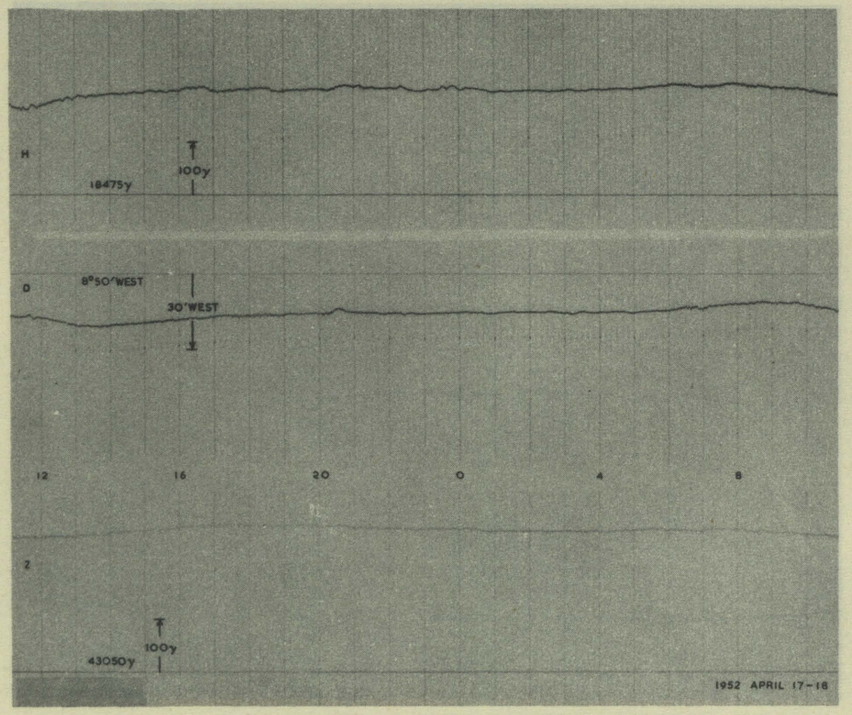
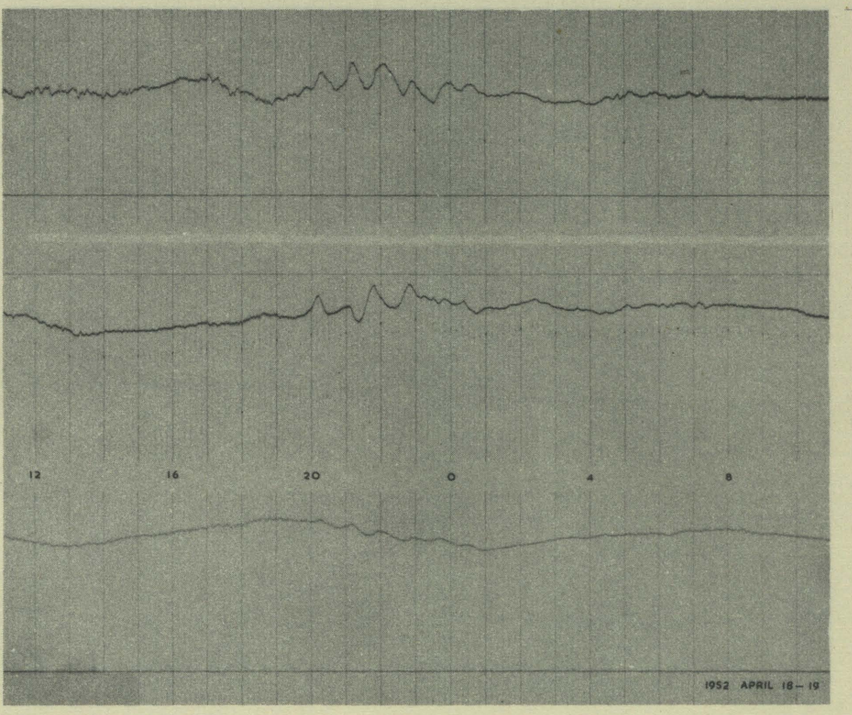
1952 APRIL 16–17


H
18475γ
100γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 APRIL 17-18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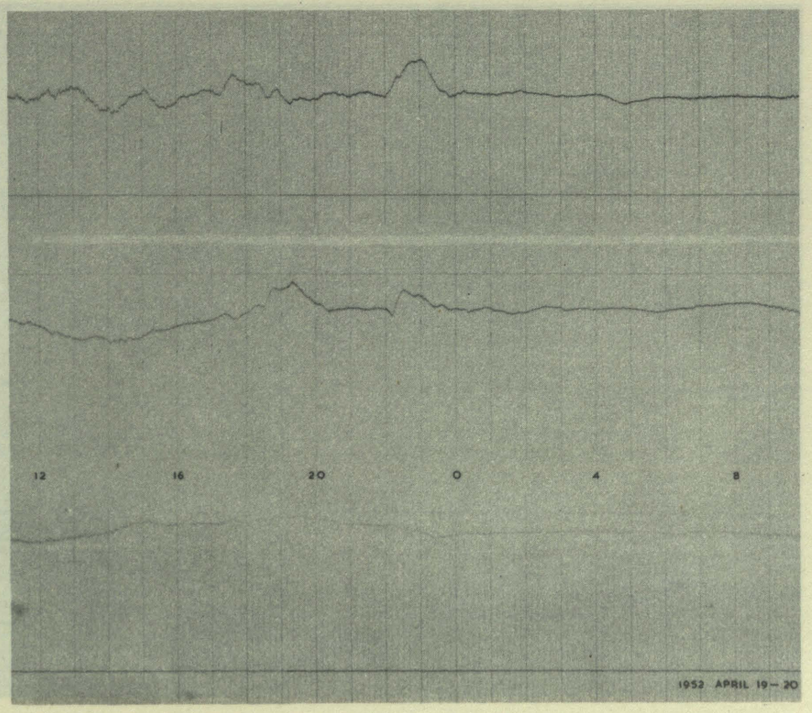
1952 APRIL 18-19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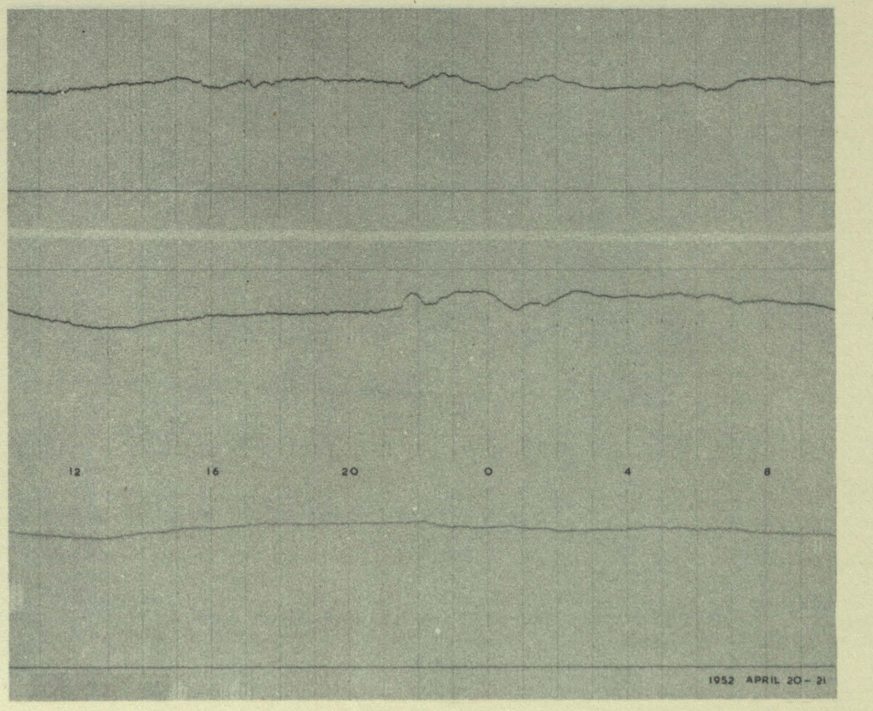
4
8
1952 APRIL 19-20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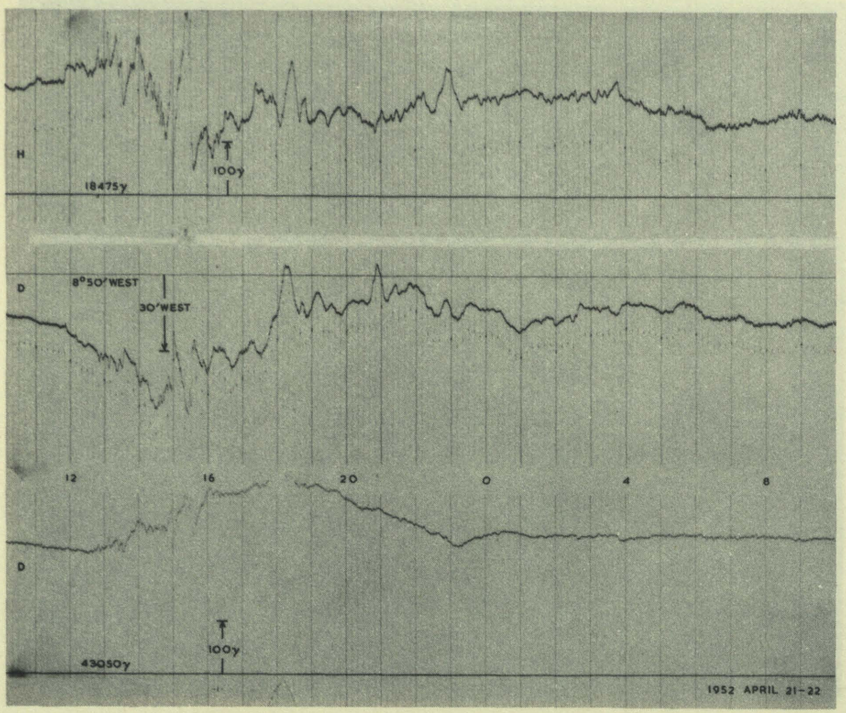
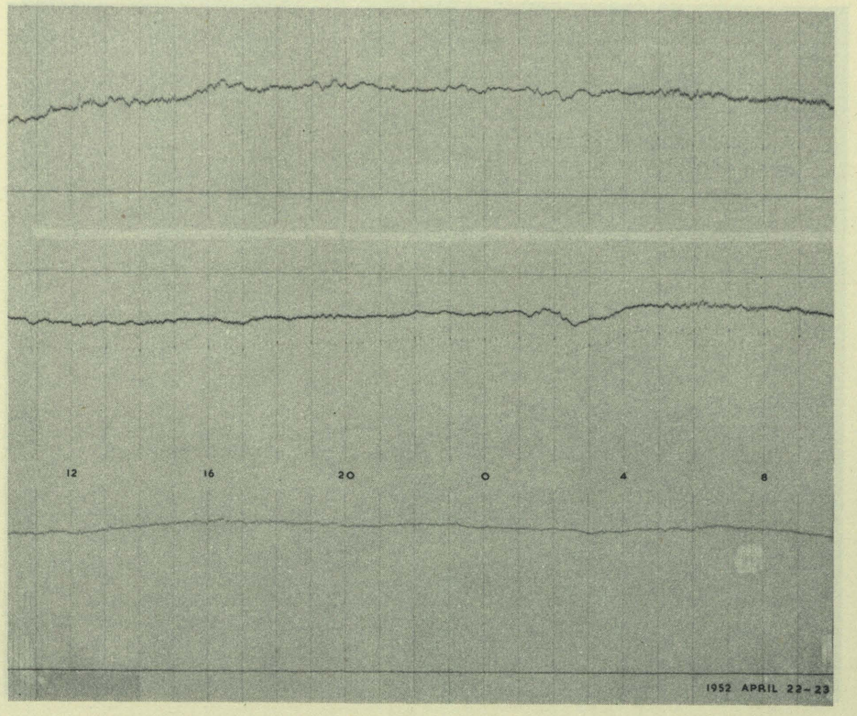
1952 APRIL 20-21


H
18475y
100y
D
8°50'WEST
30'WEST
12
16
20
0
4
8
D
100y
43050y
1952 APRIL 21-22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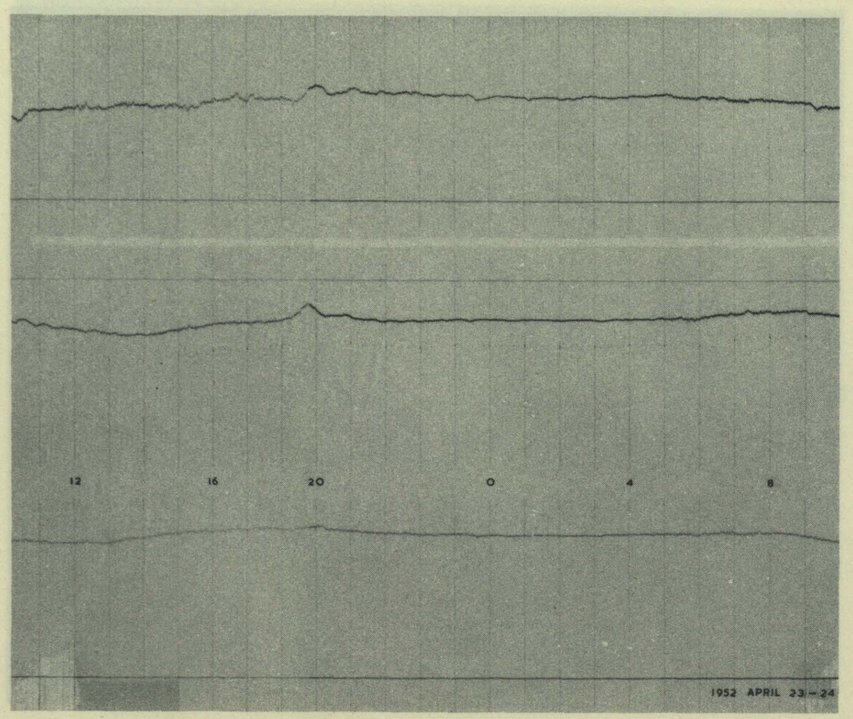
1952 APRIL 22-23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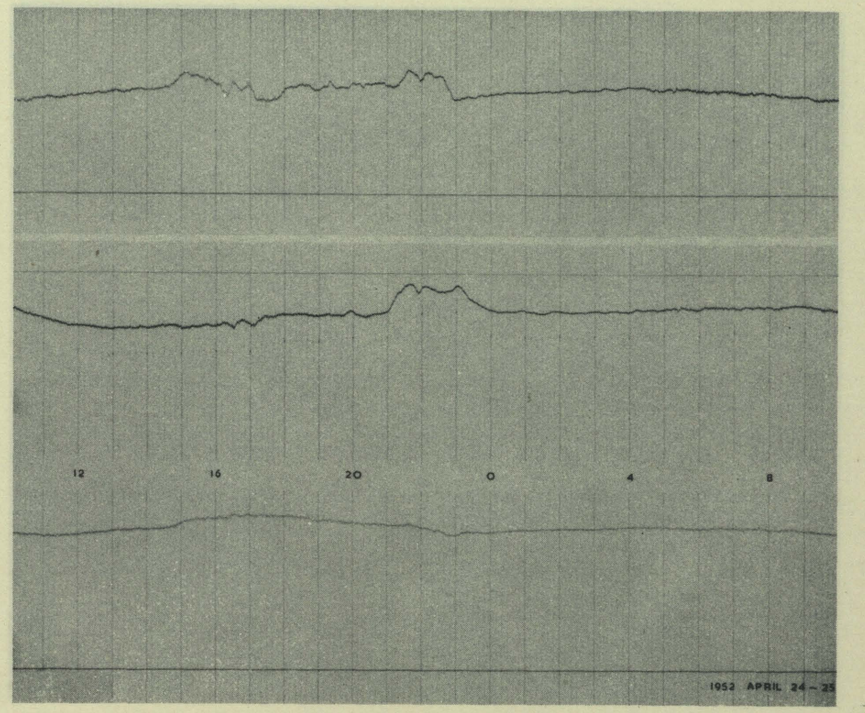
1952 APRIL 23-24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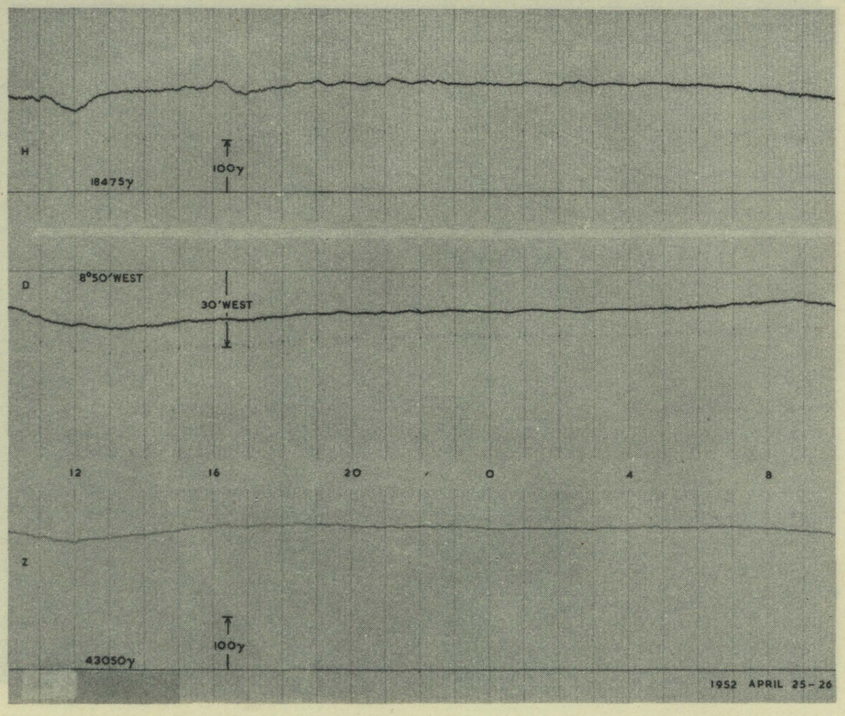
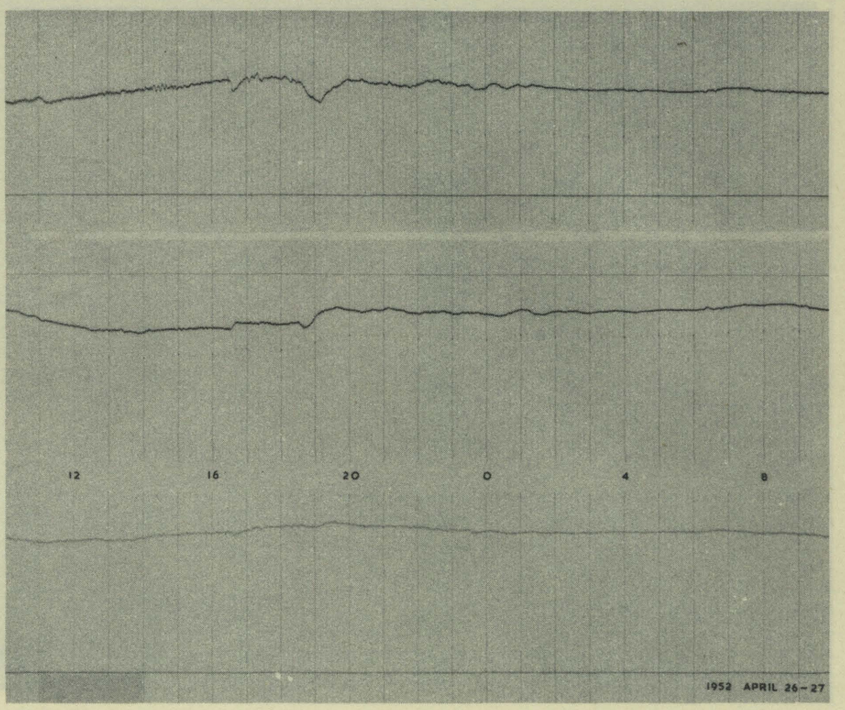
4
8
1952 APRIL 24-25


H
18475γ
100γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 APRIL 25-26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4
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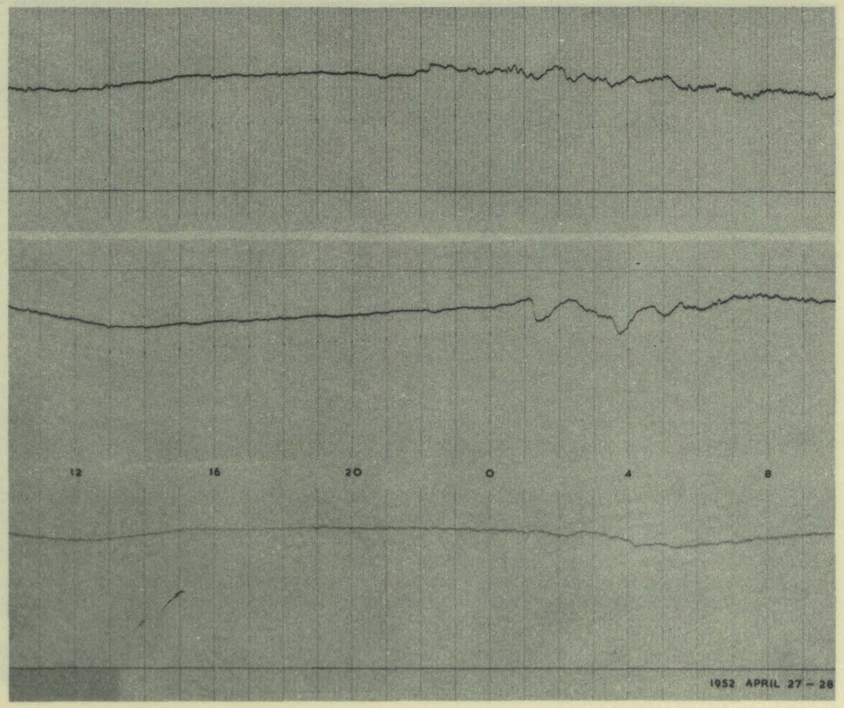
1952 APRIL 26-27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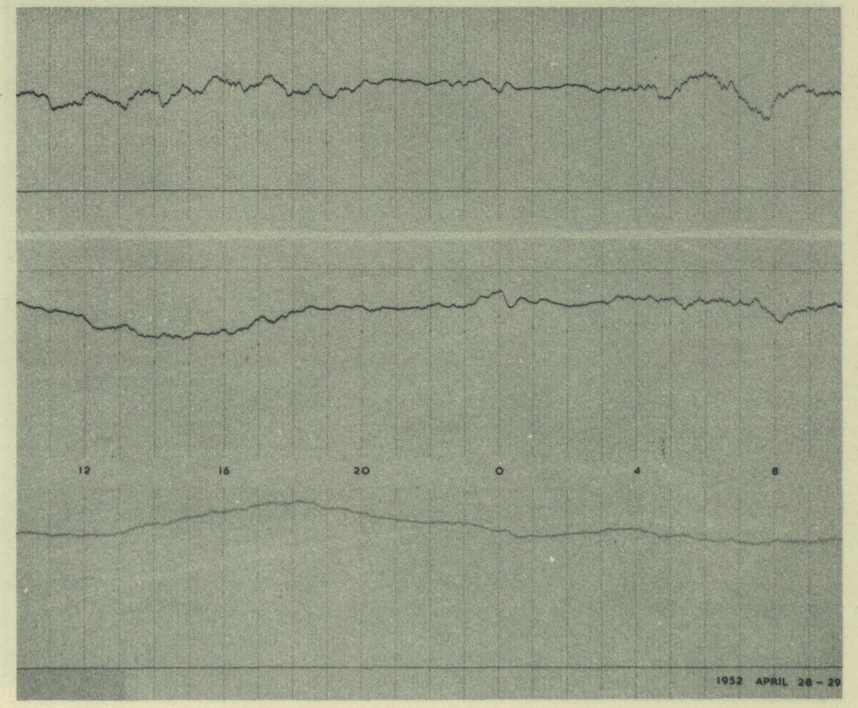
1952 APRIL 27-28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4
8
1952 APRIL 28-29

1952 APRIL 30-MAY 1
H
18475γ
100γ
D
6°50' WEST
30' WEST
Z
43050γ
100γ
0
4
8
12
16
20

1952 MAY 2-3
0
4
8
12
16
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1952 APRIL 29-30
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12
16
20

1952 MAY 1-2
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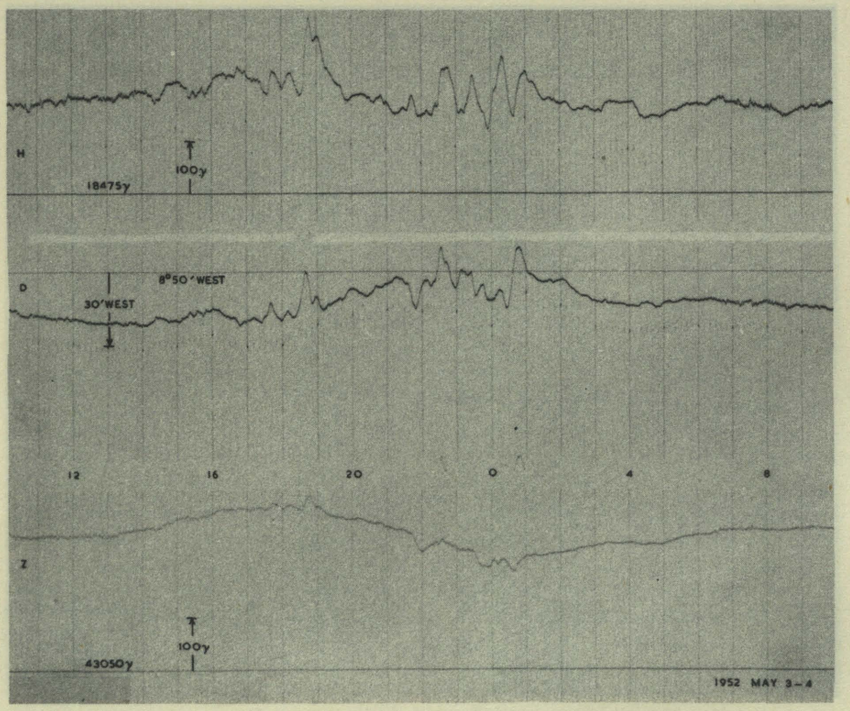
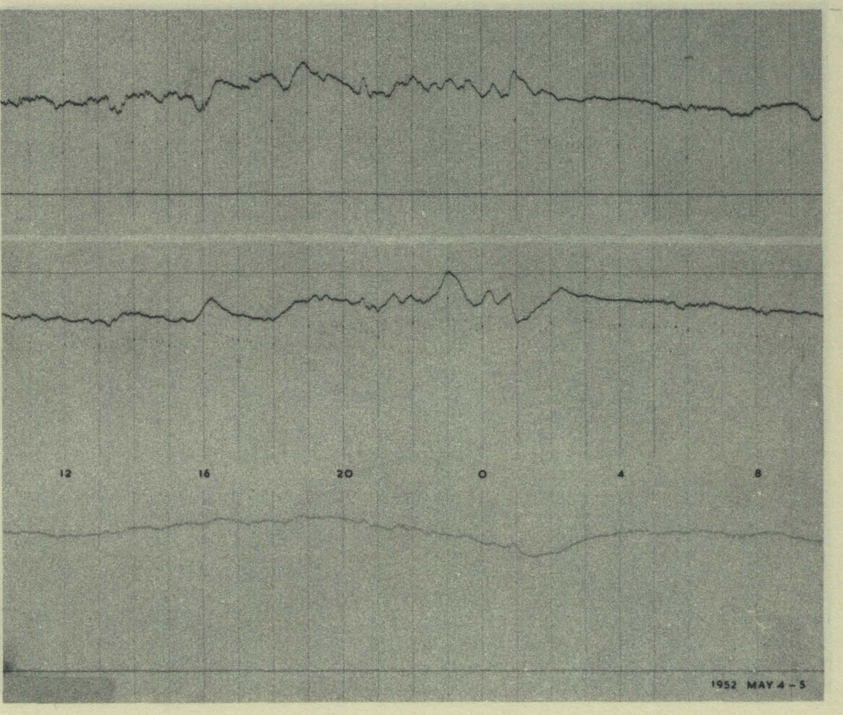
12
16
20


H
100γ
18475γ
D
8°50' WEST
30' WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 MAY 3 – 4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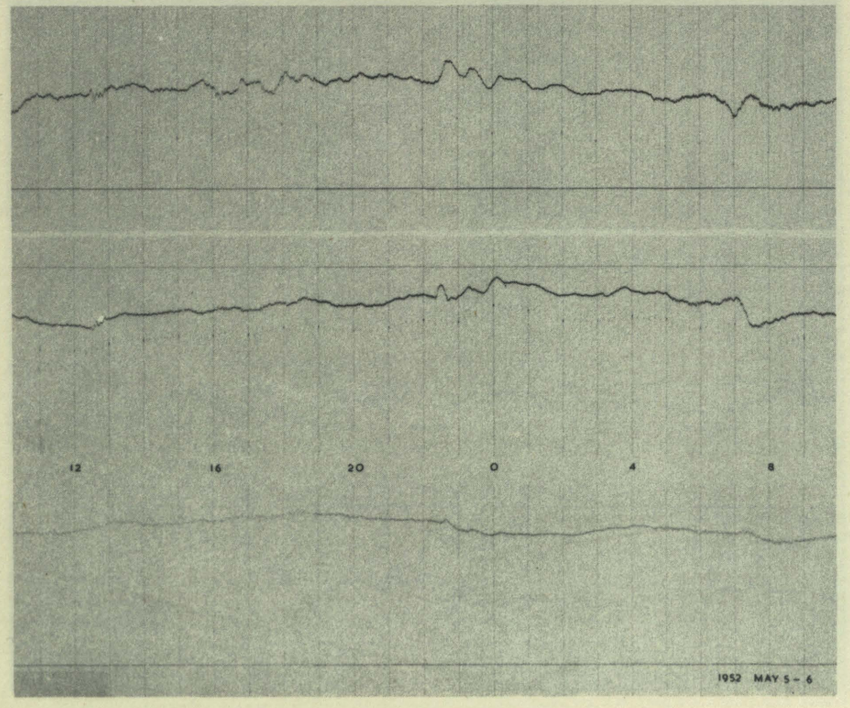
8
1952 MAY 4 – 5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4
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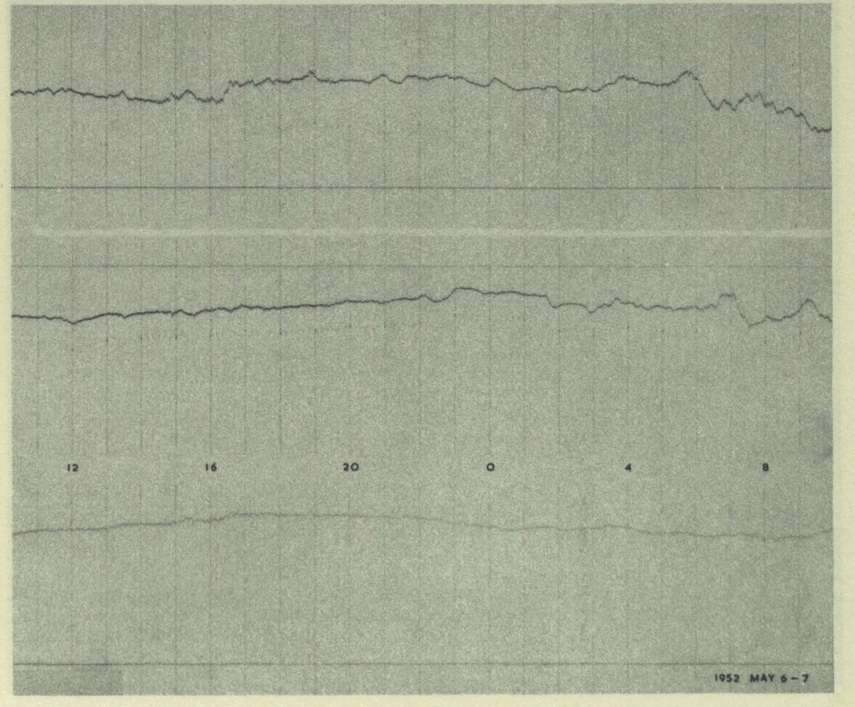
1952 MAY 5 – 6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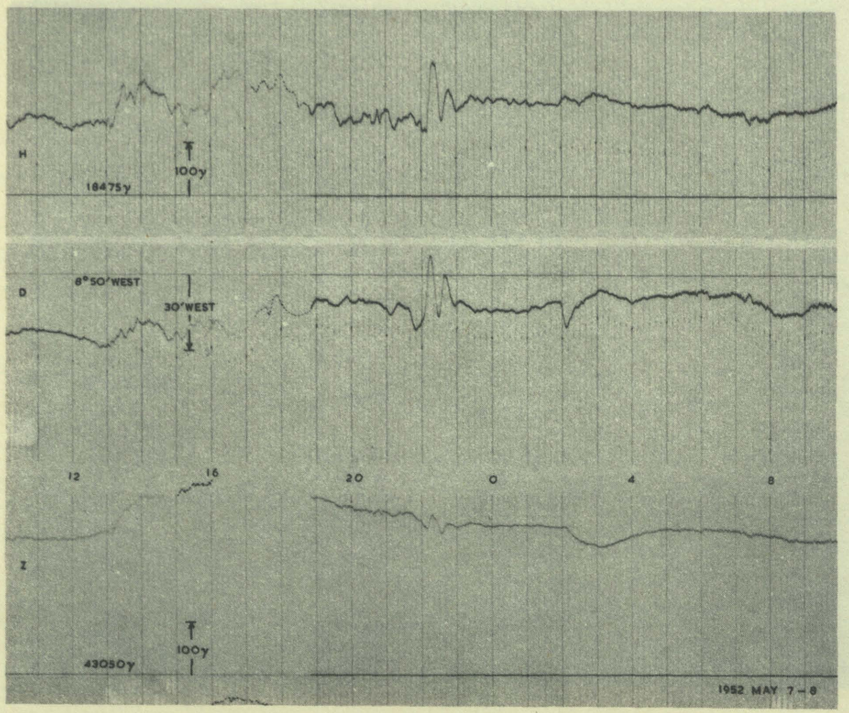
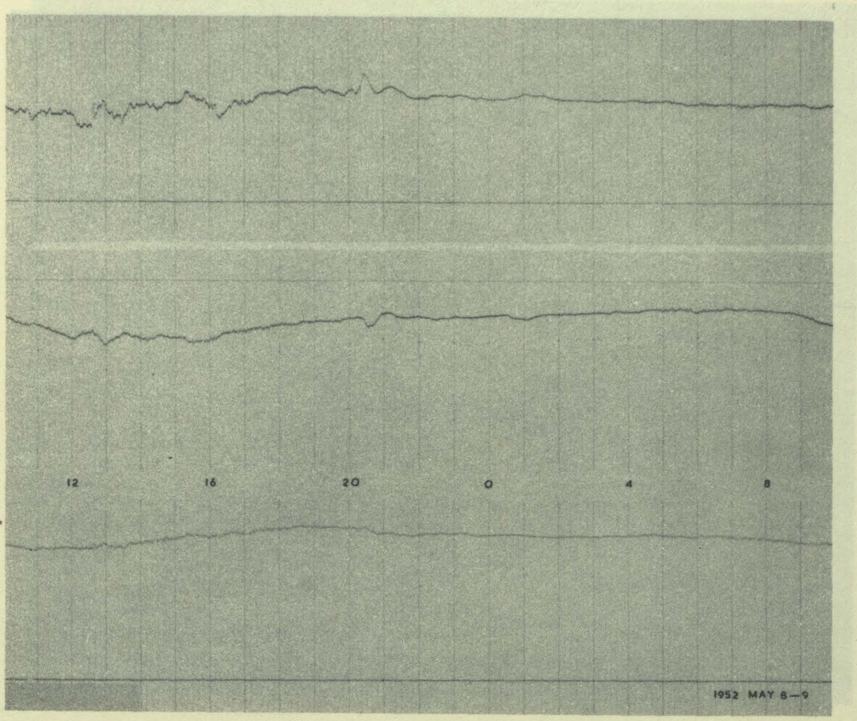
16
20
0
4
8
1952 MAY 6 – 7


H
18475γ
100γ
D
8°50' WEST
30' WEST
12
16
20
0
4
8
Z
43050γ
100γ
1952 MAY 7–8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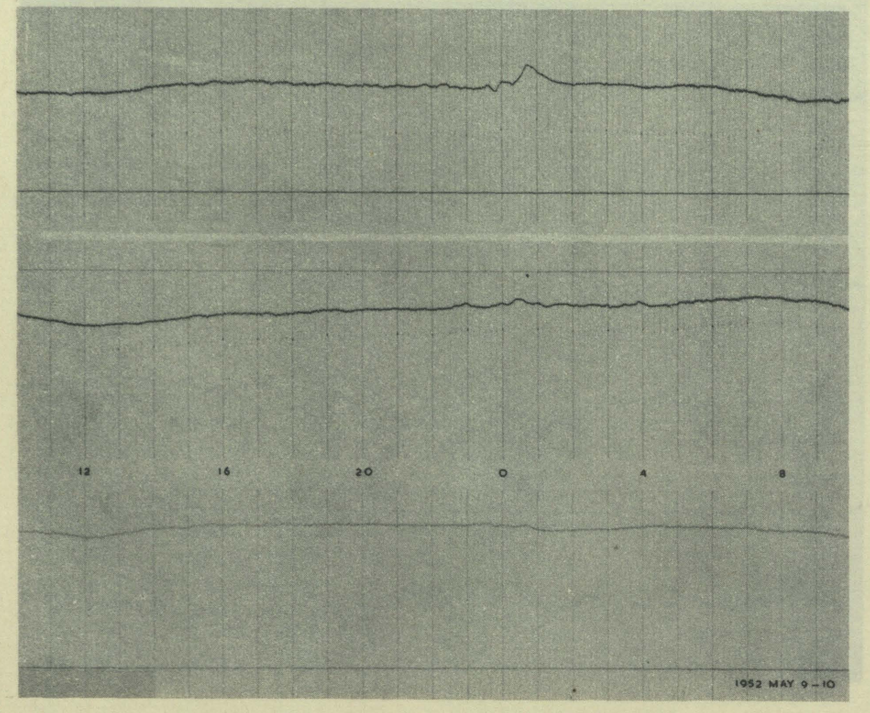
0
4
8
1952 MAY 8–9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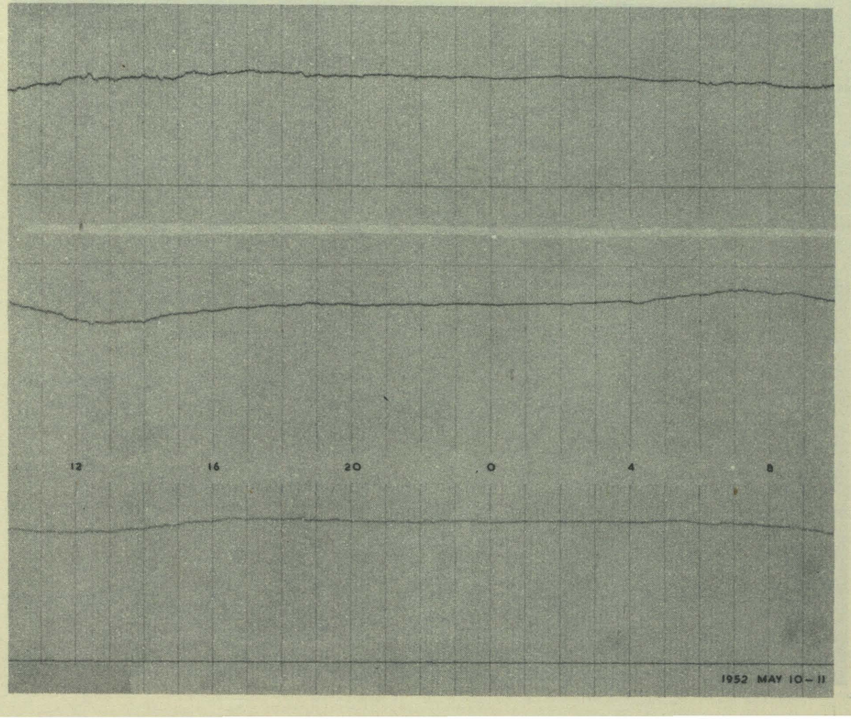
4
8
1952 MAY 9–10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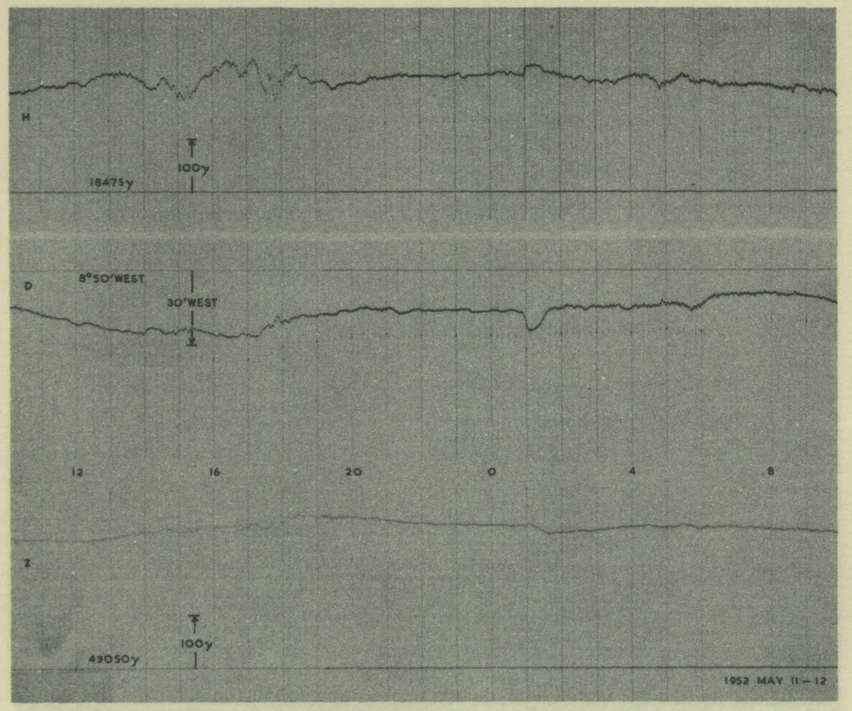
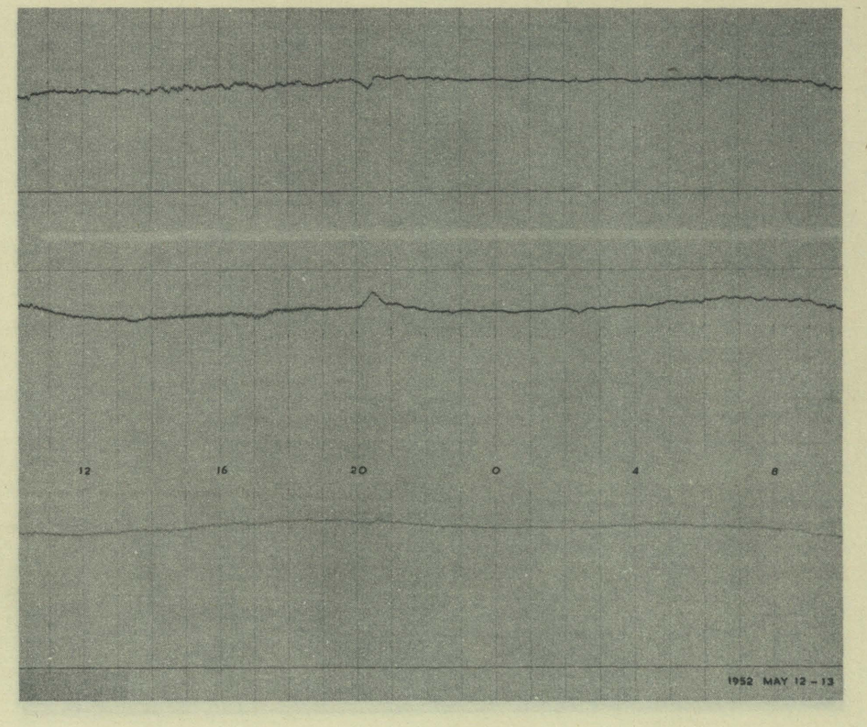
0
4
8
1952 MAY 10–11


H
100γ
18475γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 MAY 11 – 12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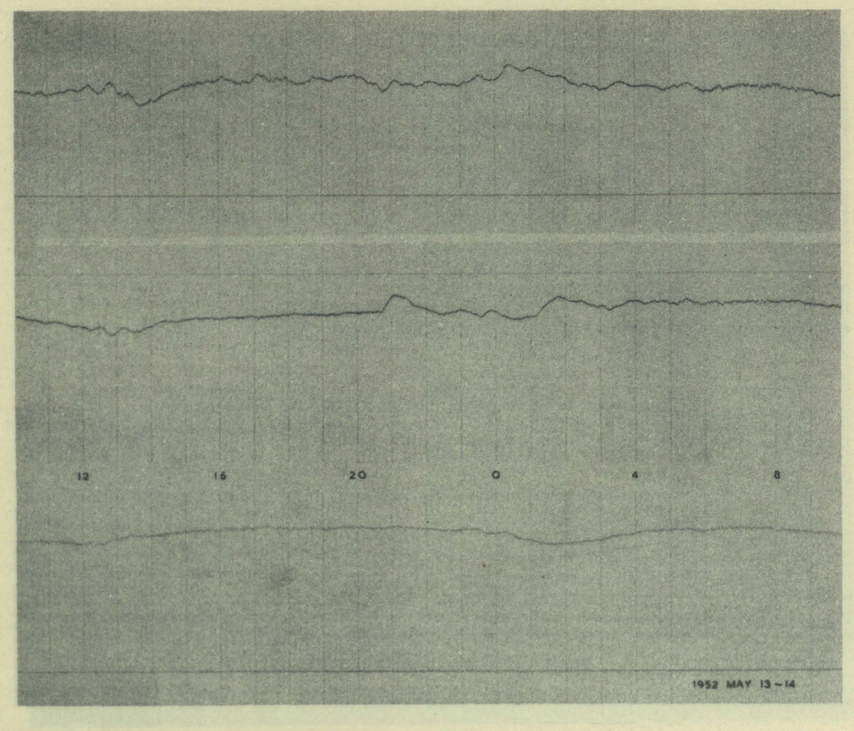
1952 MAY 12 – 13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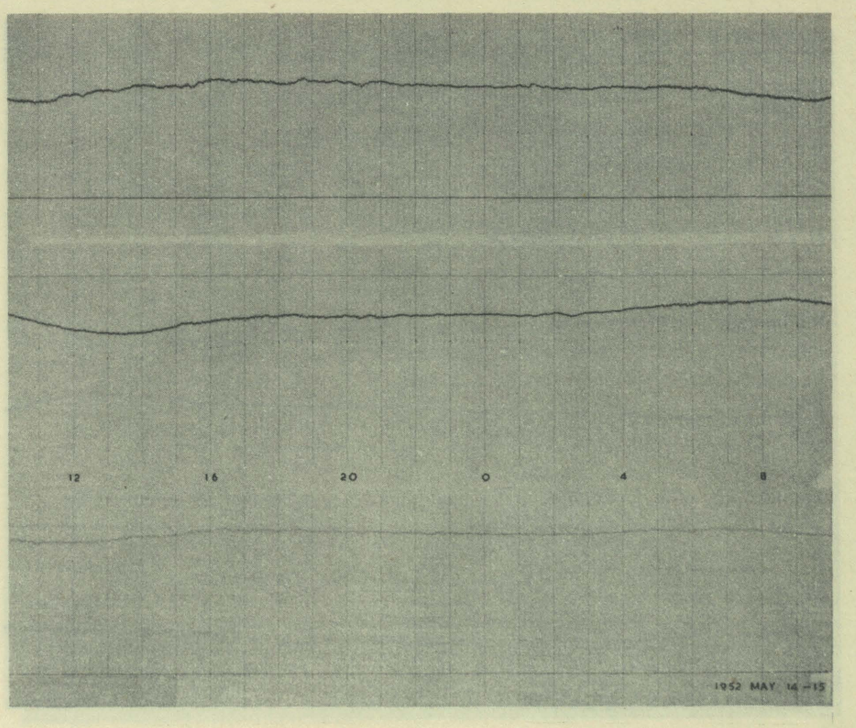
1952 MAY 13 – 14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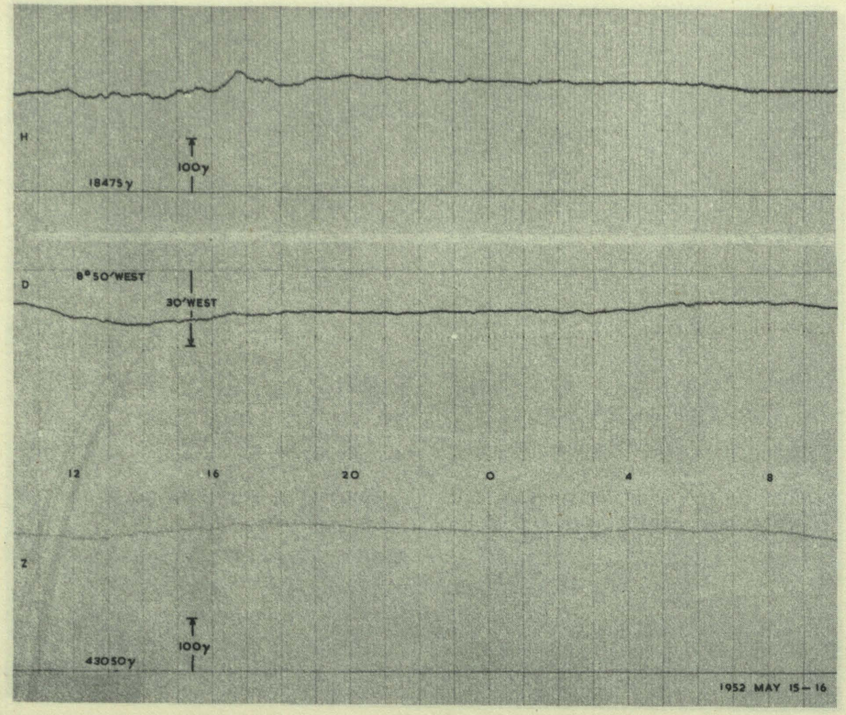
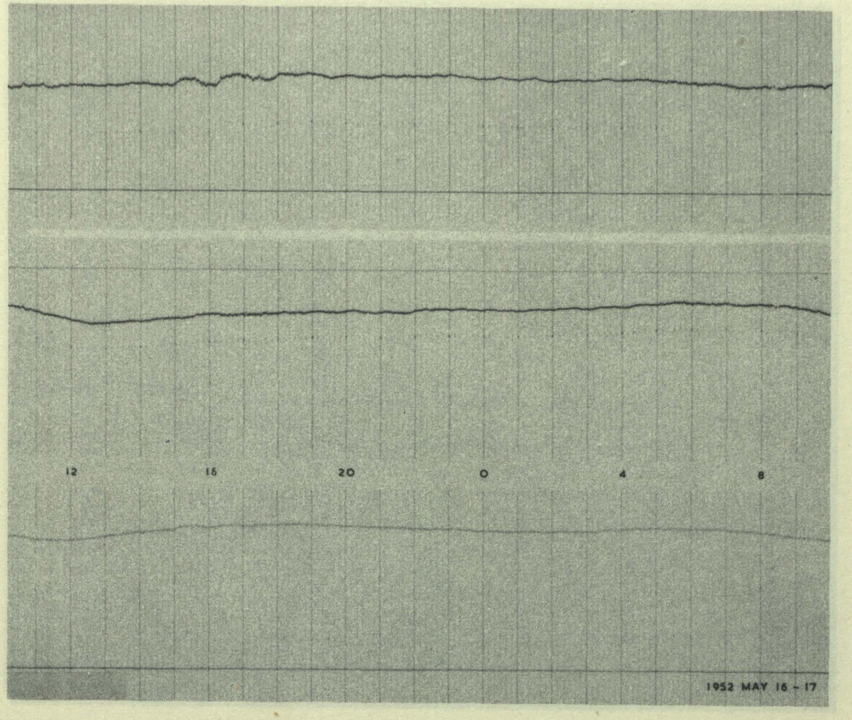
1952 MAY 14 – 15


H
100γ
18475γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 MAY 15 – 16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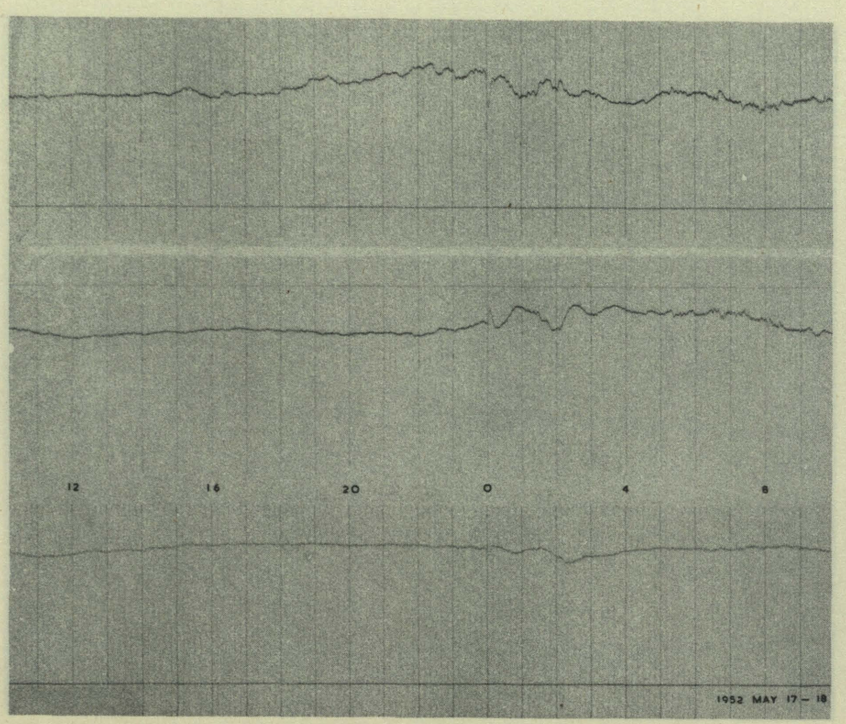
1952 MAY 16 – 17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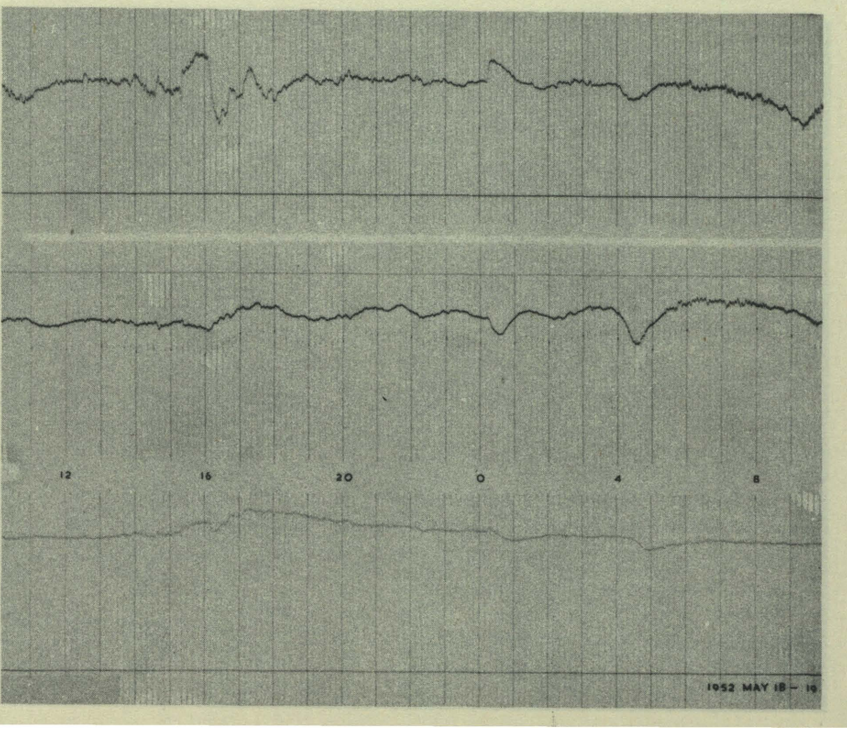
1952 MAY 17 – 18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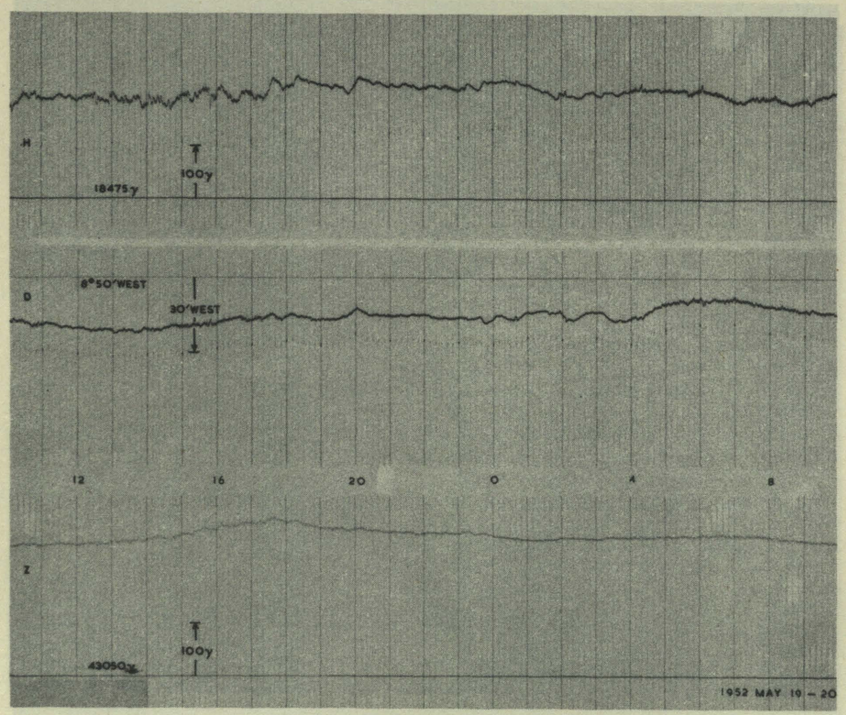
1952 MAY 18 – 19


H
18475γ
100γ
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8°50'WEST
30'WEST
12
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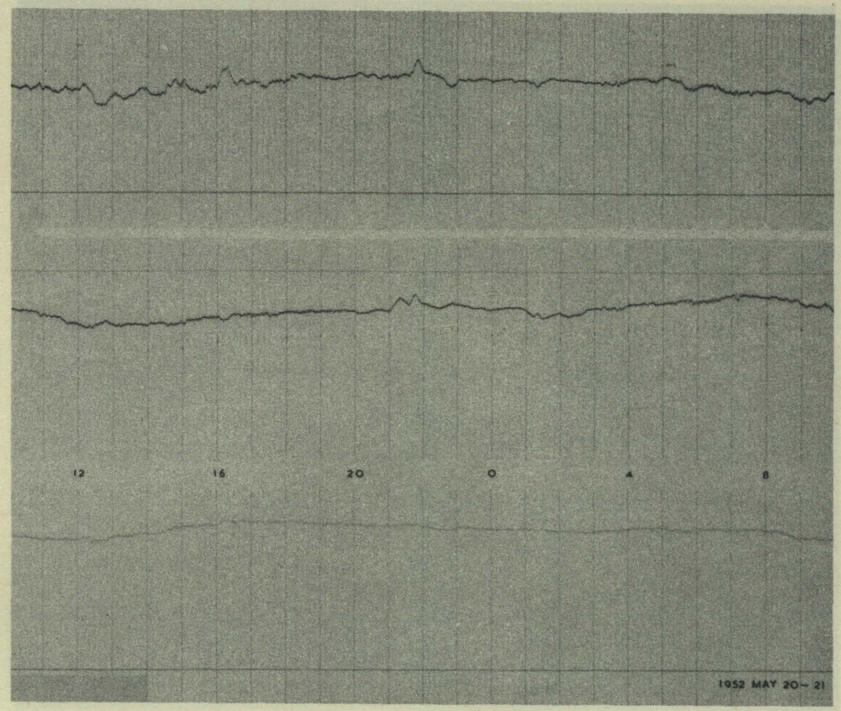
Z
43050γ
100γ
1952 MAY 19 – 20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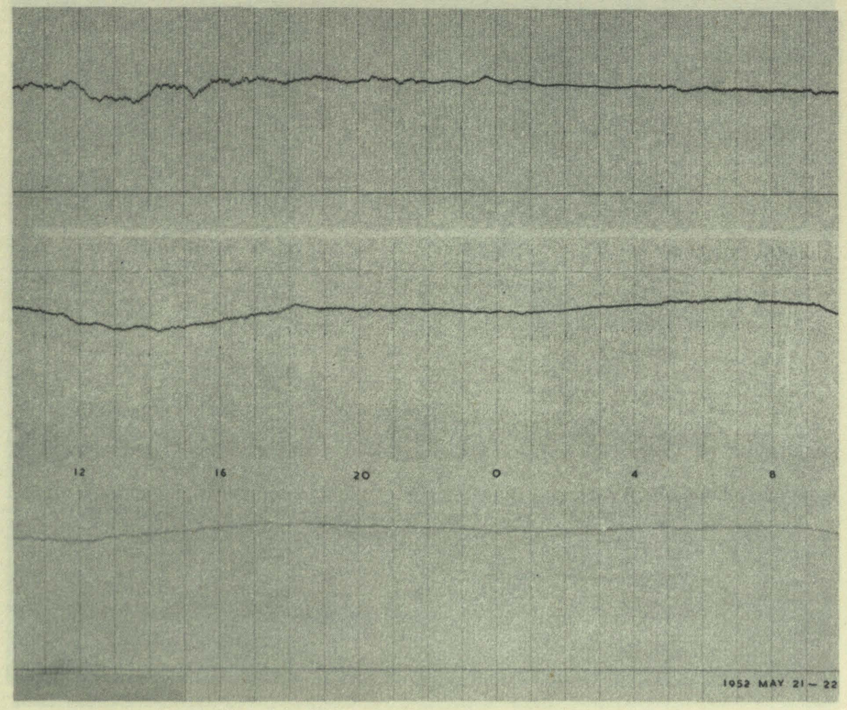
1952 MAY 20 – 21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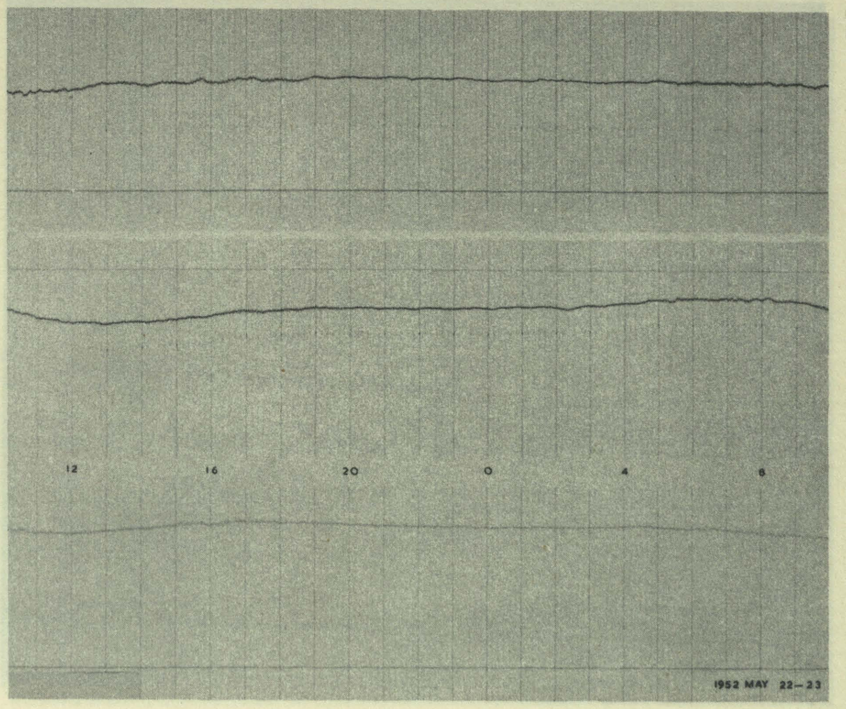
1952 MAY 21 – 22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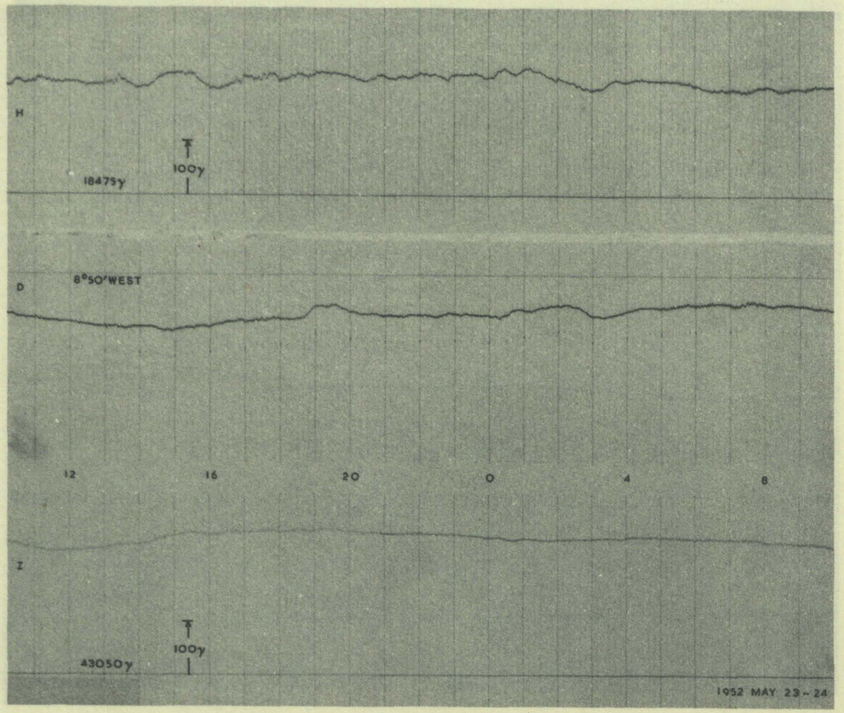
1952 MAY 22 – 23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18475γ
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D
8°50'WEST
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4
8
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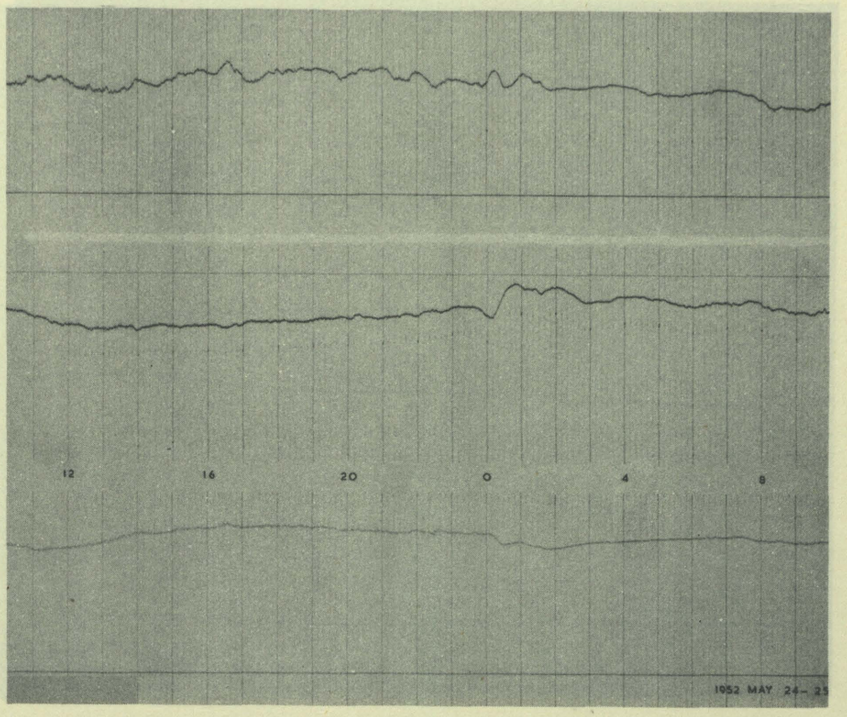
43050γ
100γ
1952 MAY 23-24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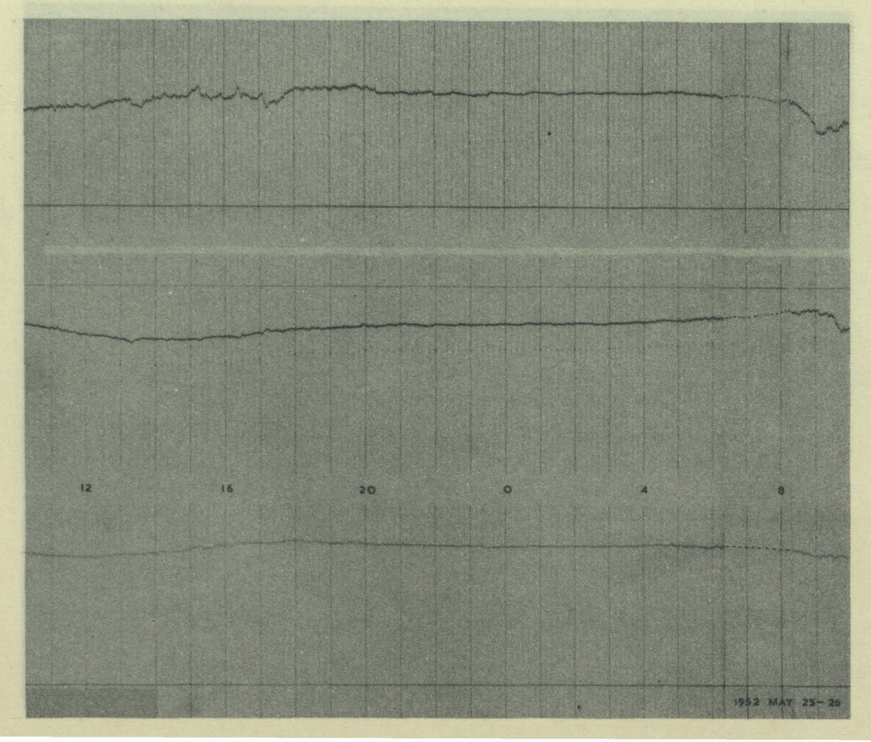
1952 MAY 24-25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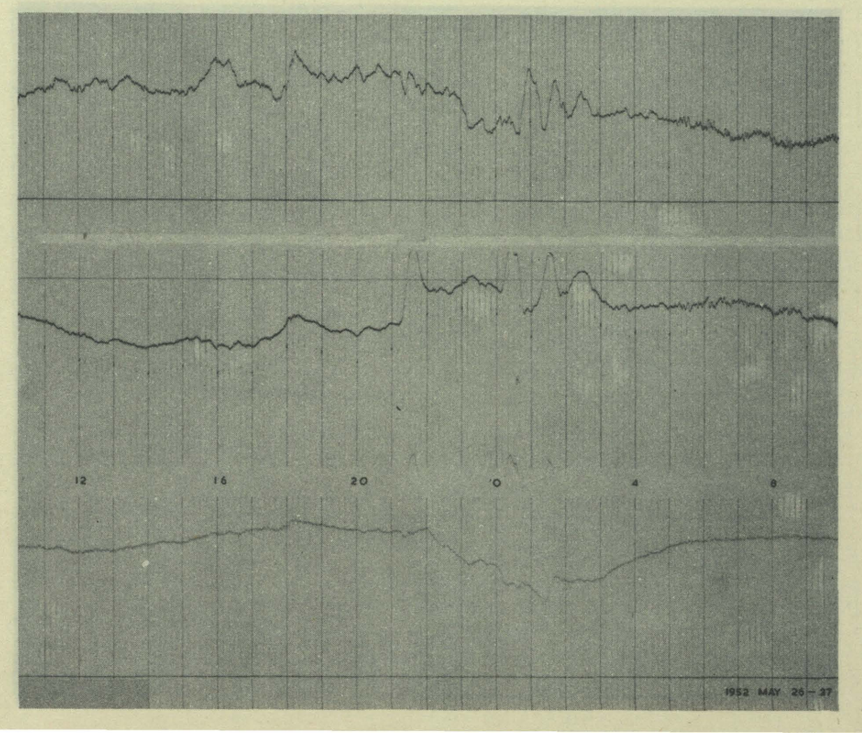
1952 MAY 25-26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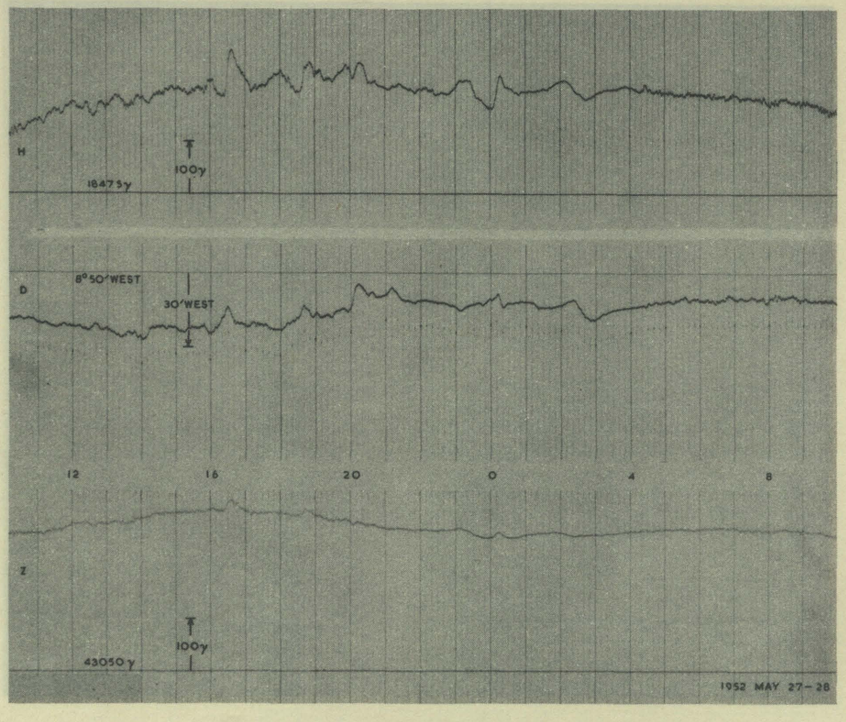
1952 MAY 26-27


H
18475γ
100γ
D
8°50'WEST
30'WEST
12
16
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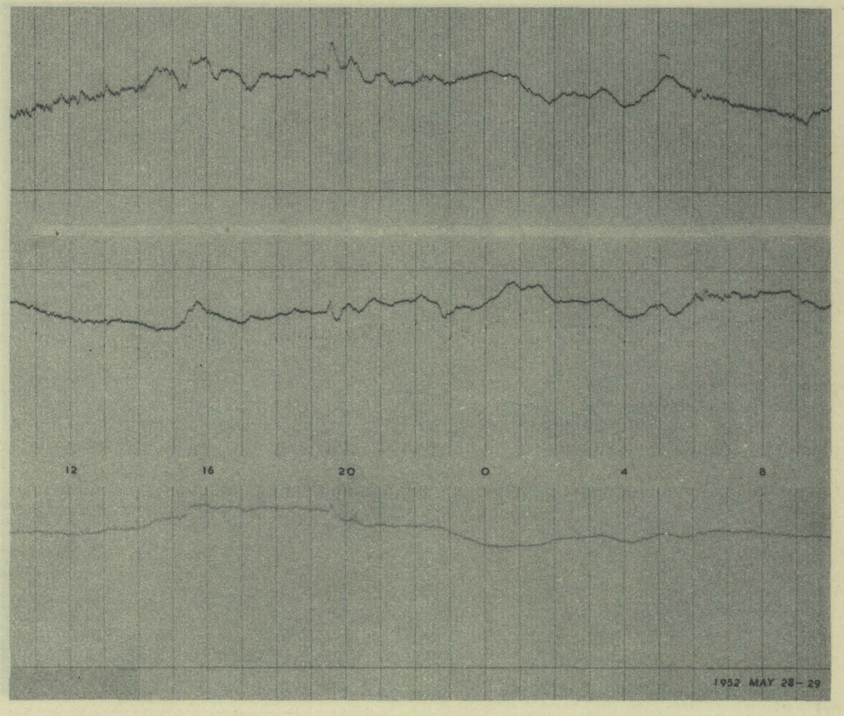
4
8
Z
43050γ
100γ
1952 MAY 27–28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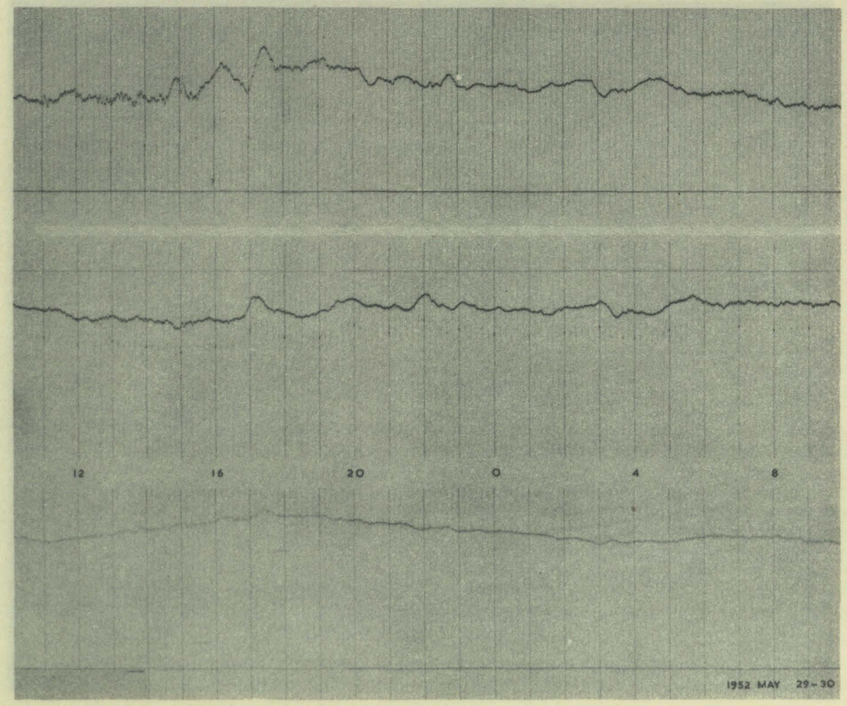
1952 MAY 28–29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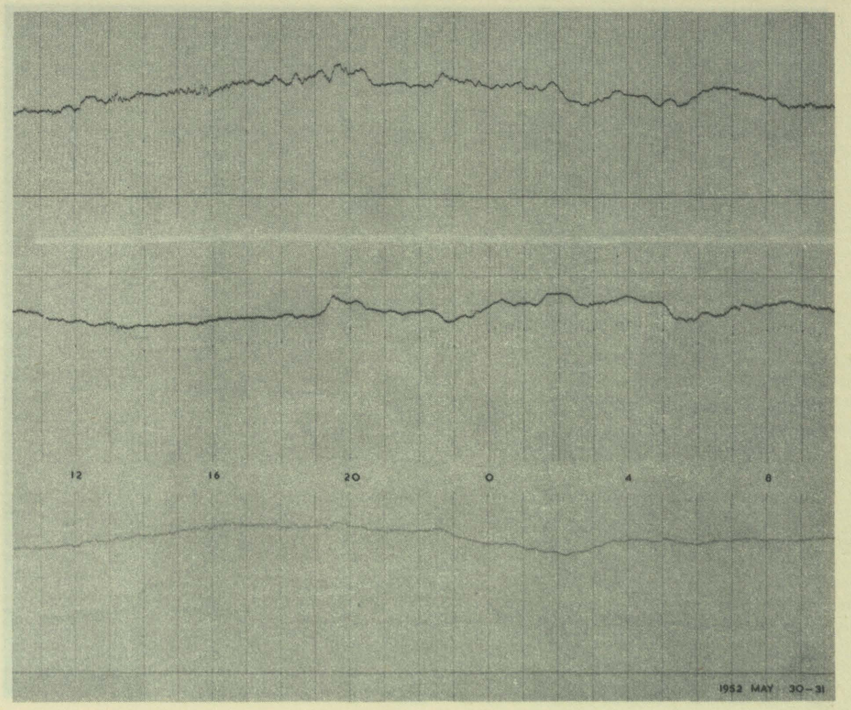
1952 MAY 29–30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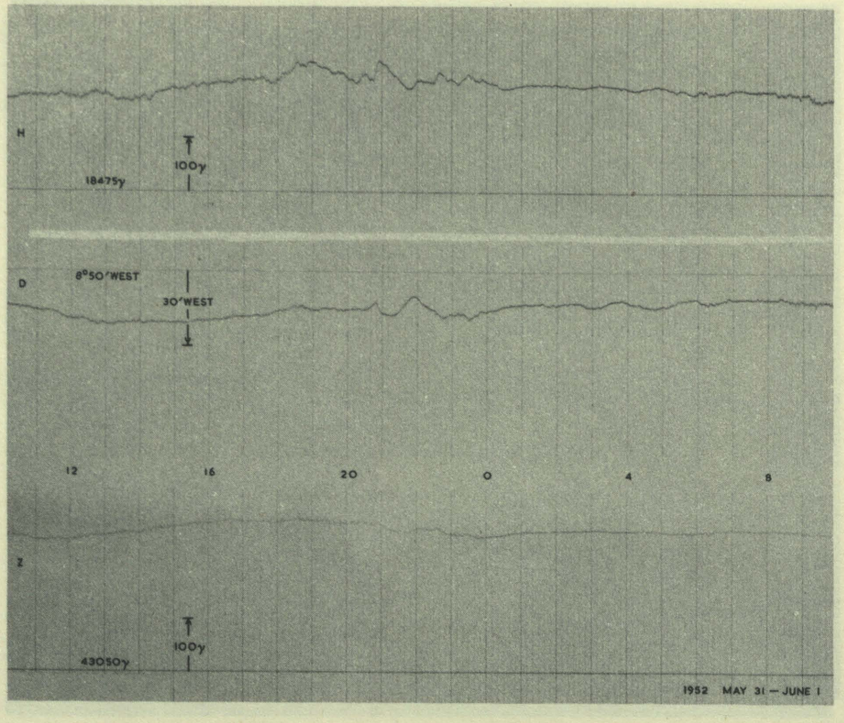
1952 MAY 30–31


H
18475γ
100γ
D
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30'WEST
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16
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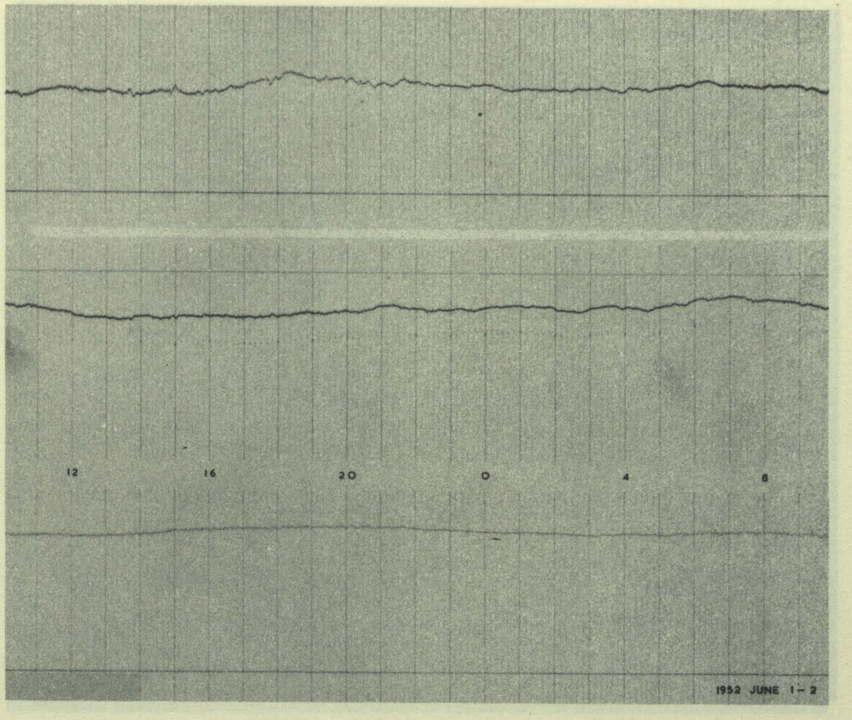
43050γ
100γ
1952 MAY 31 — JUNE 1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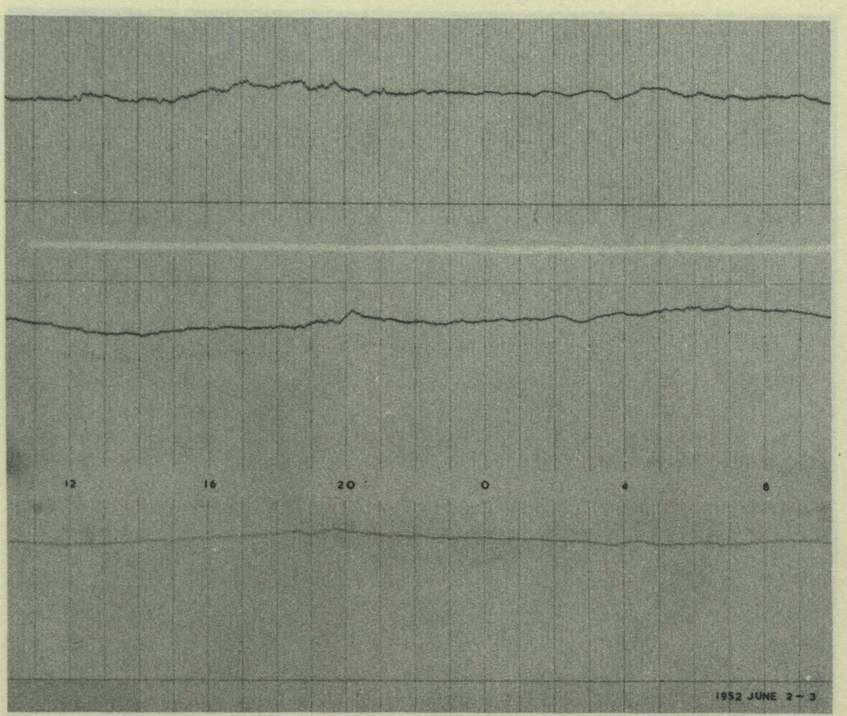
1952 JUNE 1 — 2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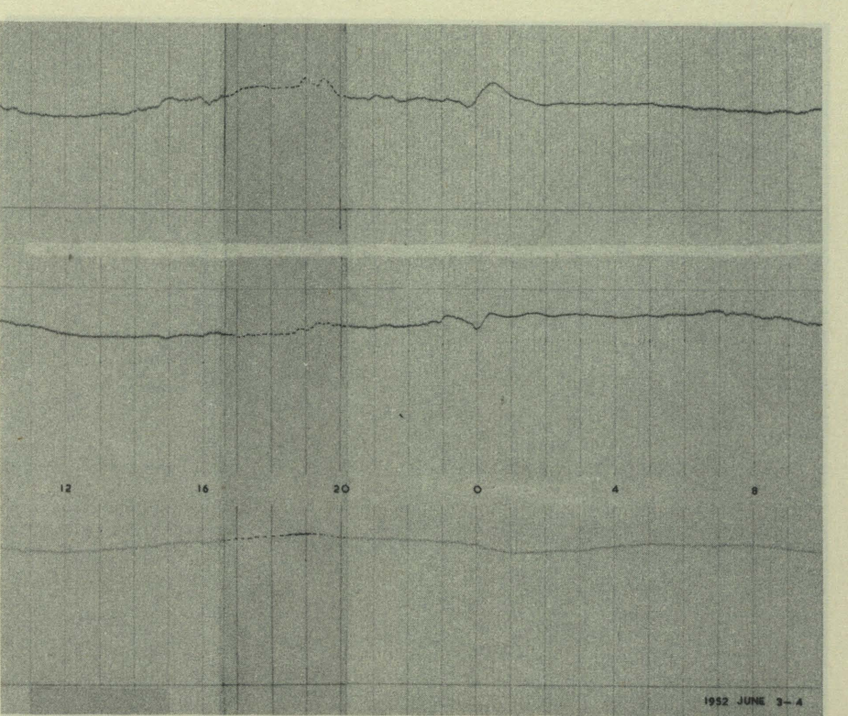
1952 JUNE 2 — 3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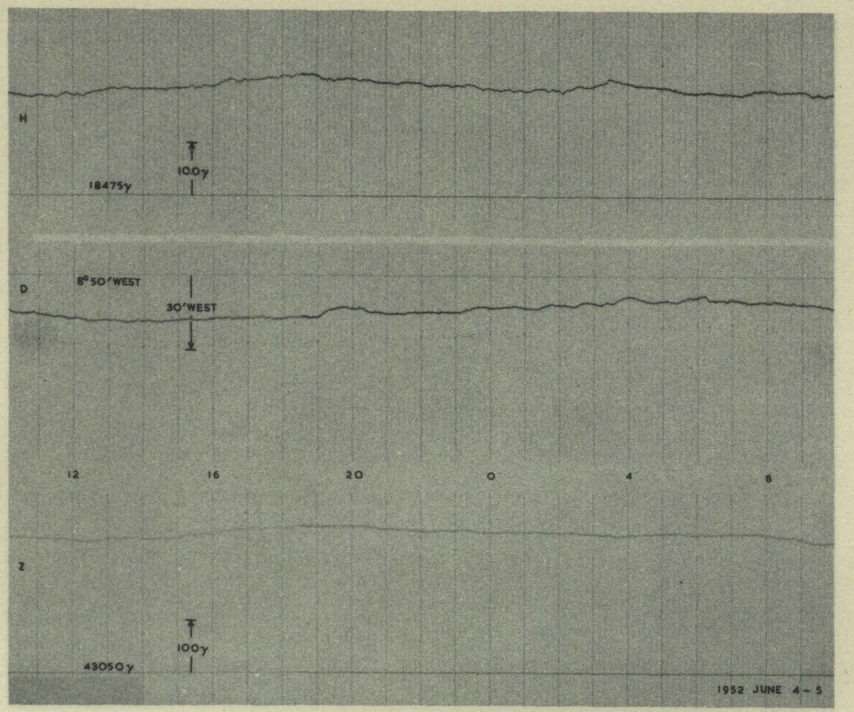
1952 JUNE 3 — 4


H
18475γ
100γ
D
8°50'WEST
30'WEST
12
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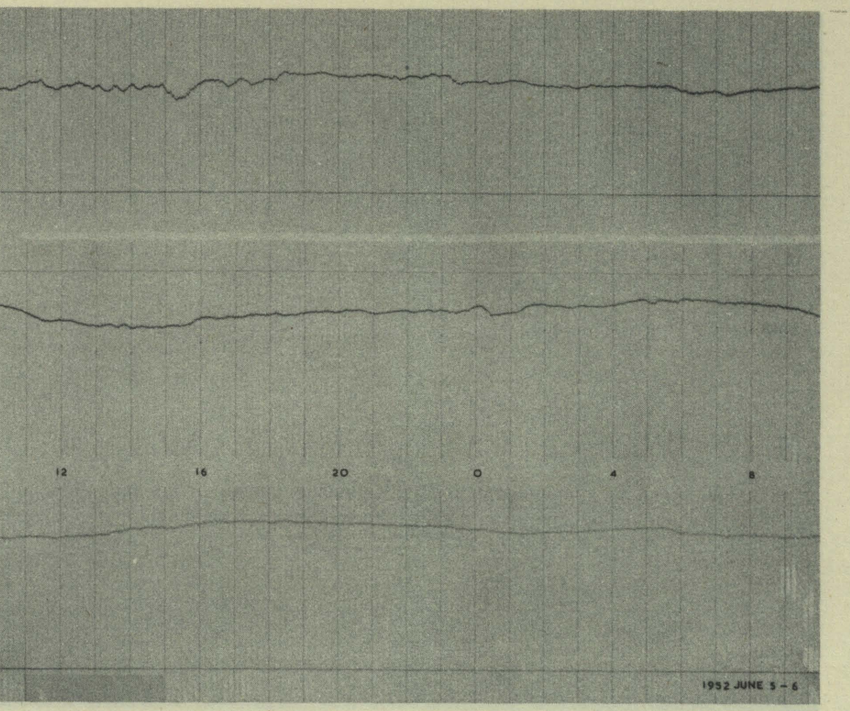
43050γ
100γ
1952 JUNE 4 – 5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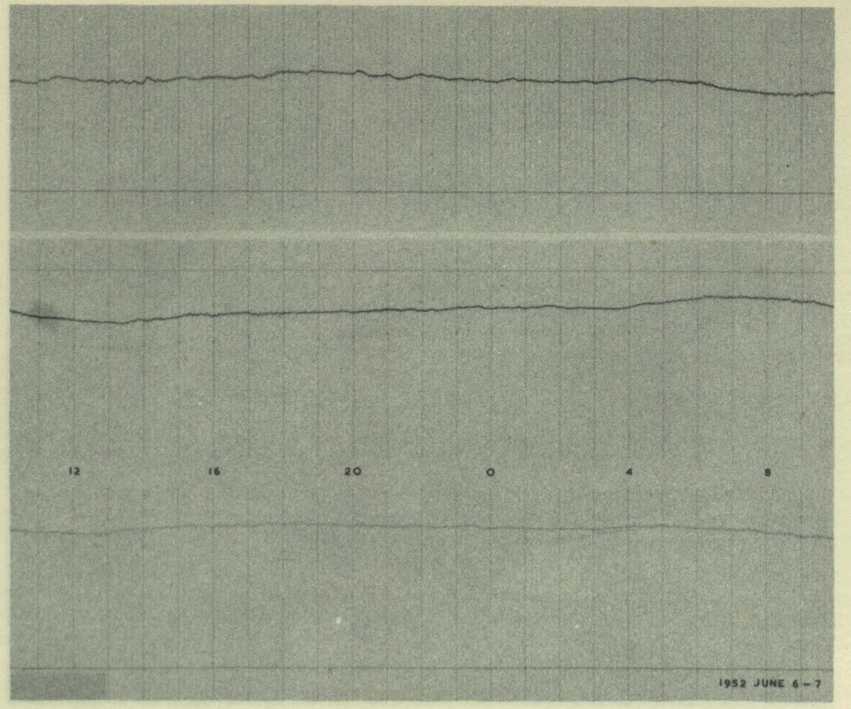
1952 JUNE 5 – 6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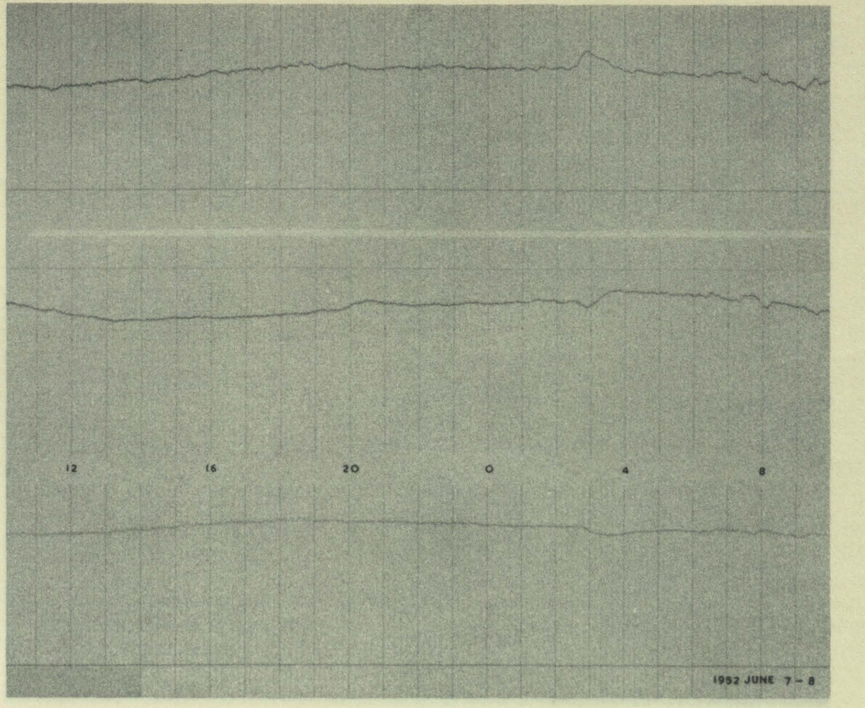
1952 JUNE 6 – 7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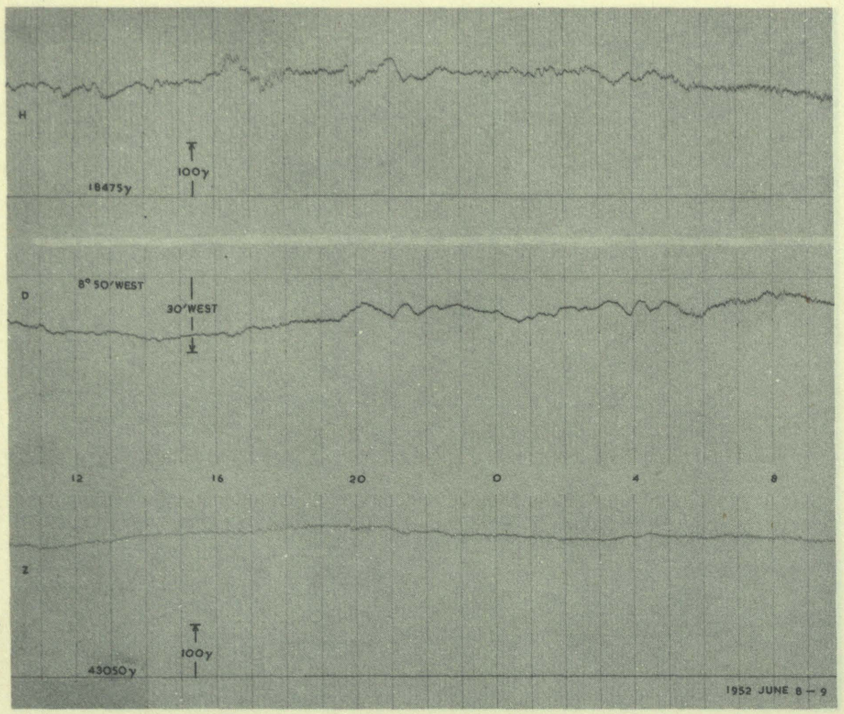
1952 JUNE 7 – 8


H
100γ
18475γ
D
8° 50′ WEST
30′ WEST
12
16
20
0
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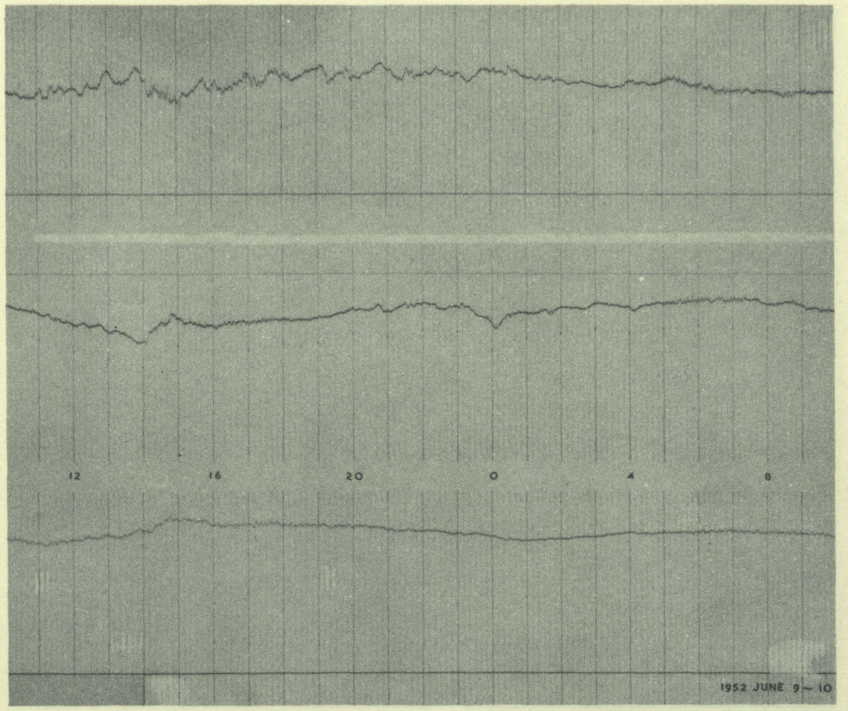
8
Z
100γ
43050γ
1952 JUNE 8 — 9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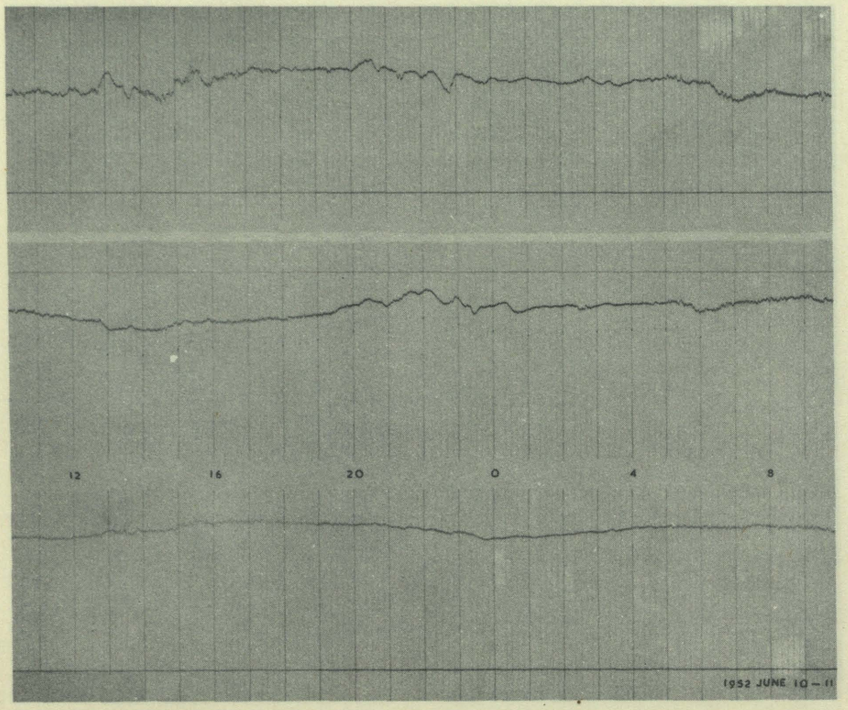
1952 JUNE 9 — 10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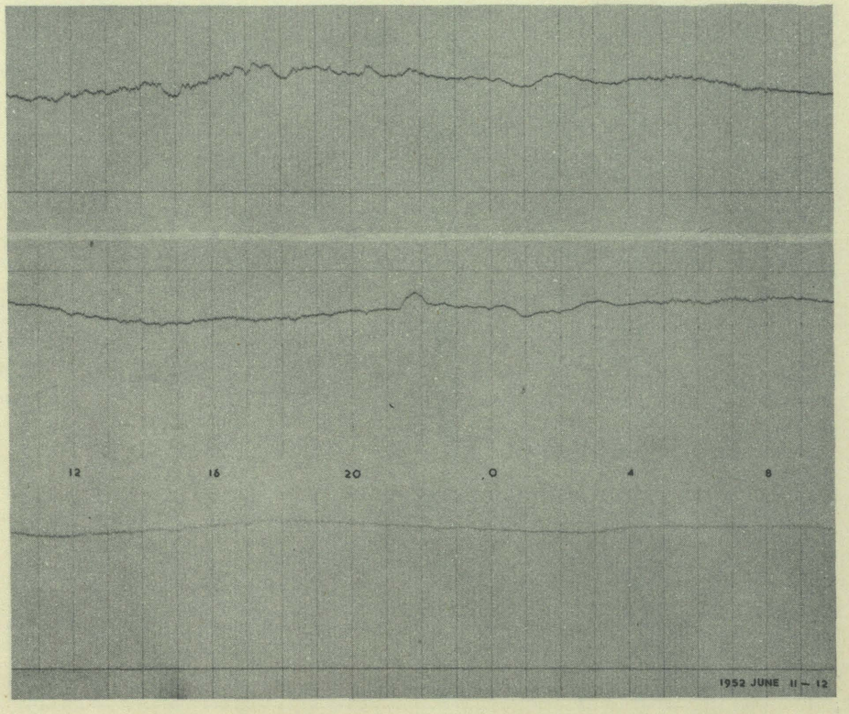
1952 JUNE 10 — 11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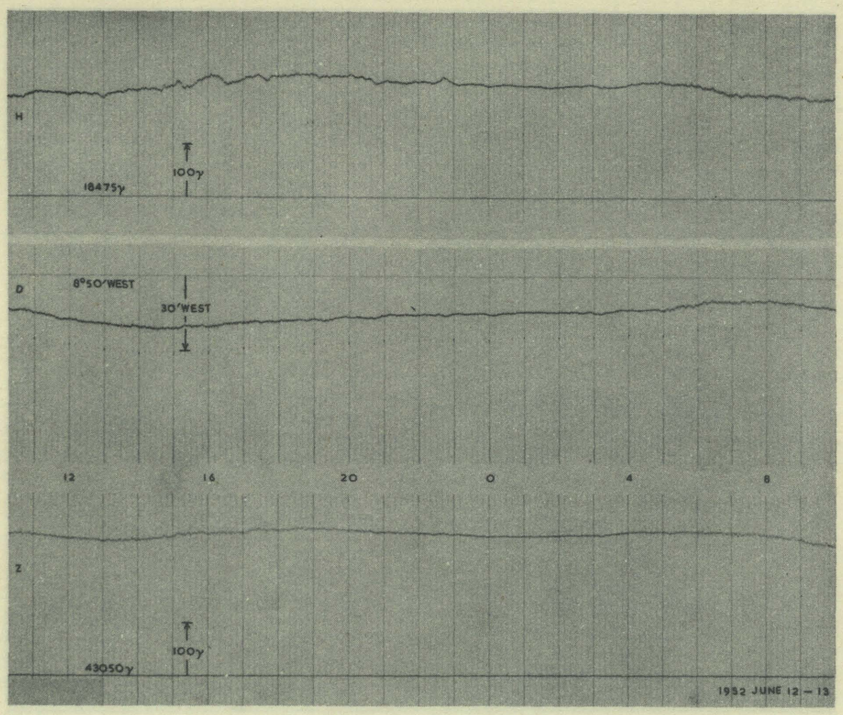
1952 JUNE 11 — 12


H
100γ
18475γ
D
8°50'WEST
30'WEST
12
16
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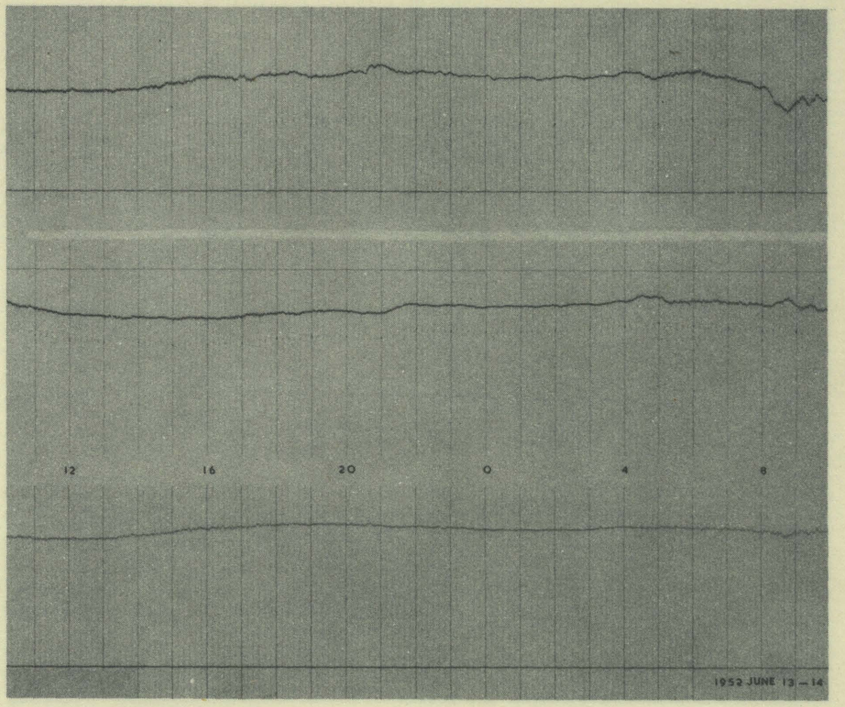
8
Z
100γ
43050γ
1952 JUNE 12 — 13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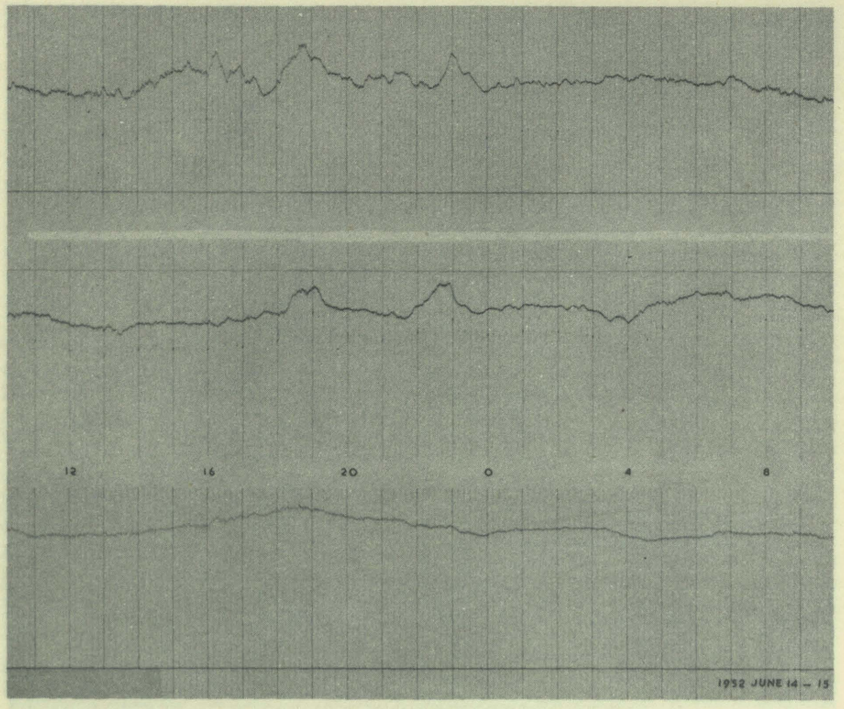
1952 JUNE 13 — 14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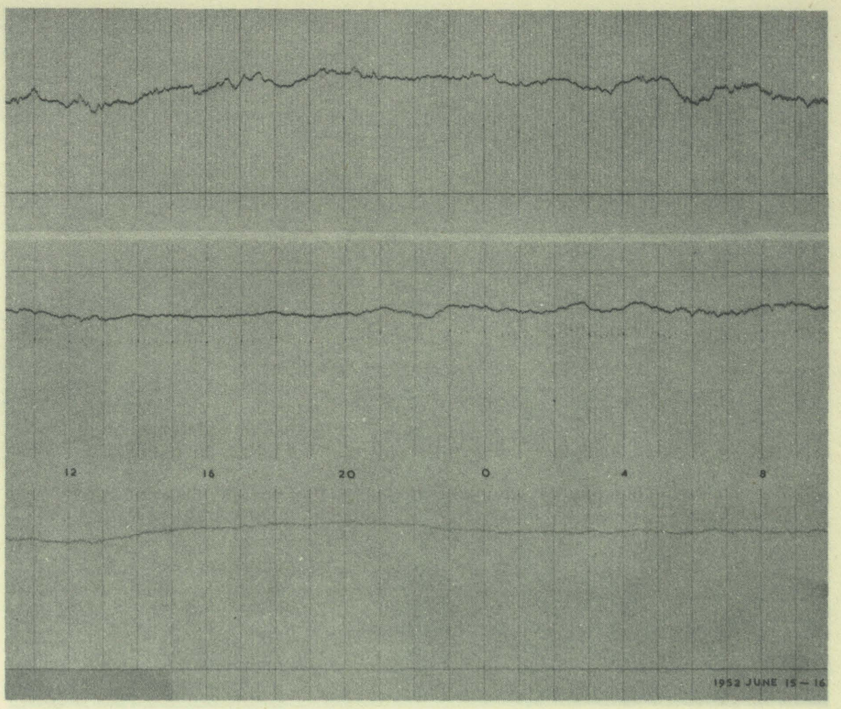
1952 JUNE 14 — 15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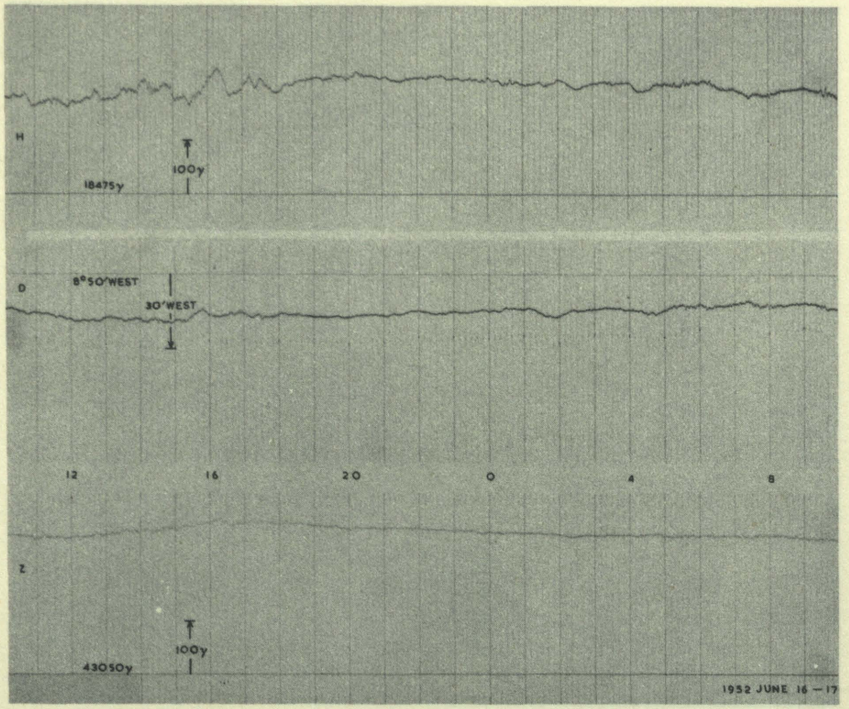
1952 JUNE 15 — 16


H
100γ
18475γ
D
8°50'WEST
30'WEST
12
16
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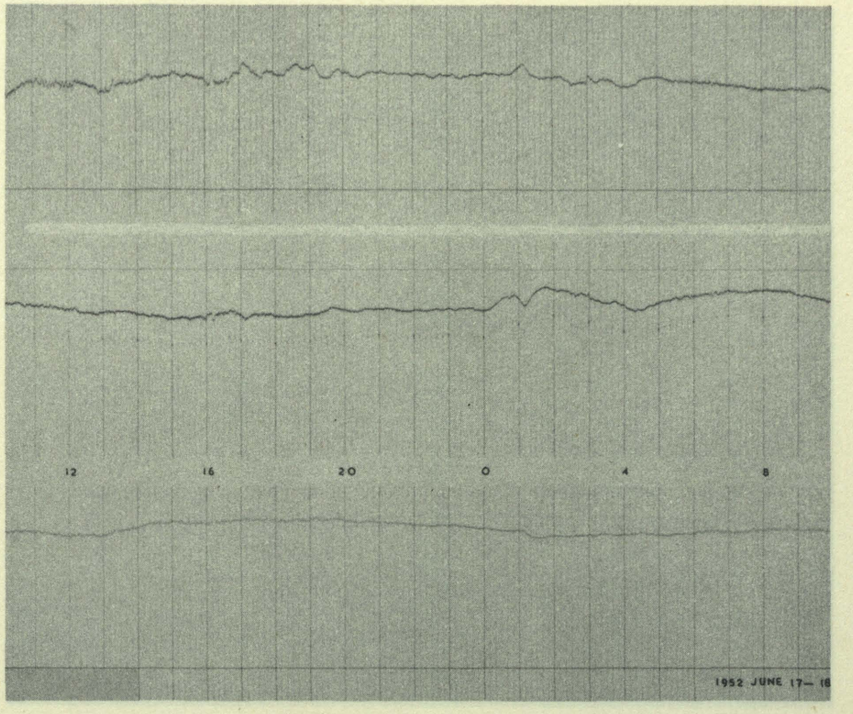
8
Z
100γ
43050γ
1952 JUNE 16 — 17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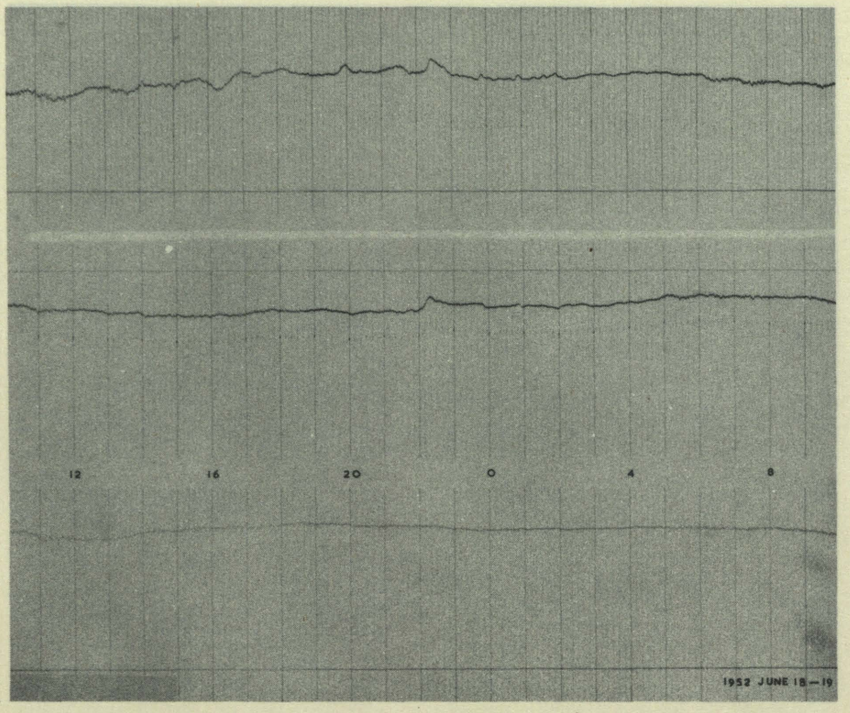
1952 JUNE 17— 18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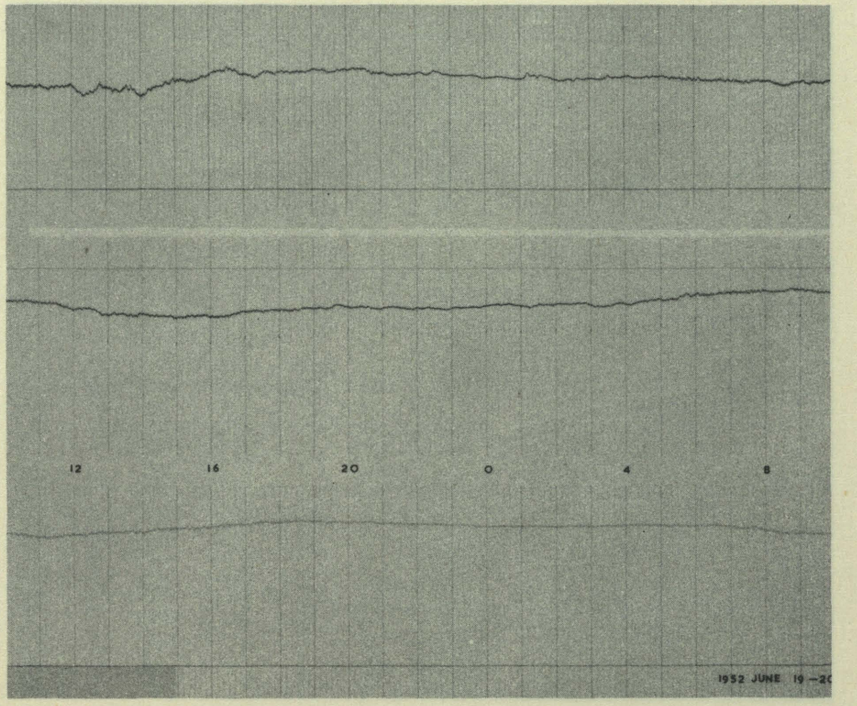
1952 JUNE 18 — 19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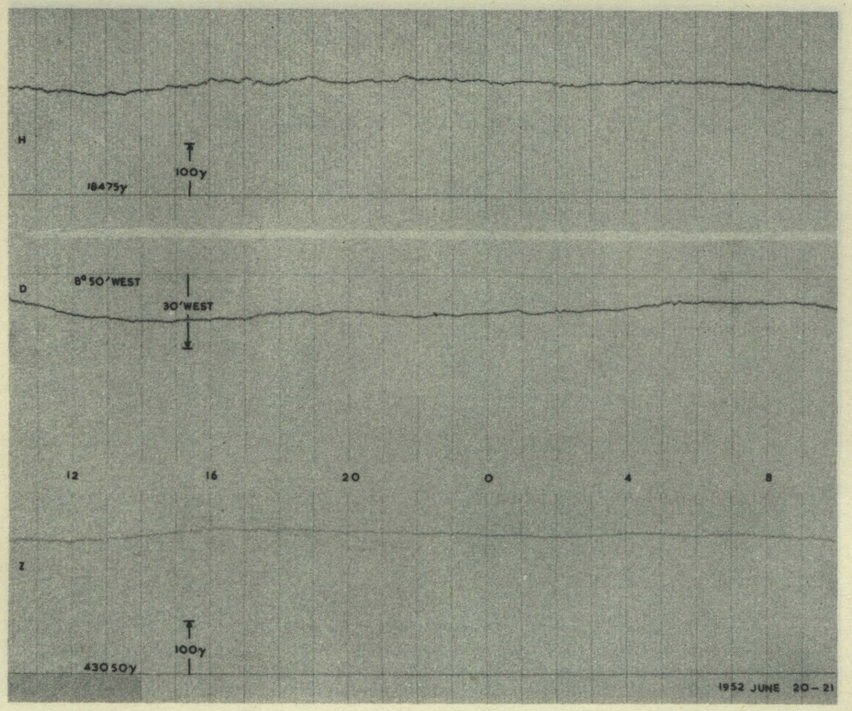
1952 JUNE 19 —20


H
100γ
18475γ
D
8° 50' WEST
30' WEST
12
16
20
0
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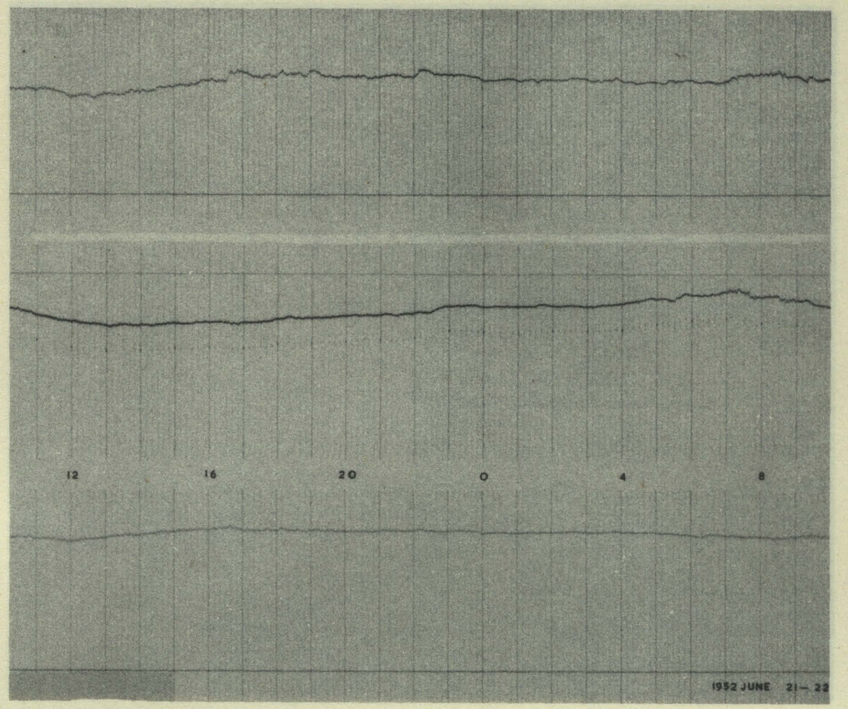
8
Z
100γ
43050γ
1952 JUNE 20–21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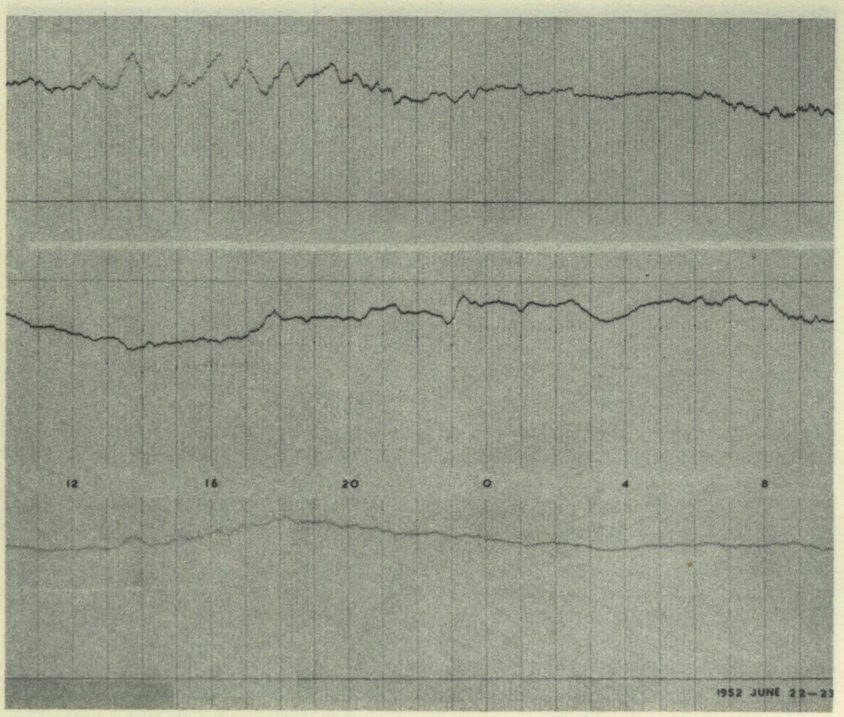
1952 JUNE 21–22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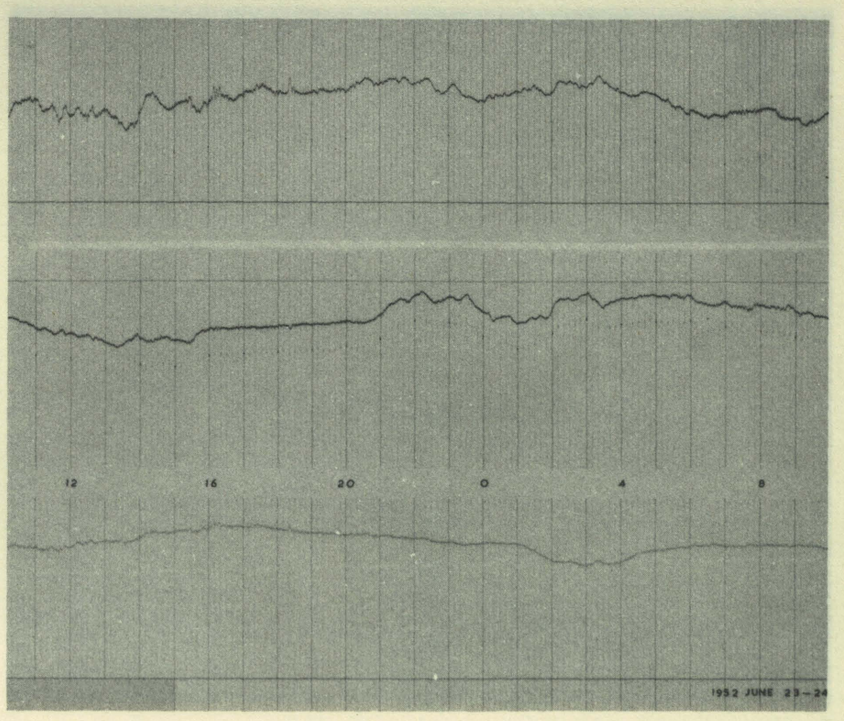
1952 JUNE 22–23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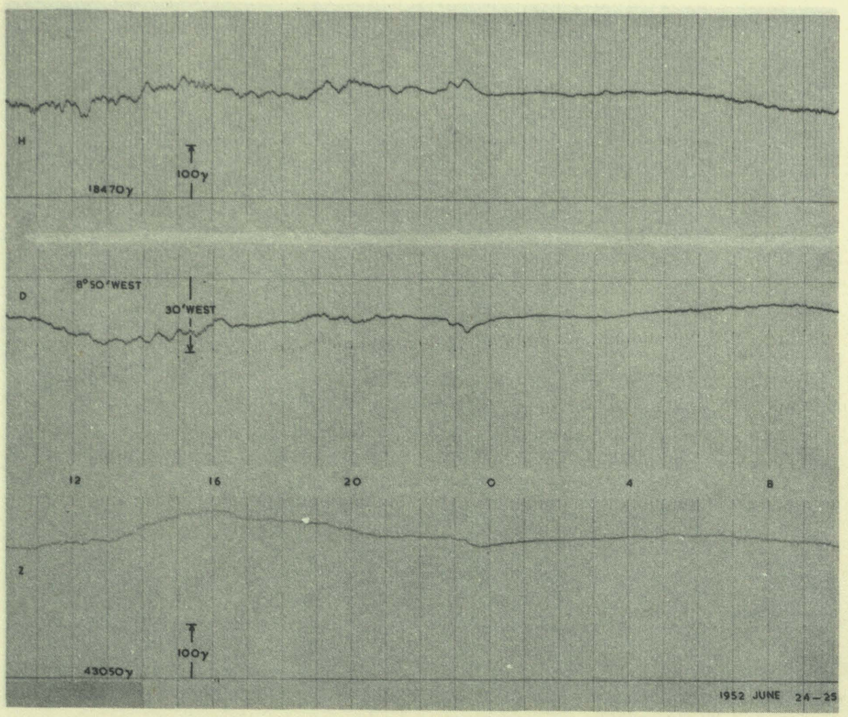
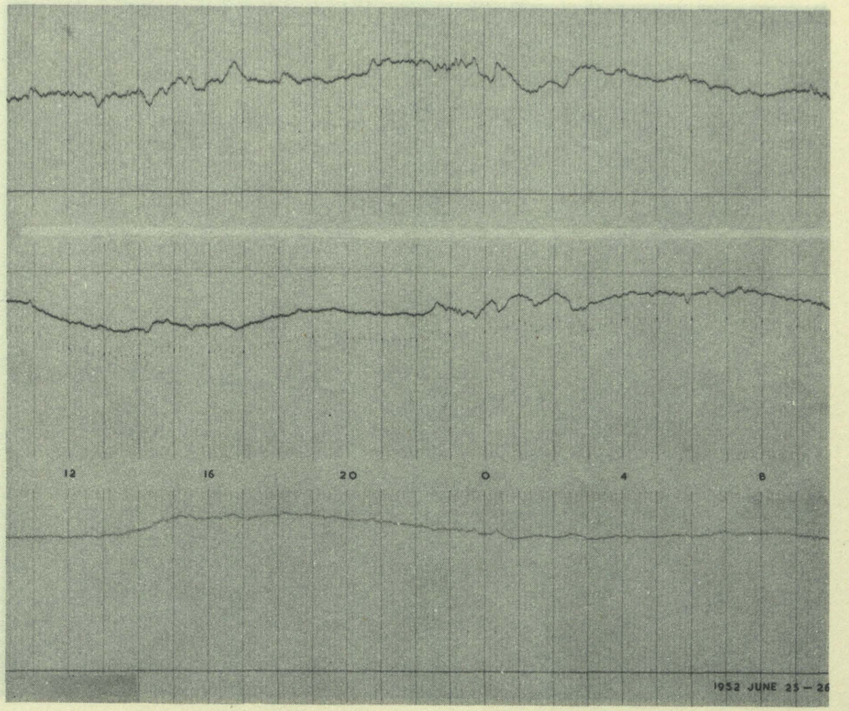
1952 JUNE 23–24


H
18470y
100y
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100y
43050y
1952 JUNE 24–25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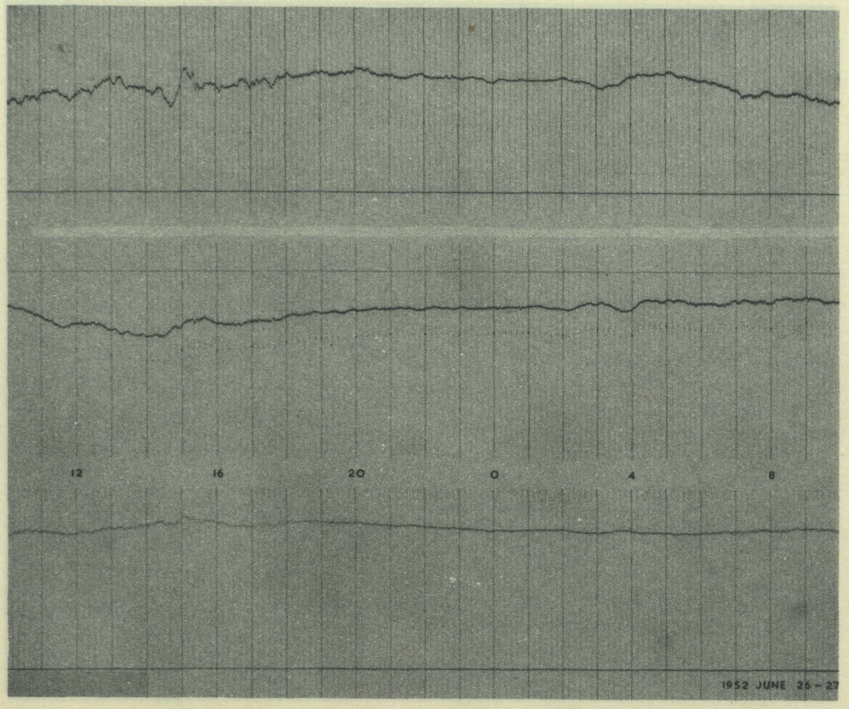
1952 JUNE 25–26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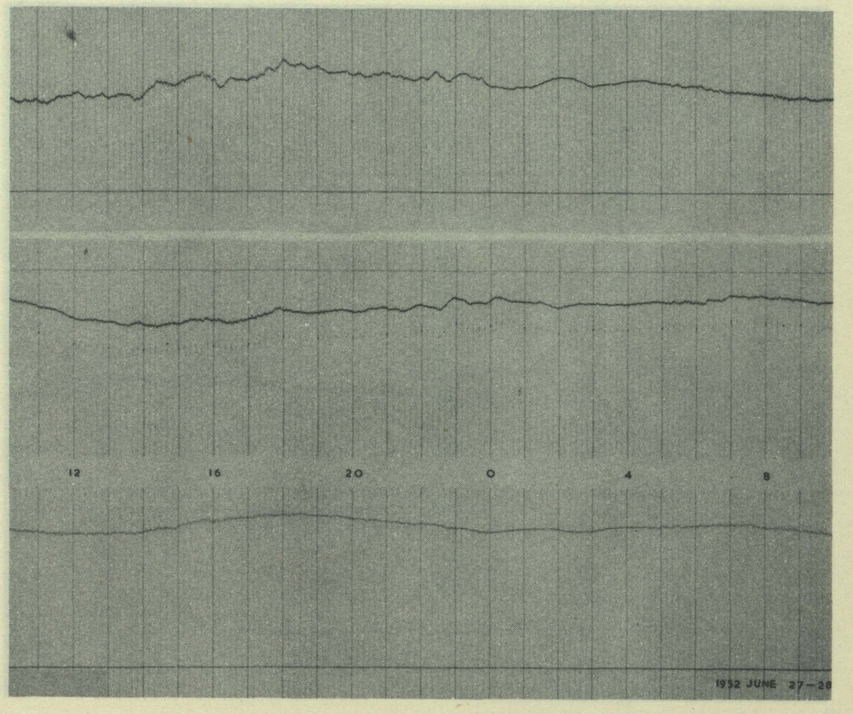
1952 JUNE 26–27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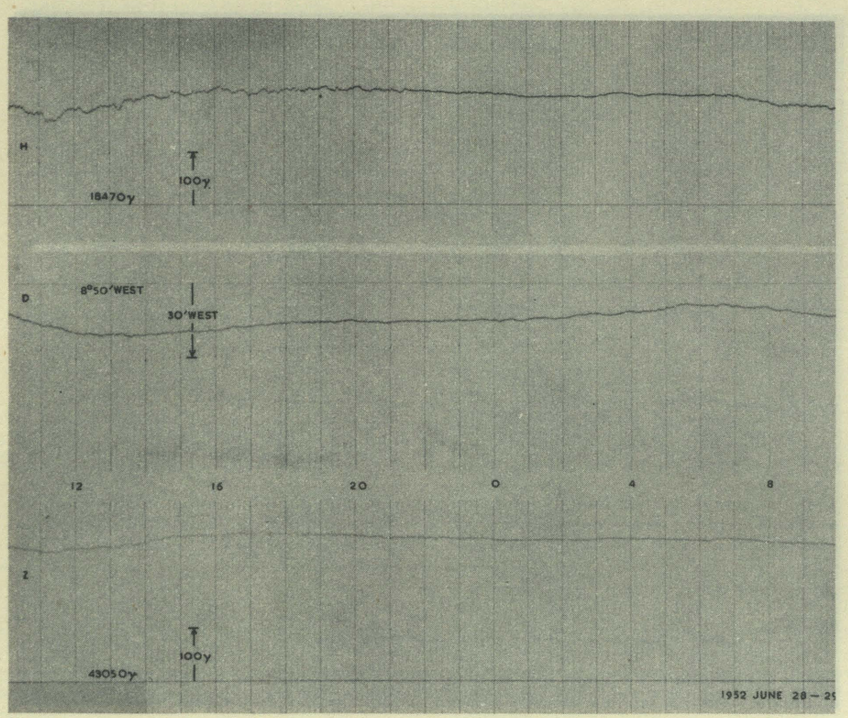
1952 JUNE 27–28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D
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30'WEST
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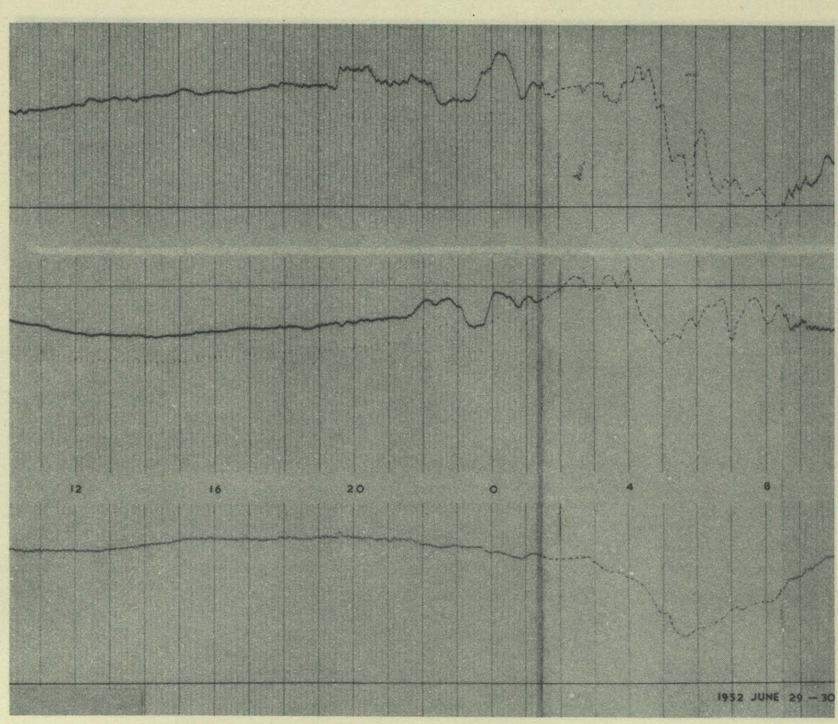
100γ
43050γ
1952 JUNE 28 — 29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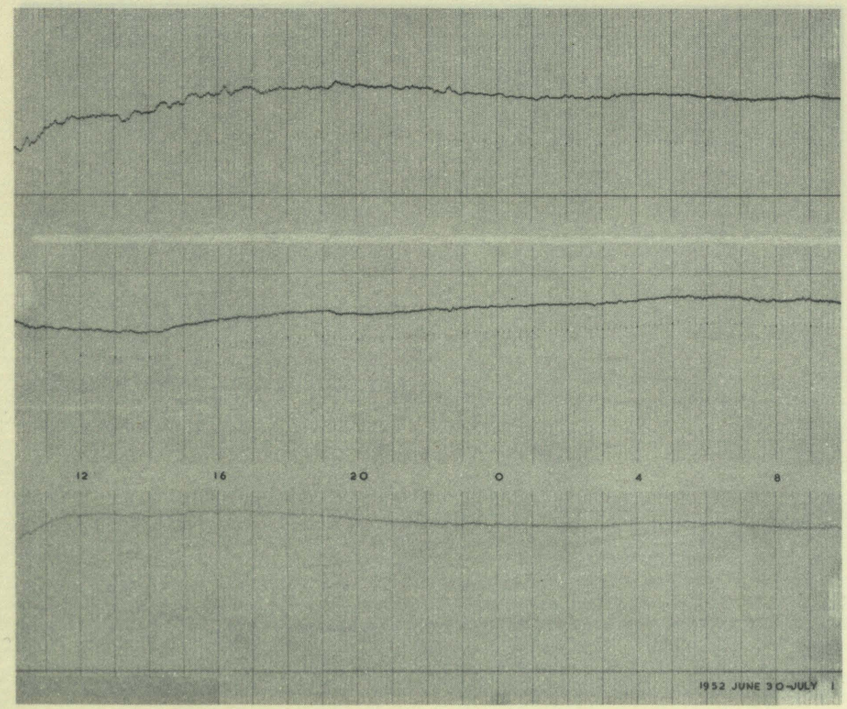
8
1952 JUNE 29 — 30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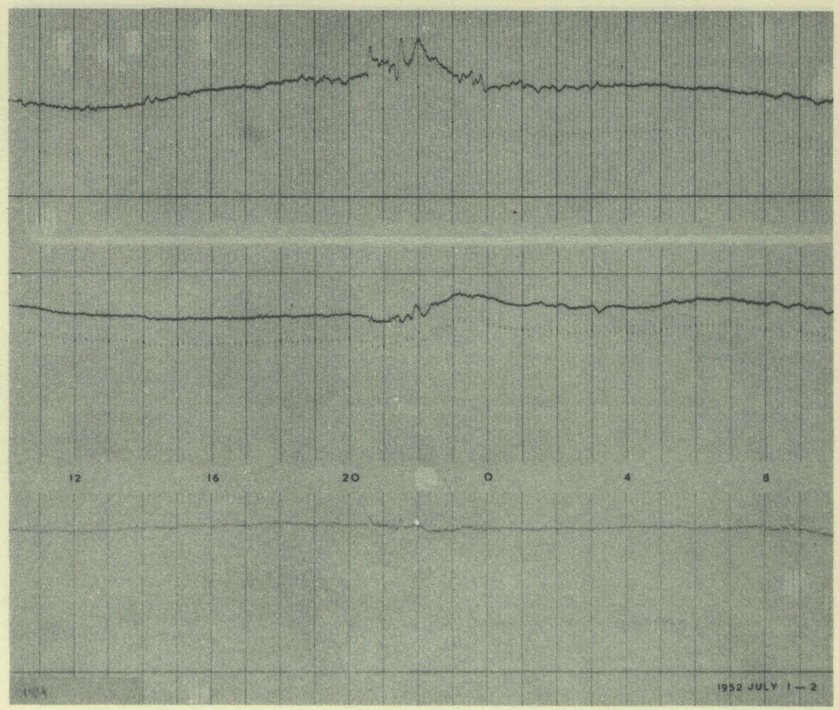
1952 JUNE 30-JULY 1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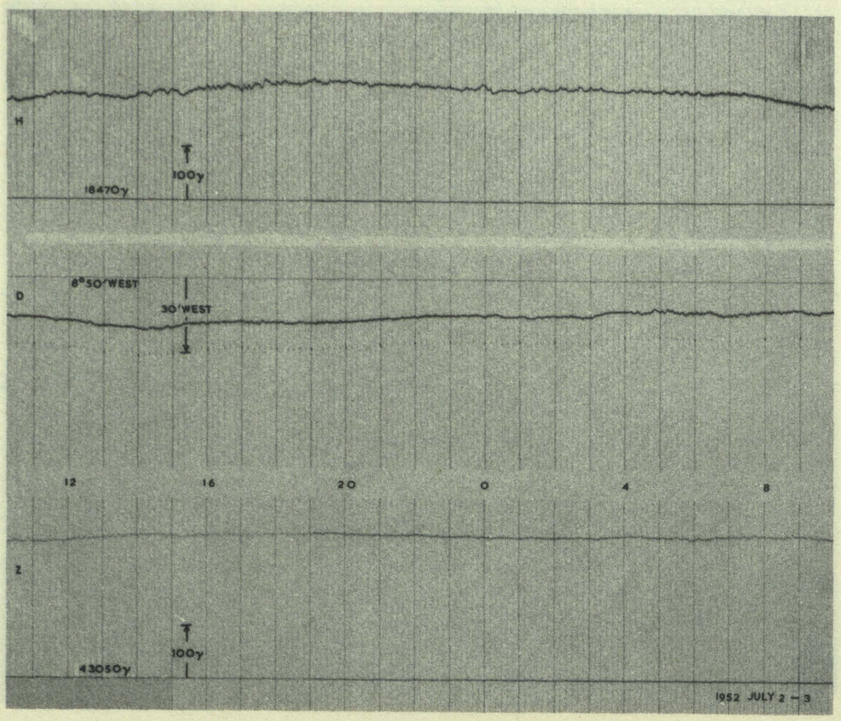
1952 JULY 1 — 2


H
100γ
18470γ
D
8°50'WEST
30'WEST
12
16
20
0
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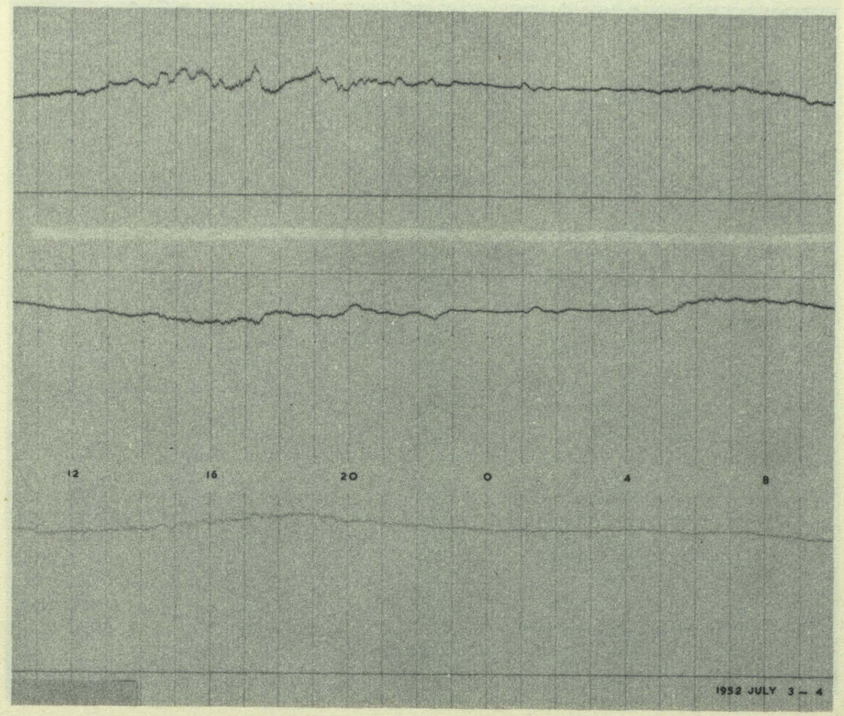
8
Z
100γ
43050γ
1952 JULY 2 — 3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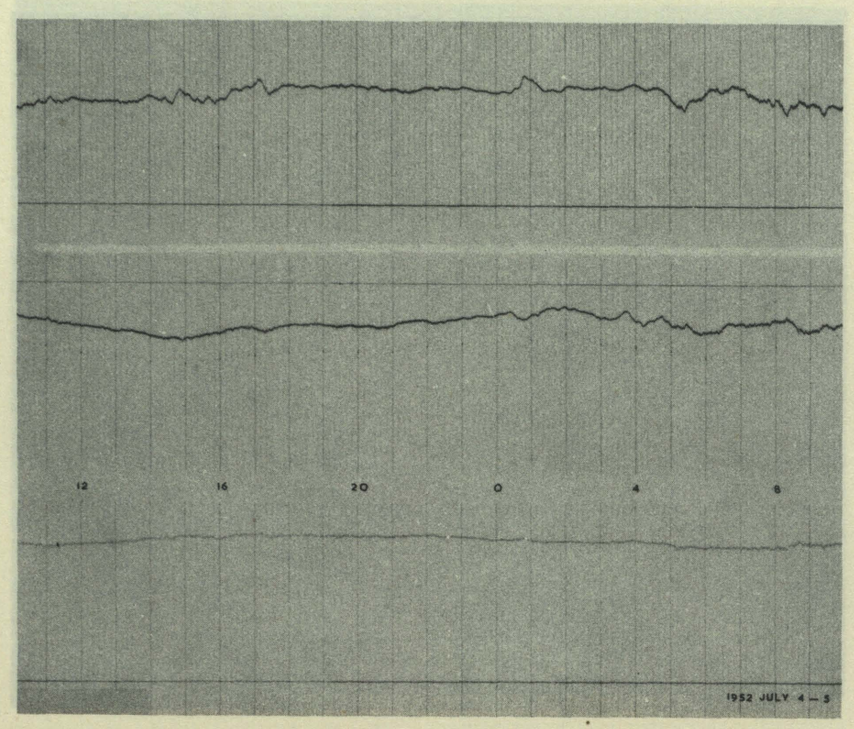
1952 JULY 3 — 4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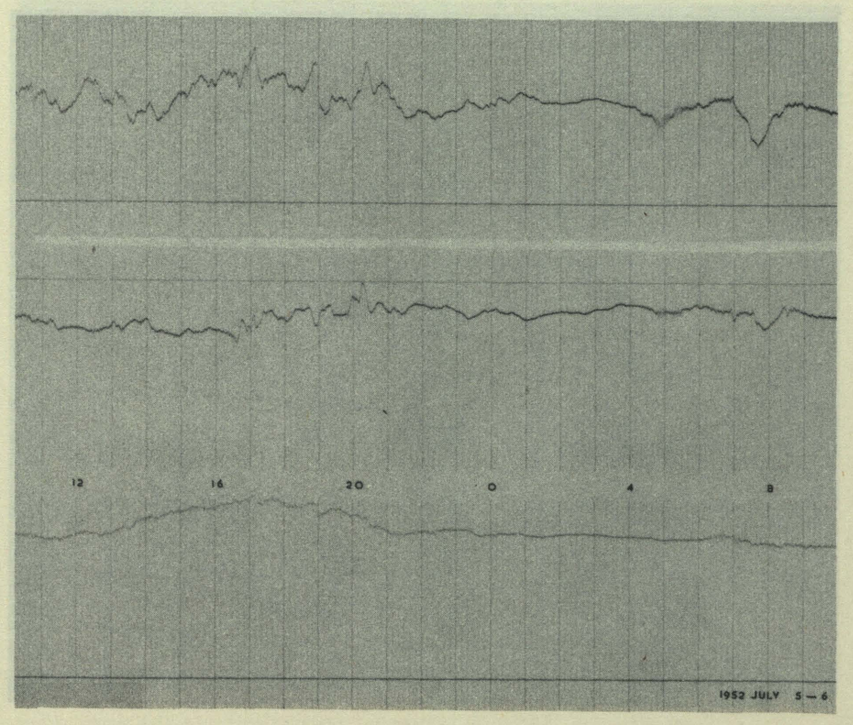
1952 JULY 4 — 5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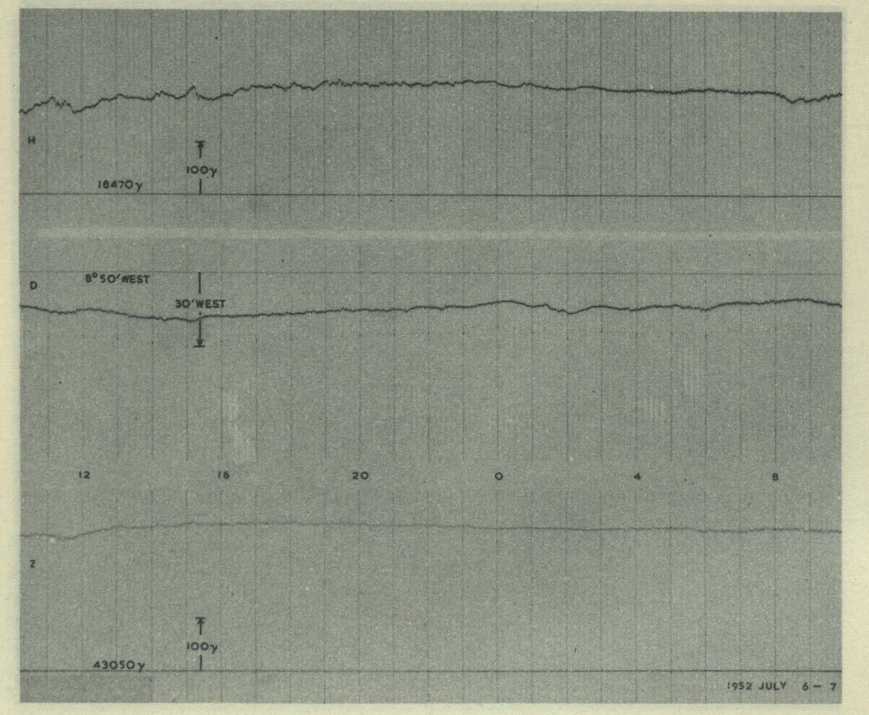
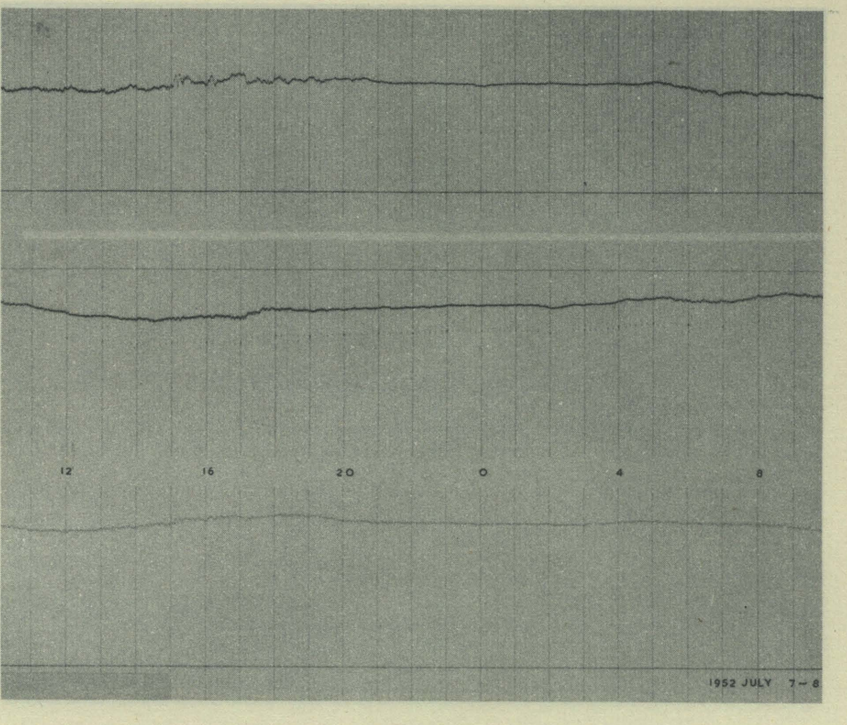
1952 JULY 5 — 6


H
18470γ
100γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
43050γ
100γ
1952 JULY 6 – 7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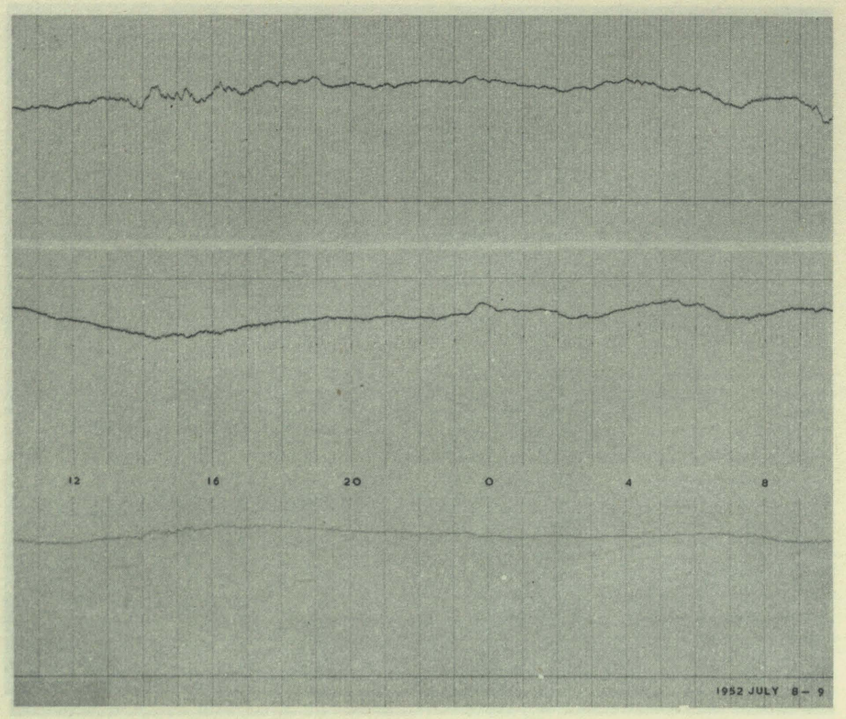
1952 JULY 7 – 8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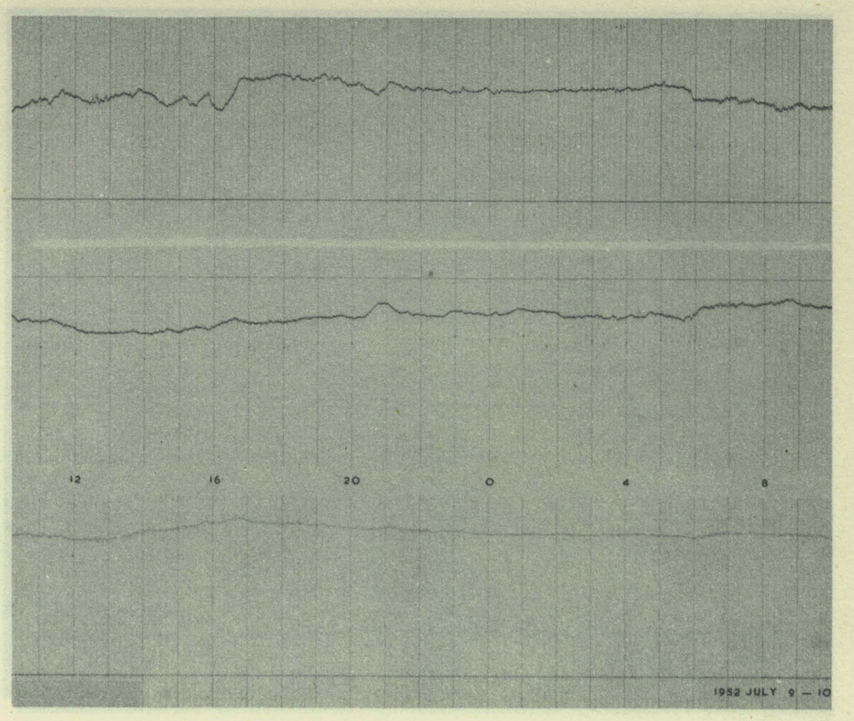
1952 JULY 8 – 9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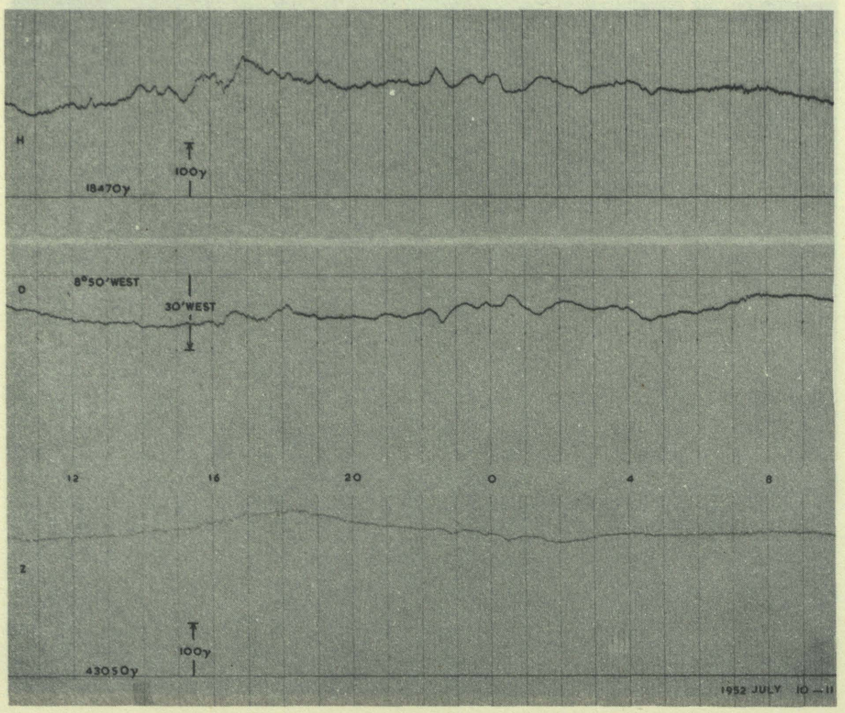
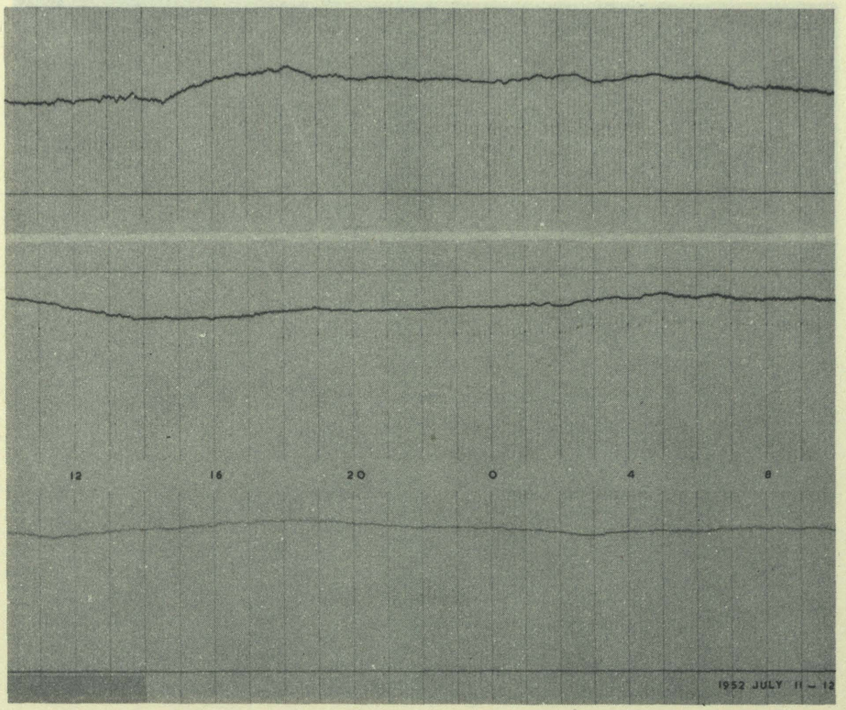
1952 JULY 9 – 10


H
100γ
18470γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 JULY 10—11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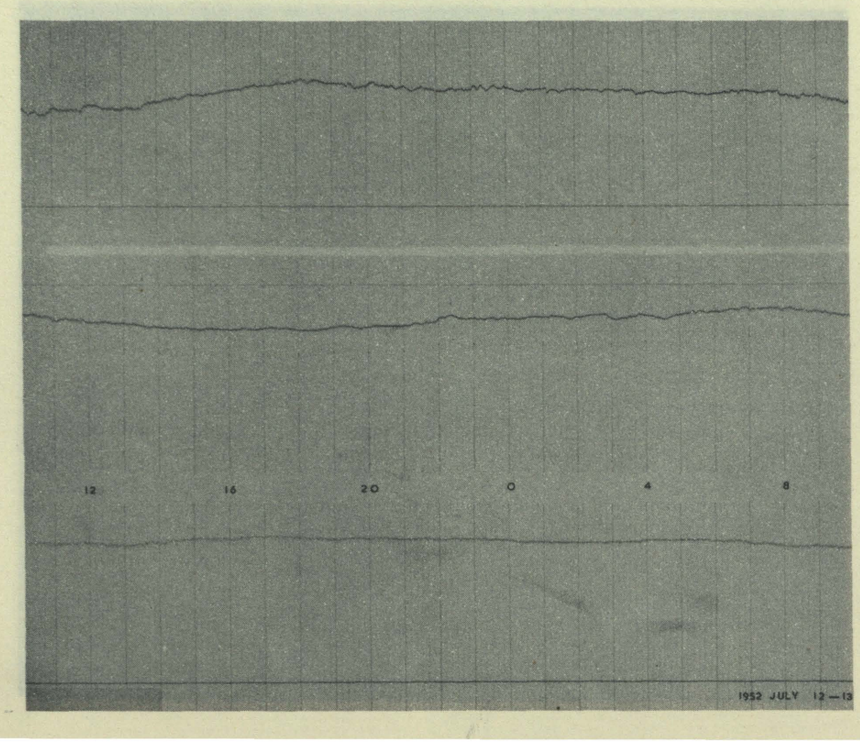
8
1952 JULY 11—12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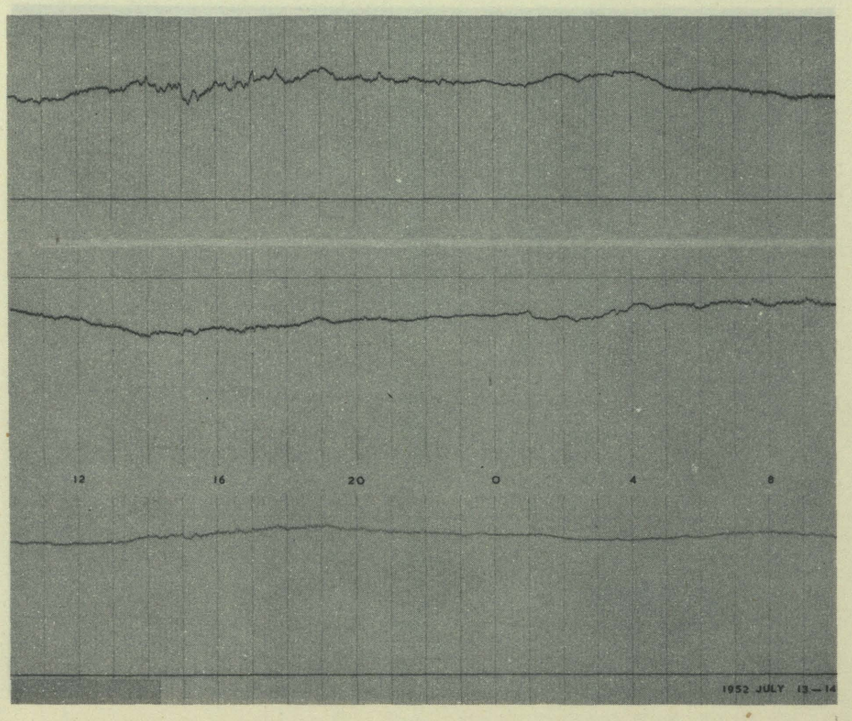
1952 JULY 12—13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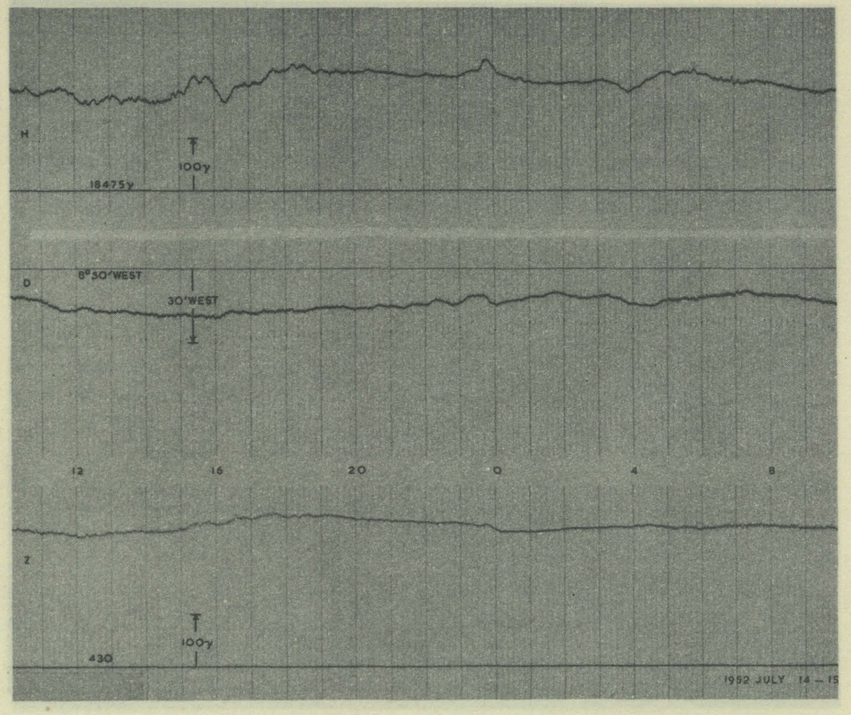
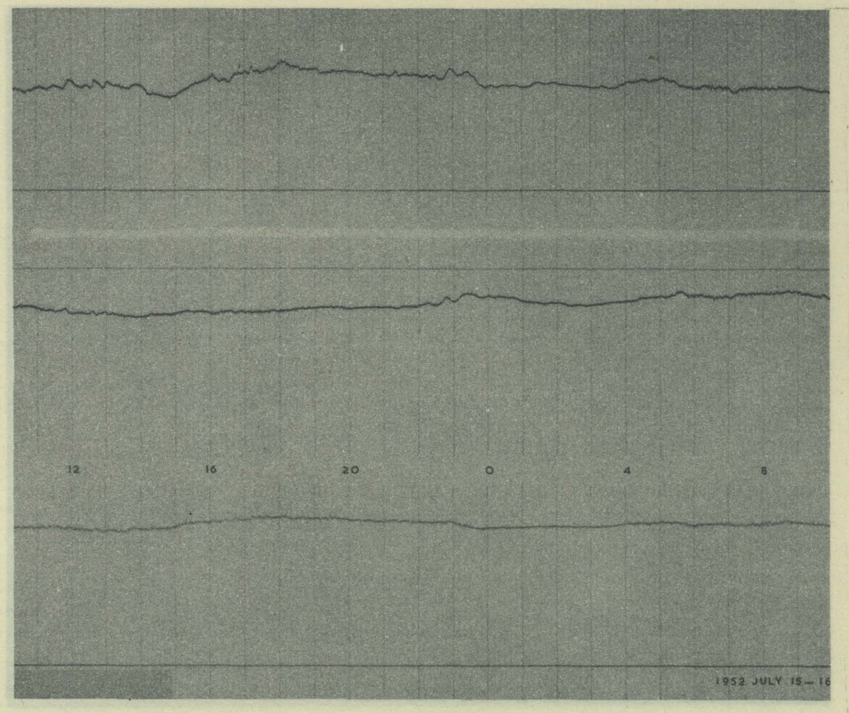
1952 JULY 13—14


H
18475γ
100γ
D
8°30'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
430
1952 JULY 14 – 15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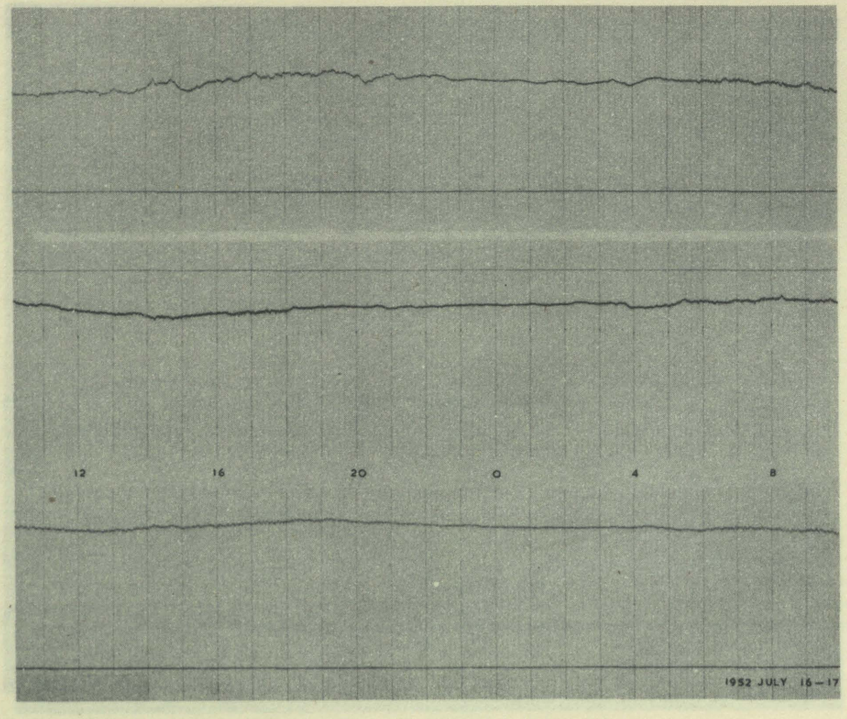
4
8
1952 JULY 15 – 16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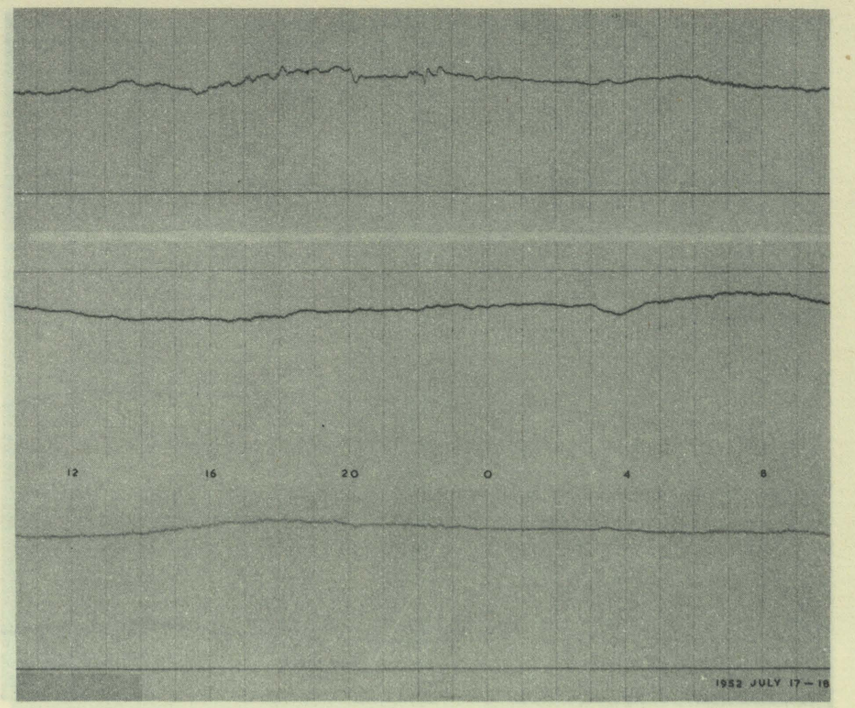
1952 JULY 16 – 17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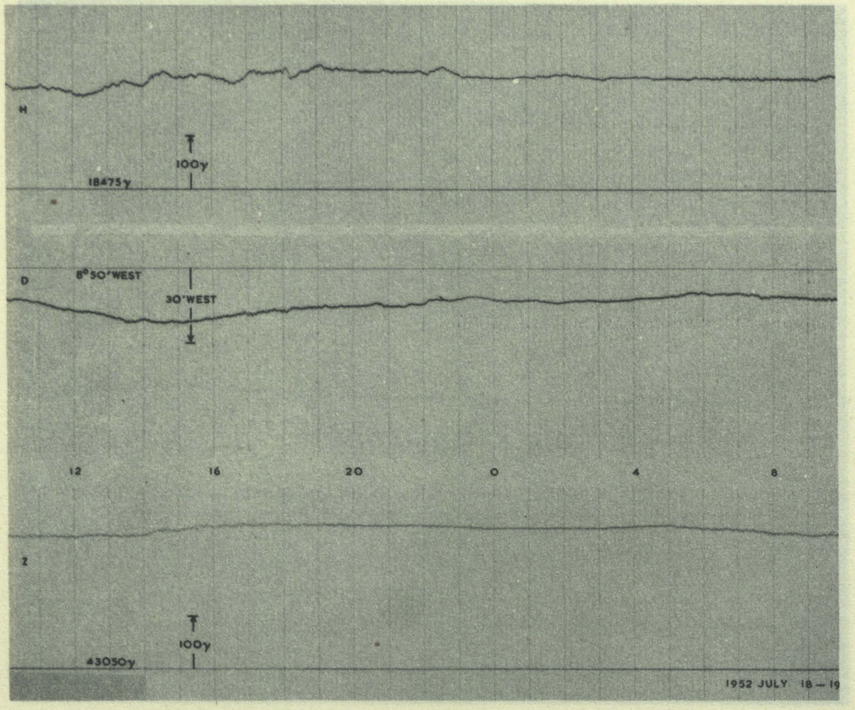
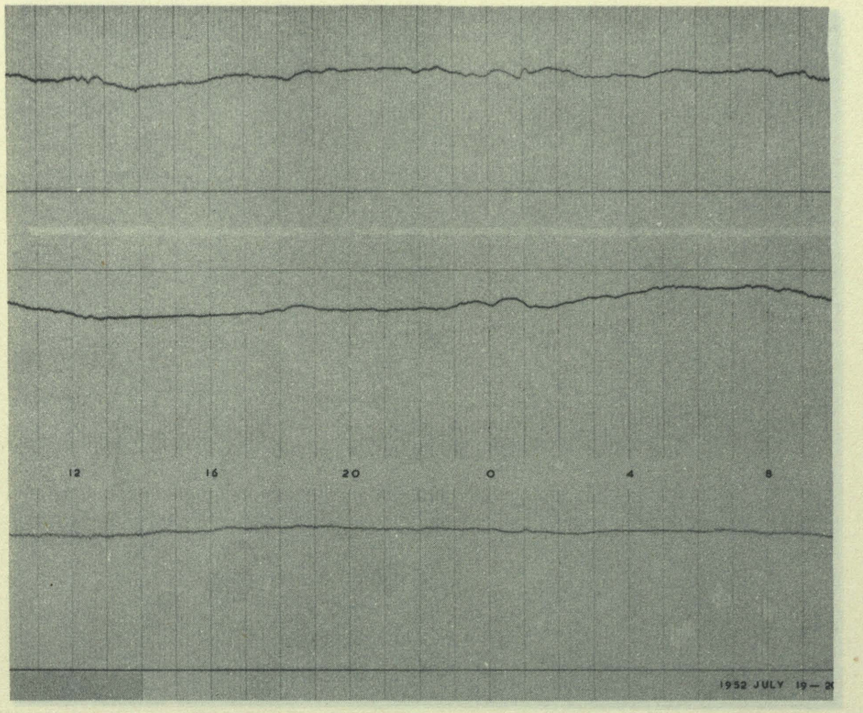
1952 JULY 17 – 18


H
100γ
18475γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43030γ
1952 JULY 18 — 19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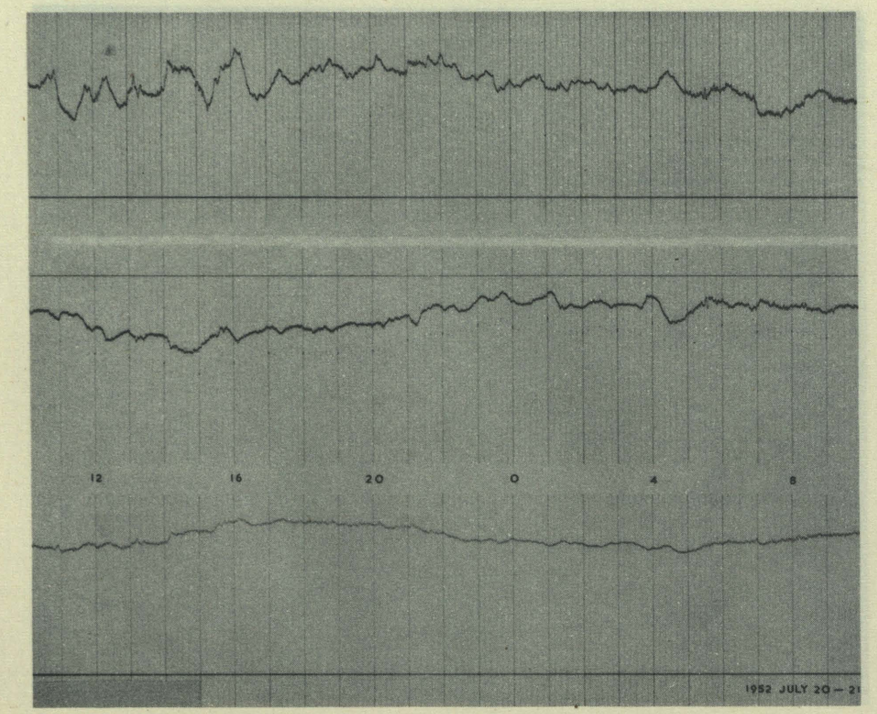
1952 JULY 19 — 2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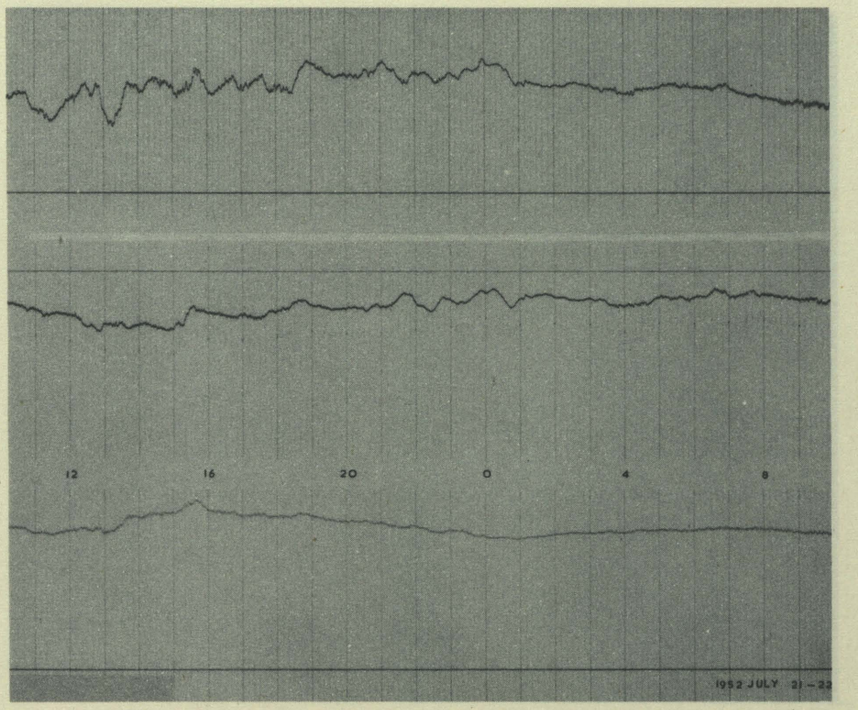
1952 JULY 20 — 21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20
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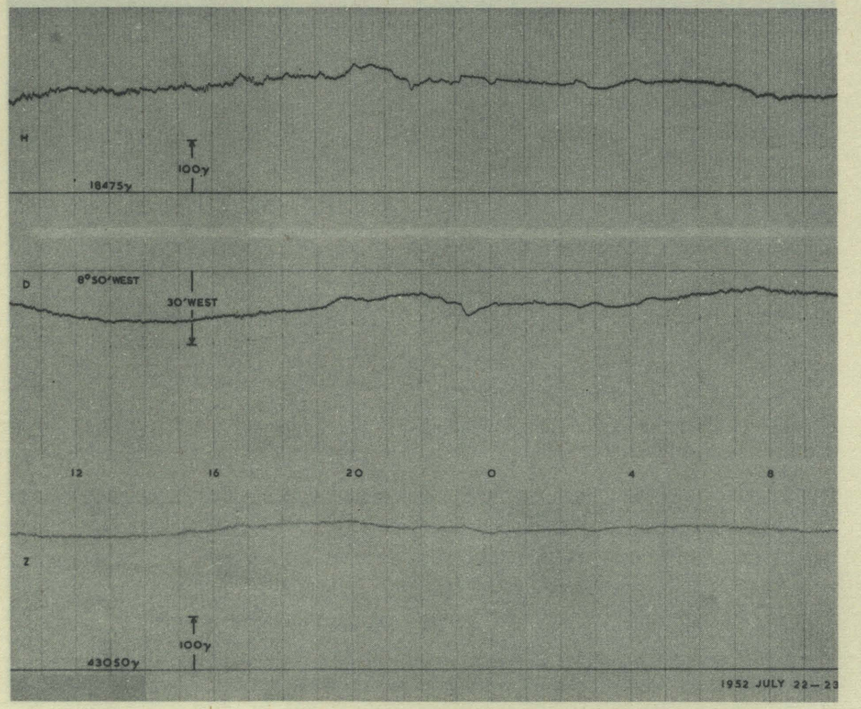
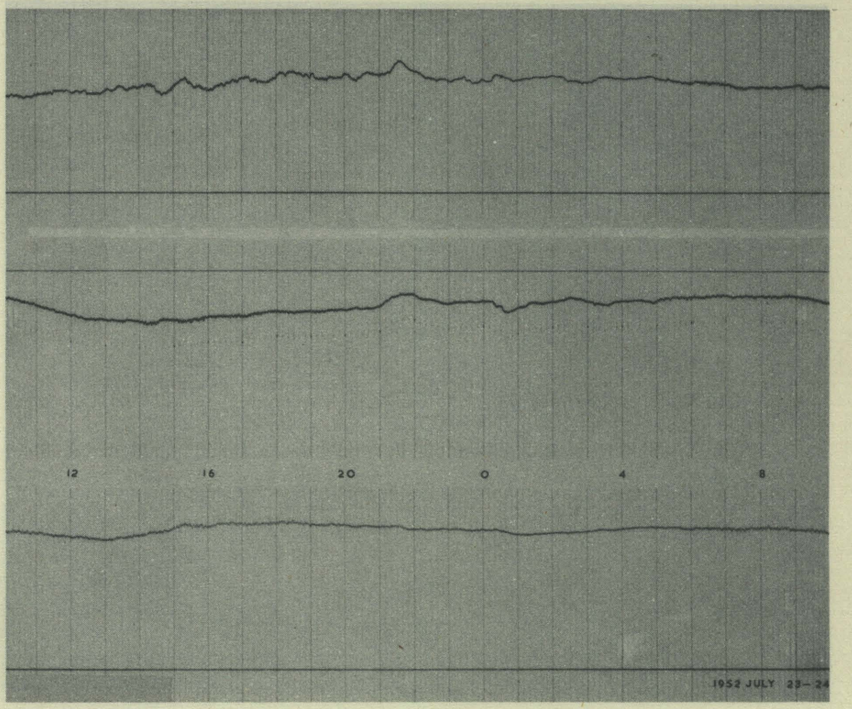
4
8
1952 JULY 21 — 22


H
100γ
18475γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 JULY 22–23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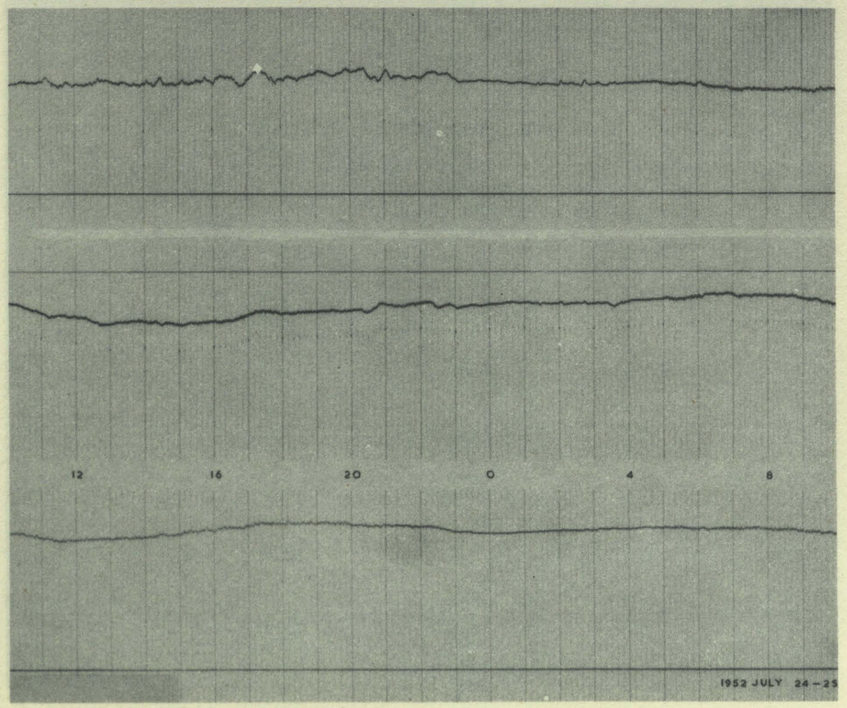
4
8
1952 JULY 23–24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20
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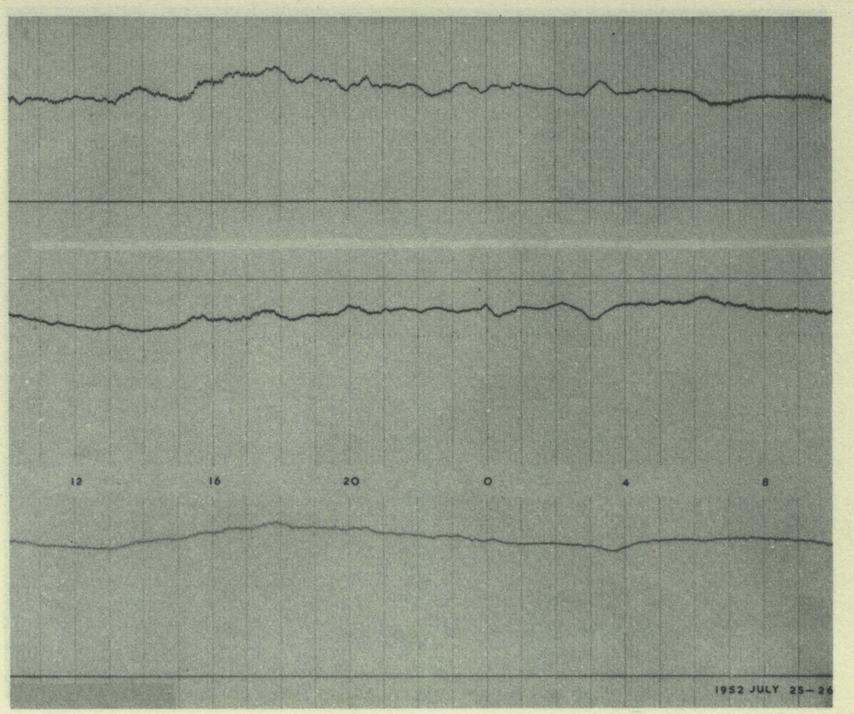
4
8
1952 JULY 24–25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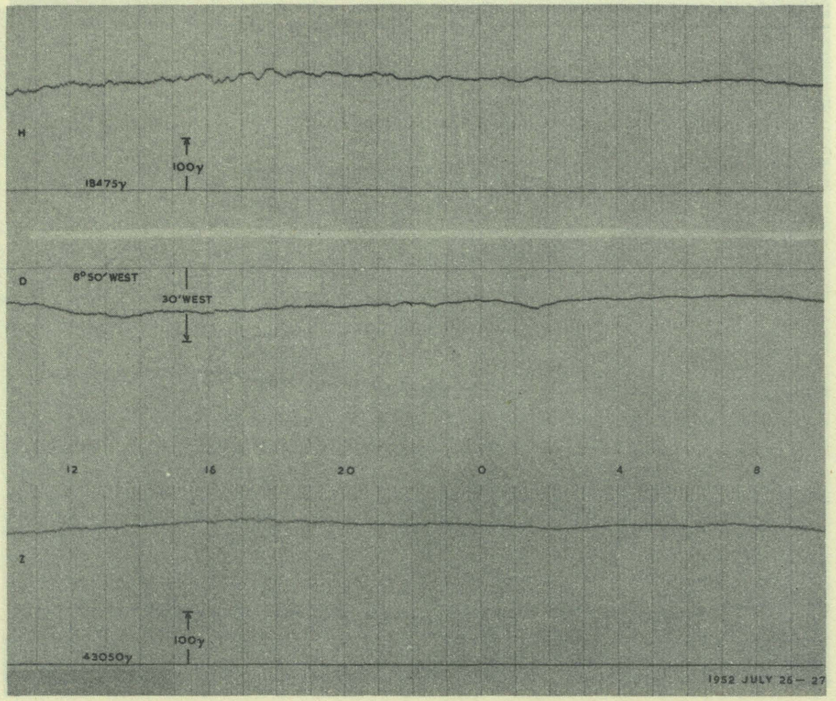
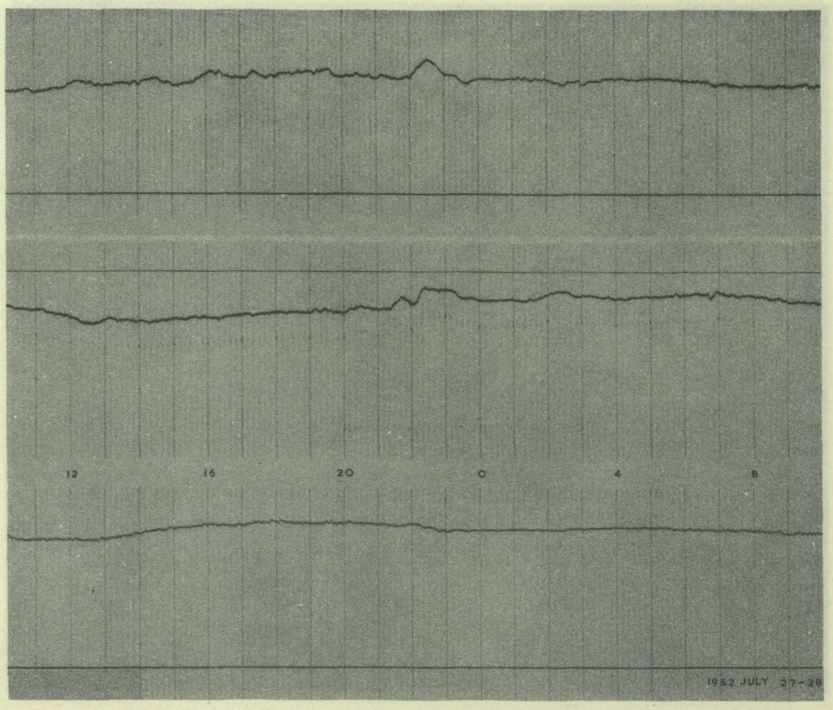
0
4
8
1952 JULY 25–26


H
100γ
18475γ
D
8°50' WEST
30' WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 JULY 26—27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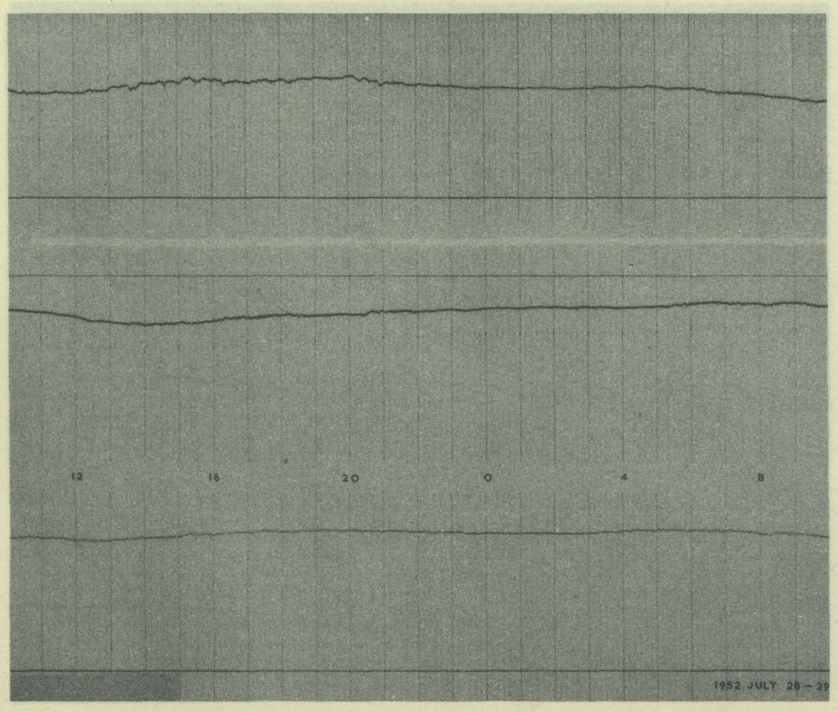
8
1952 JULY 27—28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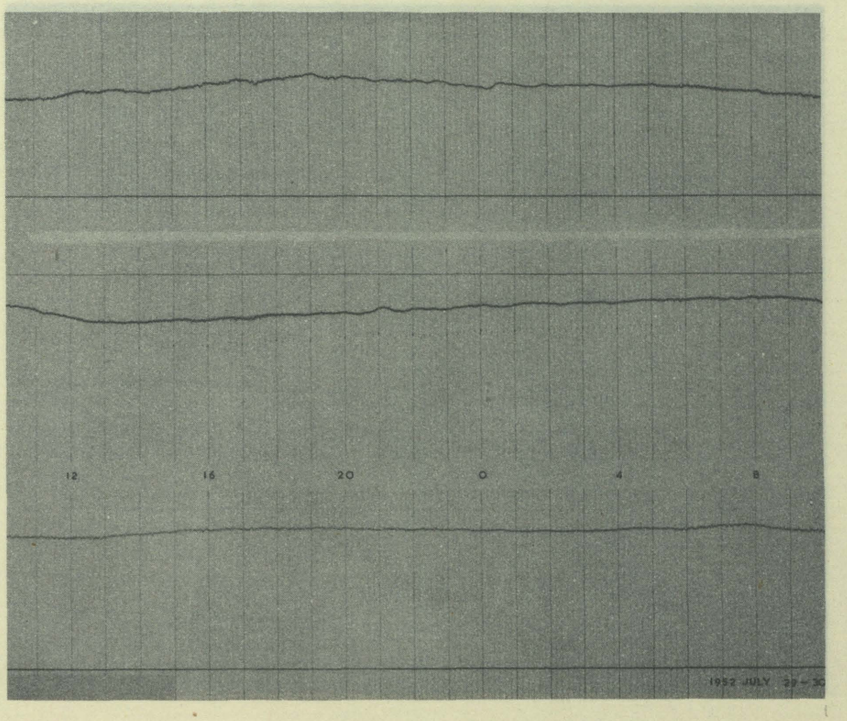
1952 JULY 28—29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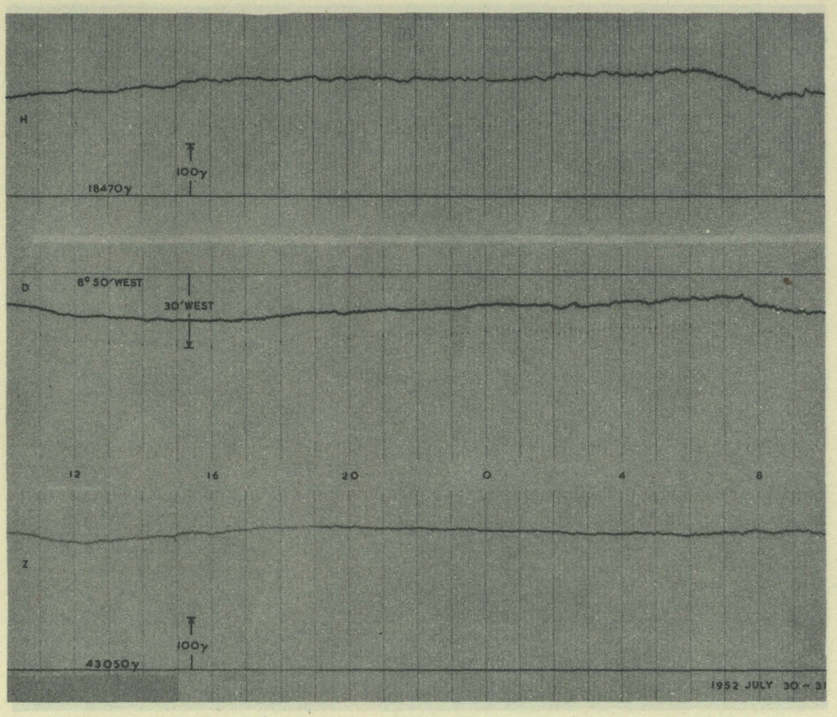
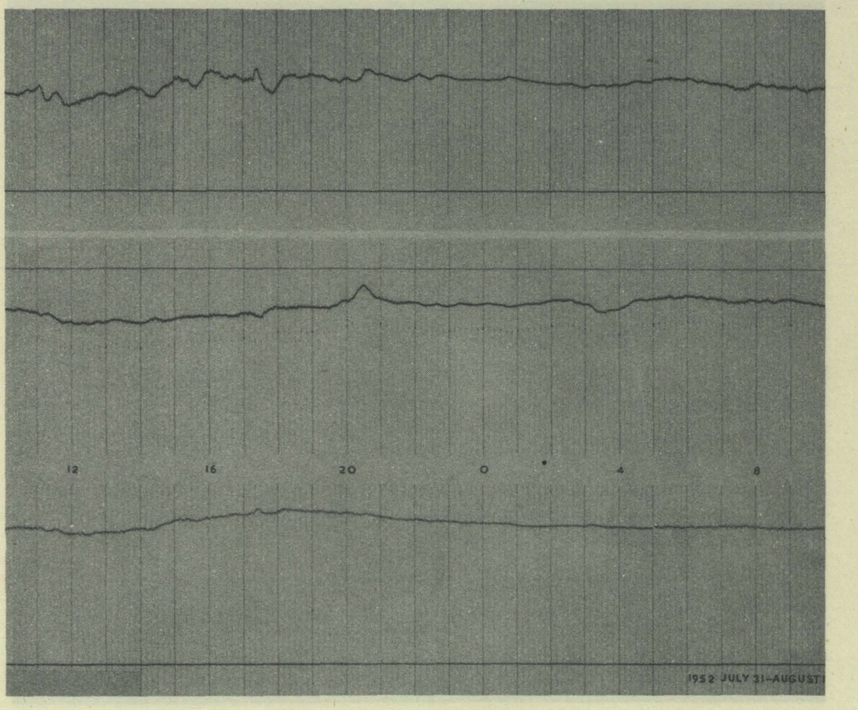
1952 JULY 29—30


H
100γ
18470γ
D
6° 50' WEST
30' WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 JULY 30 – 31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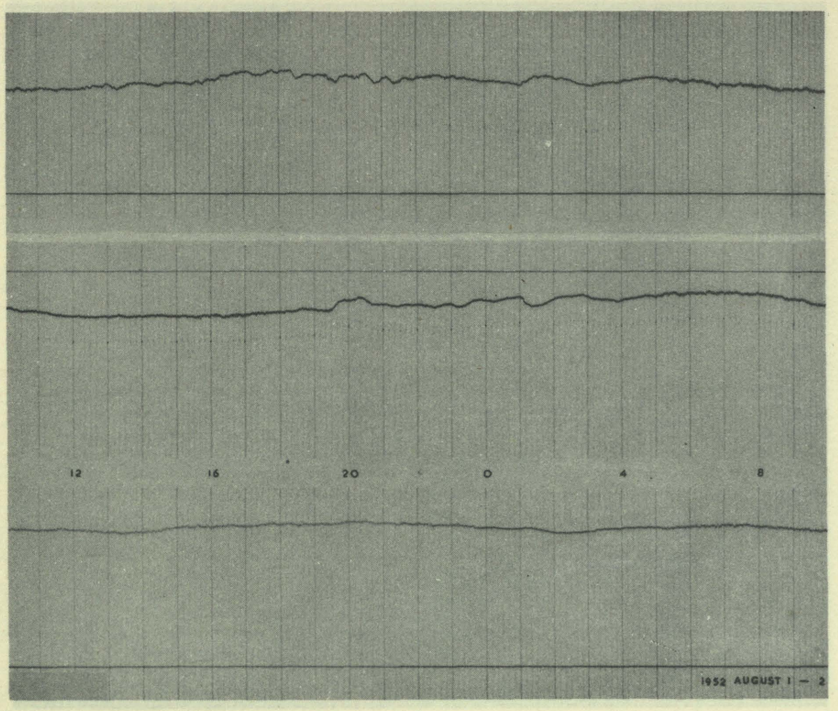
1952 JULY 31–AUGUST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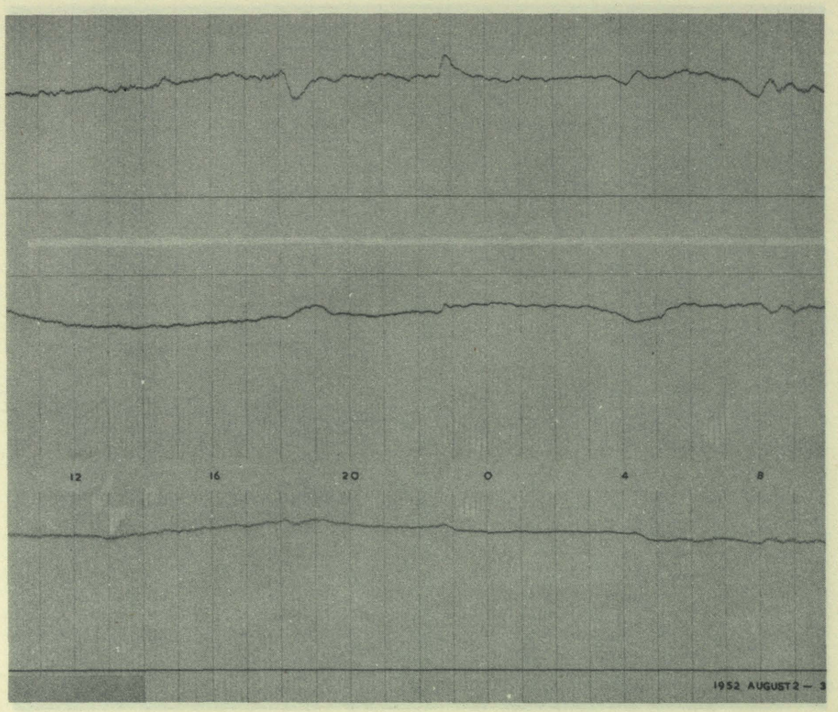
1952 AUGUST 1 – 2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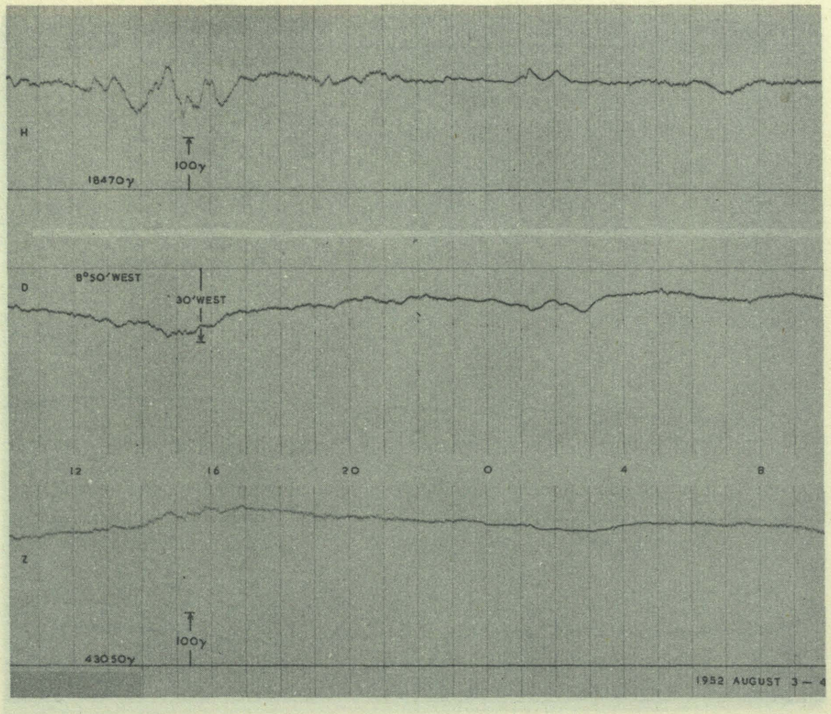
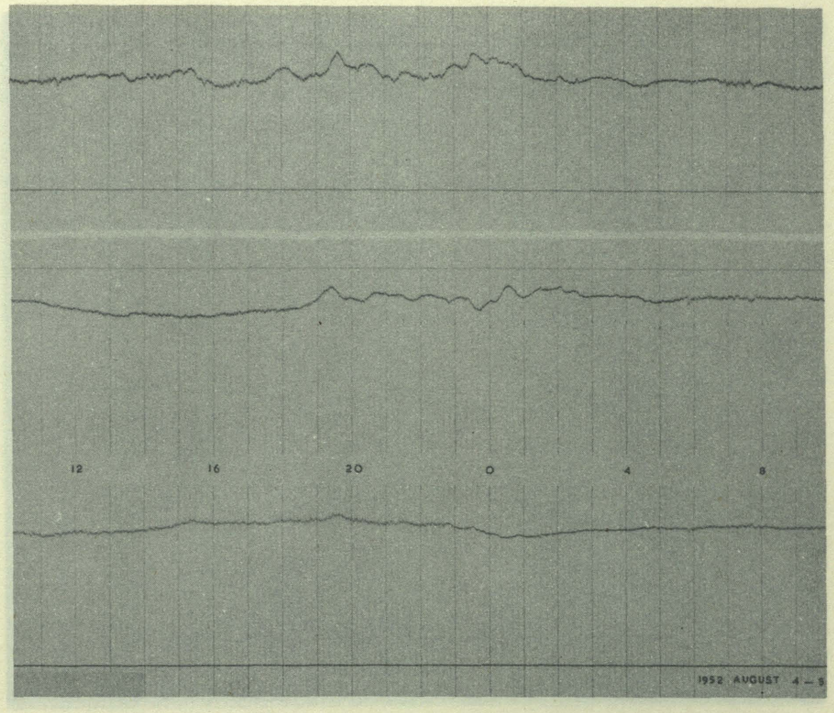
8
1952 AUGUST 2 – 3


H
100γ
18470γ
D
8°50' WEST
30' WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 AUGUST 3 — 4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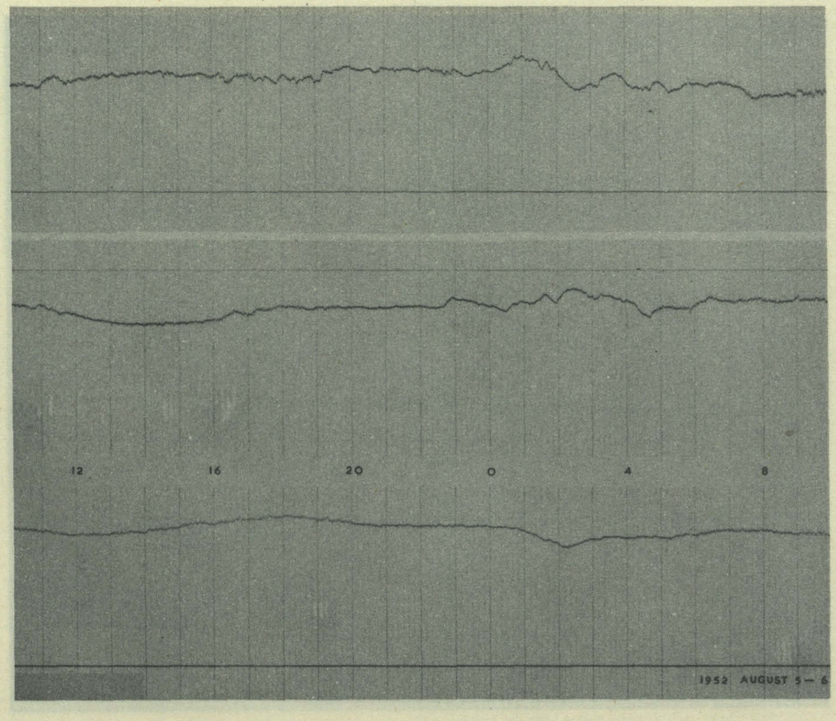
1952 AUGUST 4 — 5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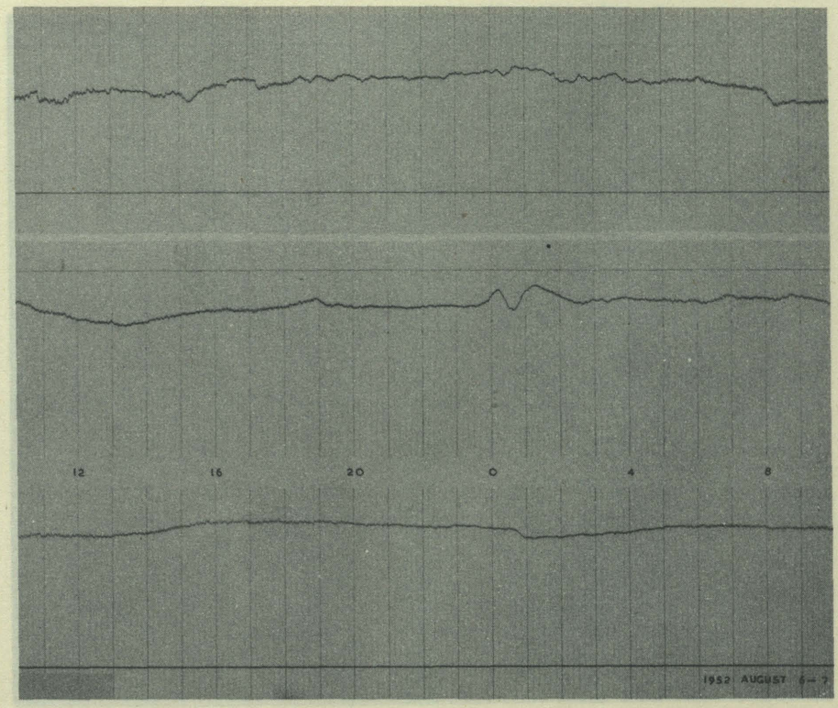
1952 AUGUST 5 — 6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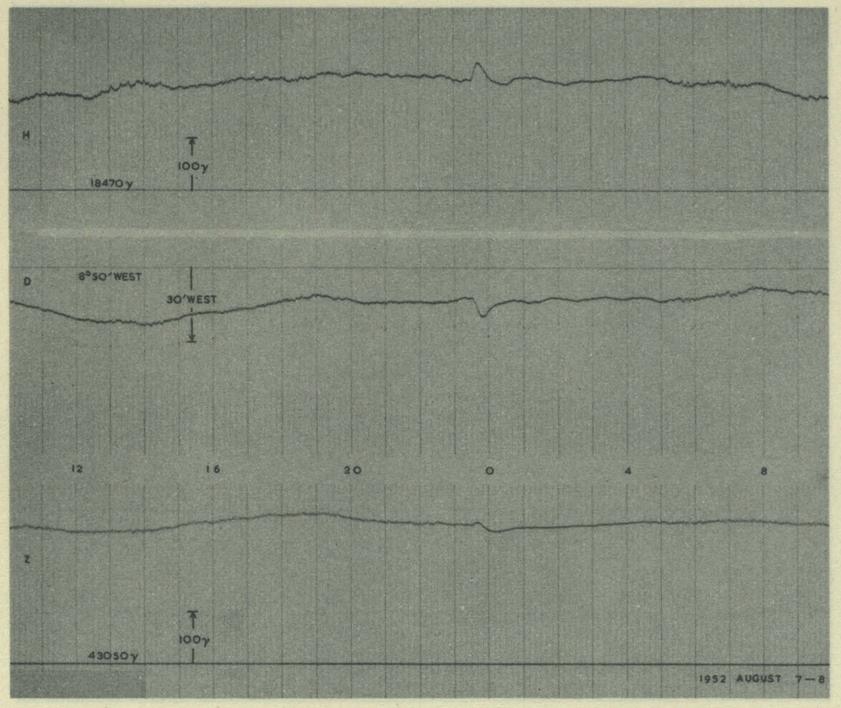
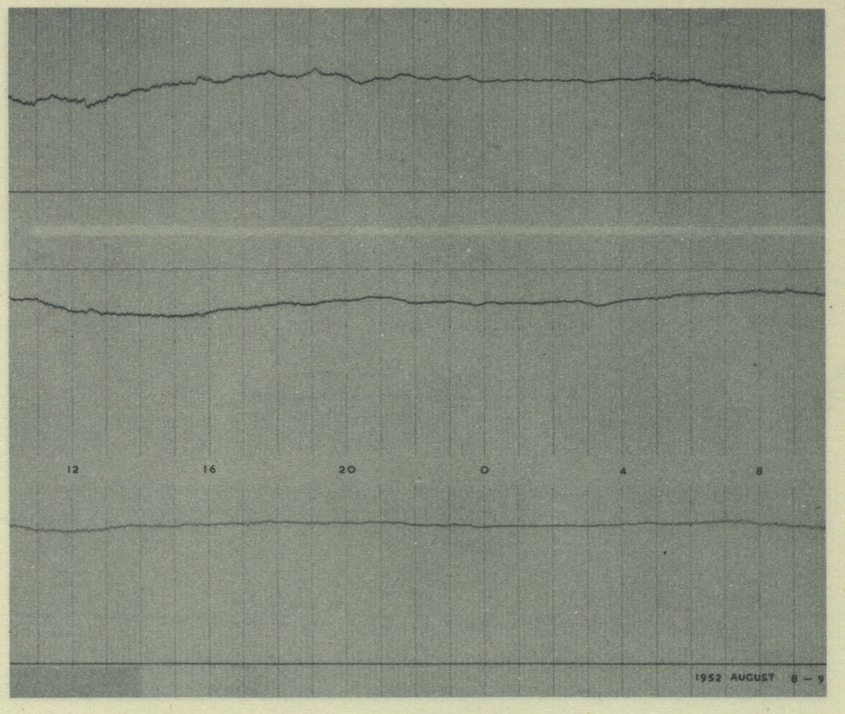
1952 AUGUST 6 — 7


H
100γ
18470γ
D
8°30'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 AUGUST 7—8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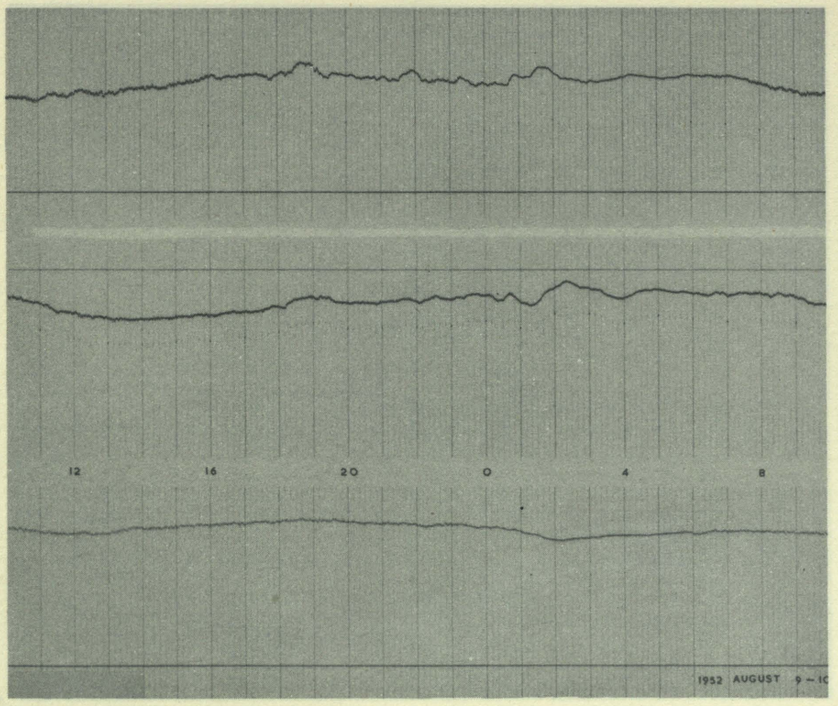
1952 AUGUST 8—9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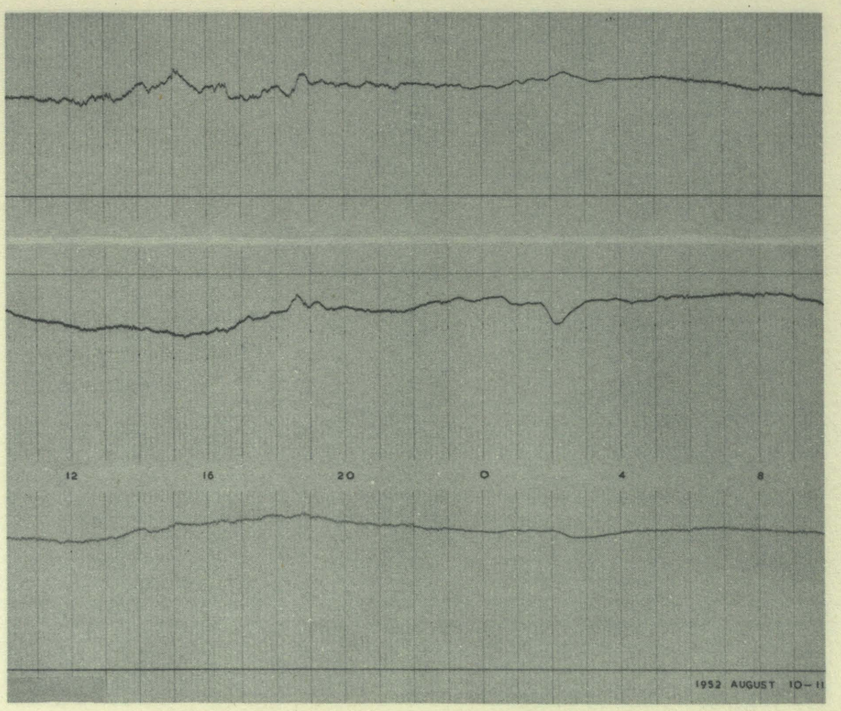
1952 AUGUST 9—10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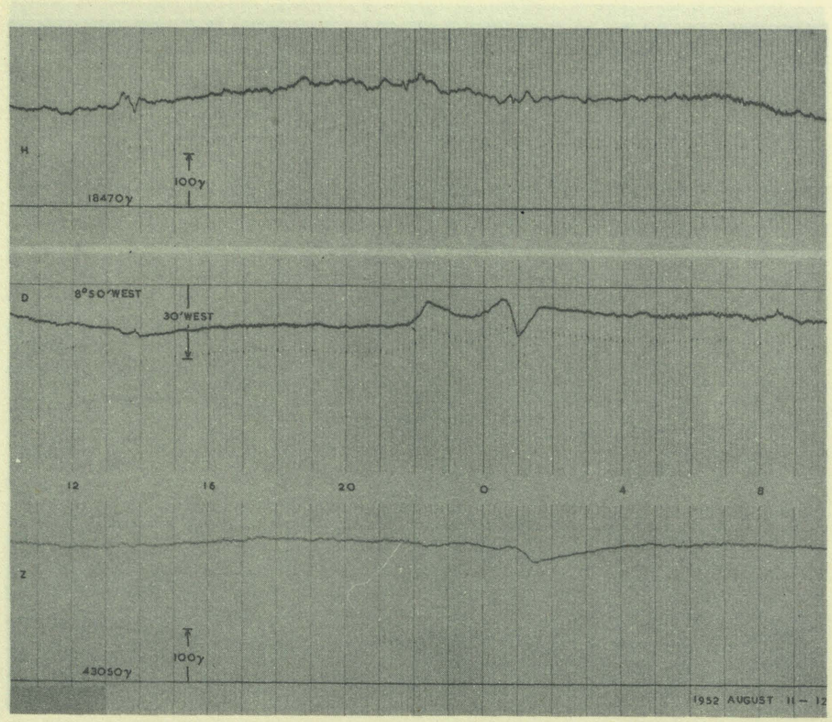
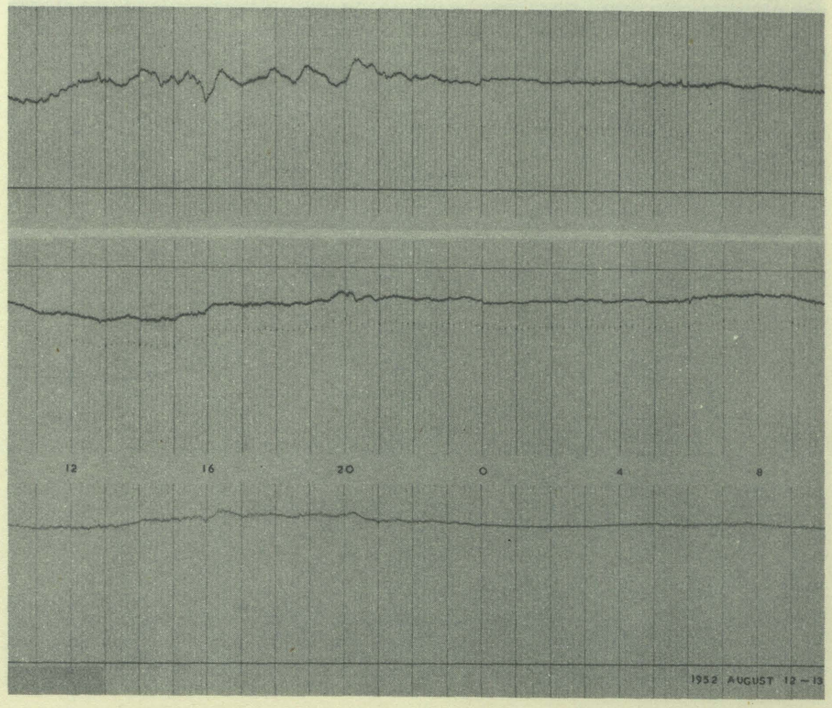
1952 AUGUST 10—11


H
100γ
18470γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 AUGUST 11 — 12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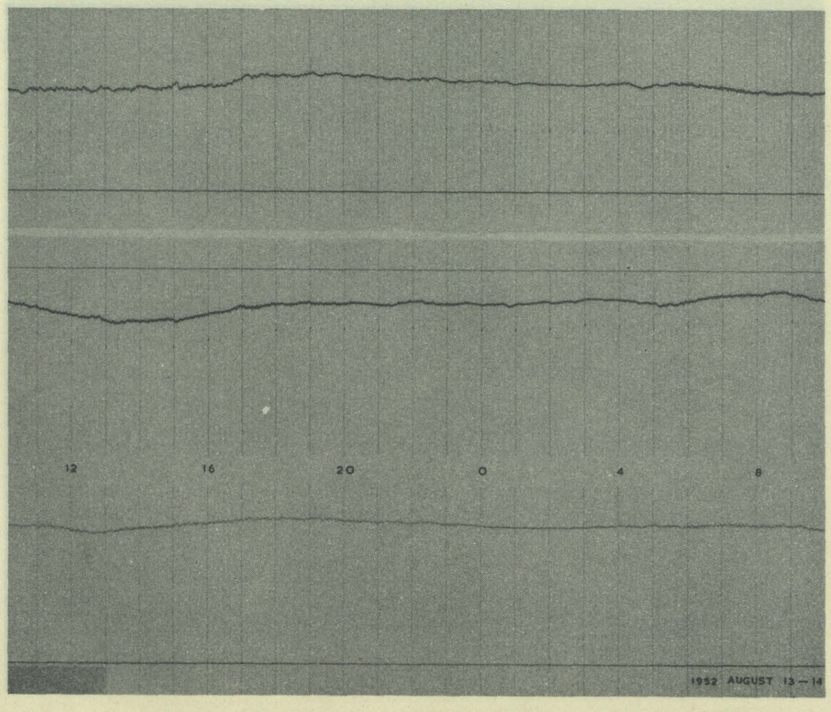
1952 AUGUST 12 — 13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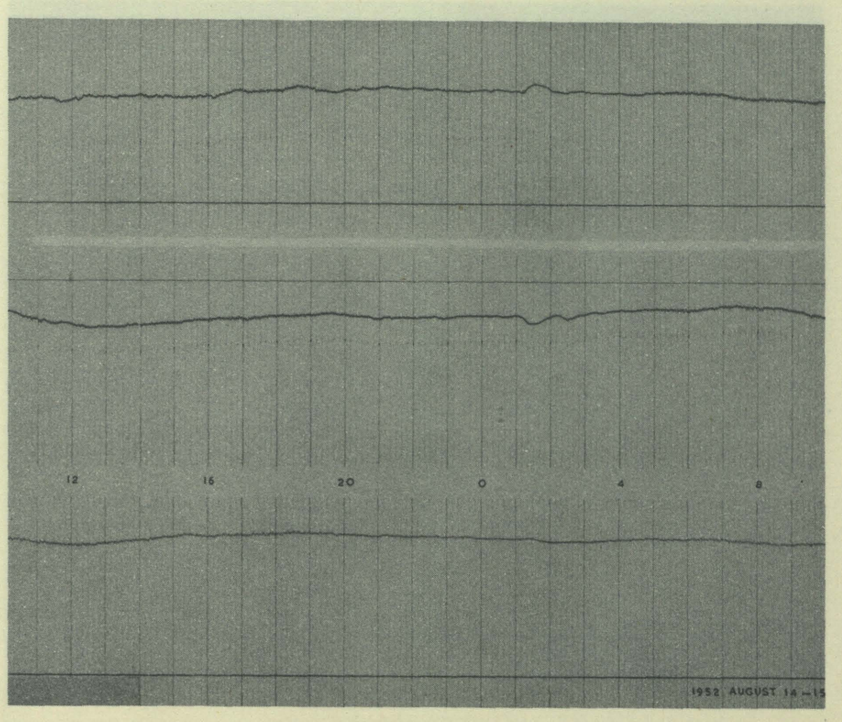
4
8
1952 AUGUST 13 — 14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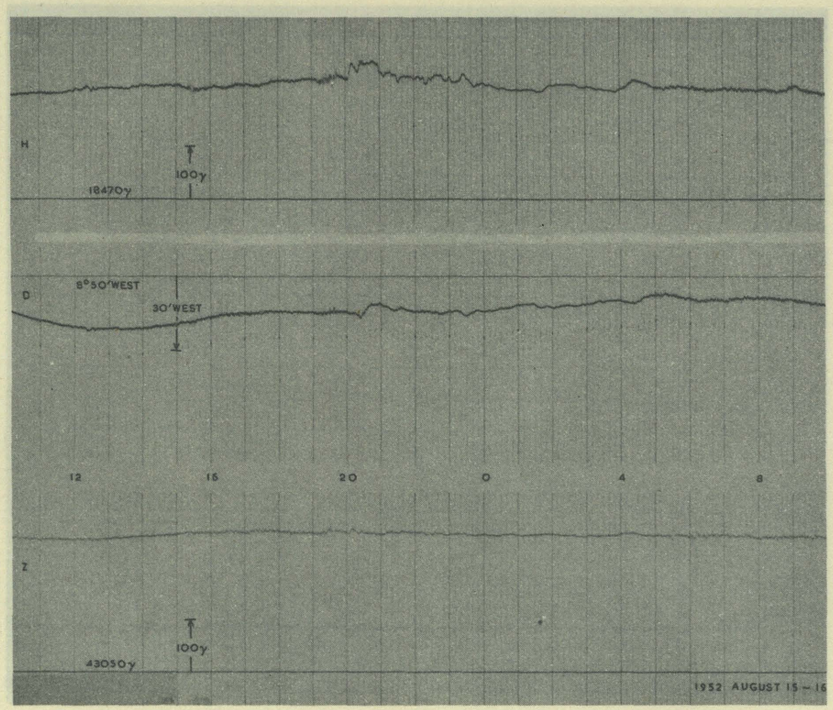
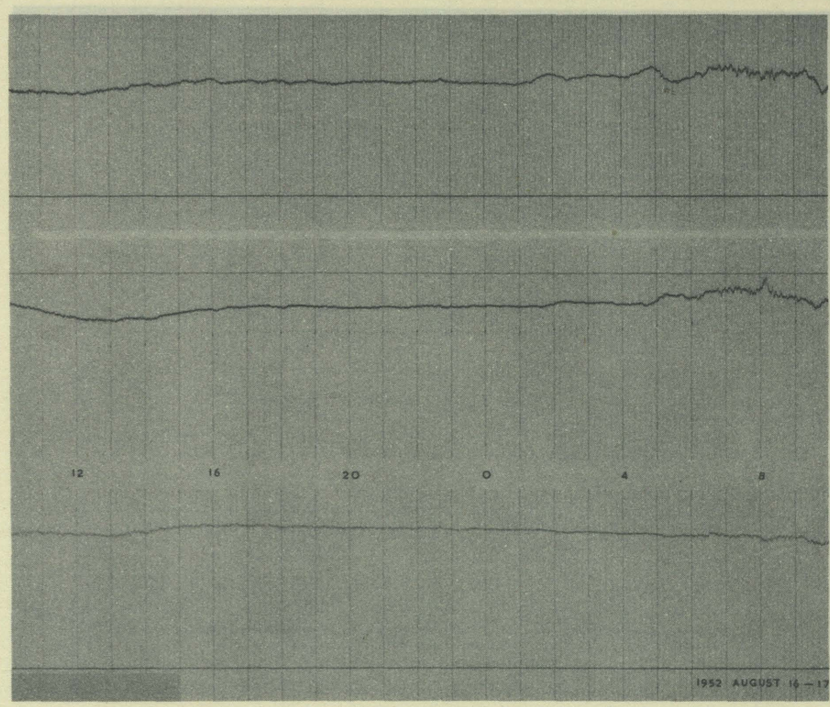
1952 AUGUST 14 — 15


H
100γ
18470γ
D
8°50'WEST
30'WEST
12
15
20
0
4
8
Z
100γ
43050γ
1952 AUGUST 15 – 16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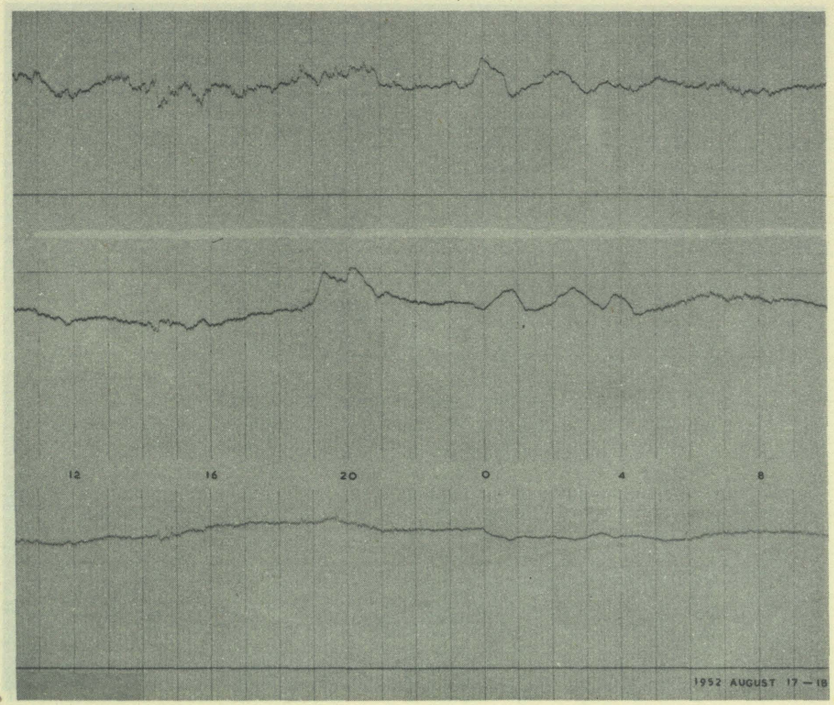
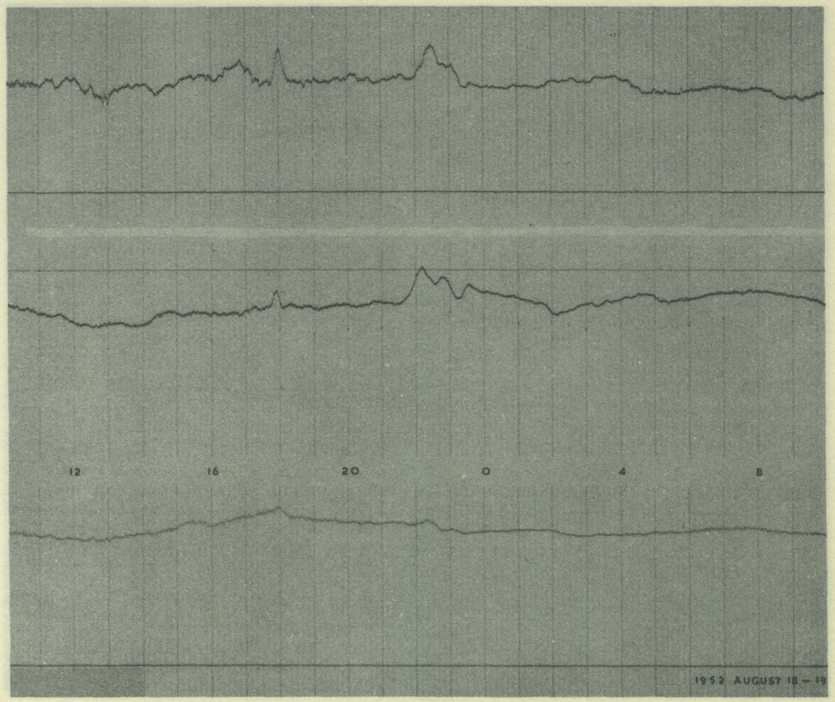
8
1952 AUGUST 16 – 17


12
16
20
0
4
8
1952 AUGUST 17 – 18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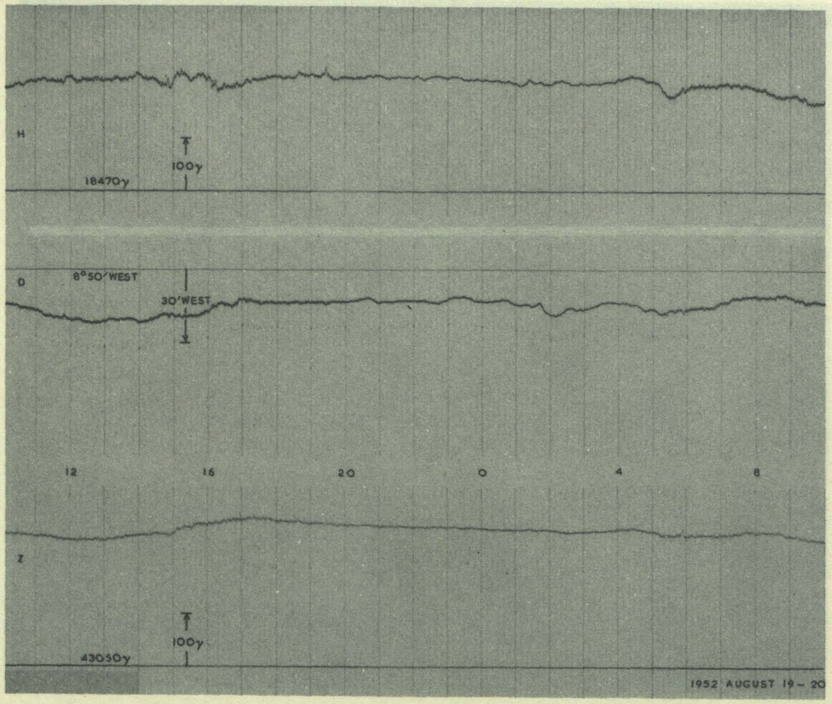
1952 AUGUST 18 – 19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100γ
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D
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30′WEST
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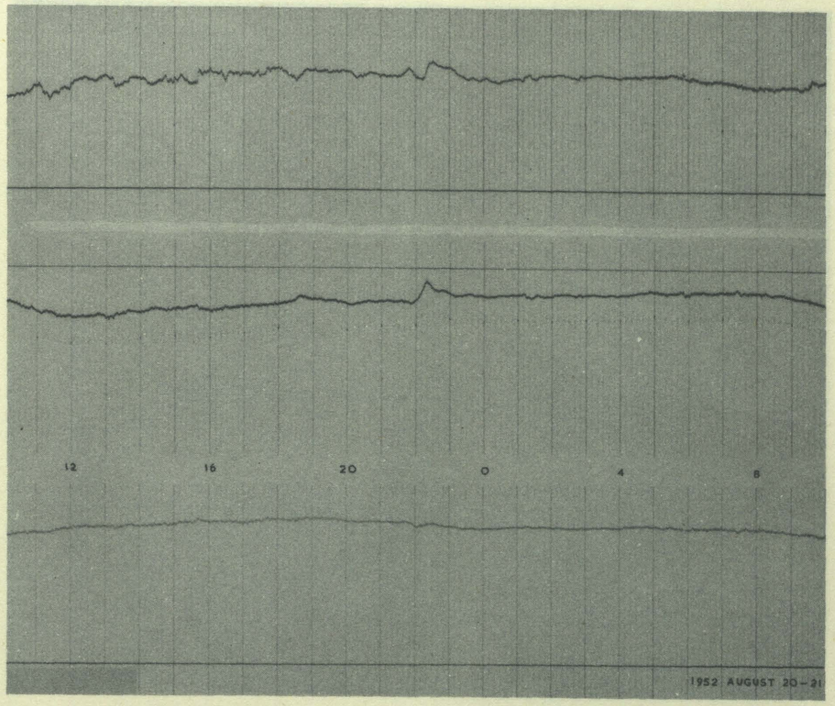
100γ
43050γ
1952 AUGUST 19 – 20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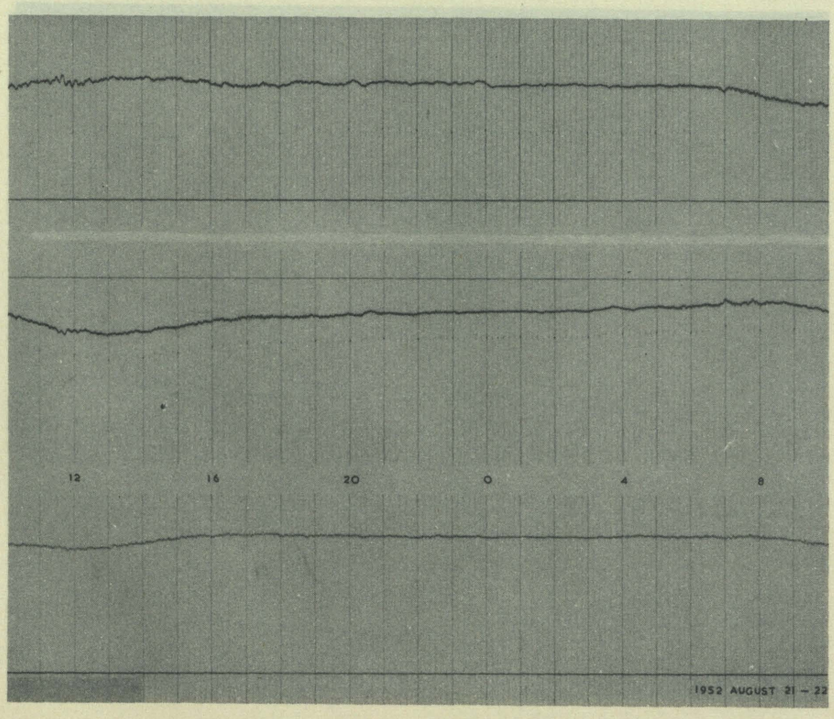
1952 AUGUST 20 – 21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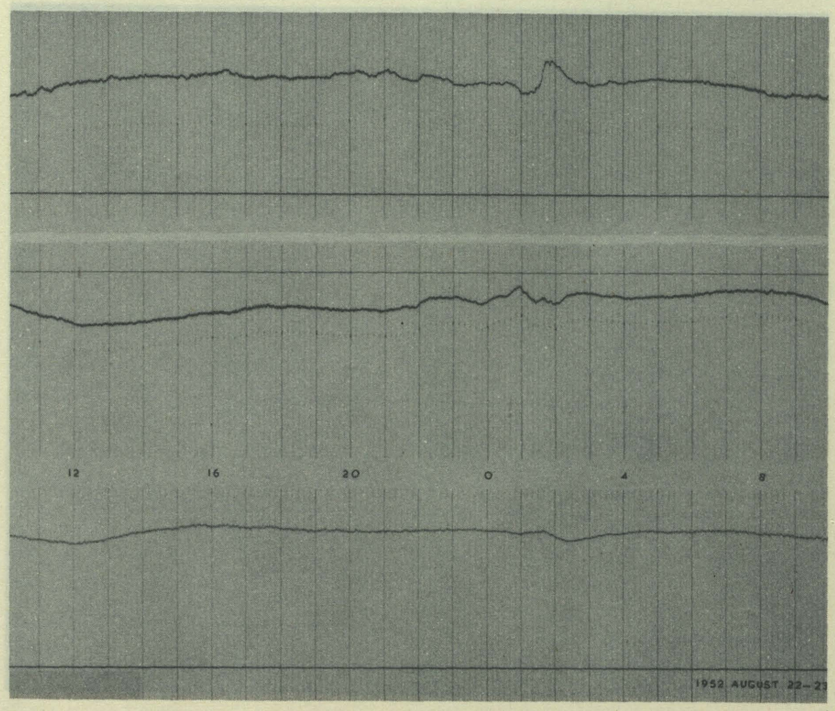
1952 AUGUST 21 – 22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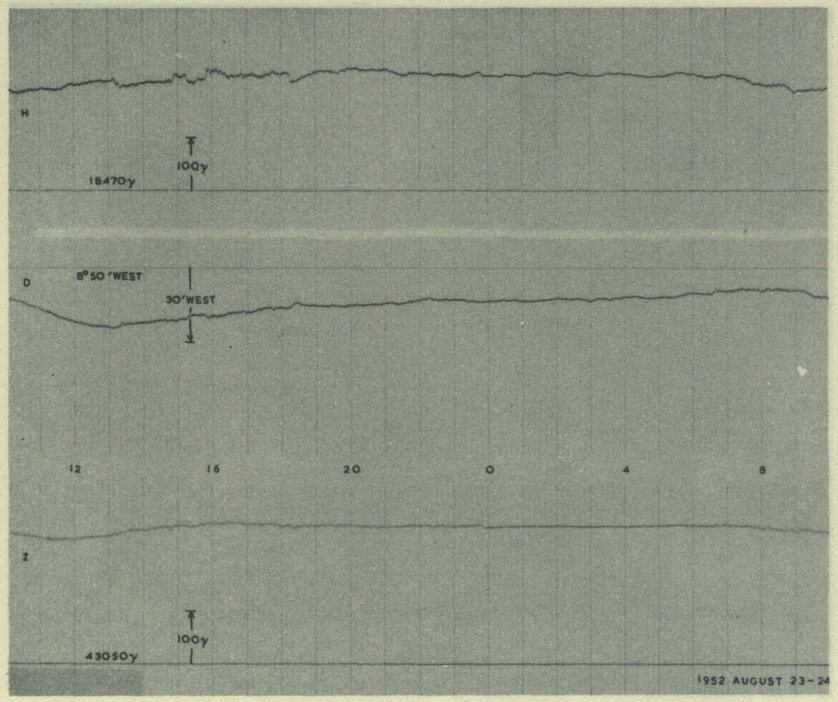
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18470γ
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D
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30' WEST
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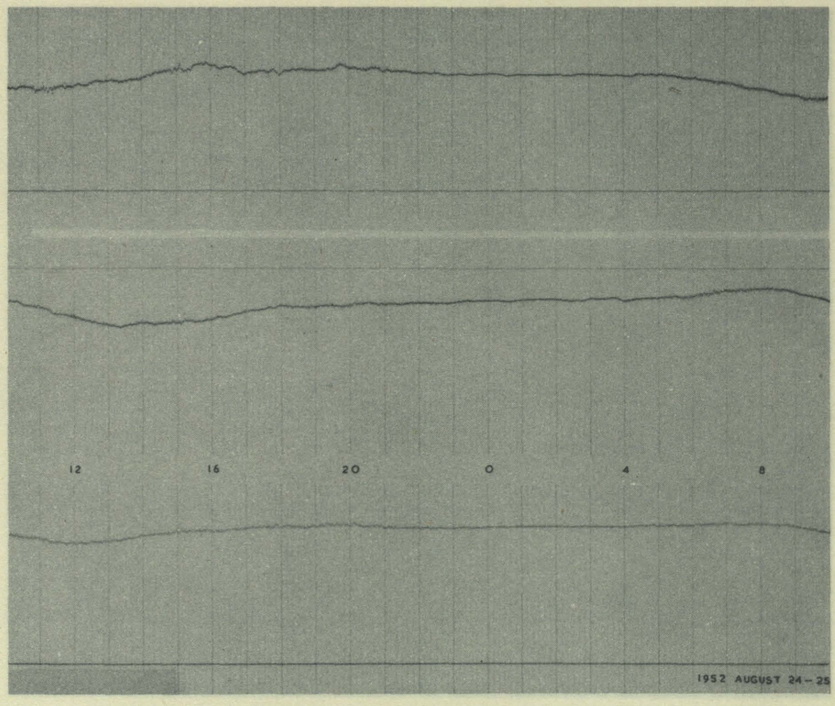
1952 AUGUST 23-24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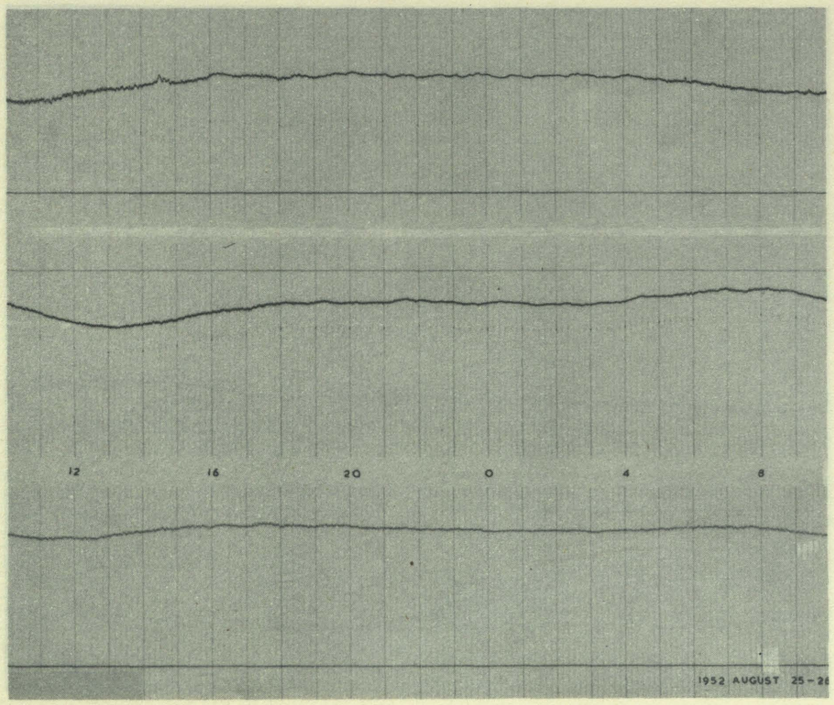
1952 AUGUST 24-25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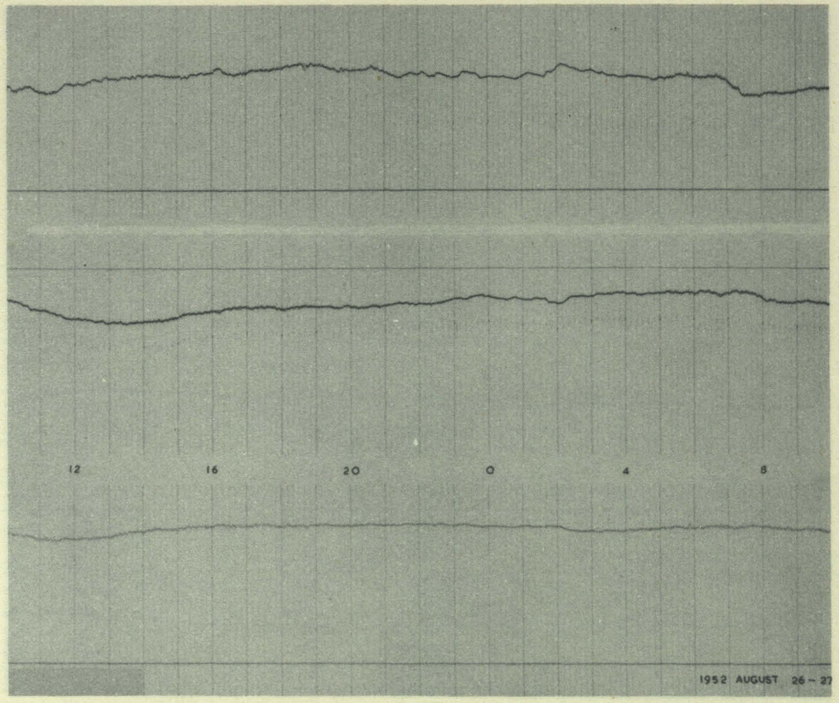
1952 AUGUST 25-26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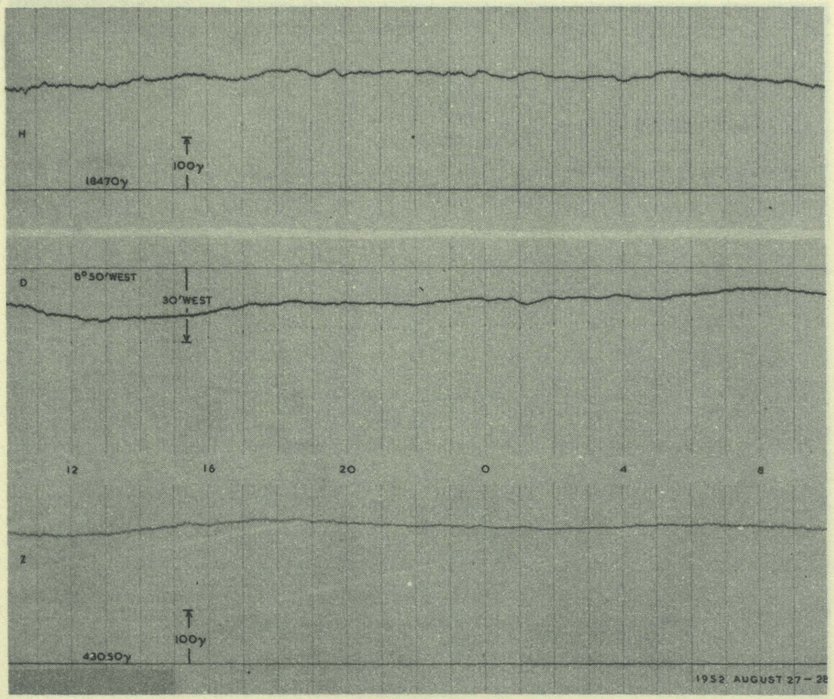
1952 AUGUST 26-27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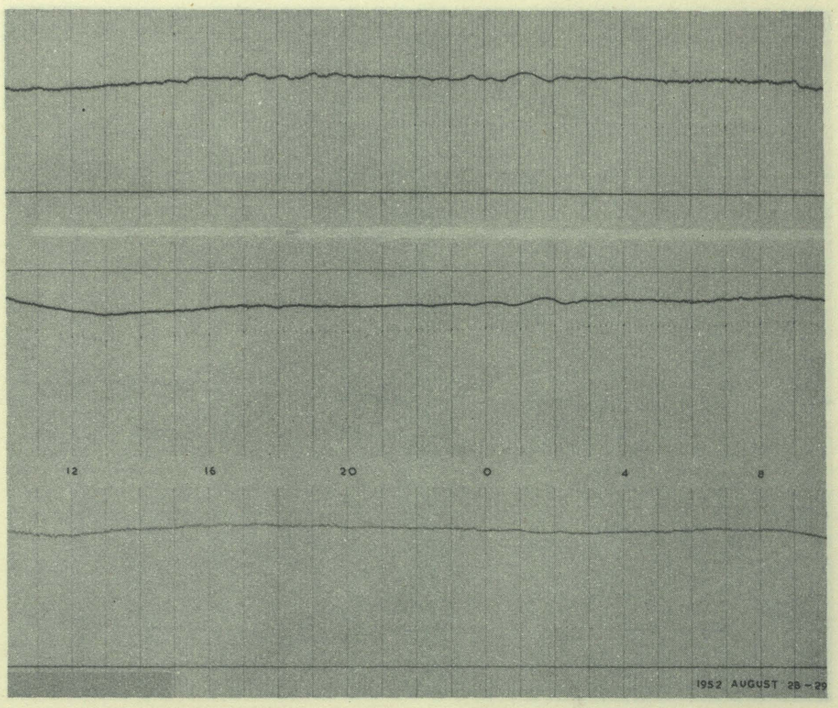
1952 AUGUST 27 – 28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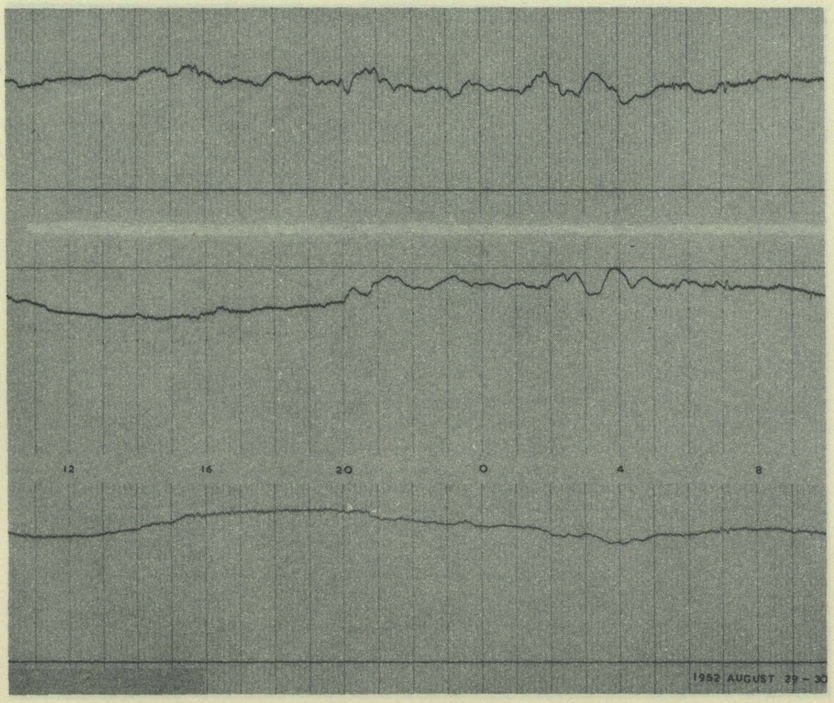
1952 AUGUST 28 – 29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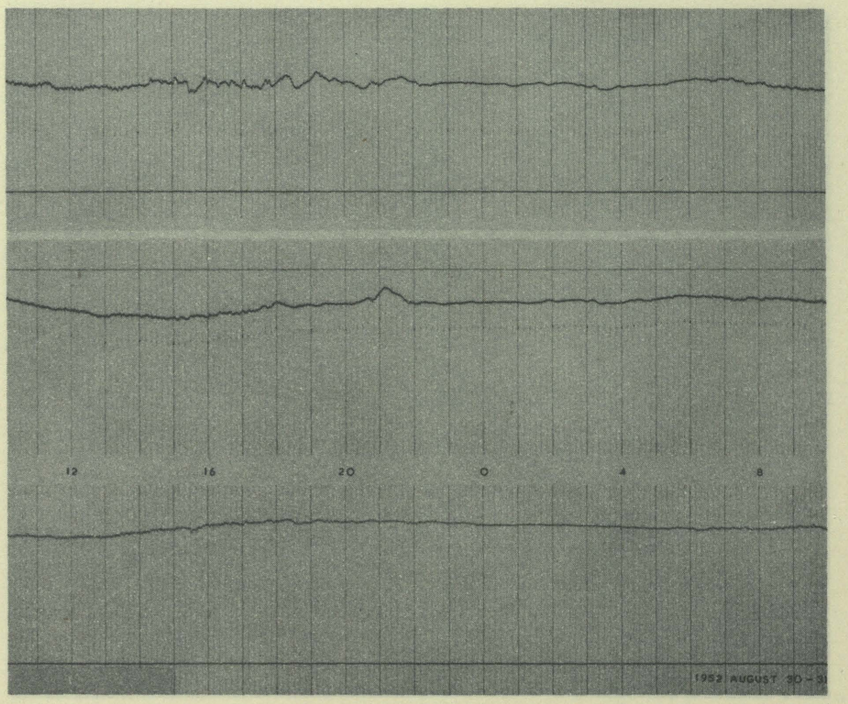
1952 AUGUST 29 – 30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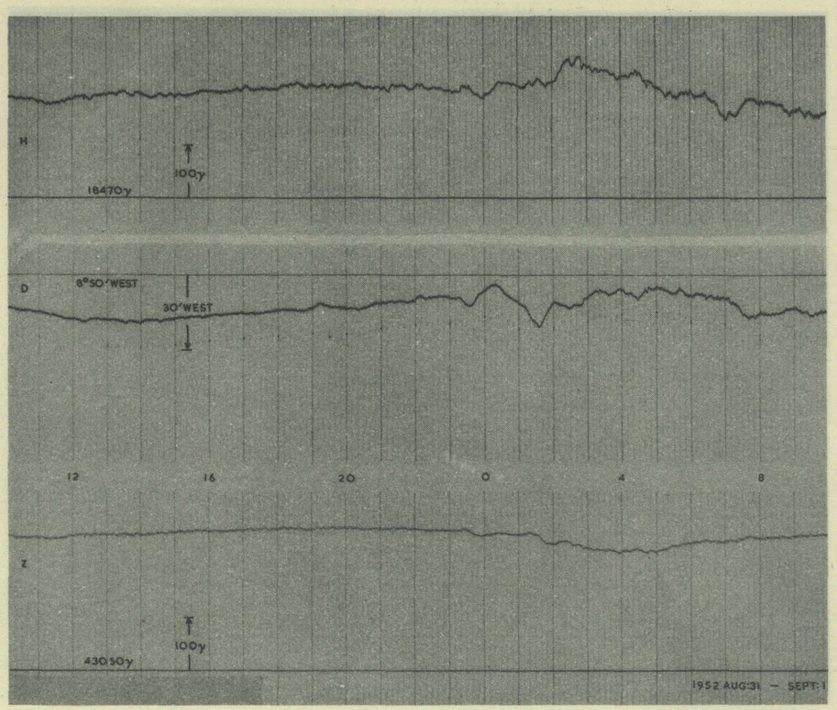
1952 AUGUST 30 – 31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30′WEST
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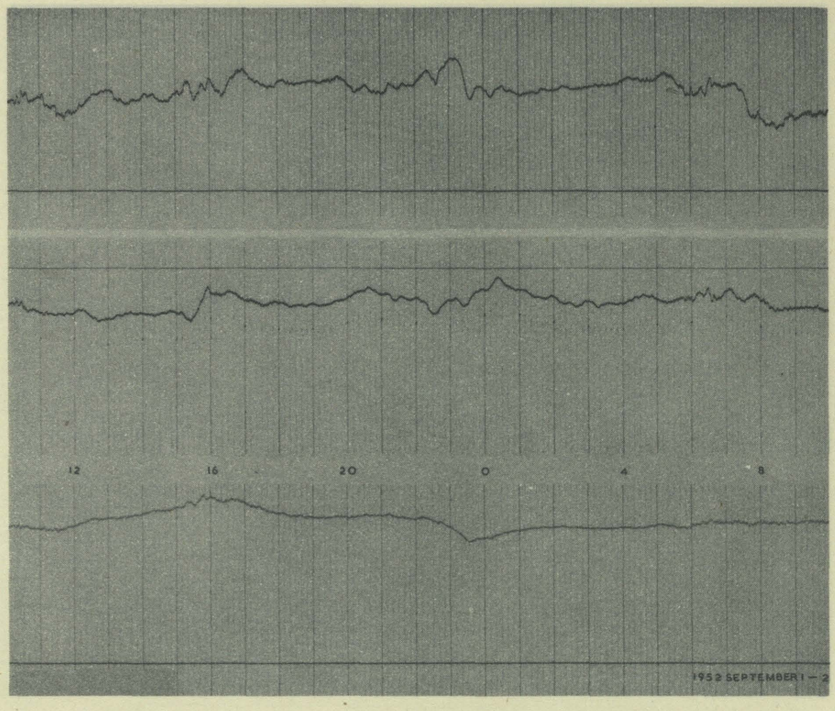
1952 AUG:31 — SEPT: 1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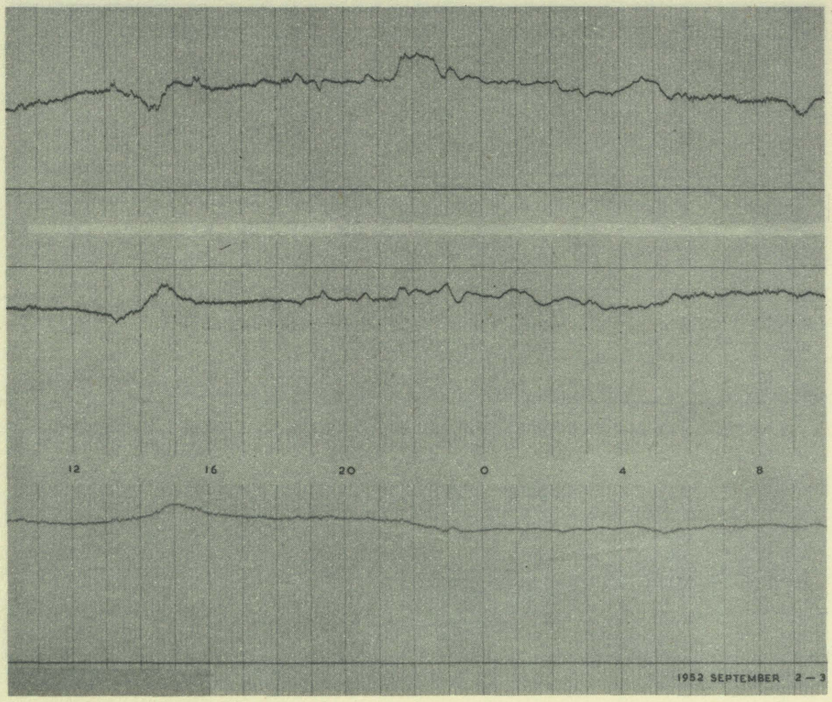
1952 SEPTEMBER 1 — 2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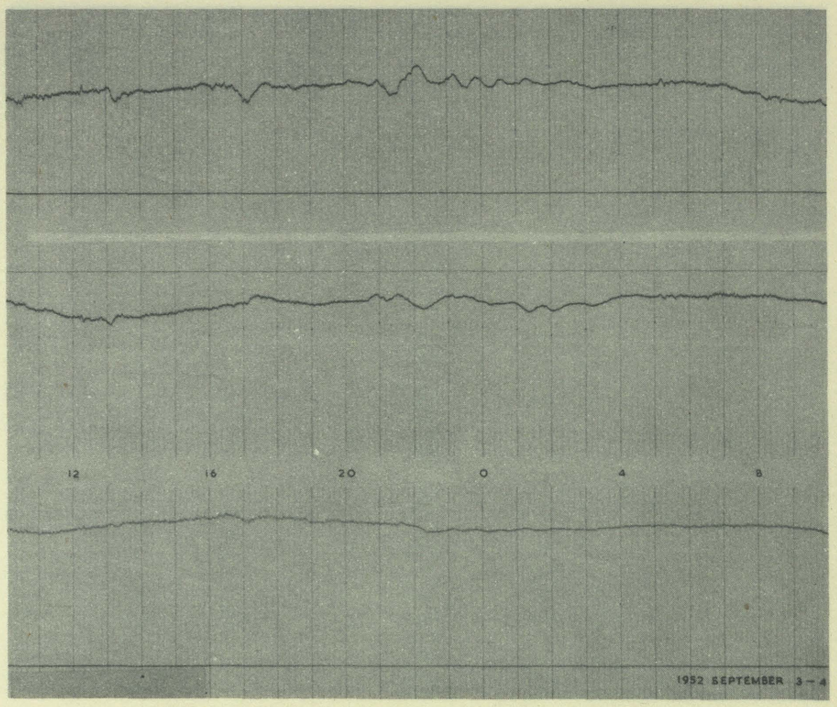
1952 SEPTEMBER 2 — 3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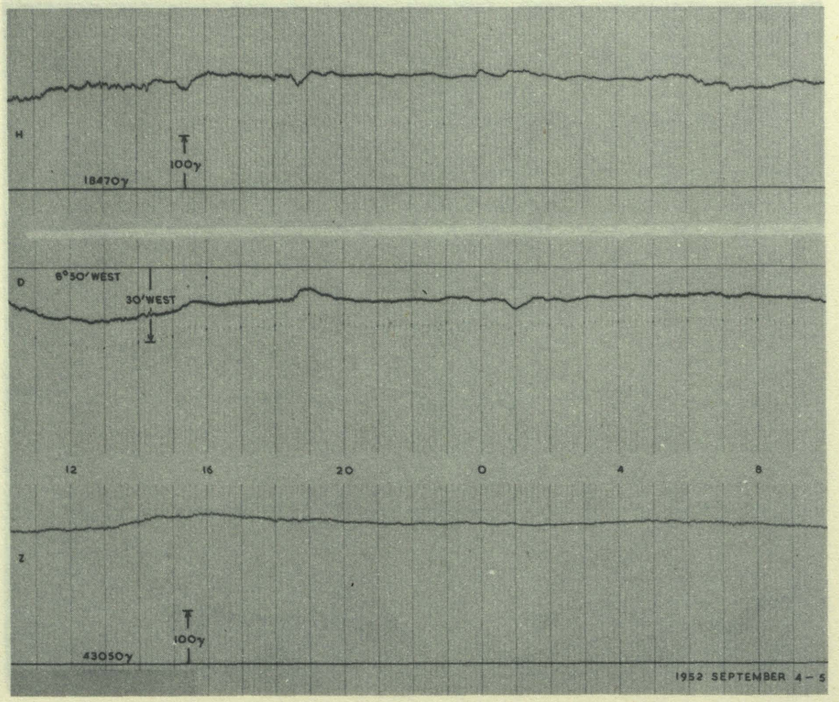
1952 SEPTEMBER 3 — 4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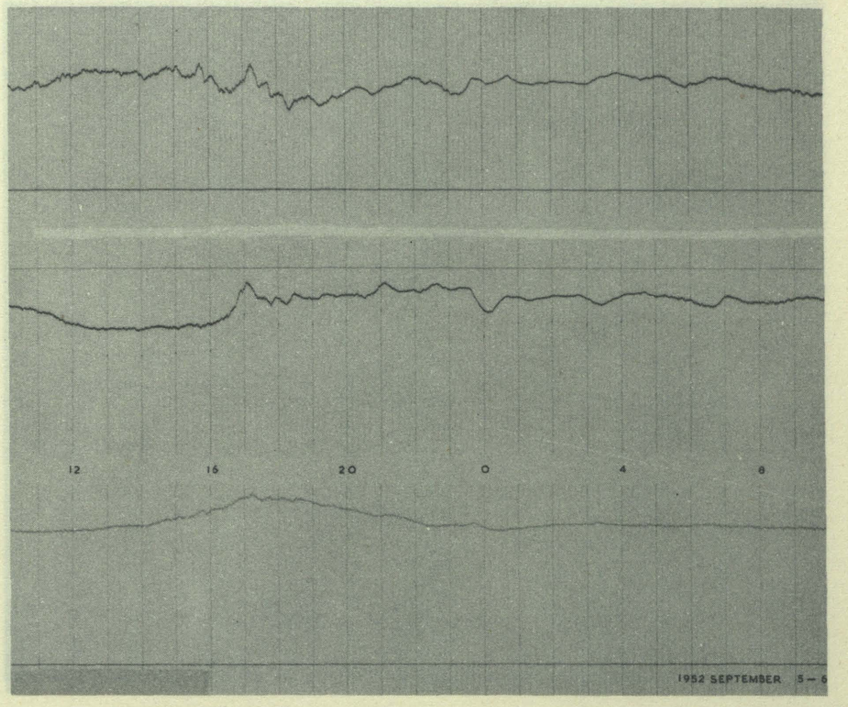
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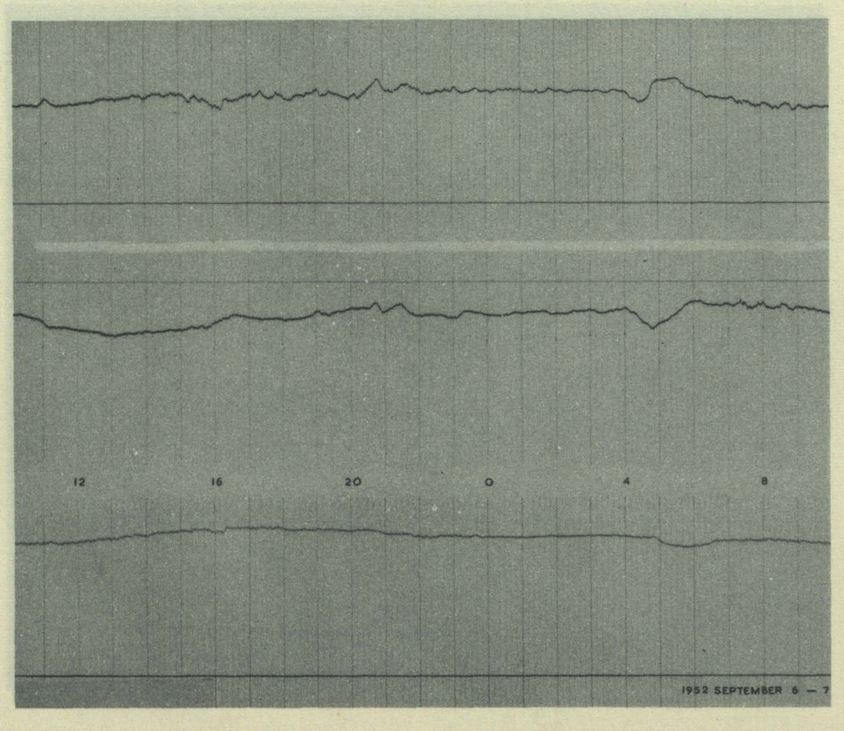
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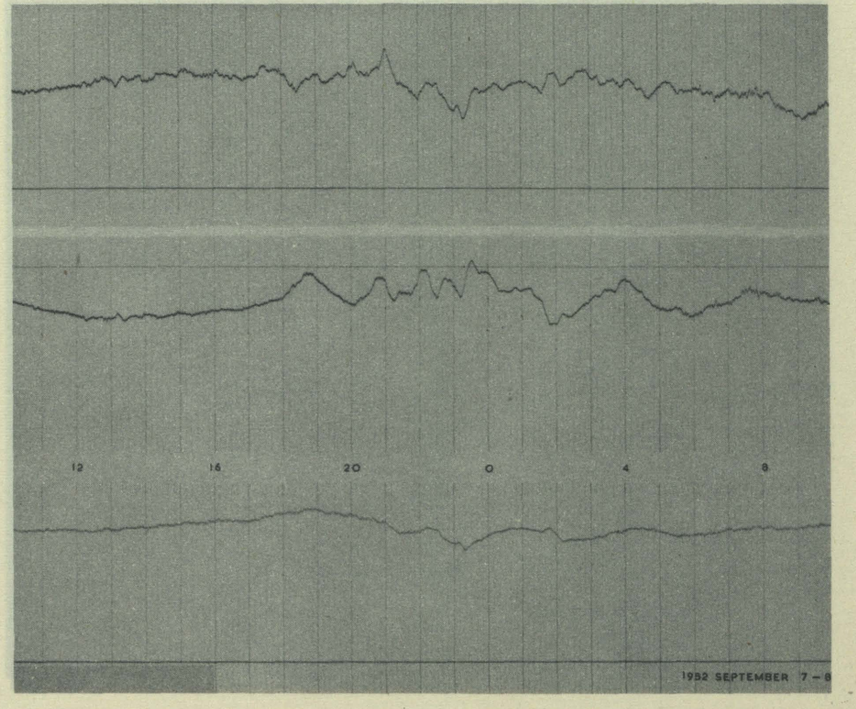
1952 SEPTEMBER 6 – 7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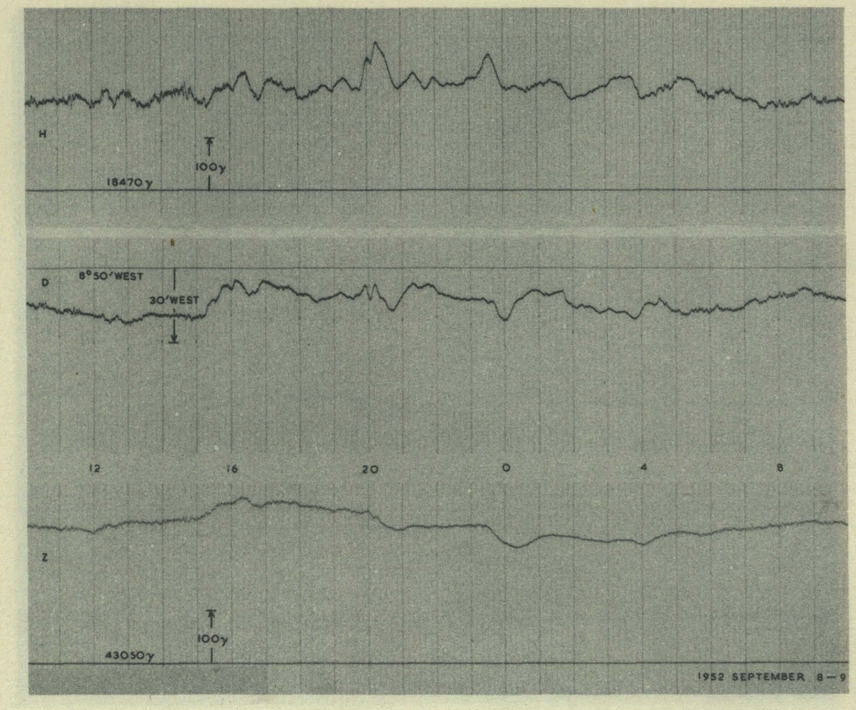
1952 SEPTEMBER 7 – 8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D
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30'WEST
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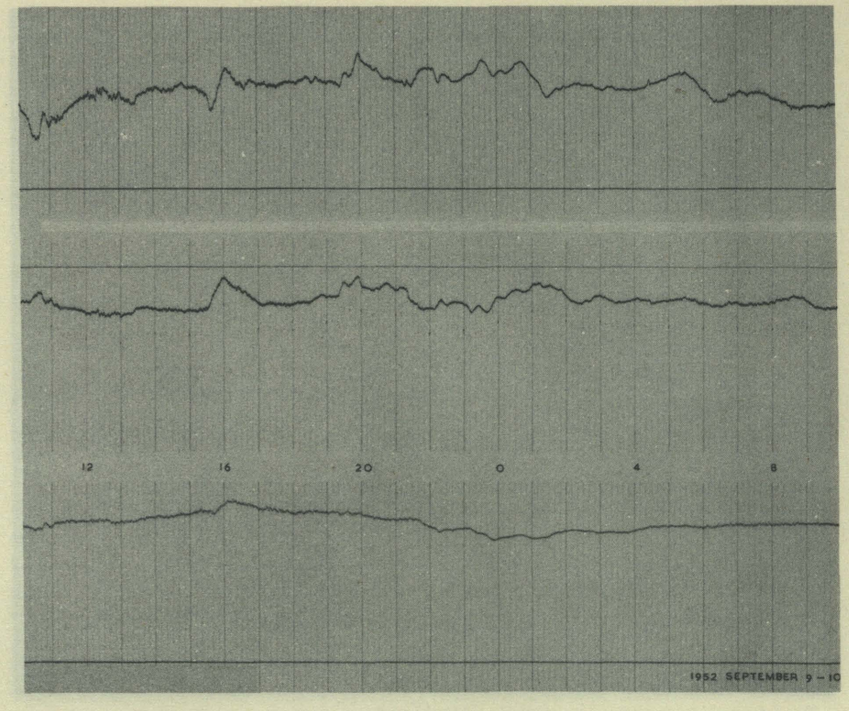
1952 SEPTEMBER 8 – 9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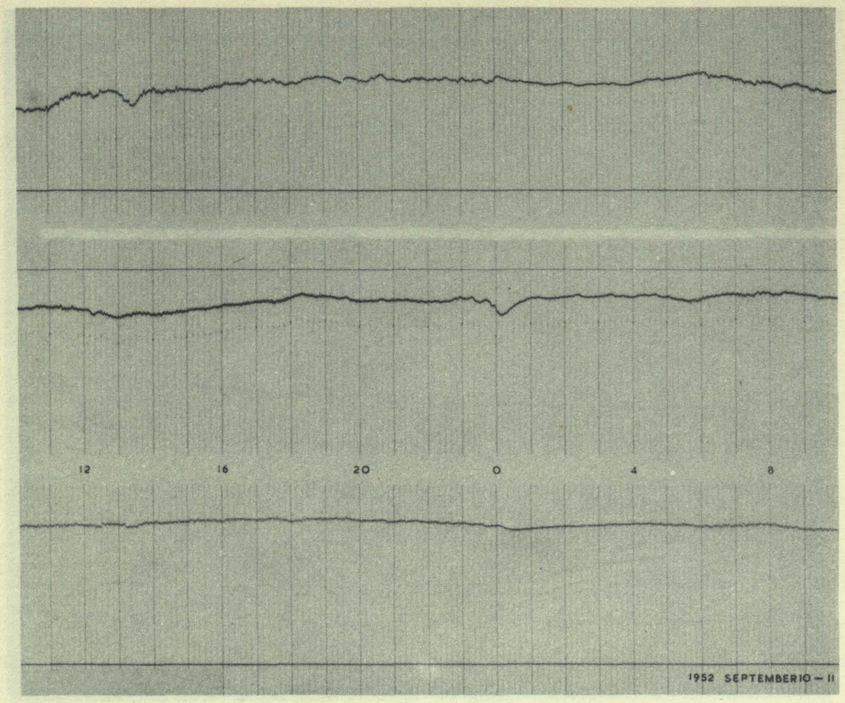
1952 SEPTEMBER 9 – 10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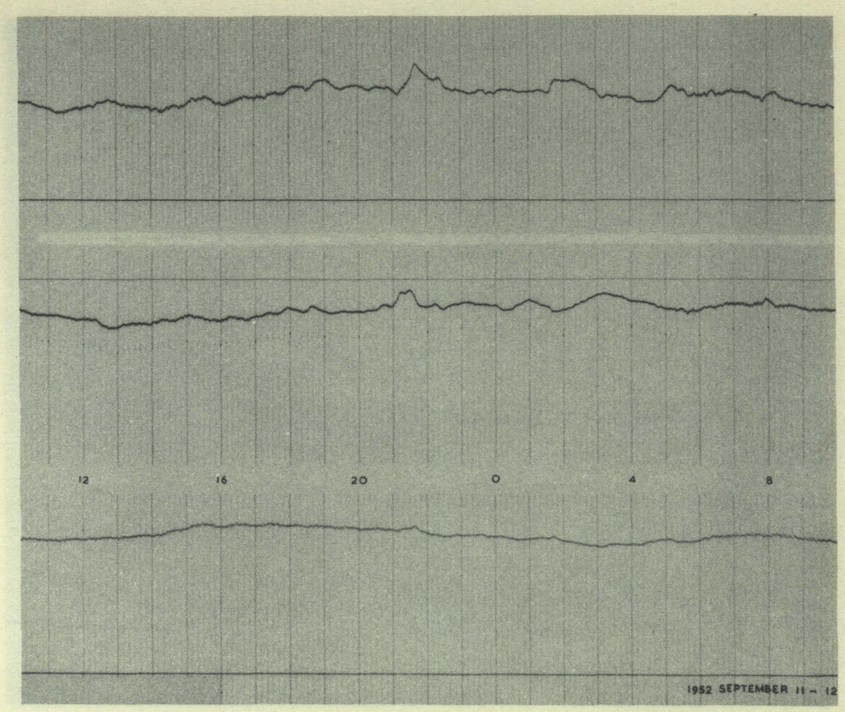
1952 SEPTEMBER 10 – 11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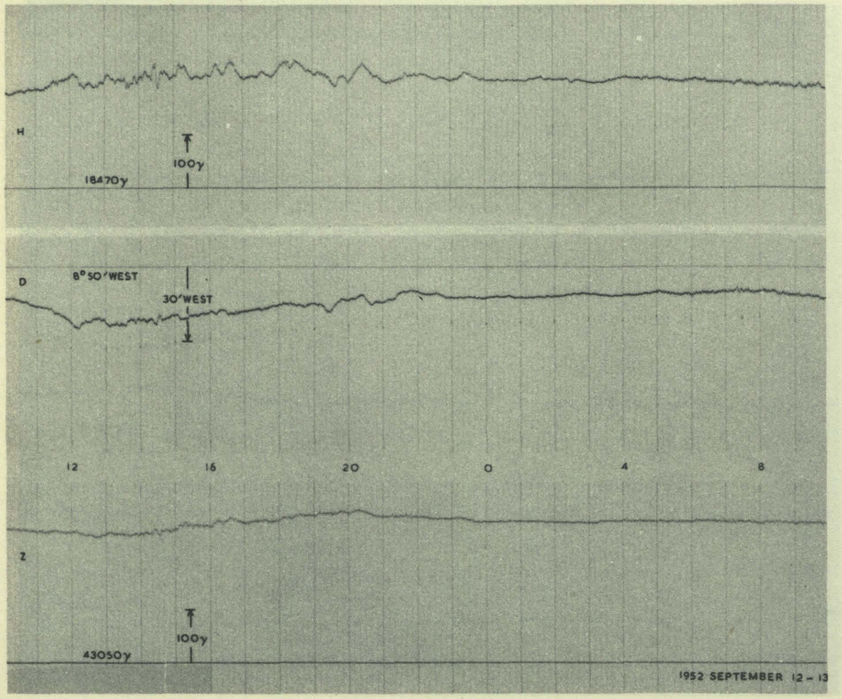
1952 SEPTEMBER 11 – 12


H
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D
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30′WEST
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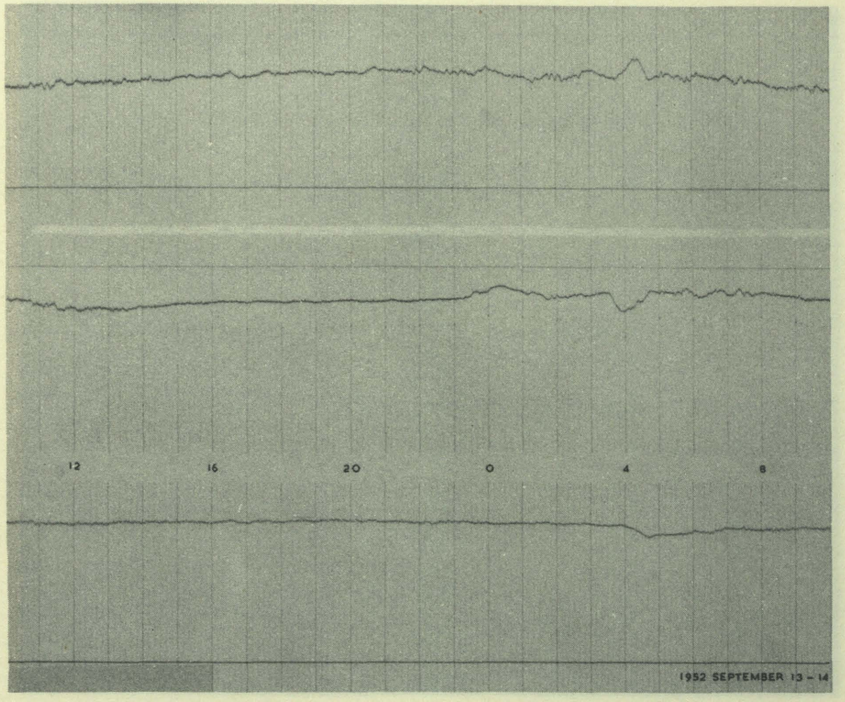
43050γ
1952 SEPTEMBER 12 – 13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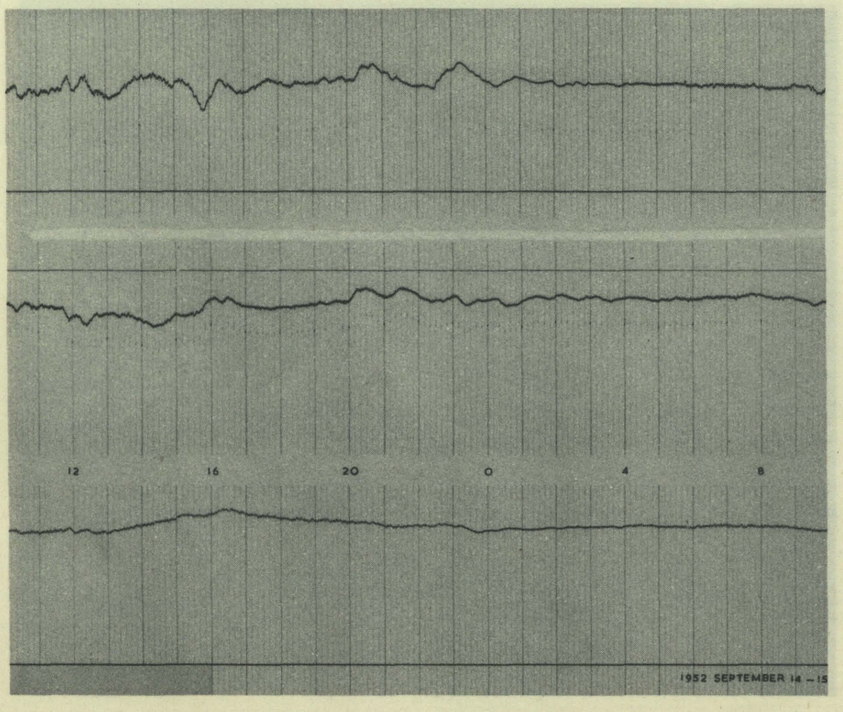
1952 SEPTEMBER 13 – 14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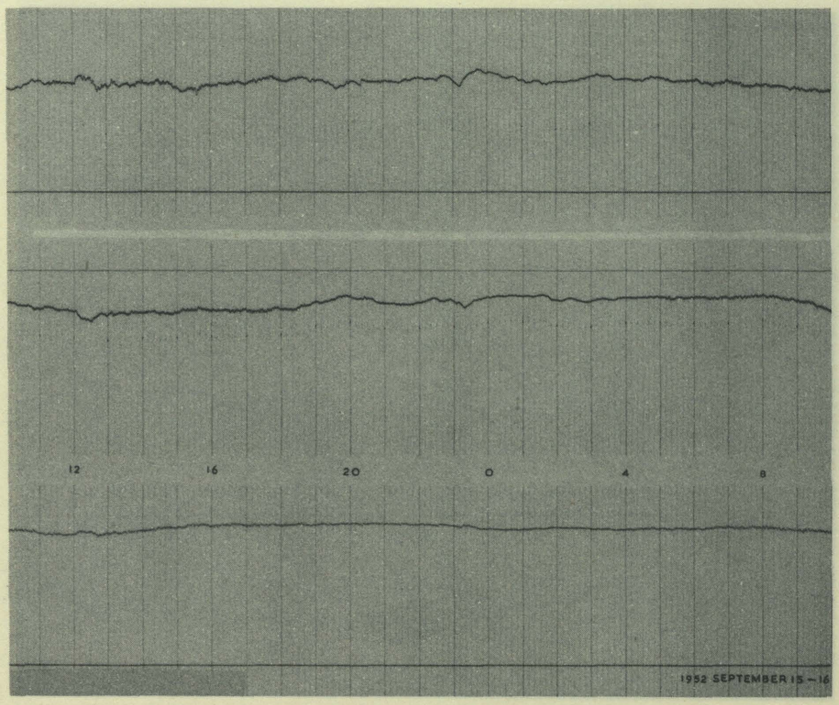
1952 SEPTEMBER 14 – 15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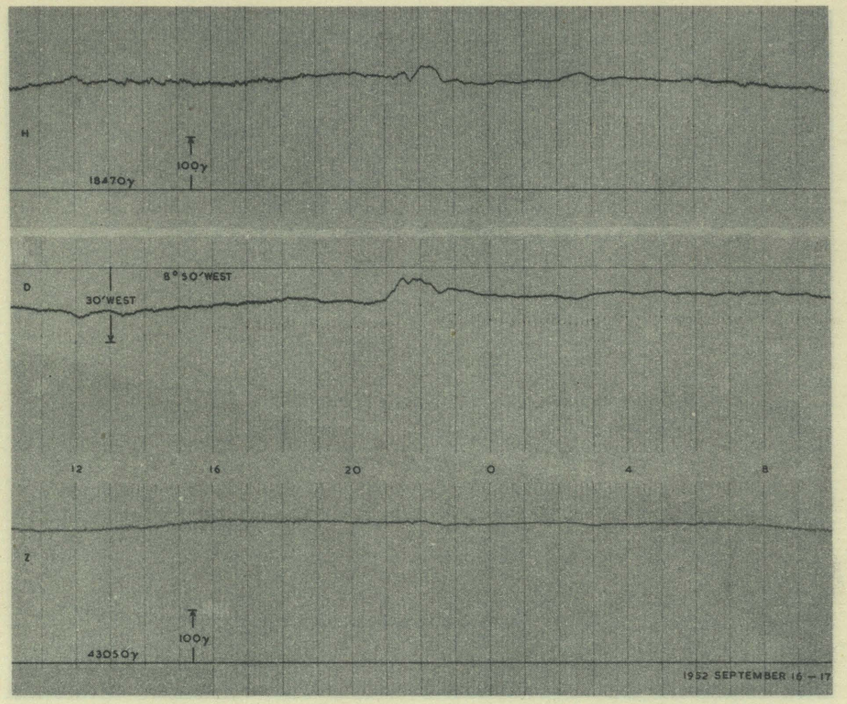
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8° 30′ WEST
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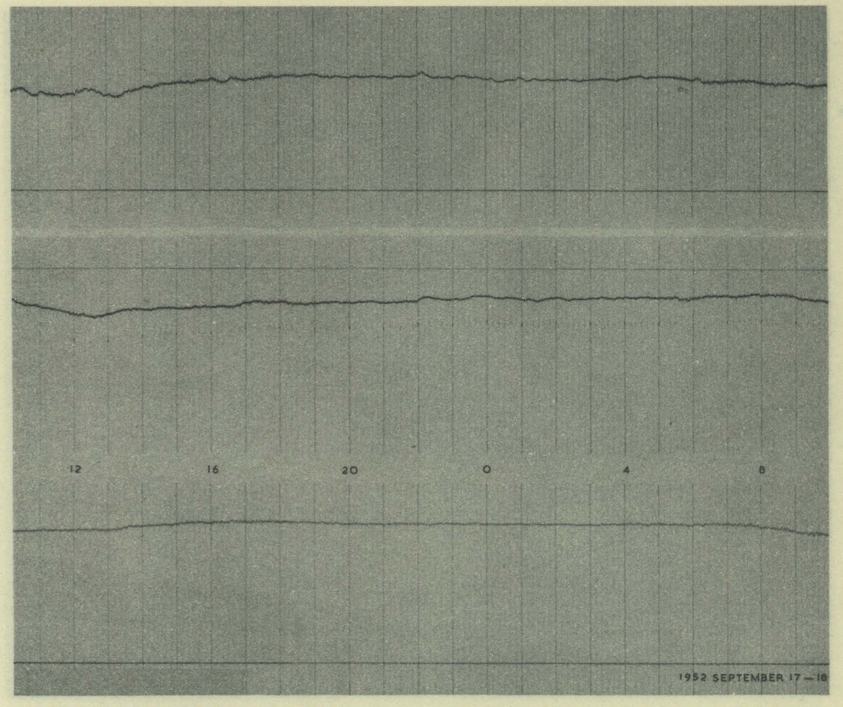
1952 SEPTEMBER 16 — 17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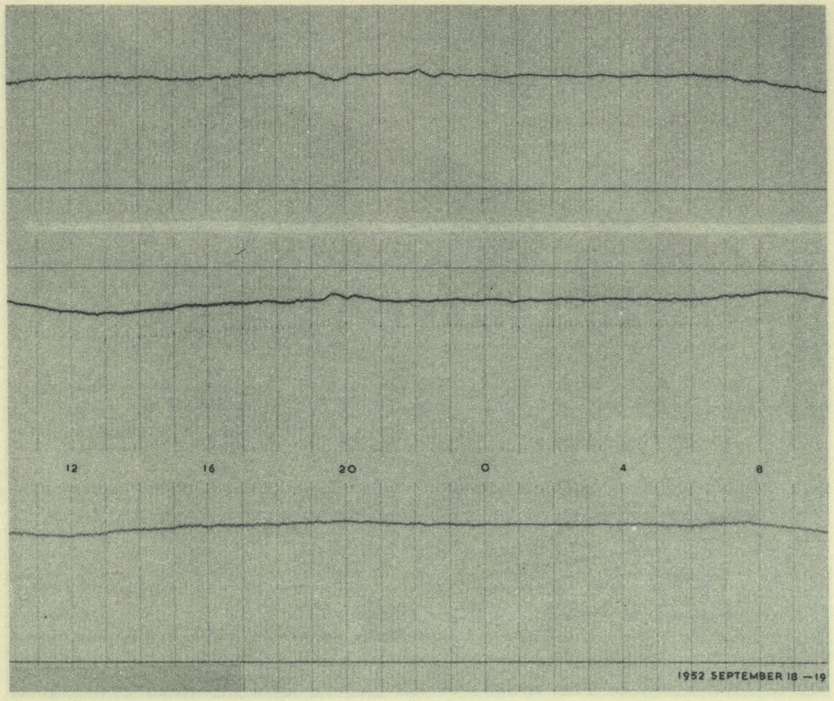
1952 SEPTEMBER 17 — 18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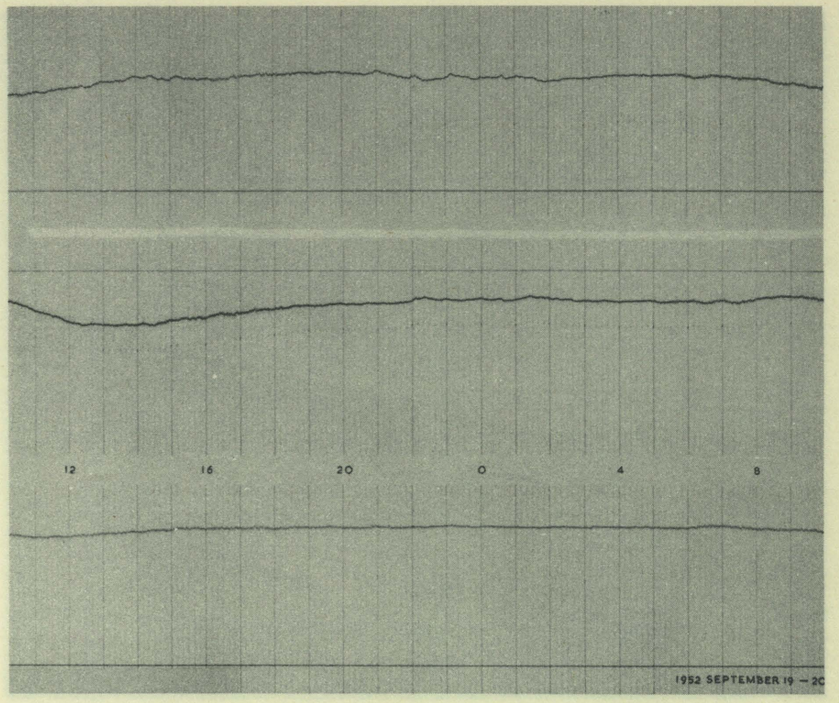
1952 SEPTEMBER 18 — 19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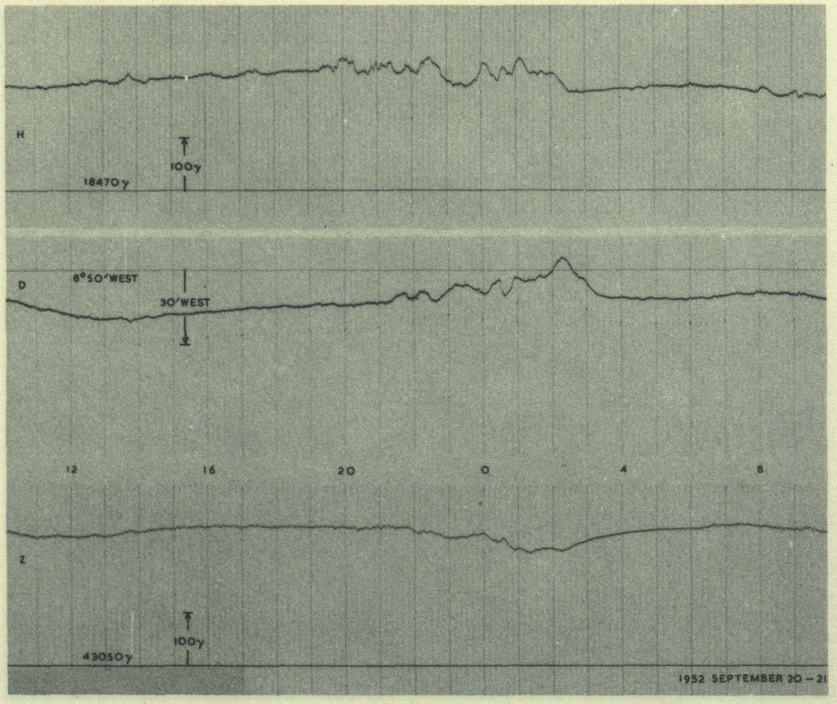
1952 SEPTEMBER 19 — 20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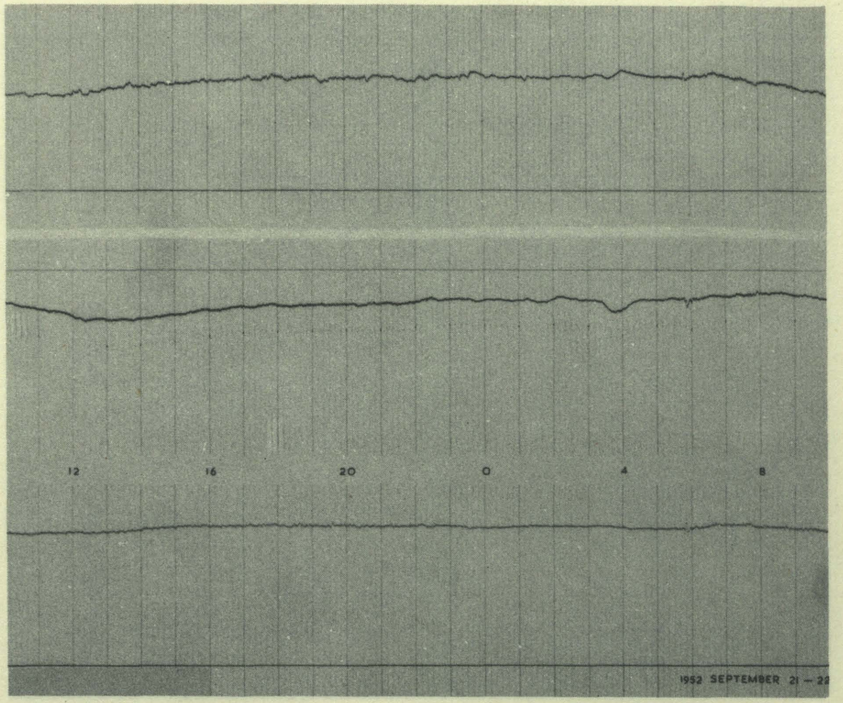
1952 SEPTEMBER 20 – 21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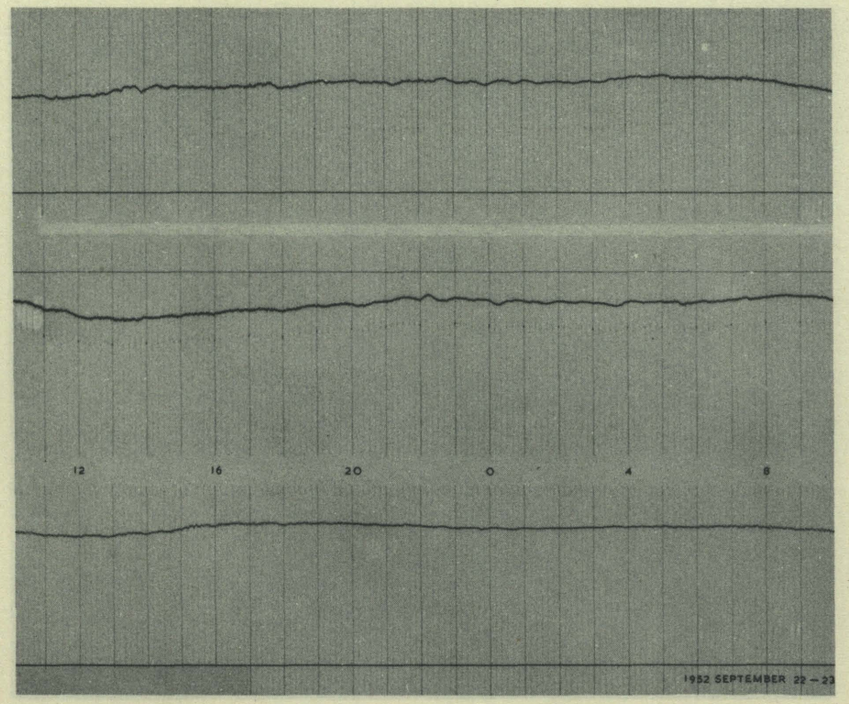
1952 SEPTEMBER 21 – 22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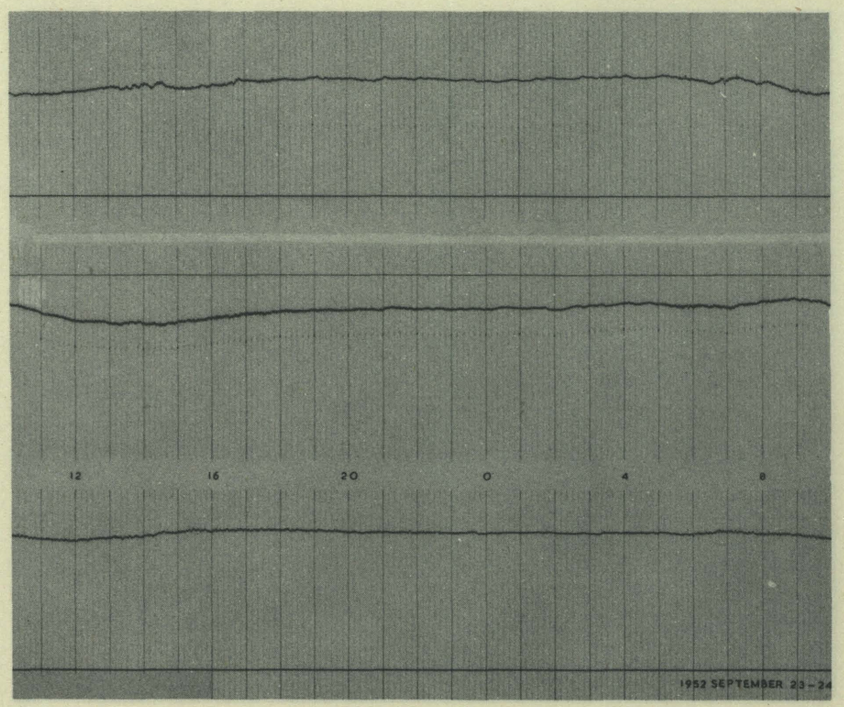
1952 SEPTEMBER 22 – 23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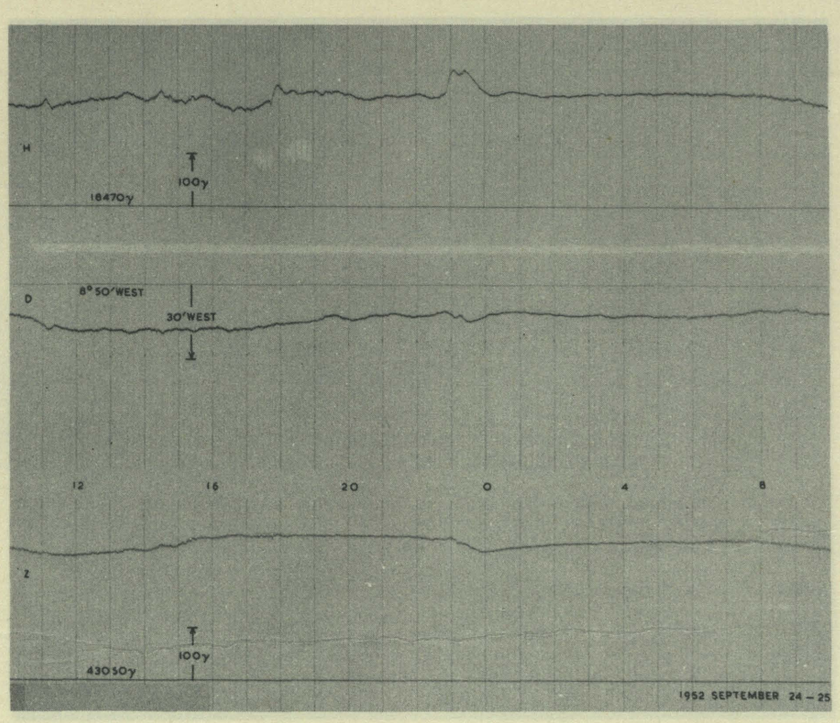
1952 SEPTEMBER 23 – 24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30' WEST
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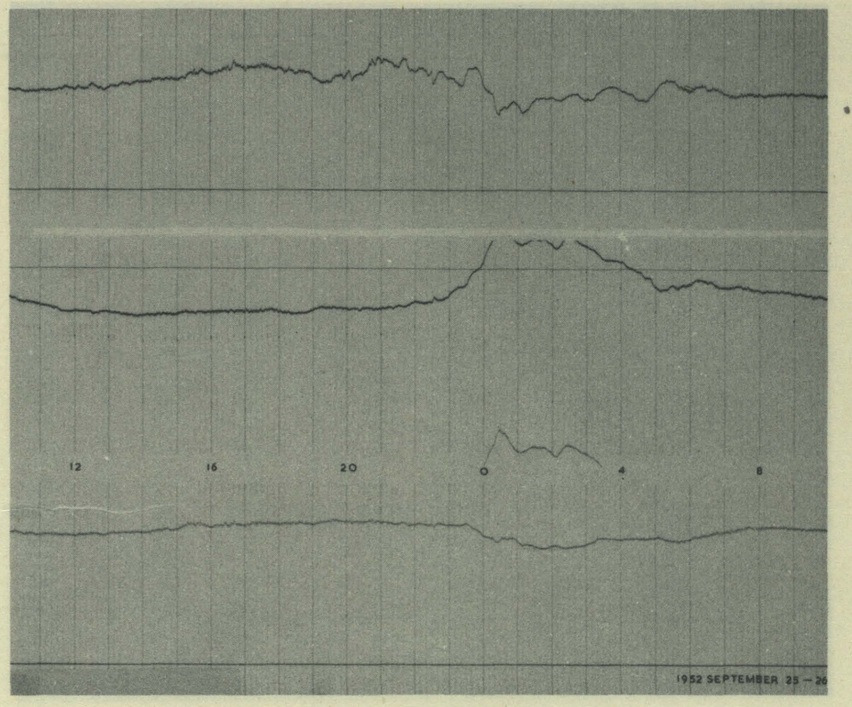
1952 SEPTEMBER 24 – 25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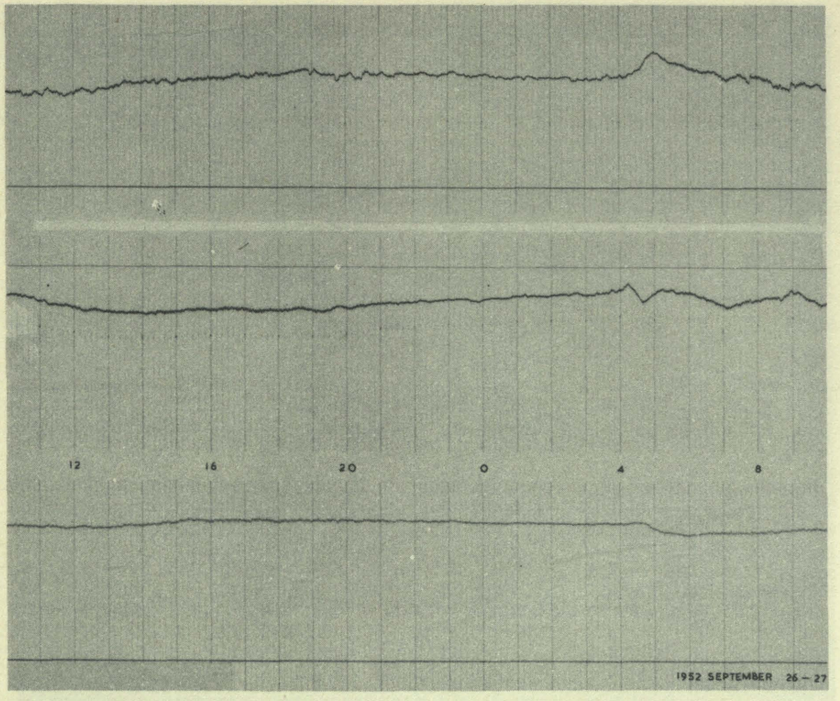
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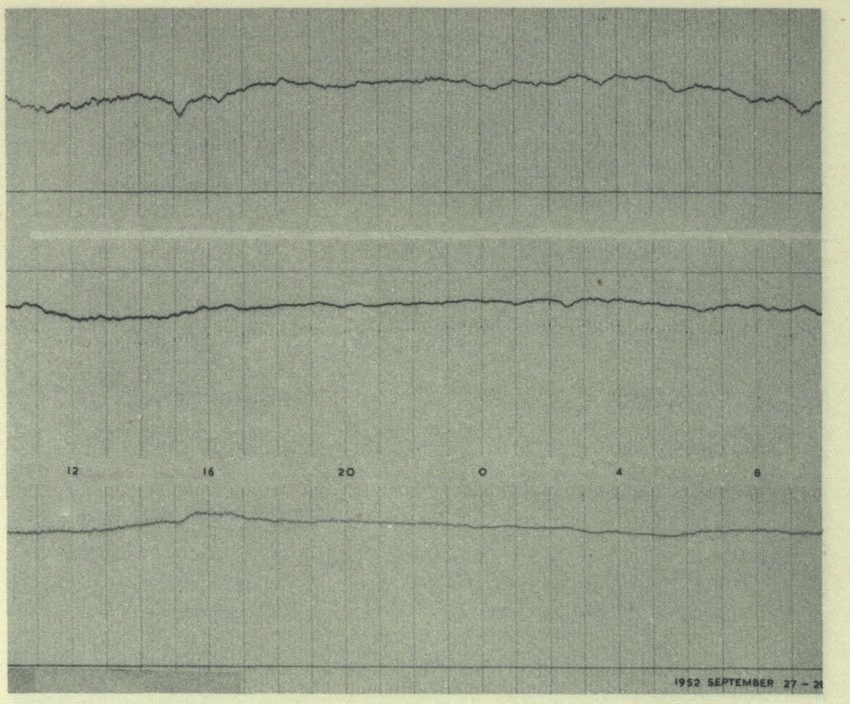
1952 SEPTEMBER 26 – 27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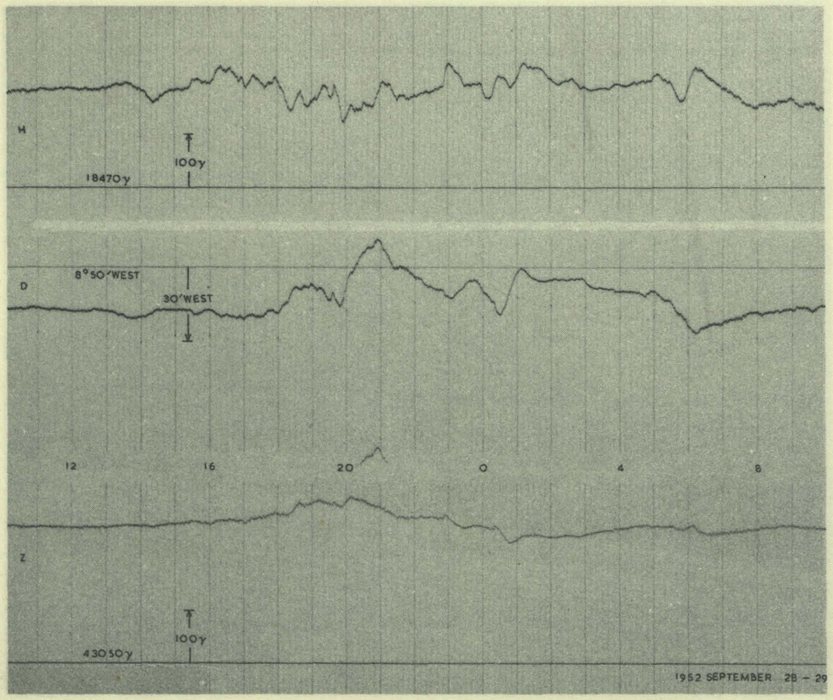
1952 SEPTEMBER 27 – 28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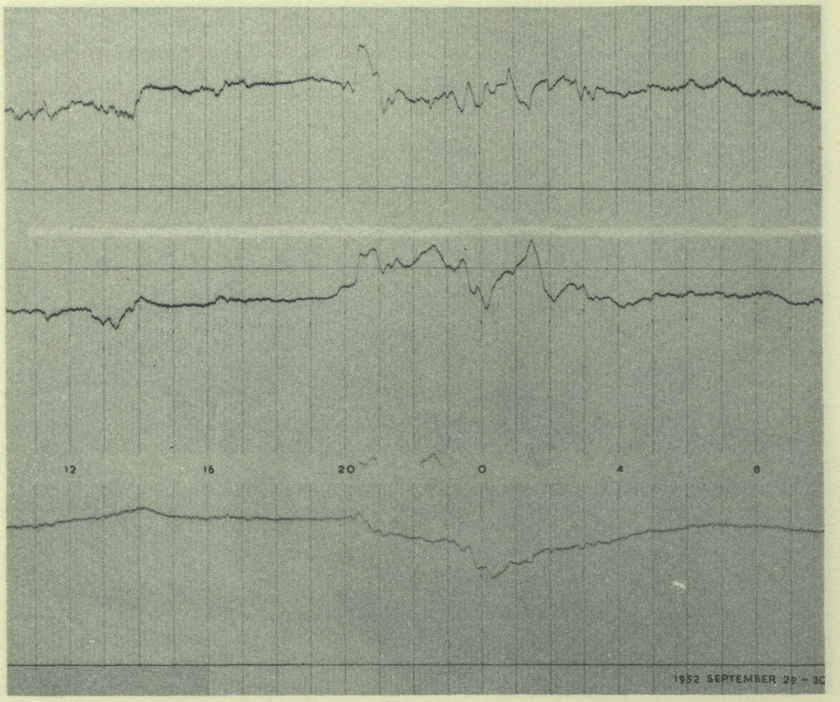
1952 SEPTEMBER 28 – 29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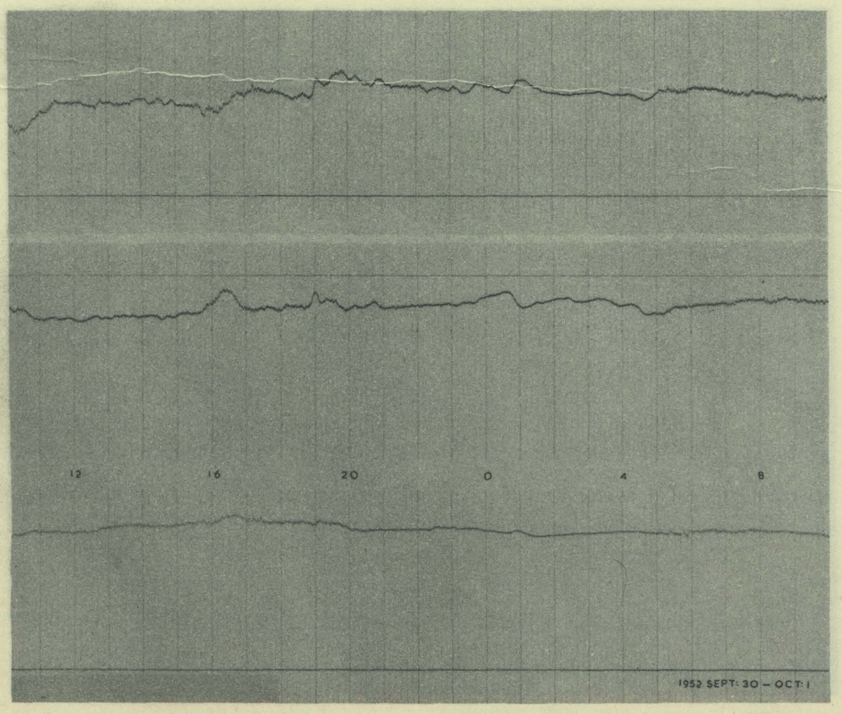
1952 SEPTEMBER 29 – 30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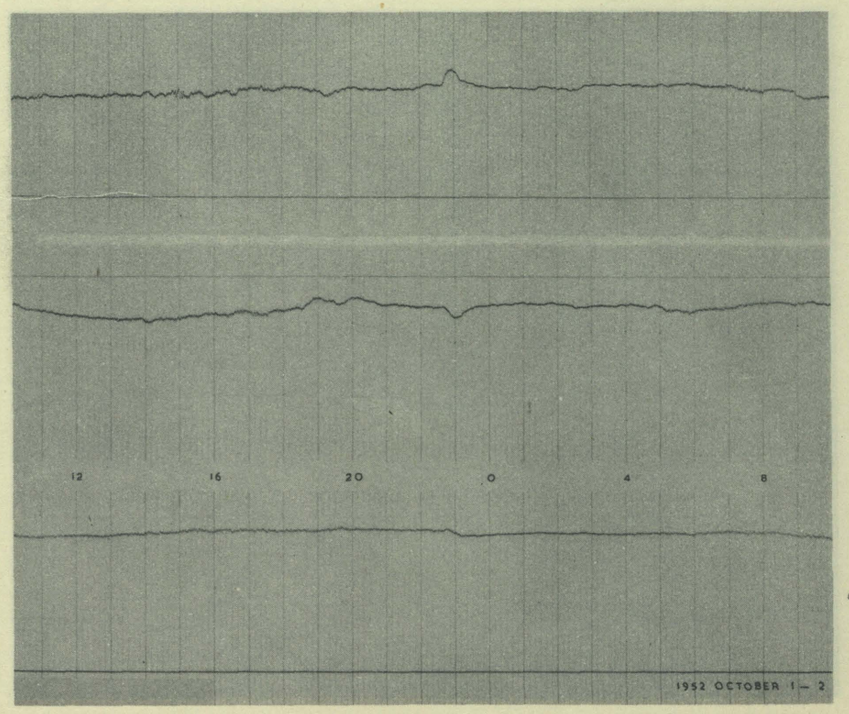
1952 SEPT. 30 – OCT. 1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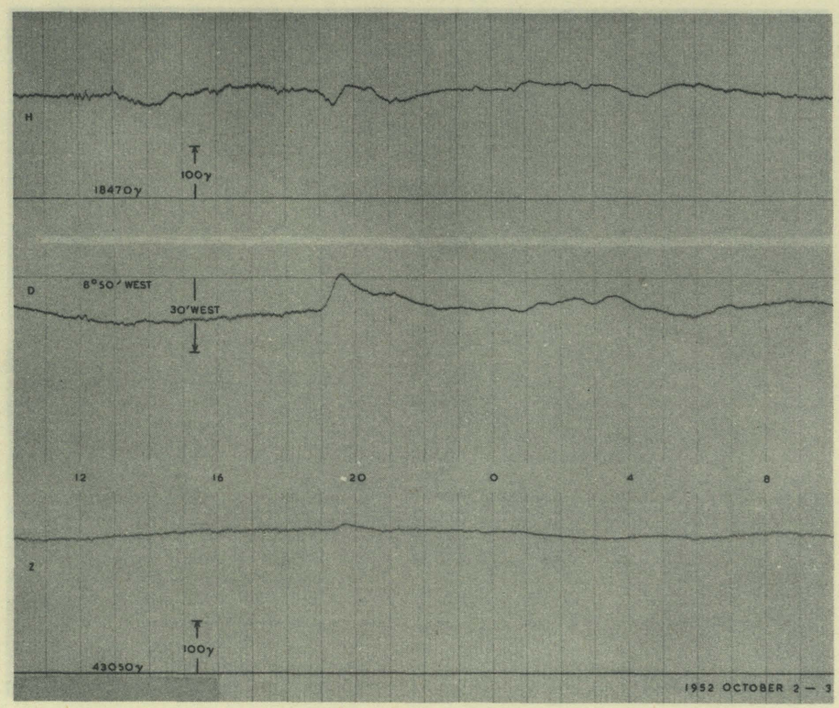
1952 OCTOBER 1 – 2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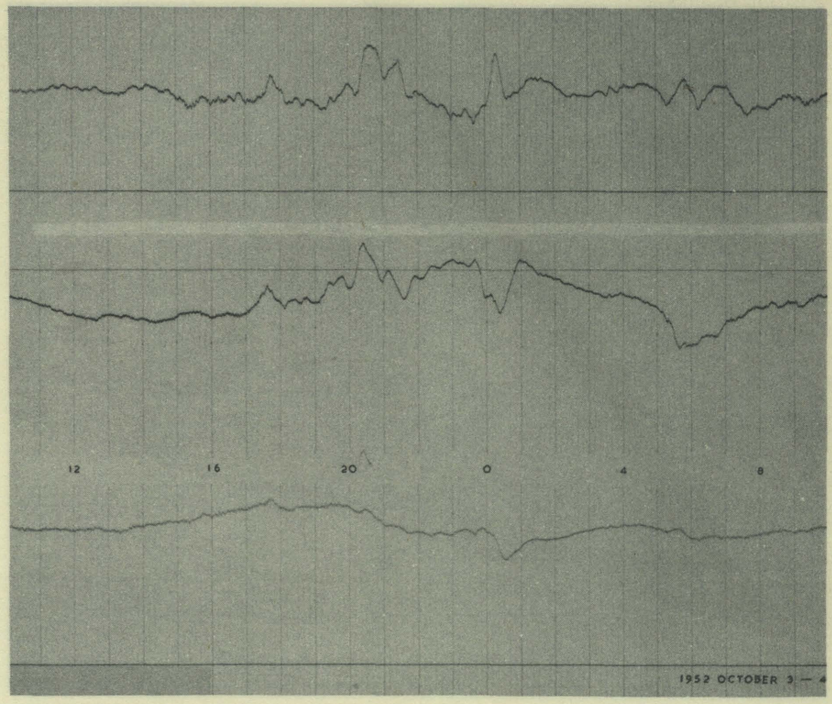
1952 OCTOBER 2 — 3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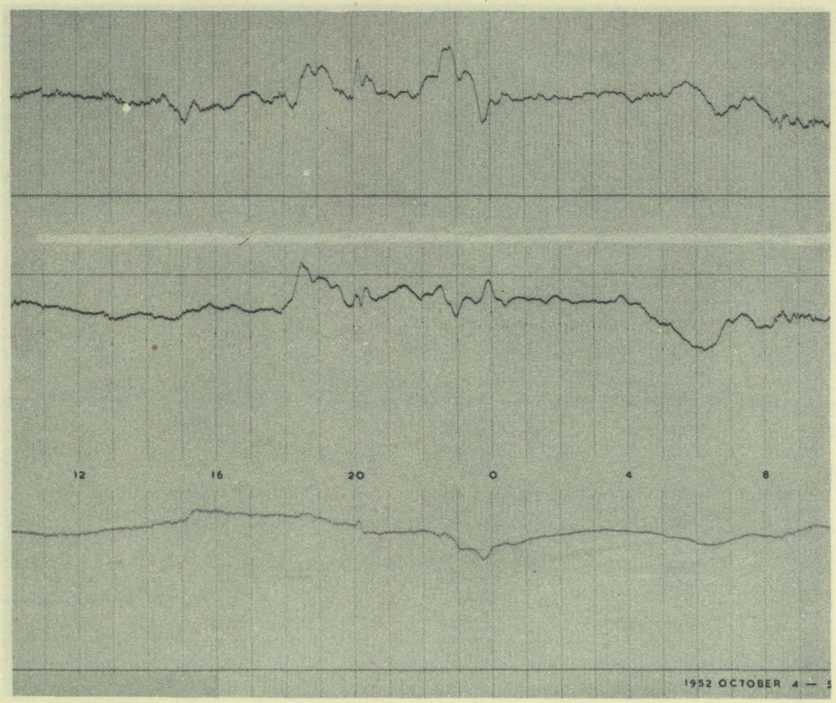
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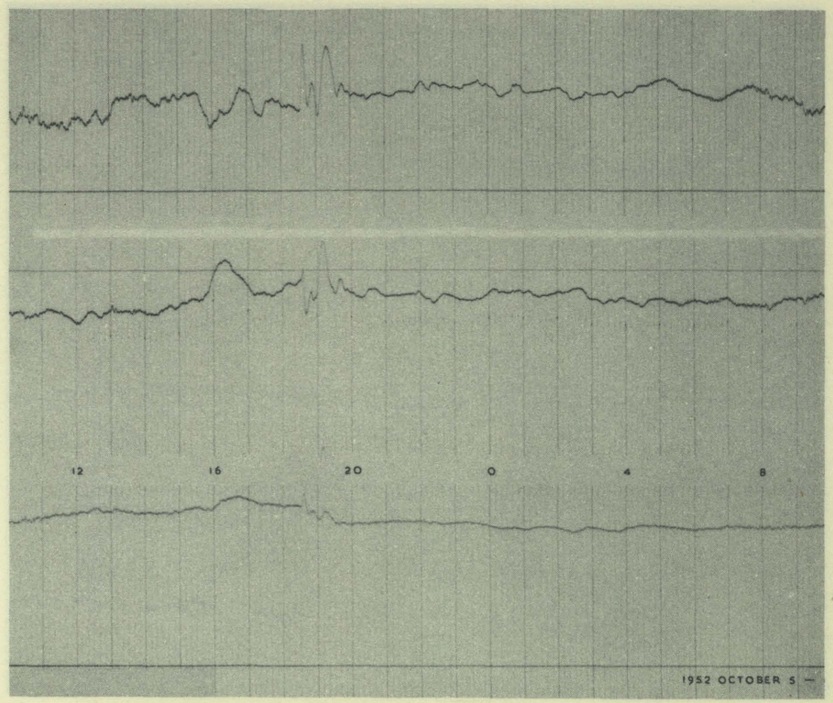
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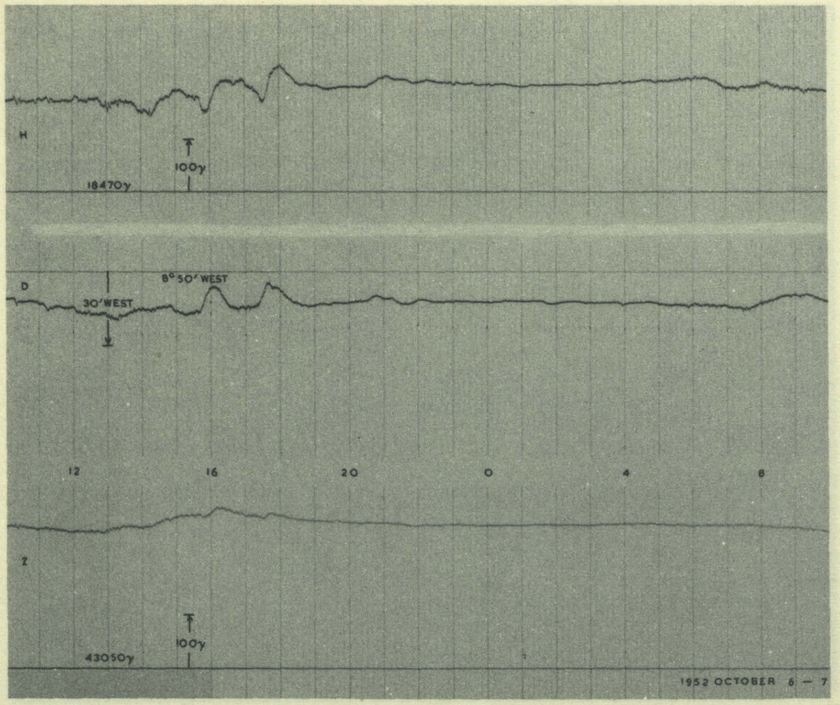
1952 OCTOBER 5 —


H
100γ
18470γ
D
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30′ WEST
12
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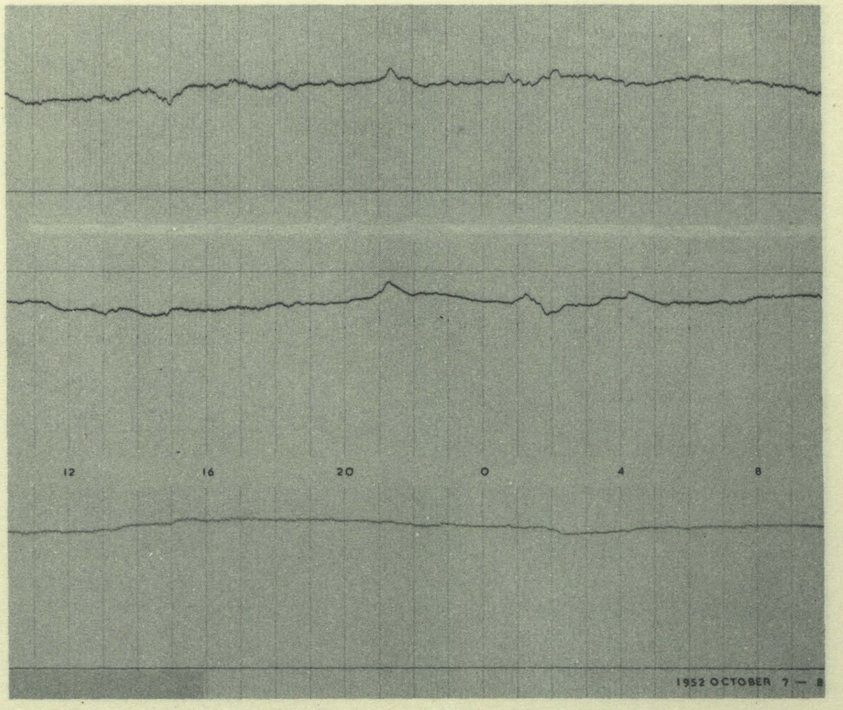
100γ
43050γ
1952 OCTOBER 6 — 7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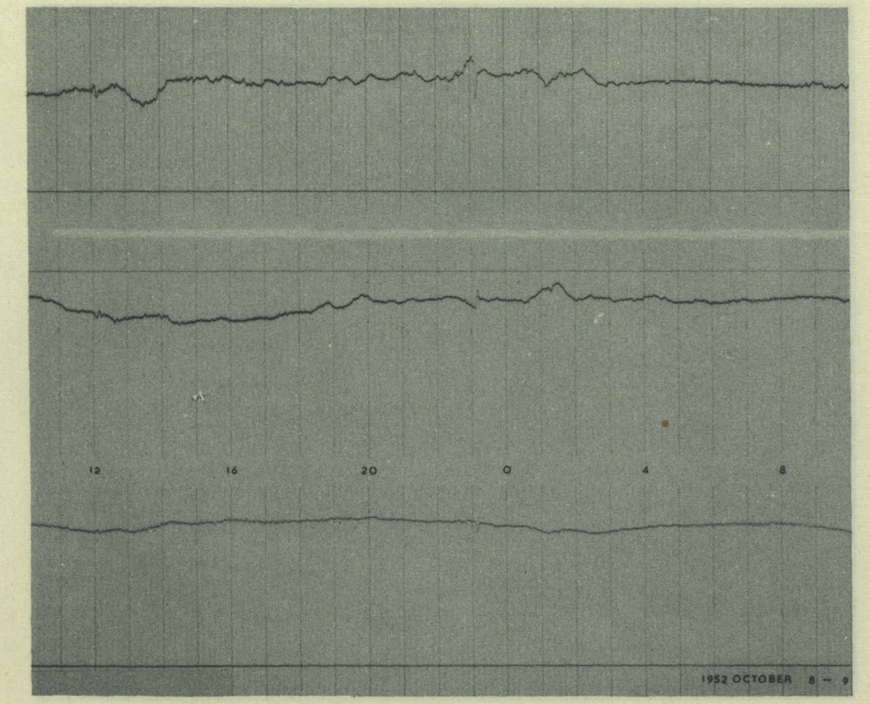
1952 OCTOBER 7 — 8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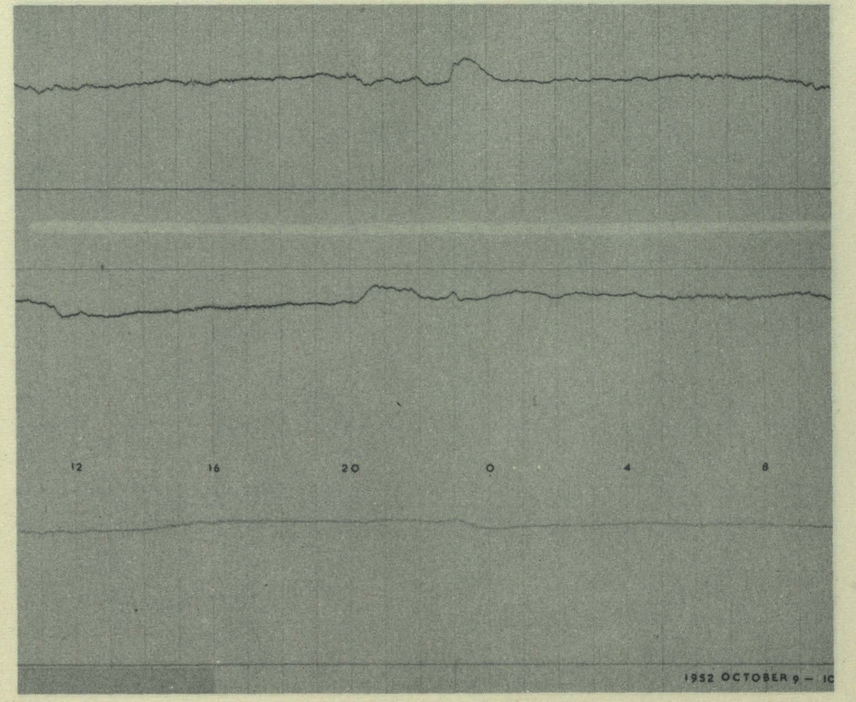
1952 OCTOBER 8 — 9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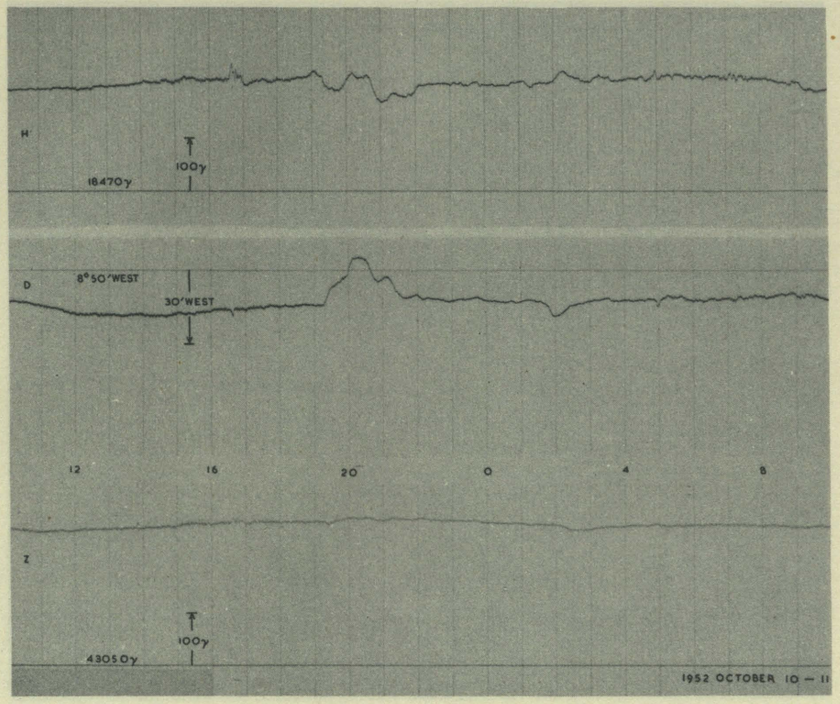
1952 OCTOBER 9 — 10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100γ
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D
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30'WEST
12
16
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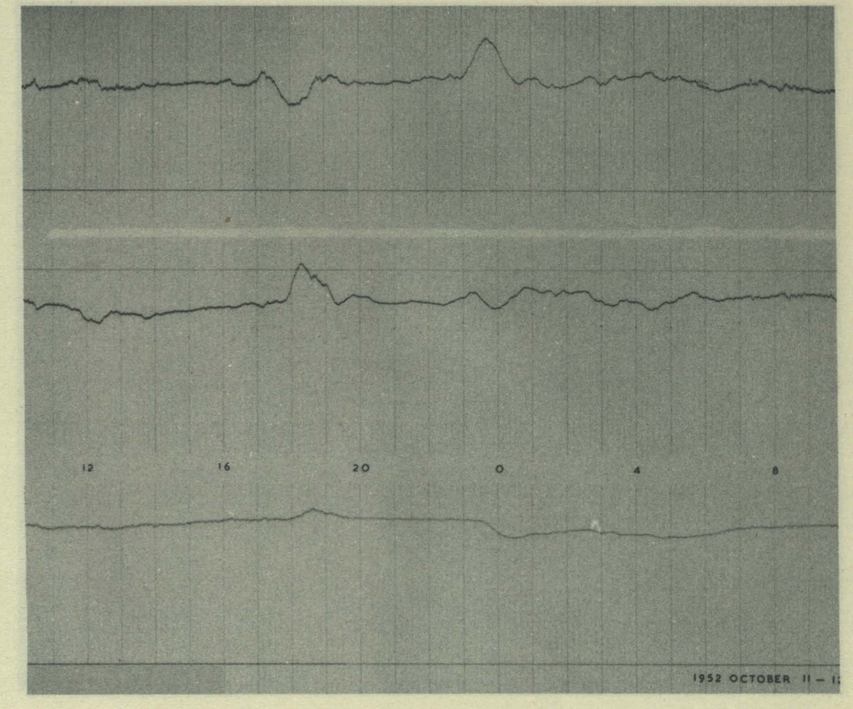
100γ
43050γ
1952 OCTOBER 10 — 11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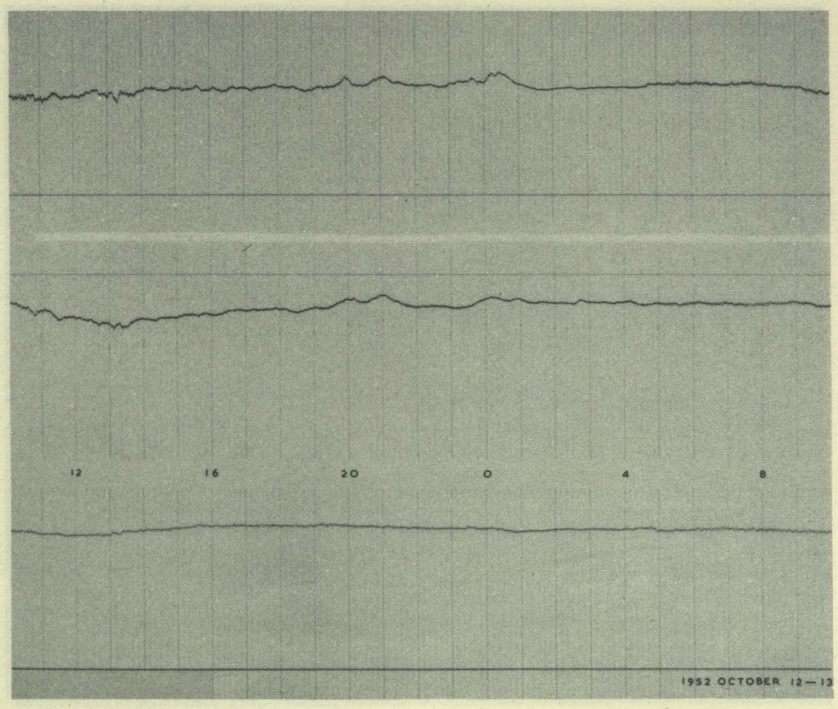
1952 OCTOBER 11 — 1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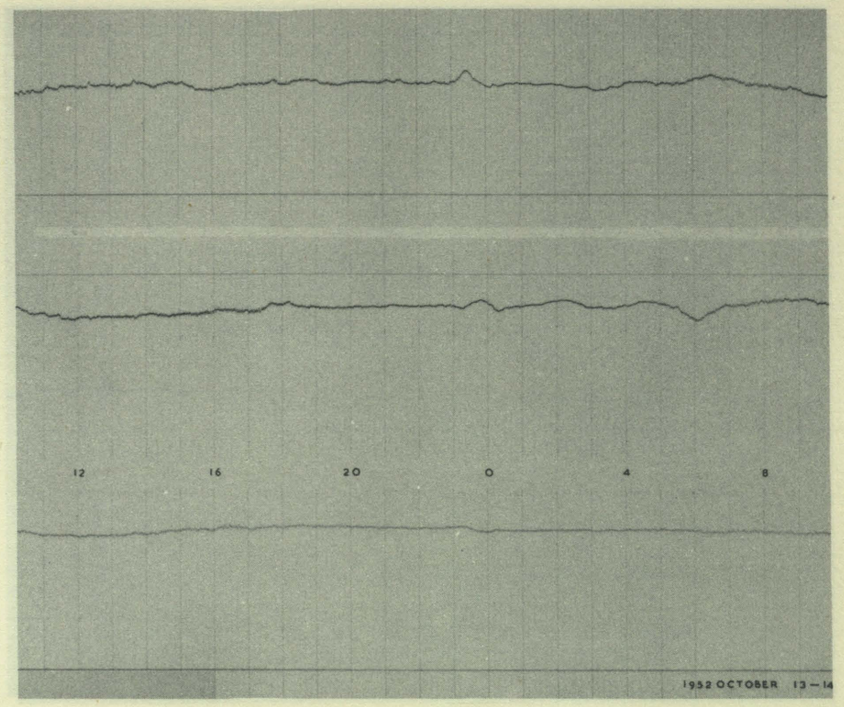
1952 OCTOBER 12 — 13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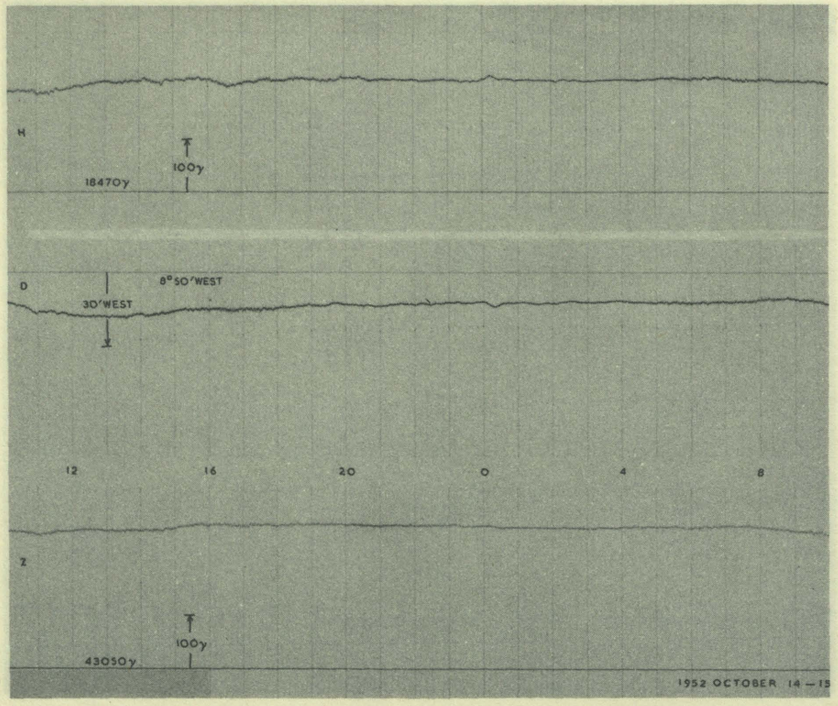
1952 OCTOBER 13 — 14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D
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30′WEST
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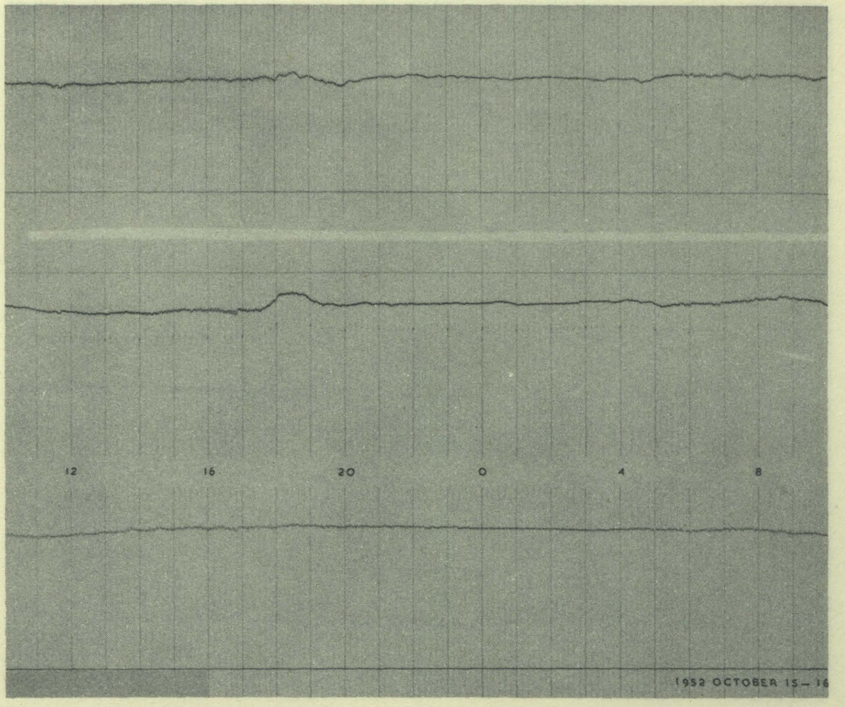
43030γ
1952 OCTOBER 14—15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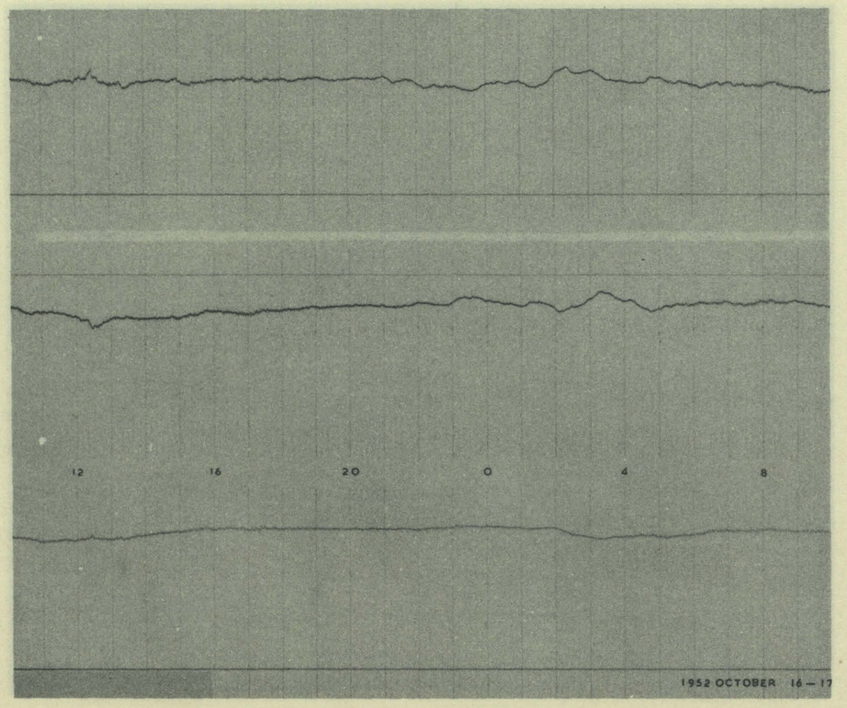
1952 OCTOBER 15—16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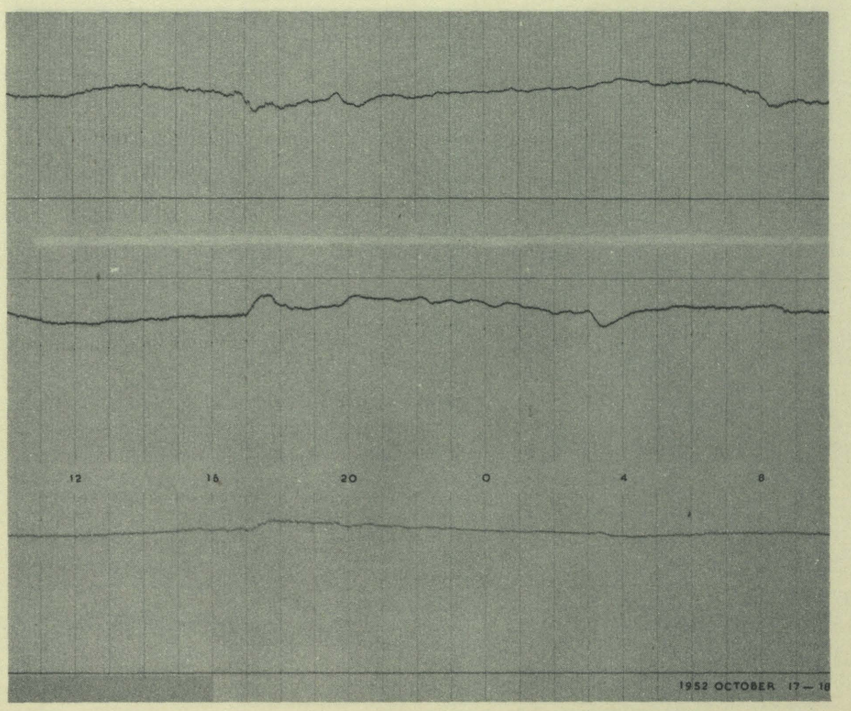
1952 OCTOBER 16—17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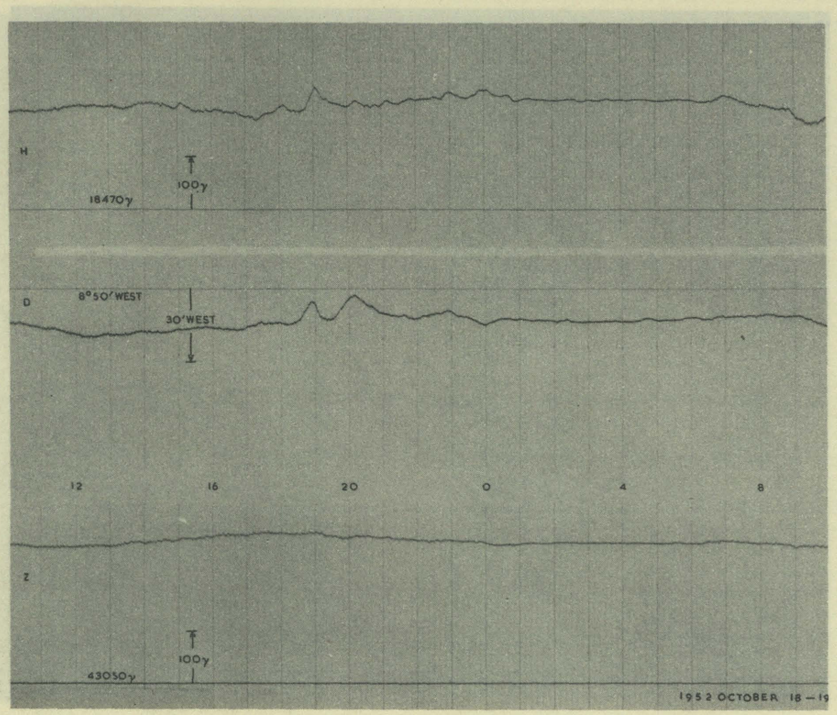
1952 OCTOBER 17—18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100γ
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D
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30'WEST
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8
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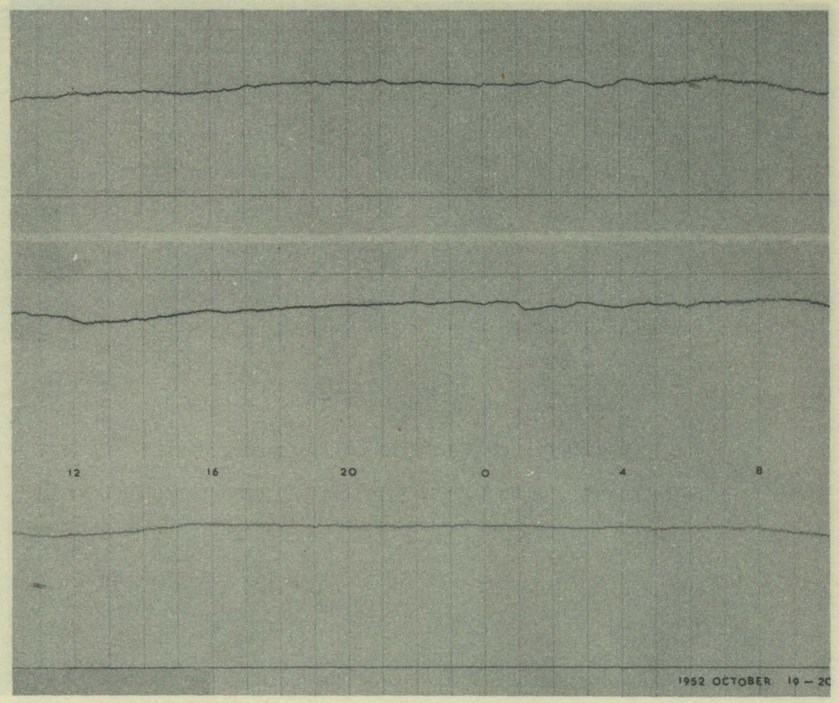
100γ
43050γ
1952 OCTOBER 18 – 19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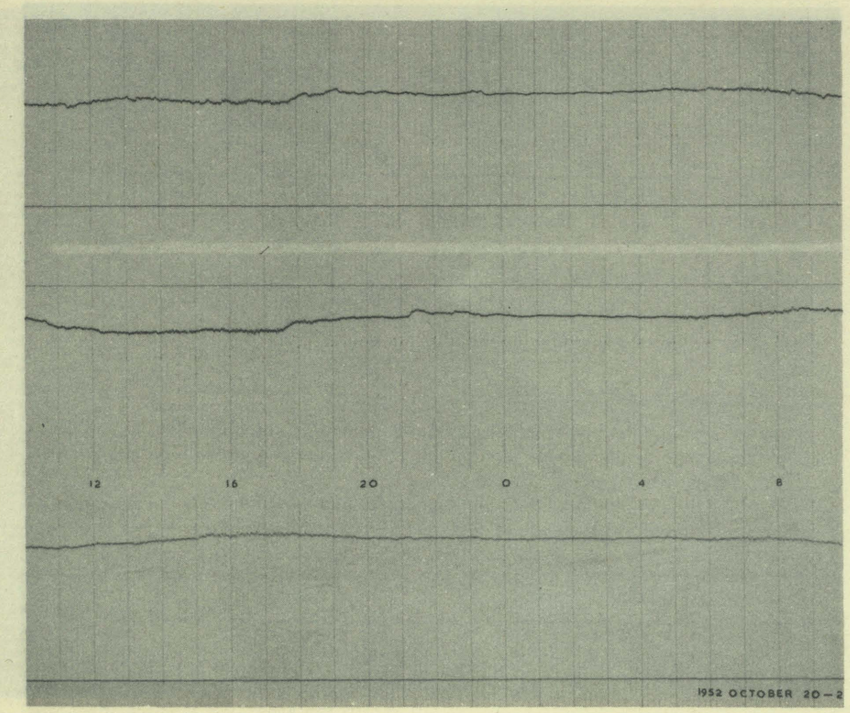
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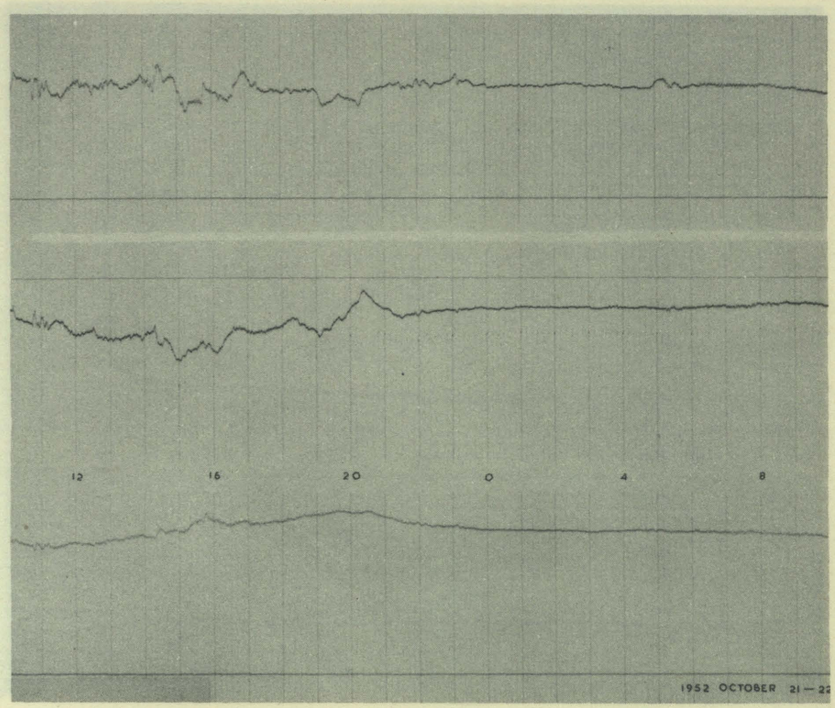
1952 OCTOBER 20 – 2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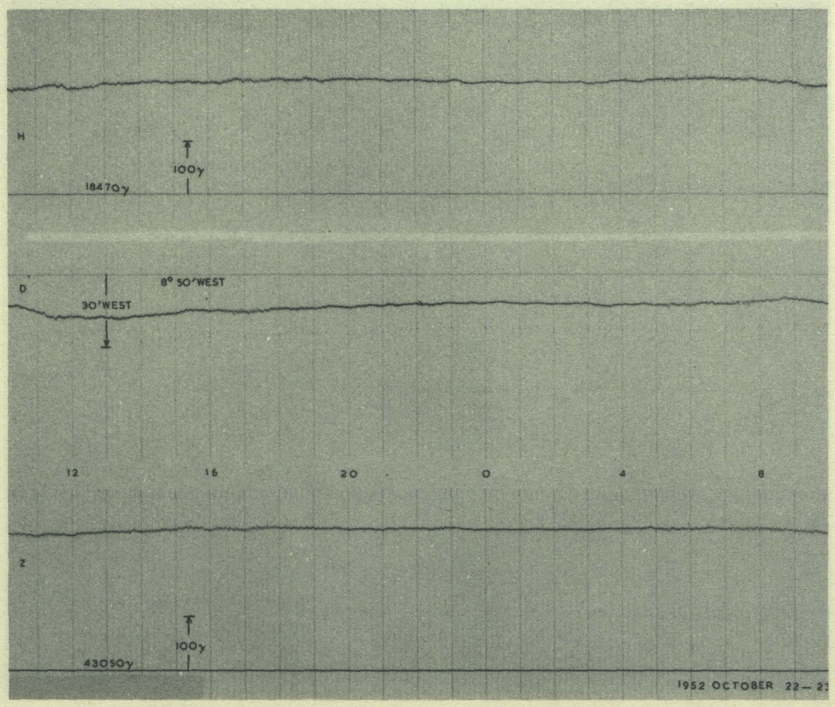
1952 OCTOBER 21 – 22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100γ
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D
8° 50' WEST
30' WEST
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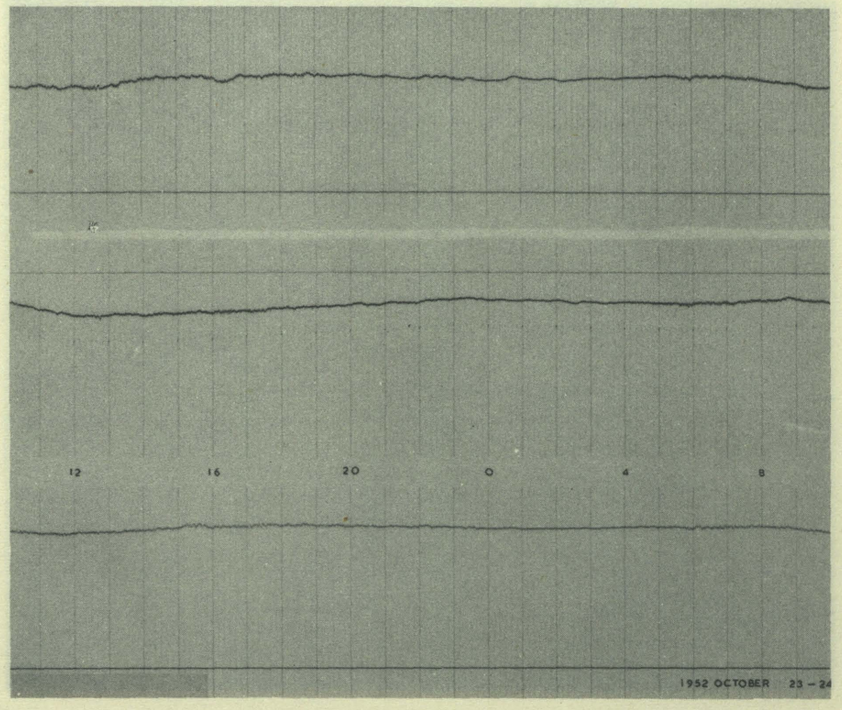
100γ
43050γ
1952 OCTOBER 22 – 23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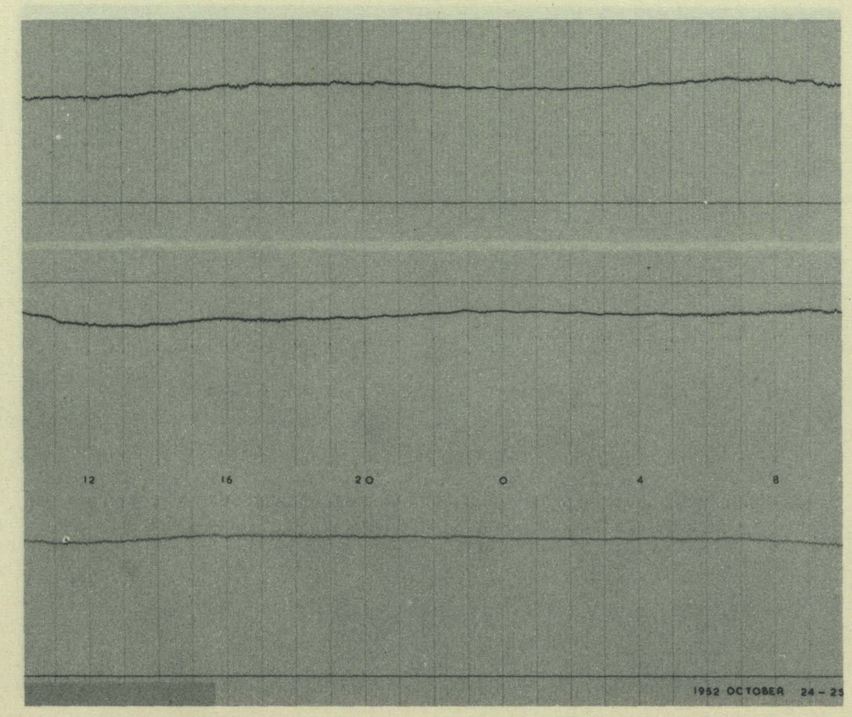
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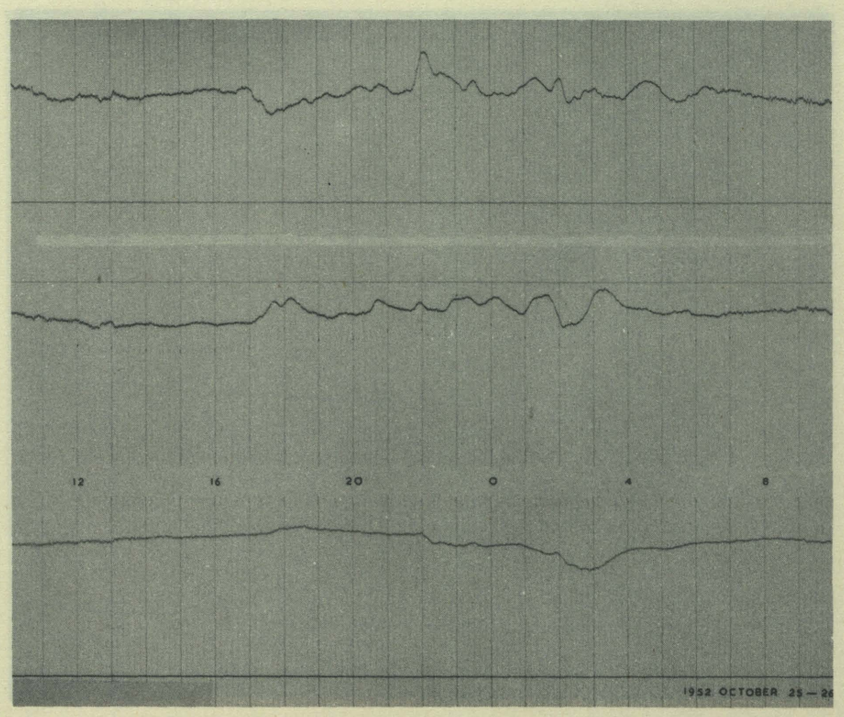
1952 OCTOBER 24 – 25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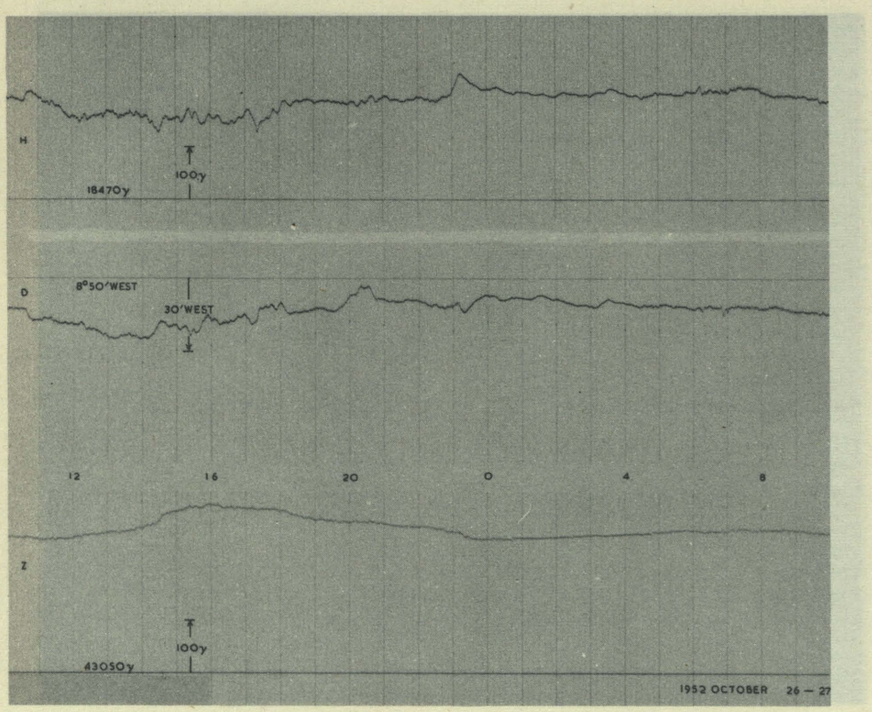
1952 OCTOBER 25 – 26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D
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30'WEST
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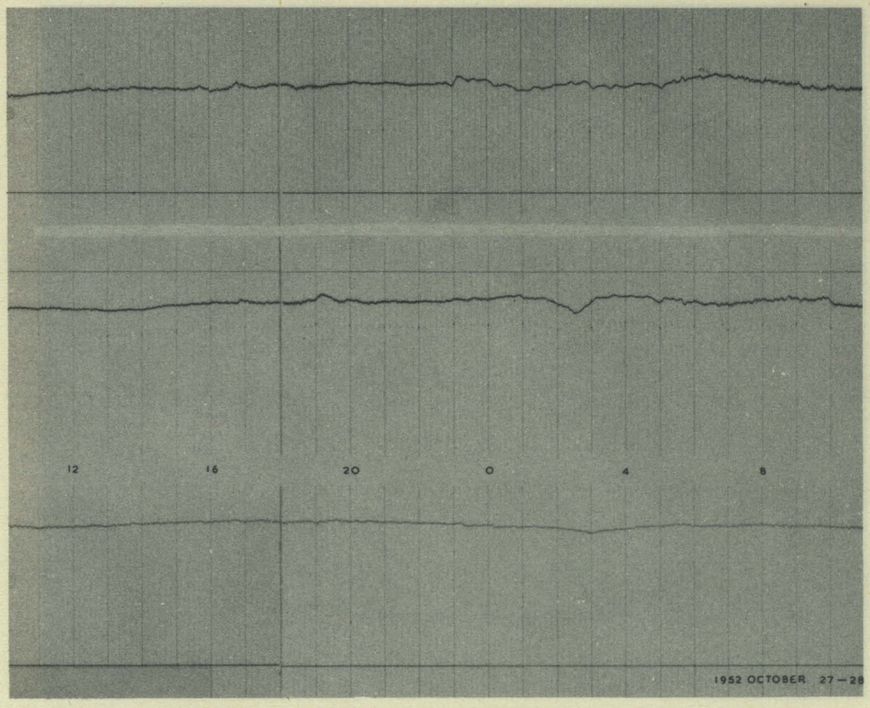
100γ
43050γ
1952 OCTOBER 26 — 27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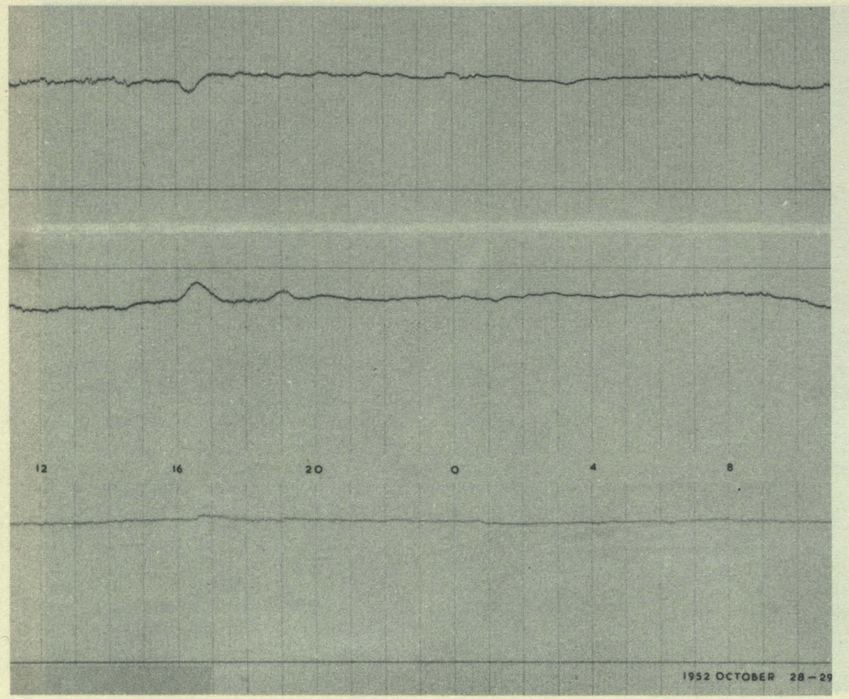
1952 OCTOBER 27 — 28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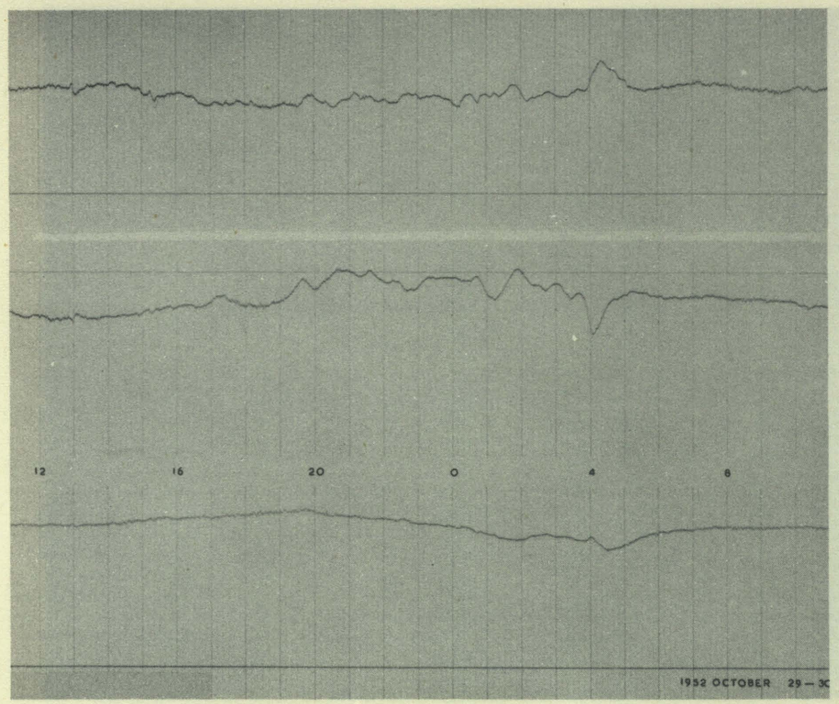
1952 OCTOBER 28 — 29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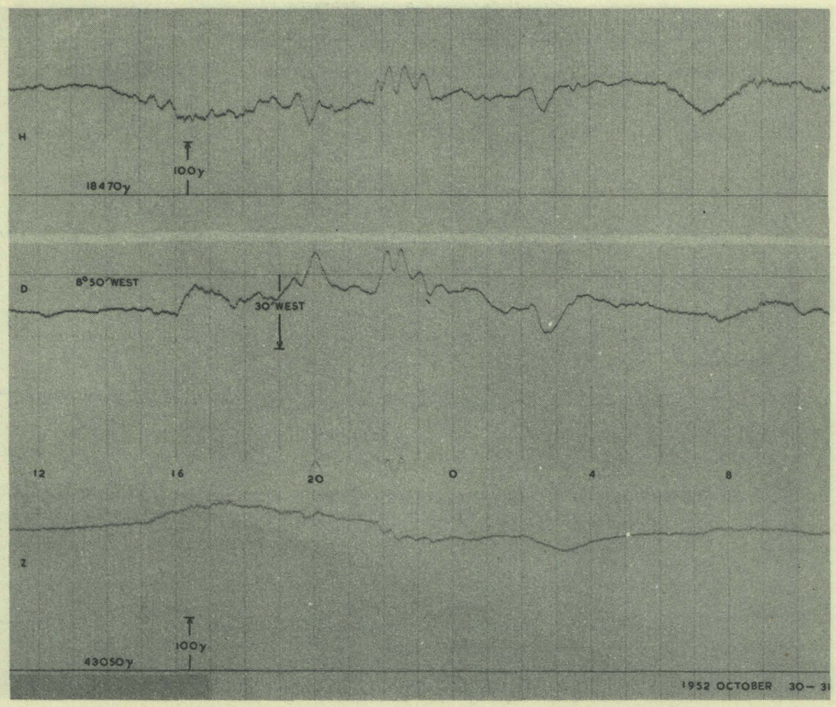
H
100γ
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D
8°50' WEST
30' WEST
12
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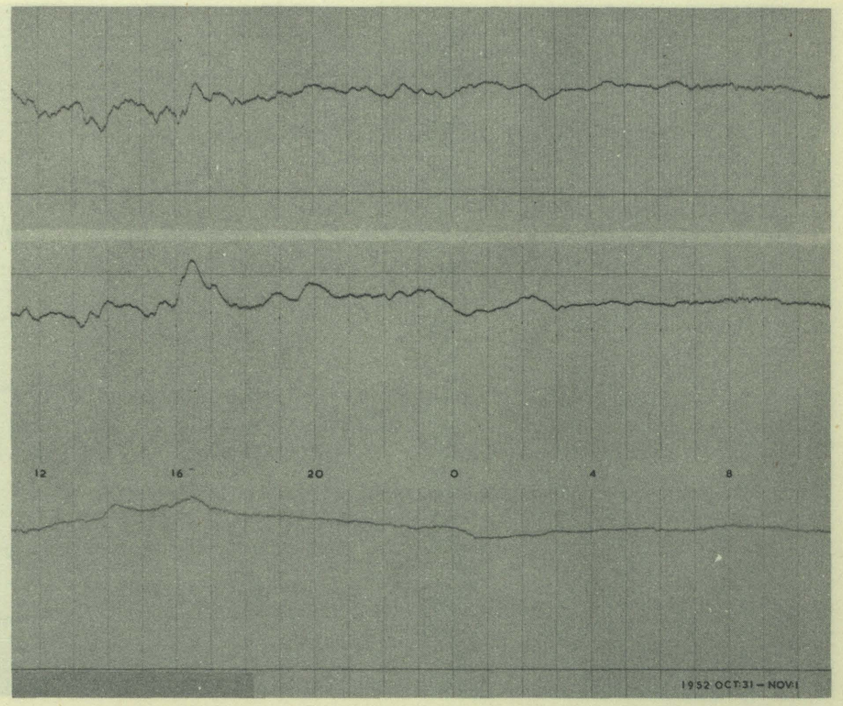
100γ
43050γ
1952 OCTOBER 30 — 31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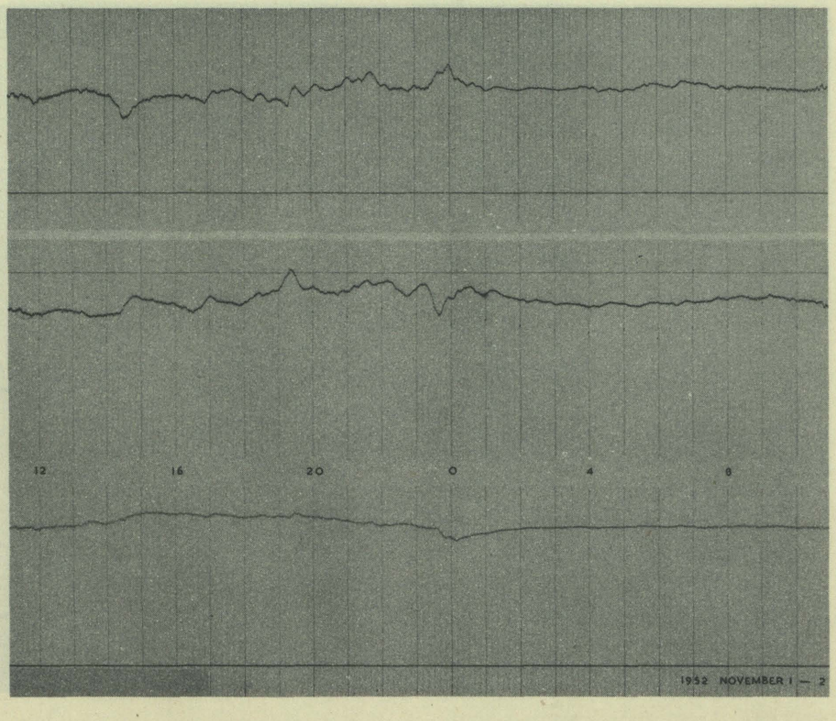
1952 OCT. 31 — NOV. 1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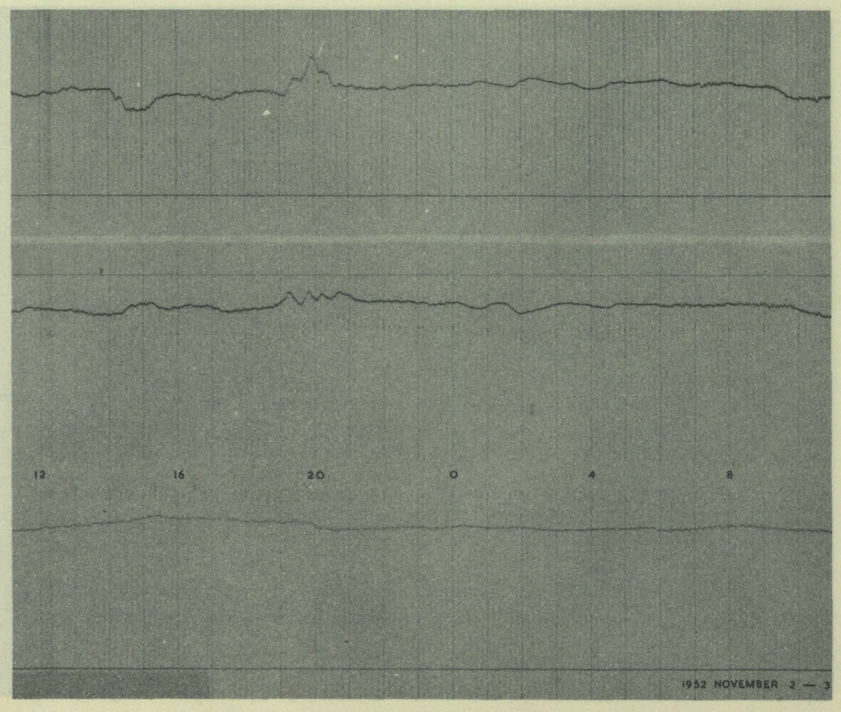
1952 NOVEMBER 1 — 2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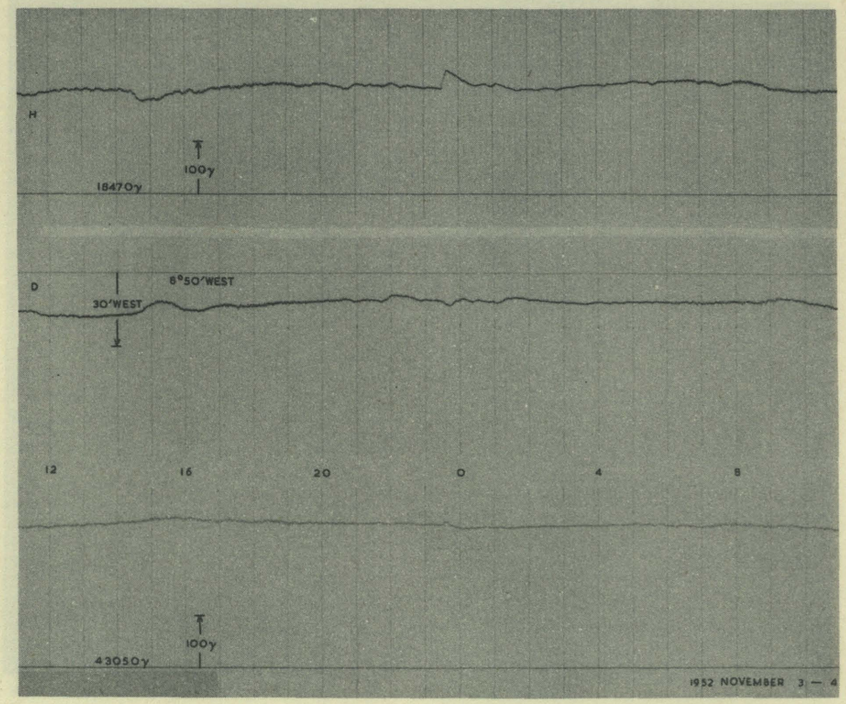
1952 NOVEMBER 2 — 3


H
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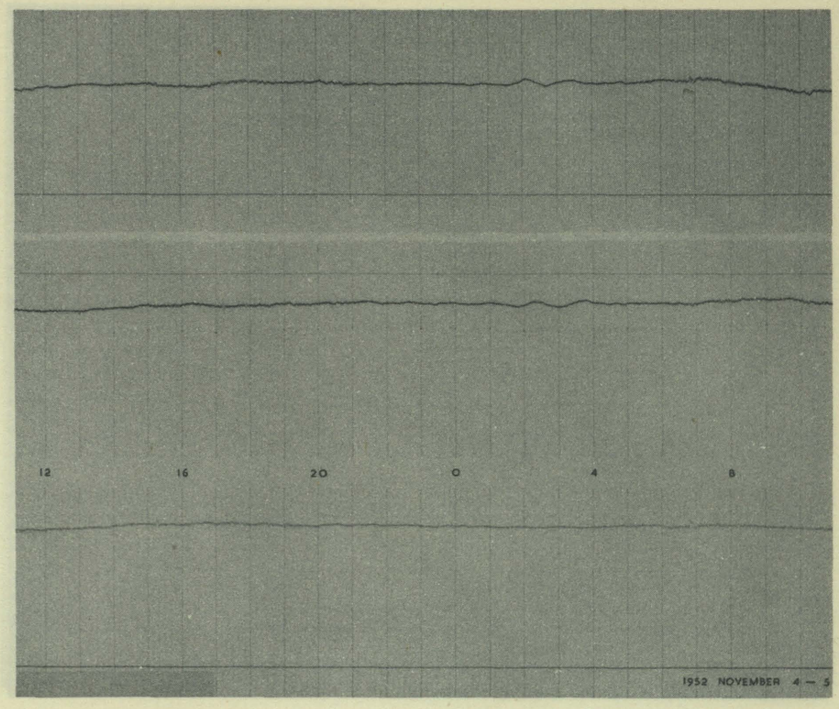
1952 NOVEMBER 3 — 4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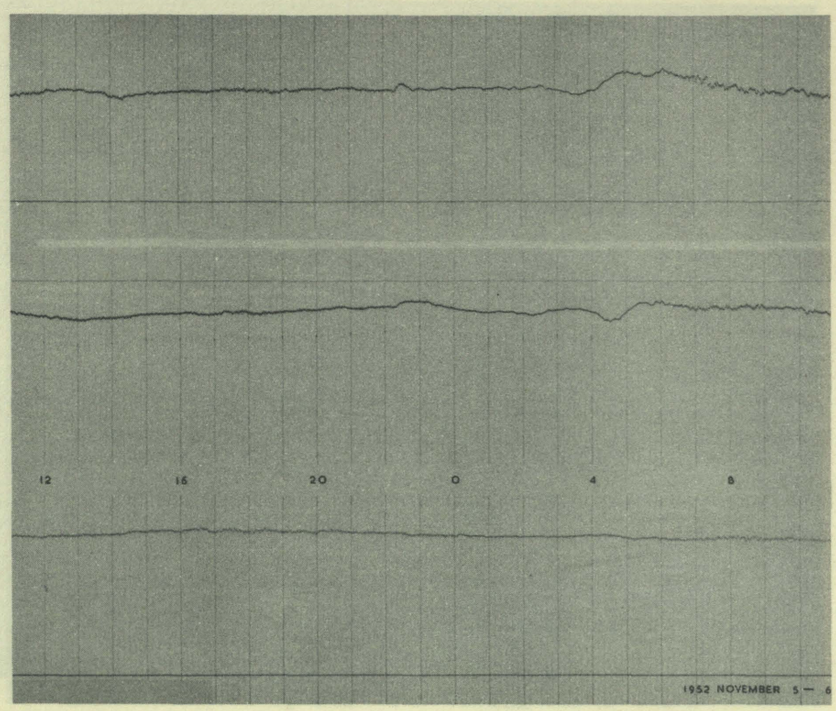
1952 NOVEMBER 4 — 5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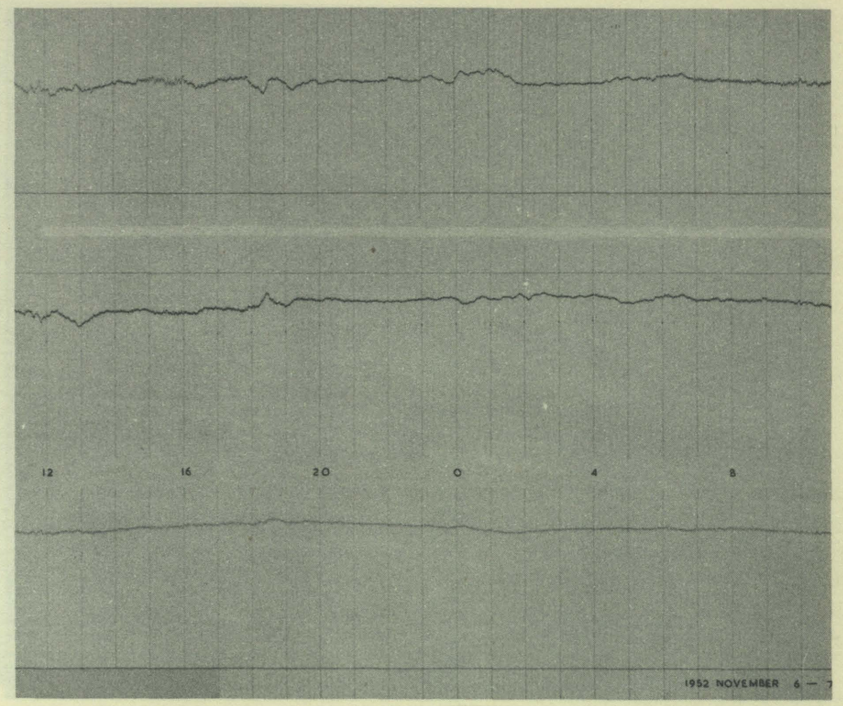
1952 NOVEMBER 5 — 6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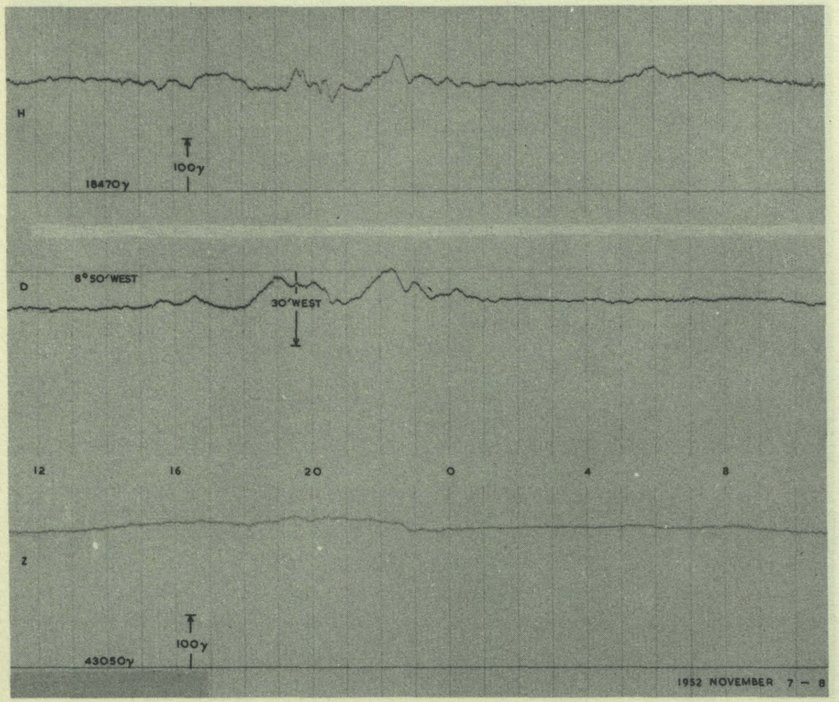
1952 NOVEMBER 6 — 7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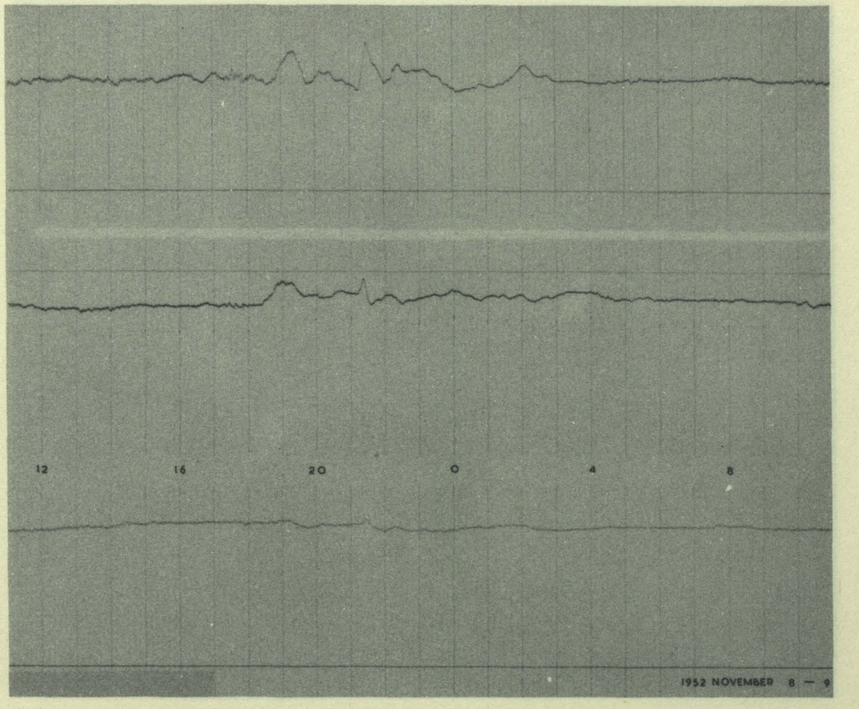
1952 NOVEMBER 7 — 8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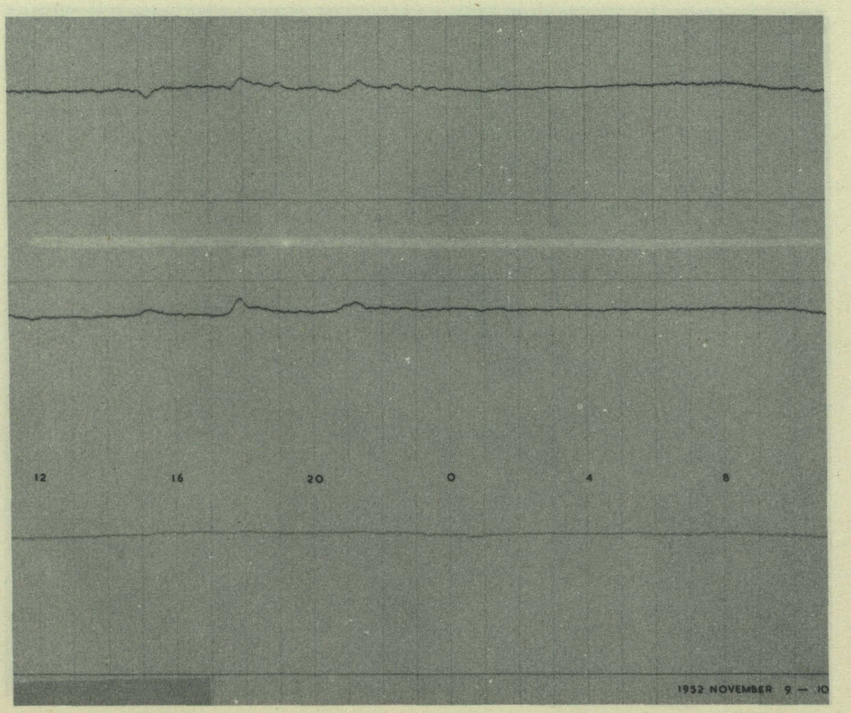
1952 NOVEMBER 8 — 9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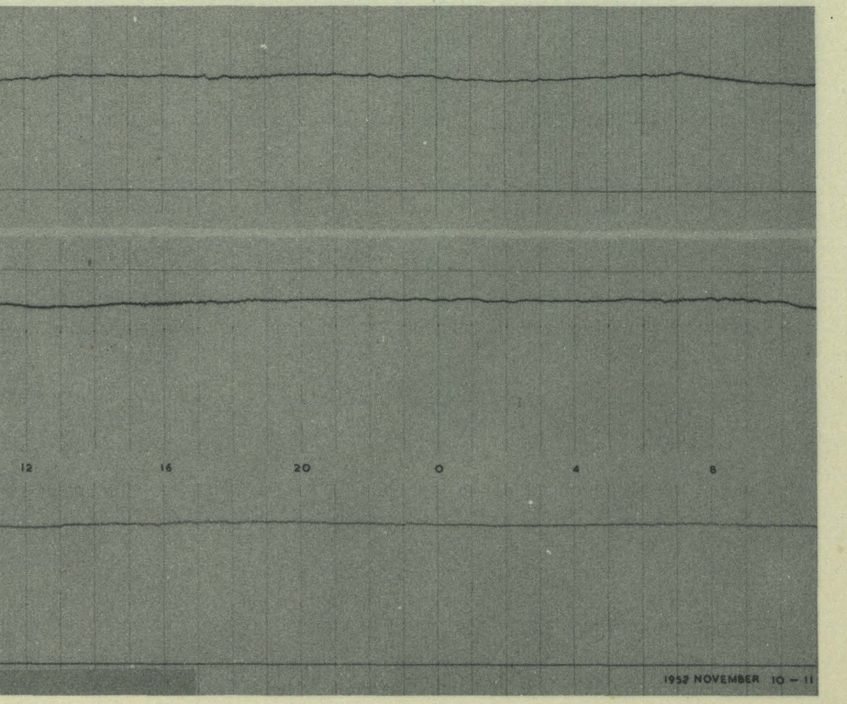
1952 NOVEMBER 9 — 10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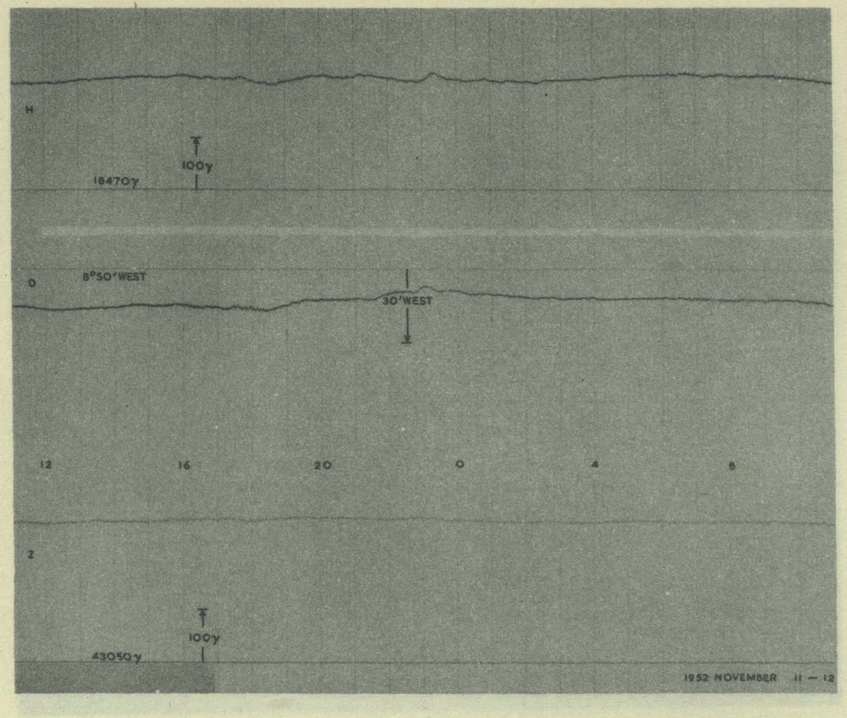
1952 NOVEMBER 10 — 11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D
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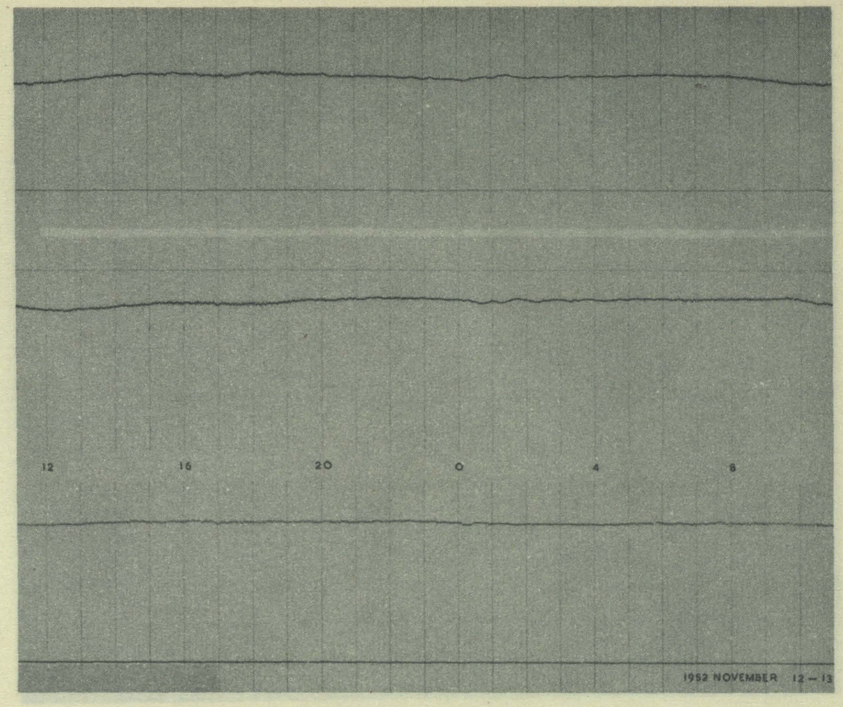
1952 NOVEMBER 11 — 12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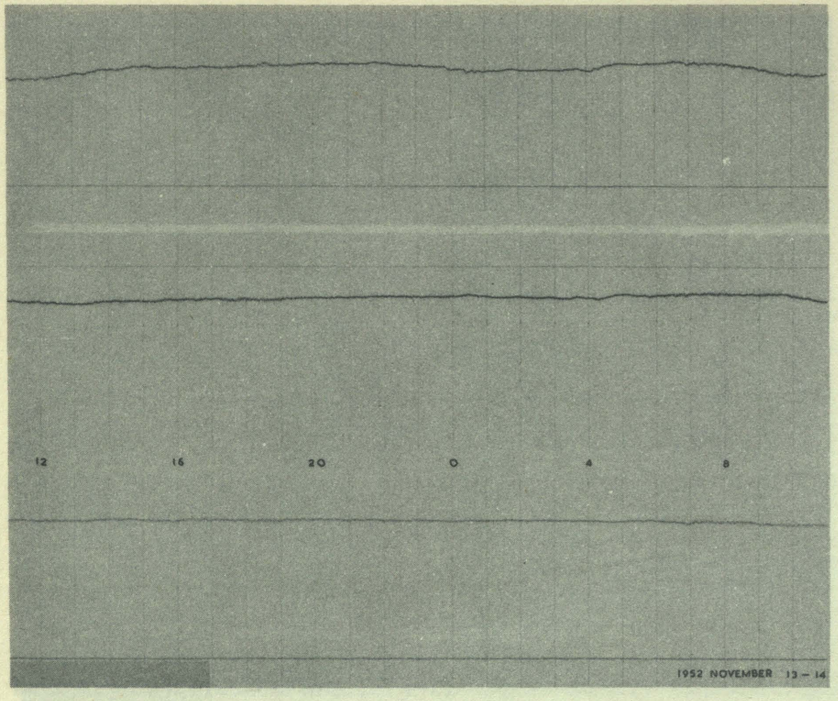
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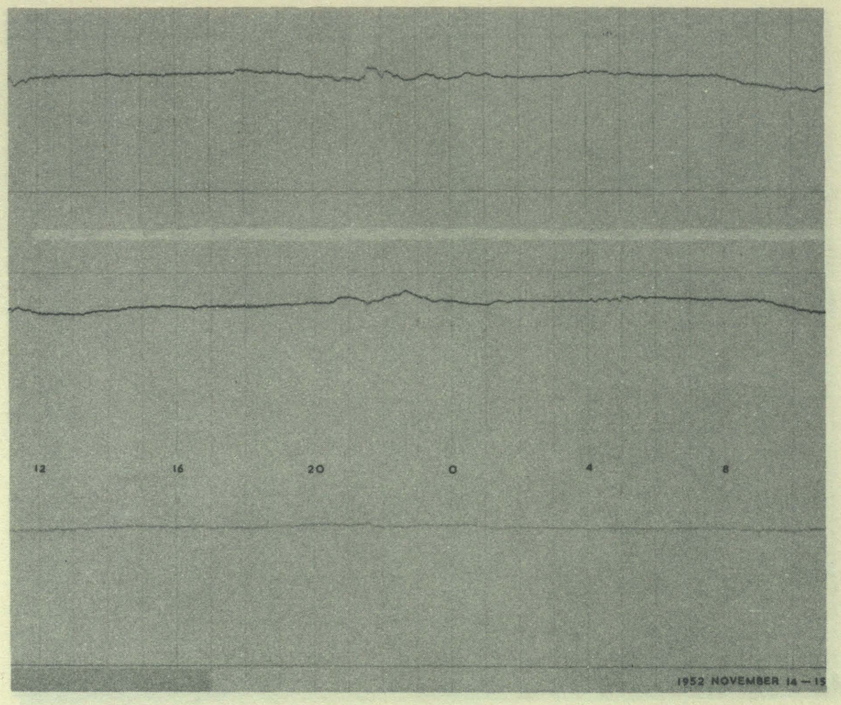
1952 NOVEMBER 13 — 14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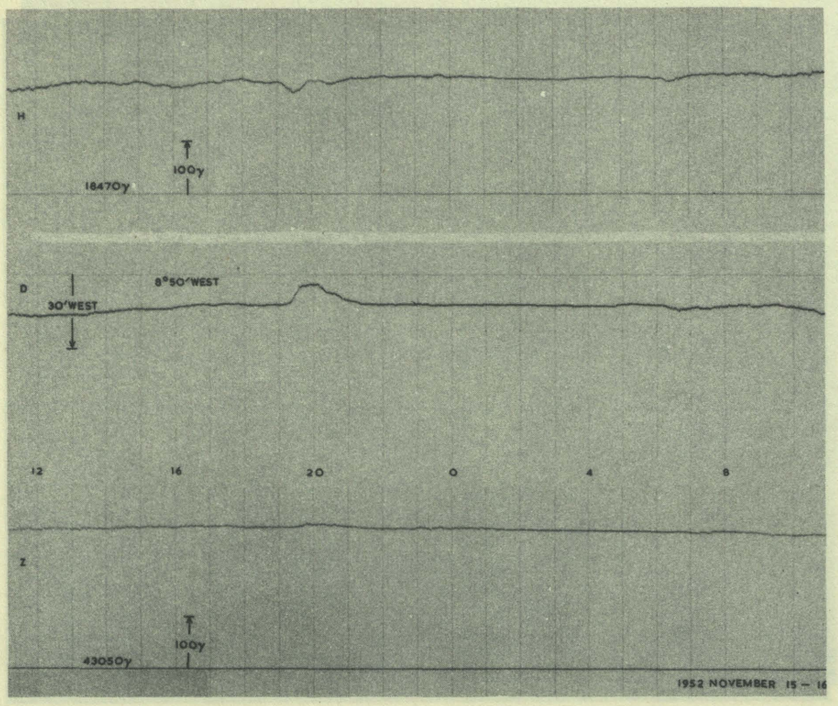
1952 NOVEMBER 14 — 15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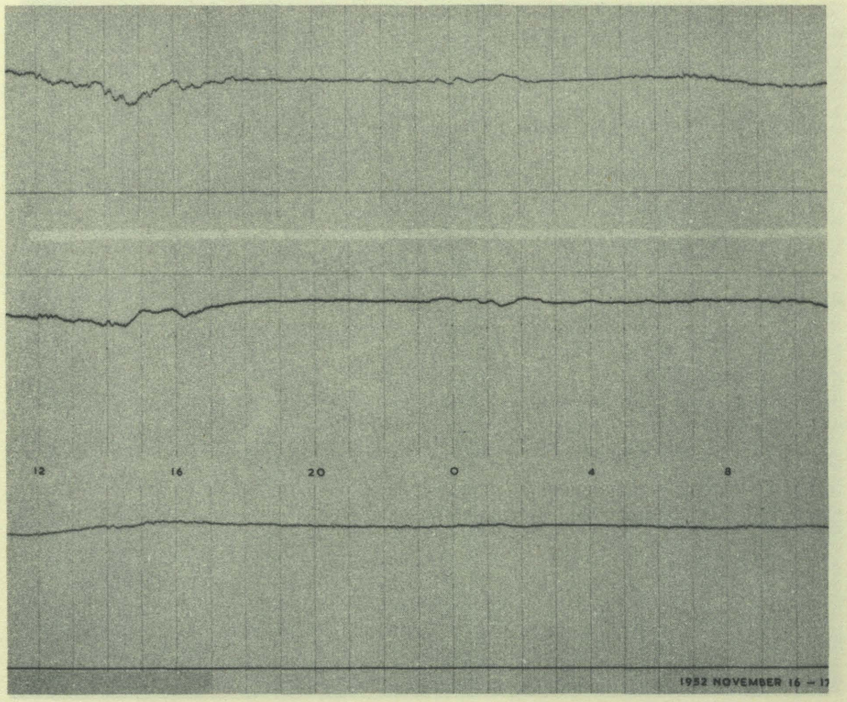
1952 NOVEMBER 15 – 16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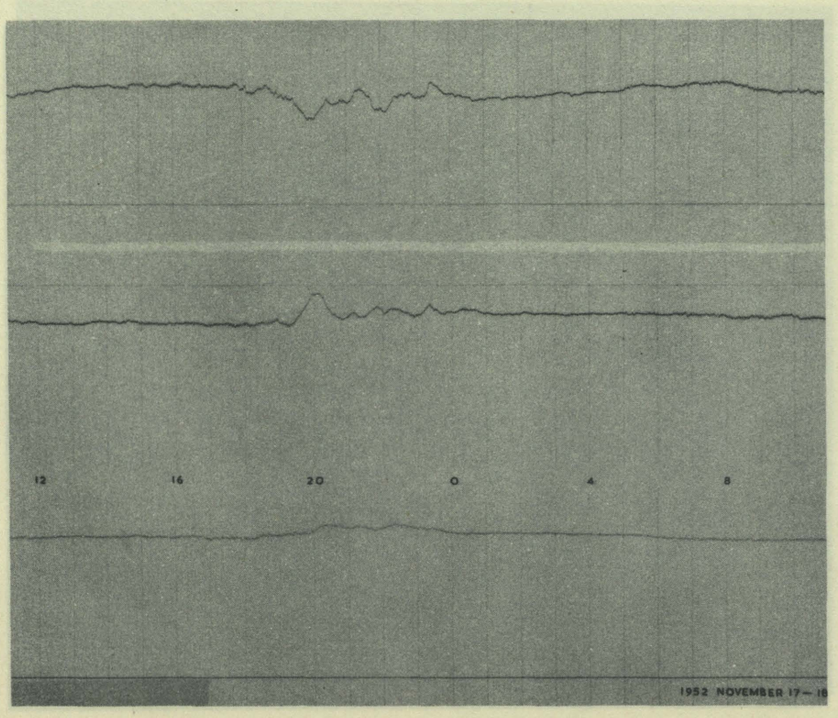
1952 NOVEMBER 16 – 17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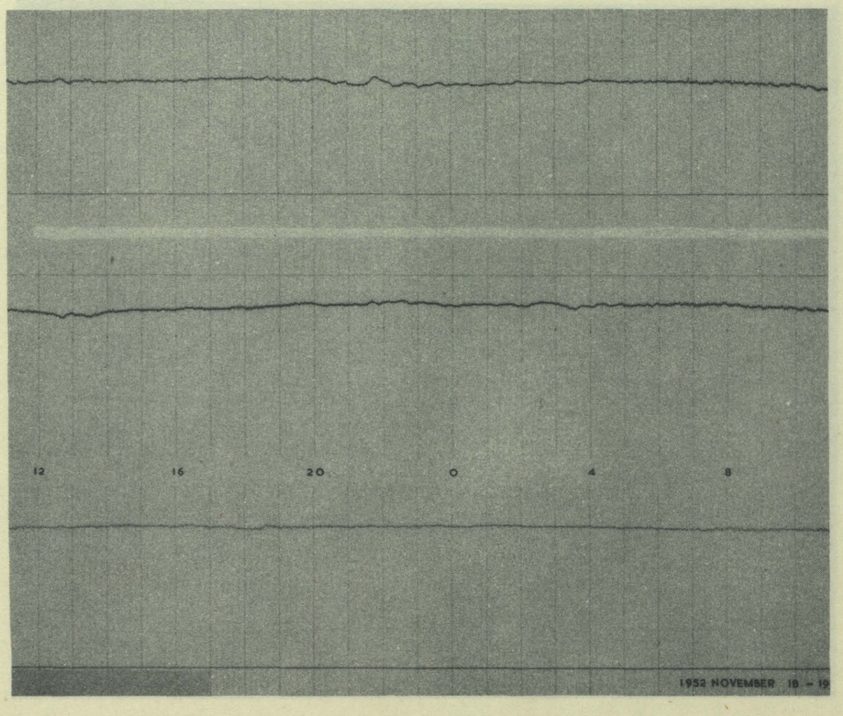
1952 NOVEMBER 17 – 18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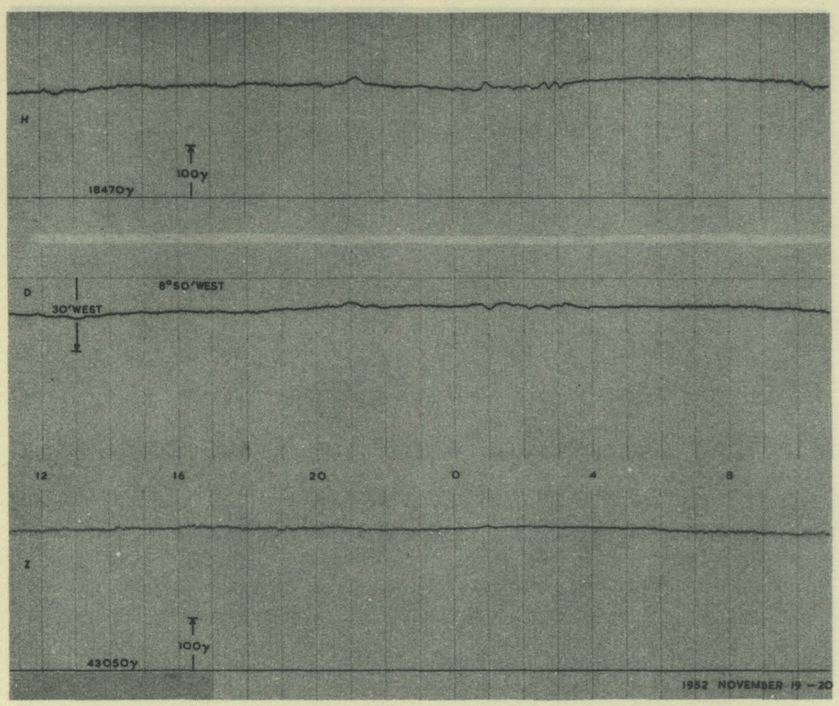
1952 NOVEMBER 18 – 19


H
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D
8°50'WEST
30'WEST
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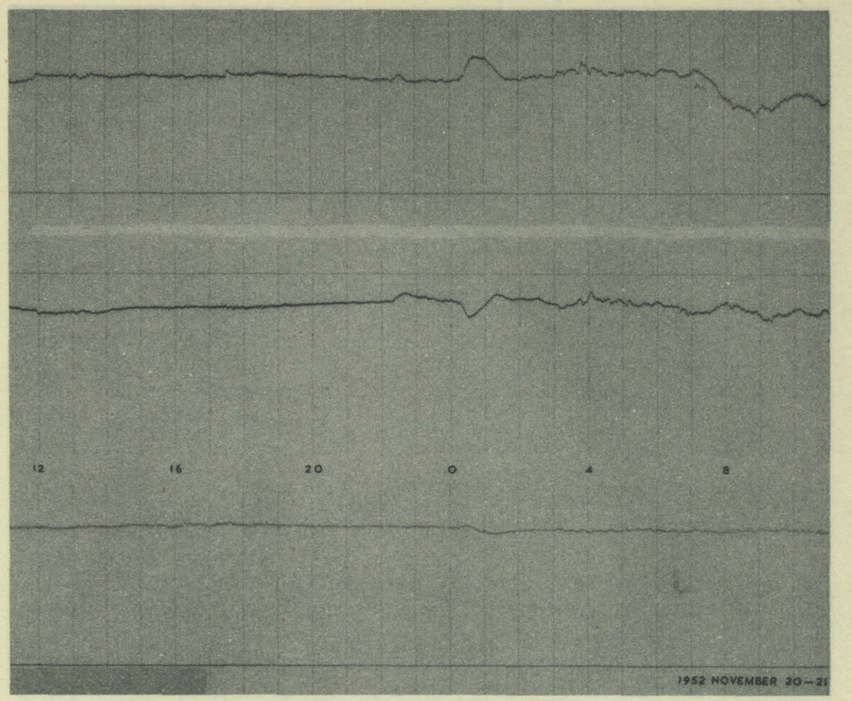
1952 NOVEMBER 19 – 20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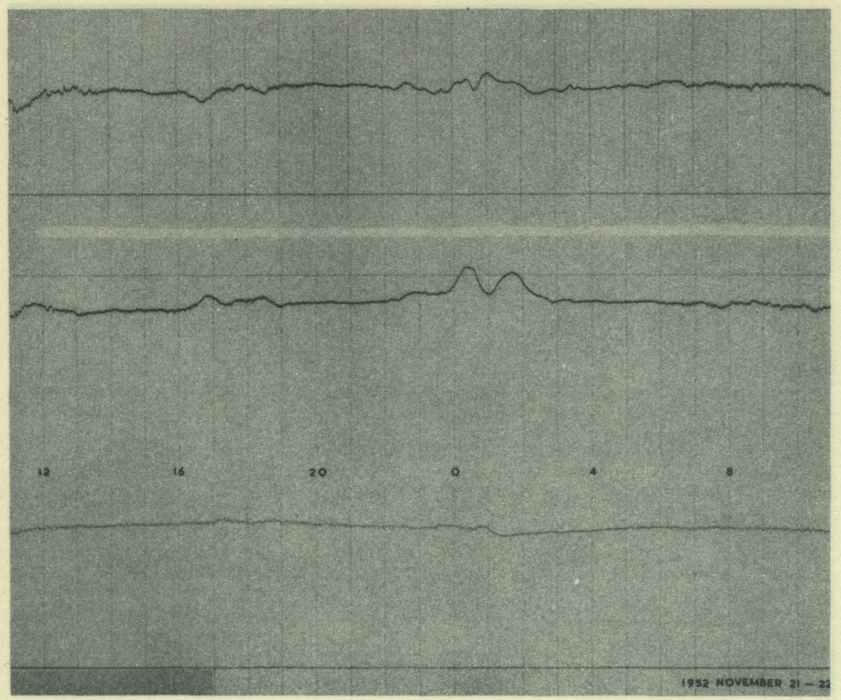
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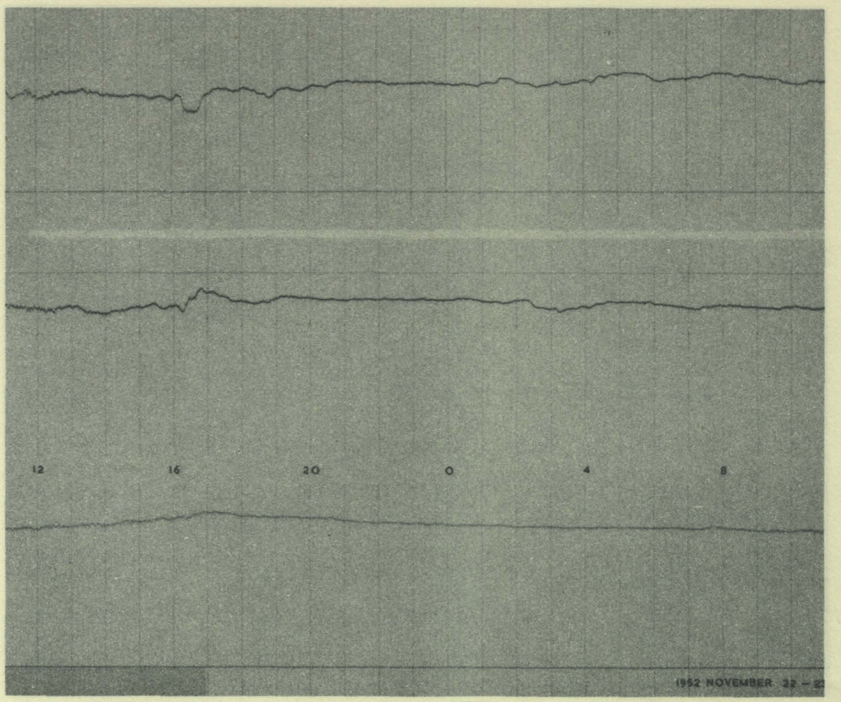
1952 NOVEMBER 21 – 22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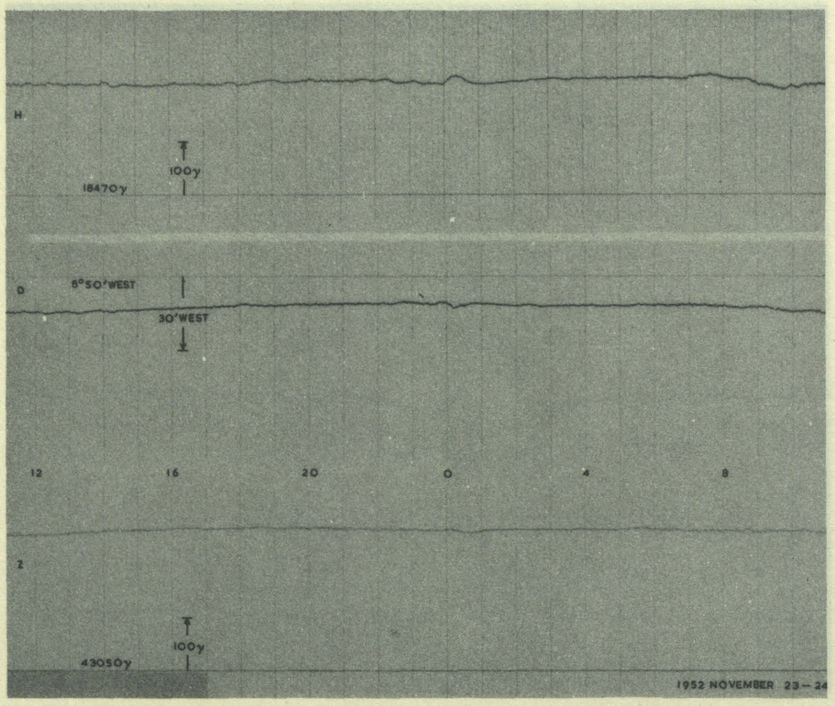
1952 NOVEMBER 22 – 23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18470γ
D
8°50'WEST
30'WEST
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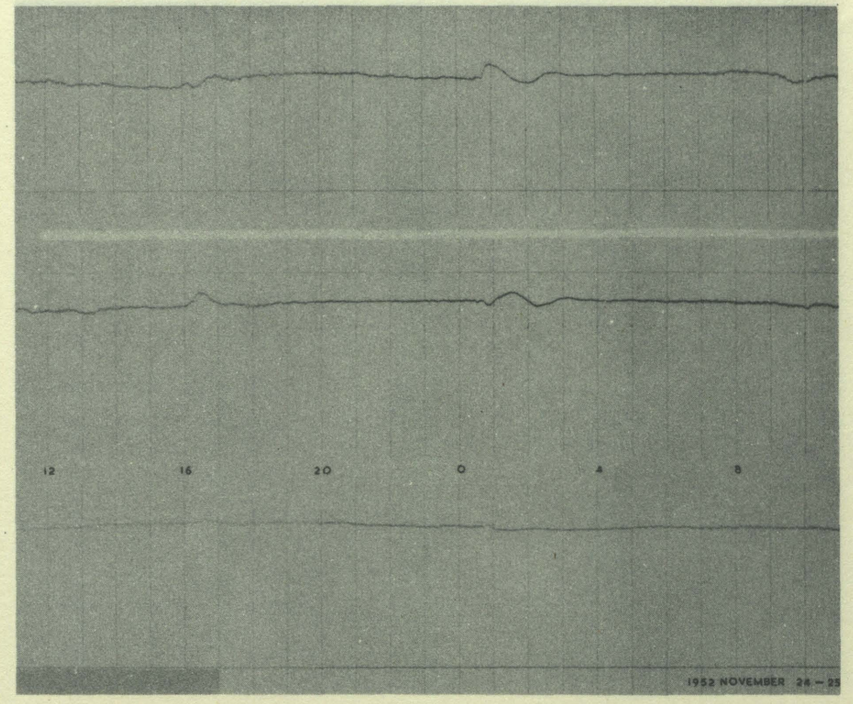
0
4
8
Z
100γ
43050γ
1952 NOVEMBER 23—24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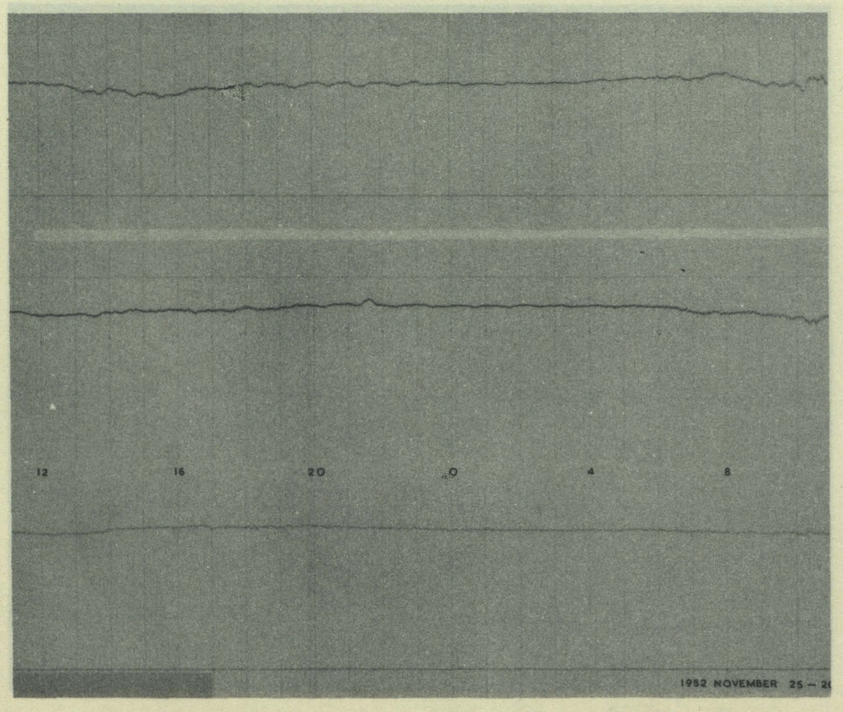
1952 NOVEMBER 24—25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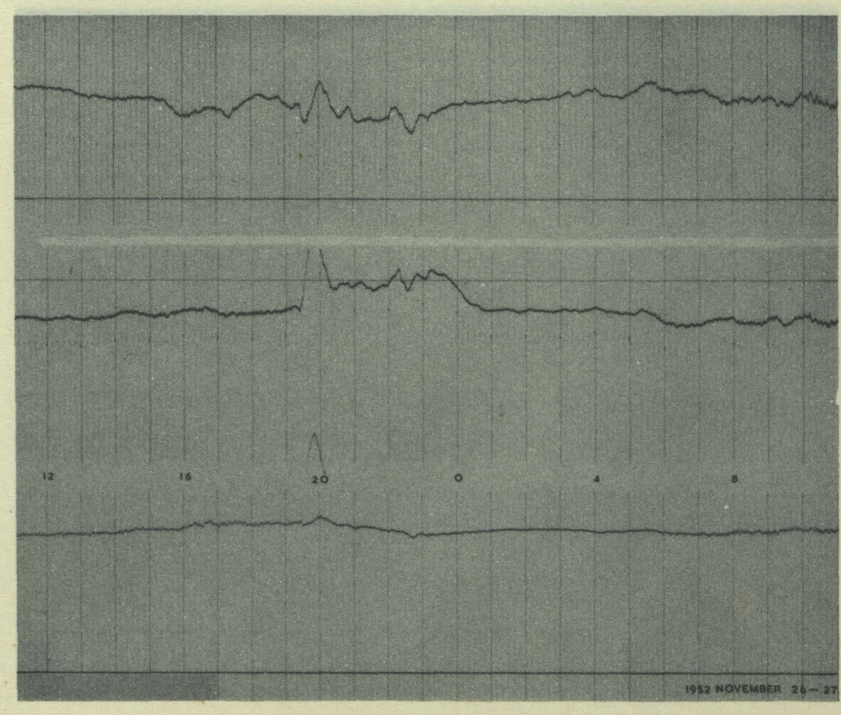
1952 NOVEMBER 25—26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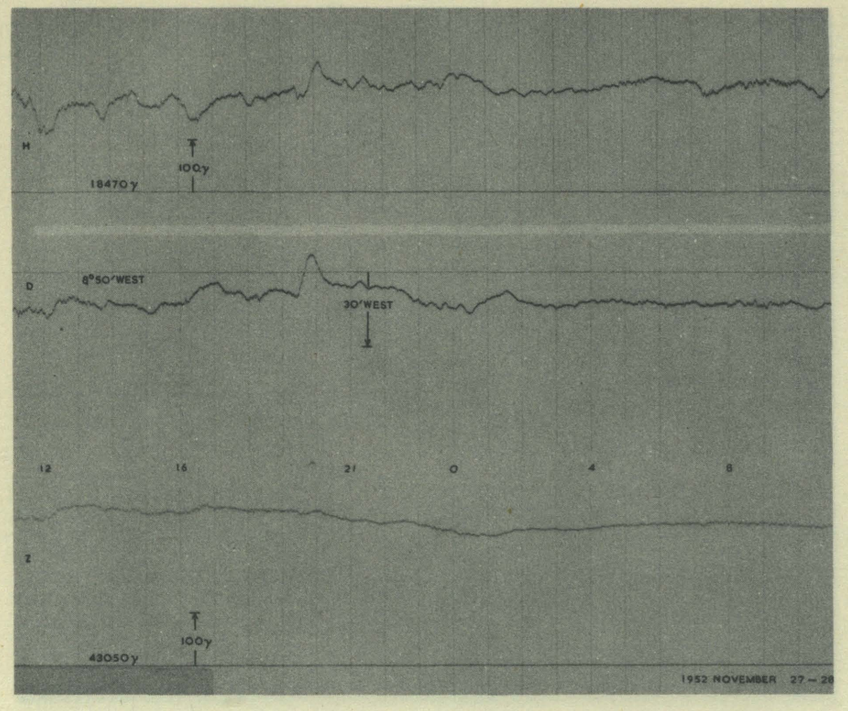
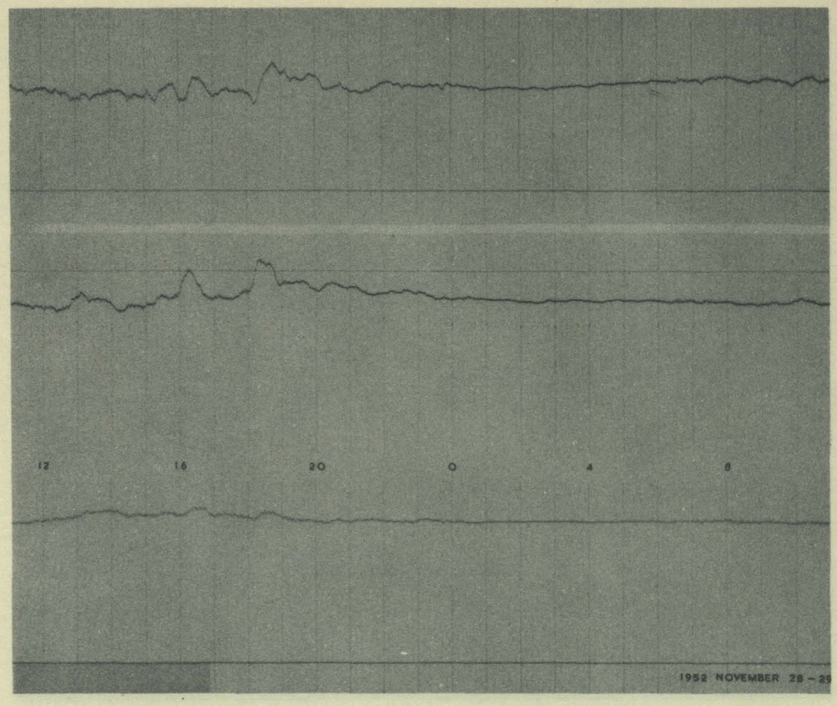
1952 NOVEMBER 26—27


H
100γ
18470γ
D
8°50'WEST
30'WEST
12
16
21
0
4
8
Z
100γ
43050γ
1952 NOVEMBER 27 – 28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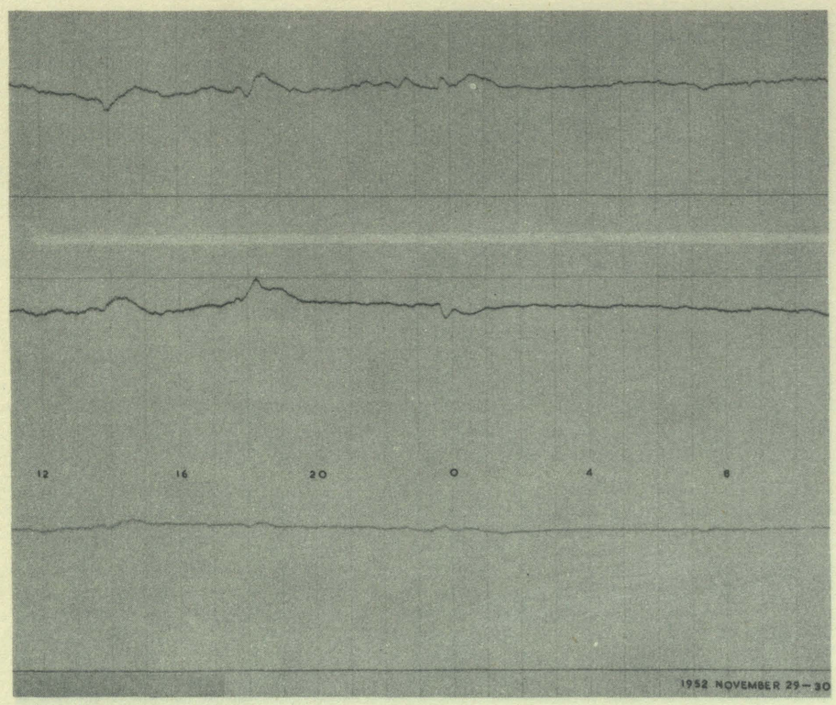
1952 NOVEMBER 28 – 29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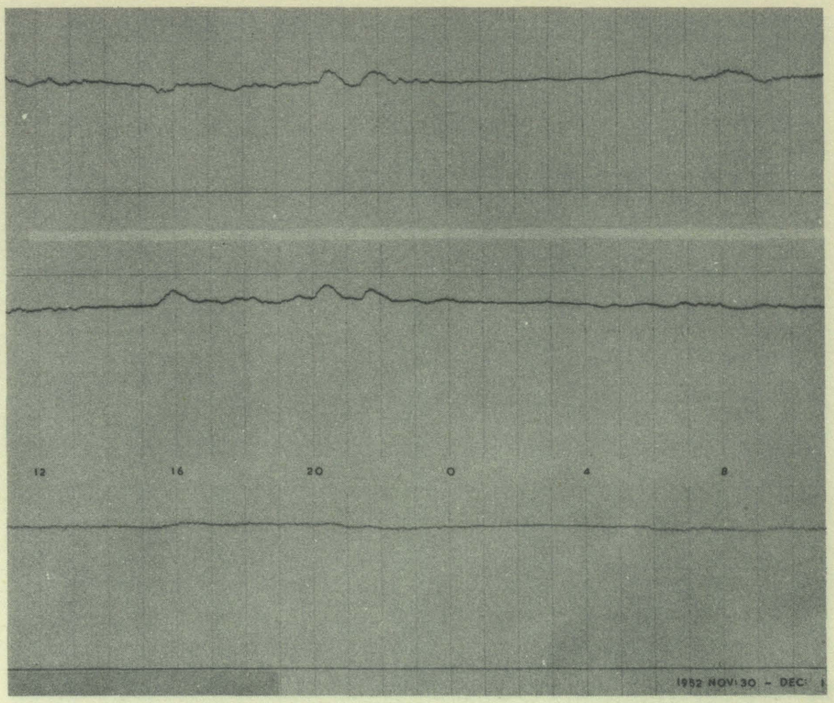
1952 NOVEMBER 29 – 30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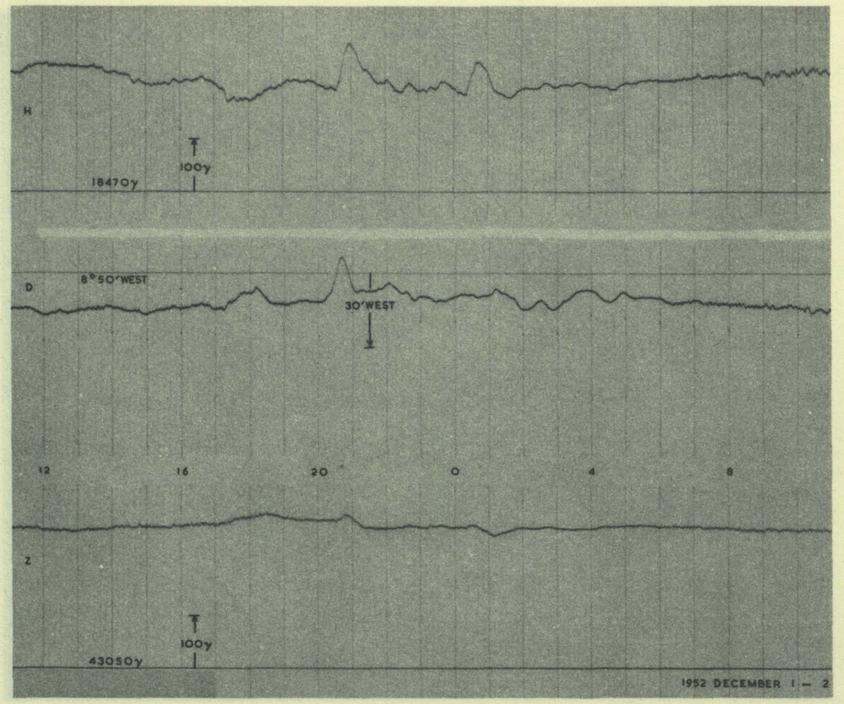
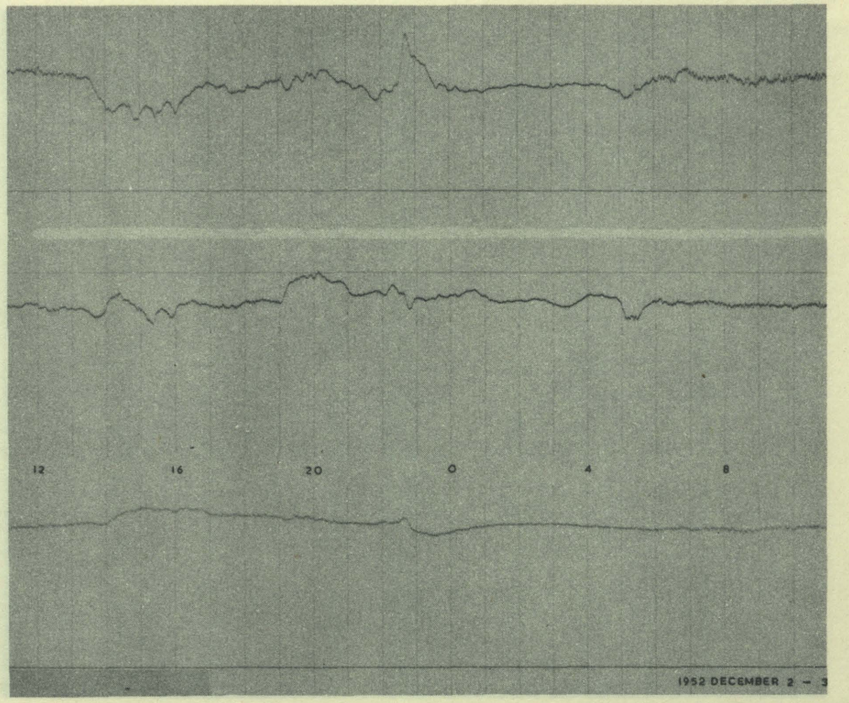
1952 NOV 30 – DEC


H
100γ
18470γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 DECEMBER 1 – 2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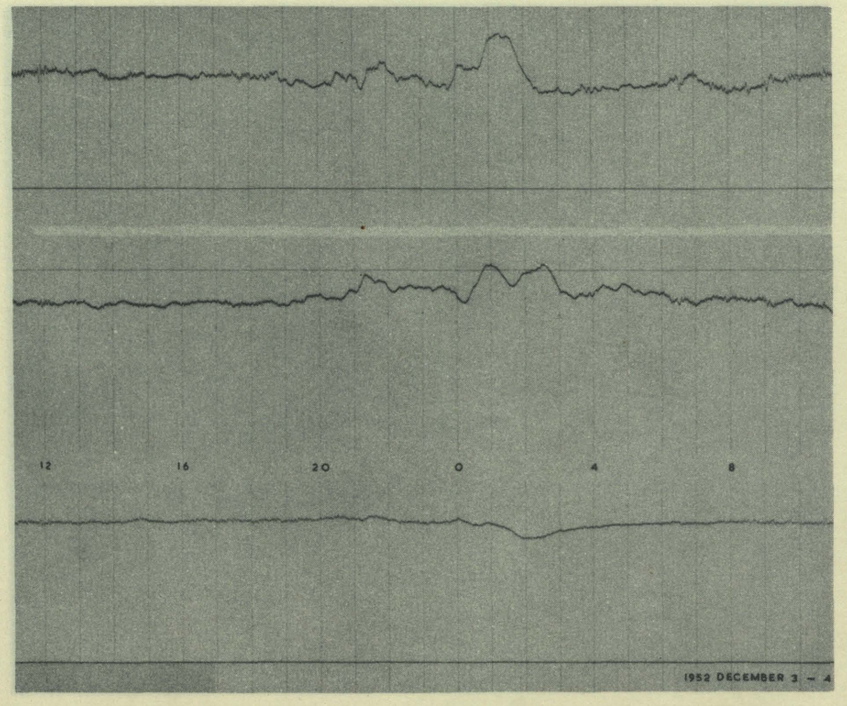
1952 DECEMBER 2 – 3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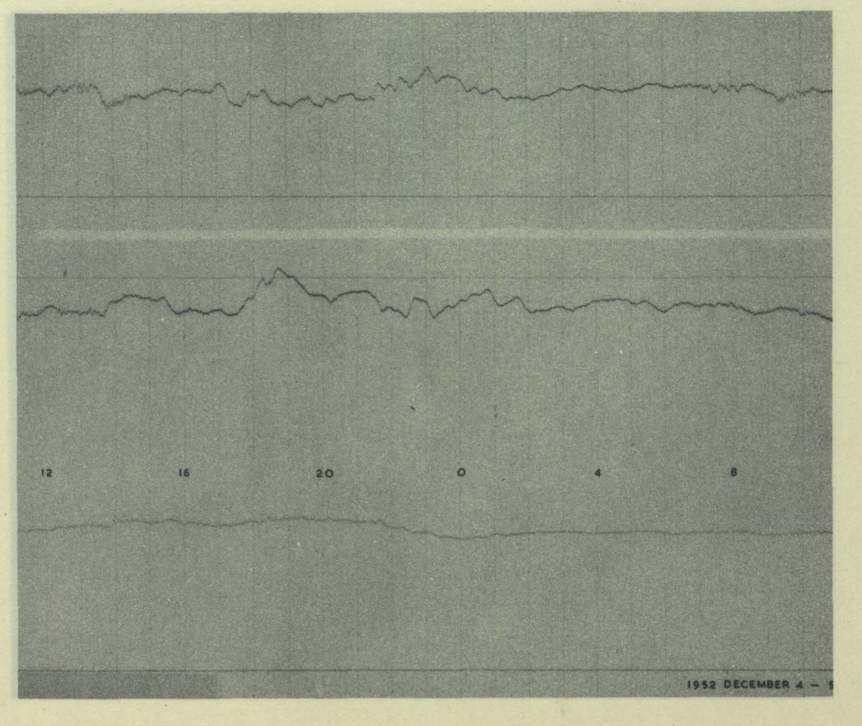
8
1952 DECEMBER 3 – 4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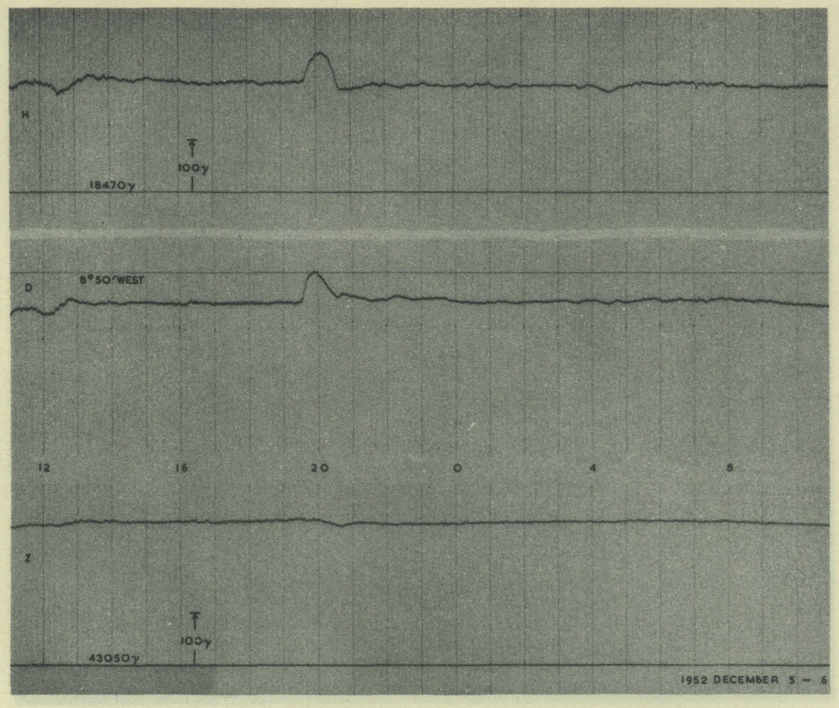
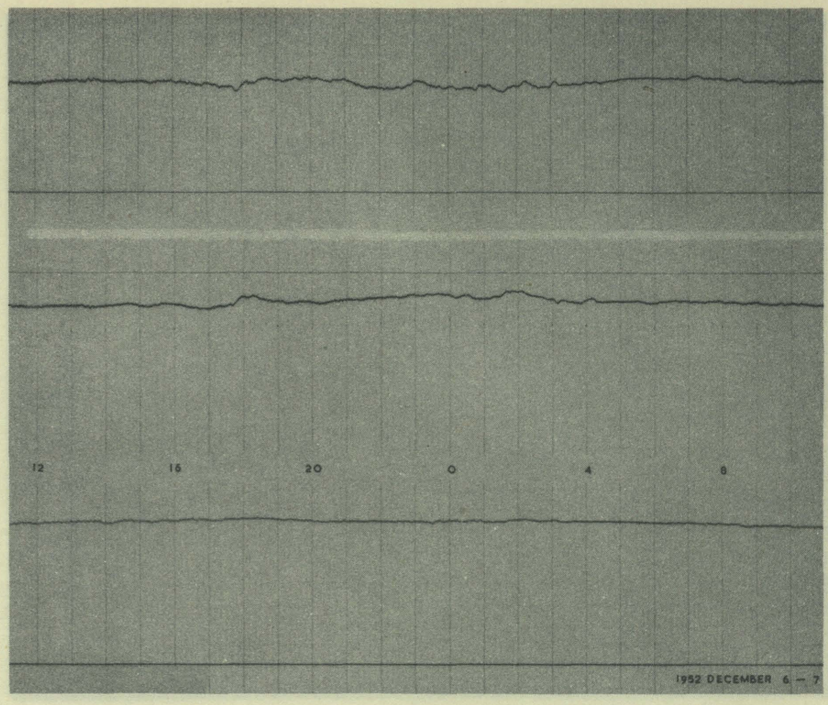
1952 DECEMBER 4 – 5


H
100γ
18470γ
D
8°50'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 DECEMBER 5 — 6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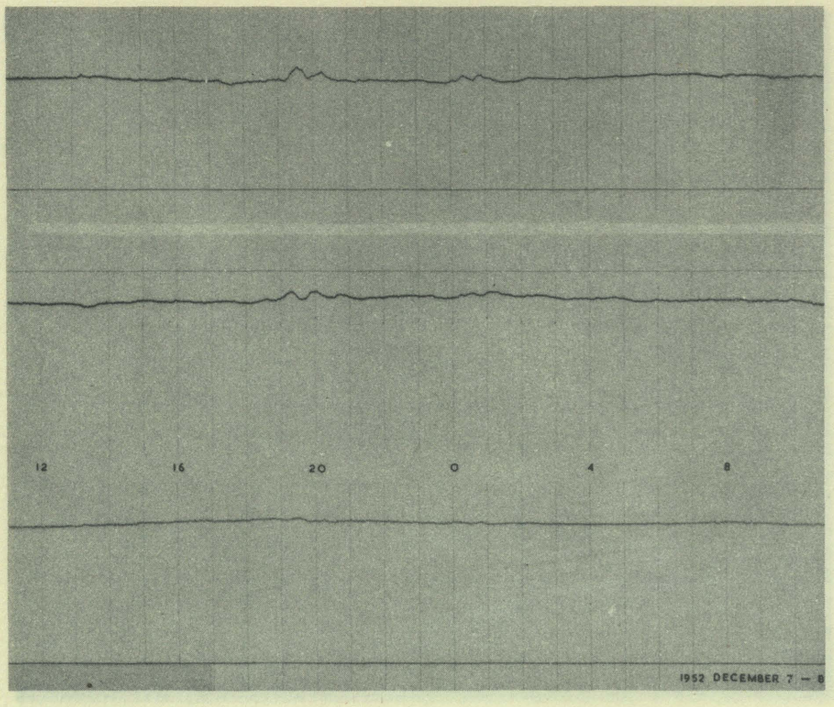
4
8
1952 DECEMBER 6 — 7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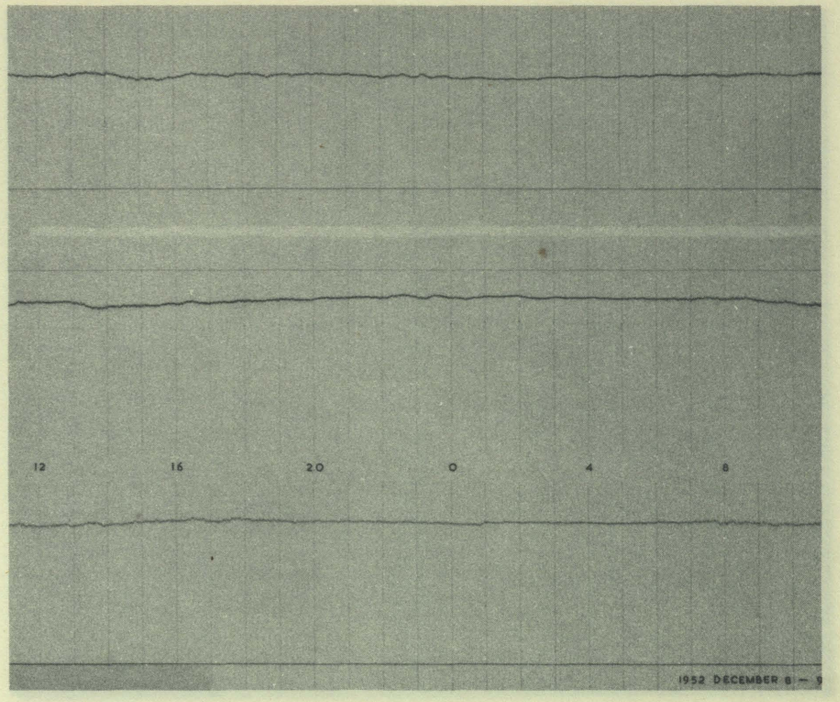
0
4
8
1952 DECEMBER 7 — 8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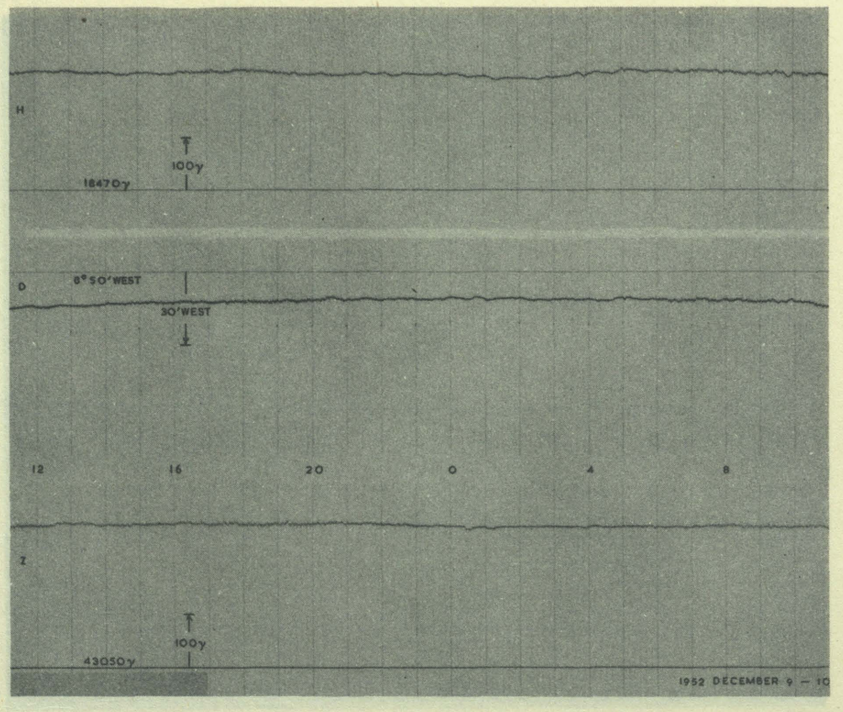
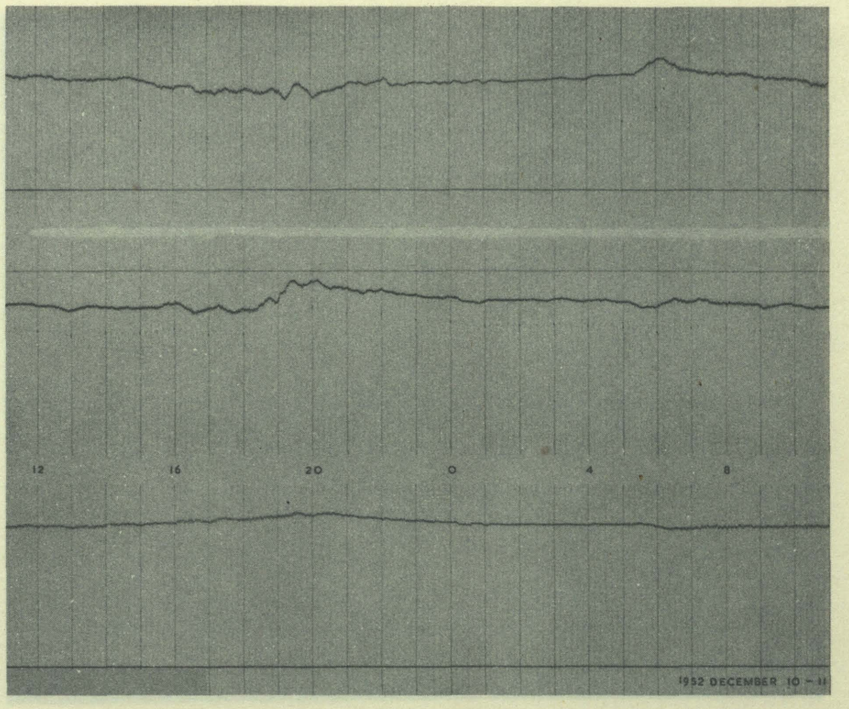
0
4
8
1952 DECEMBER 8 — 9


H
100γ
18470γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 DECEMBER 9 — 10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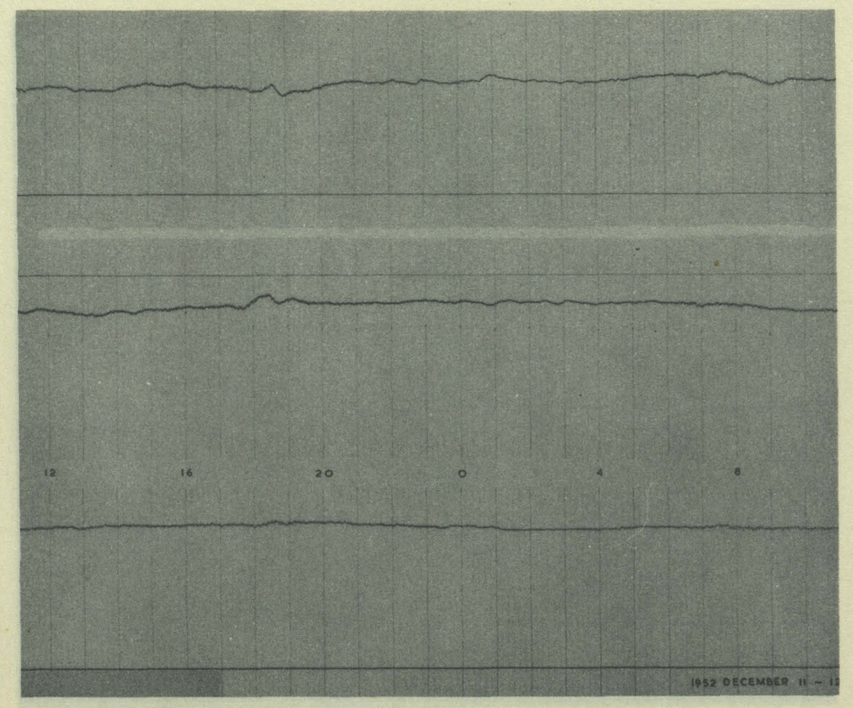
1952 DECEMBER 10 — 11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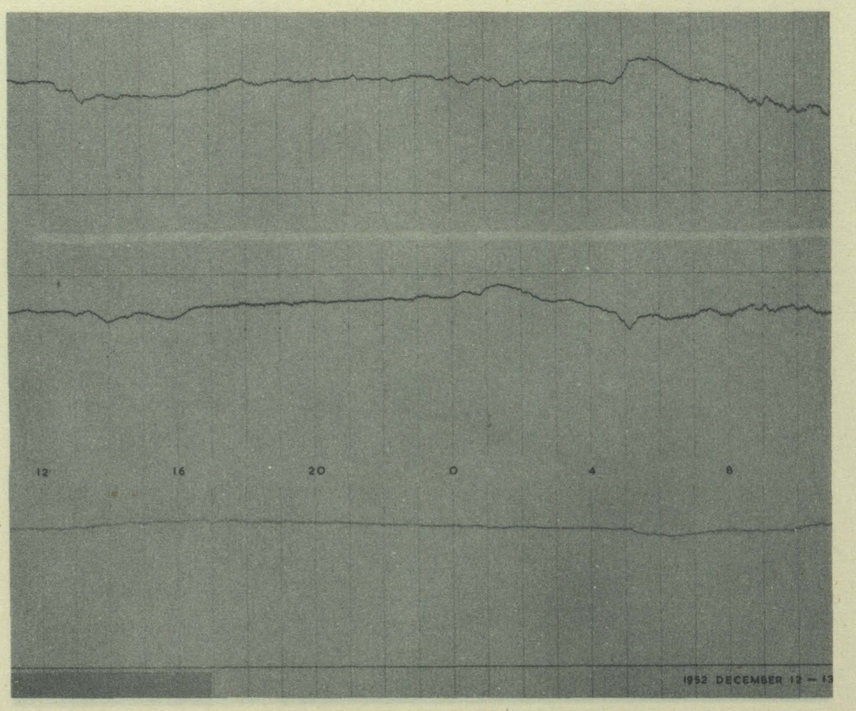
4
8
1952 DECEMBER 11 — 12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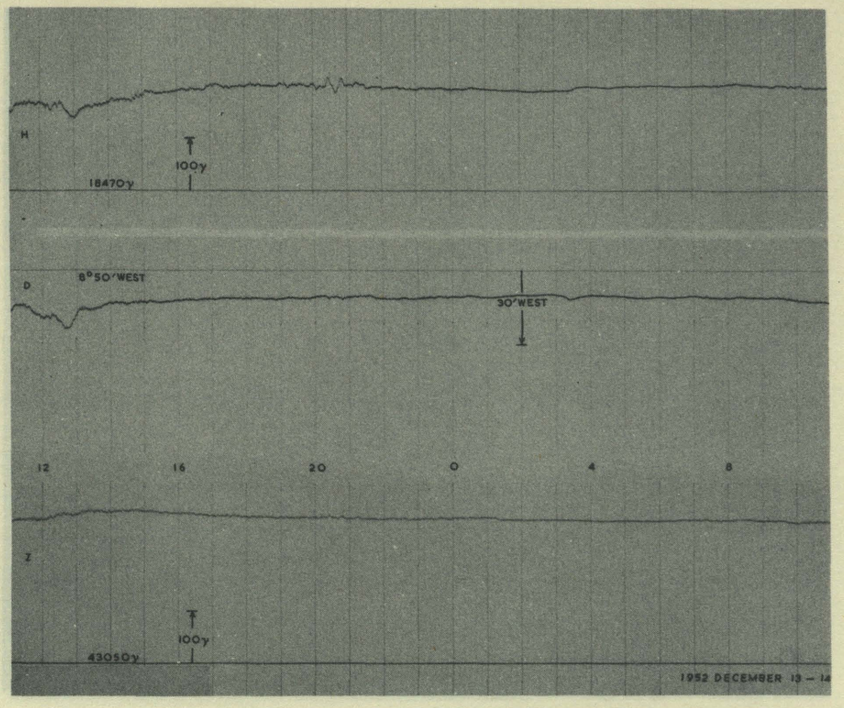
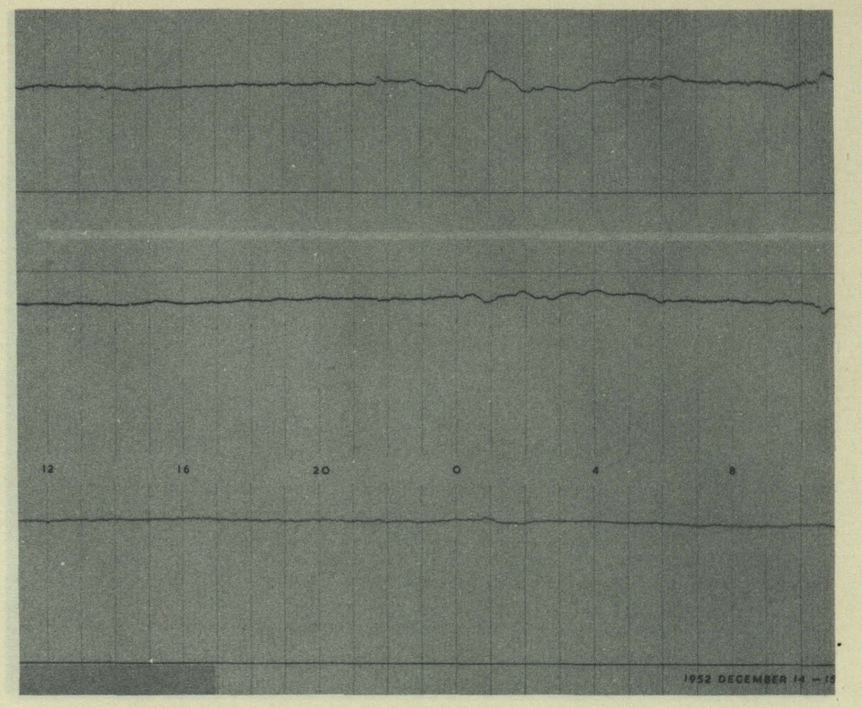
0
4
8
1952 DECEMBER 12 — 13


H
100γ
18470γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 DECEMBER 13 – 14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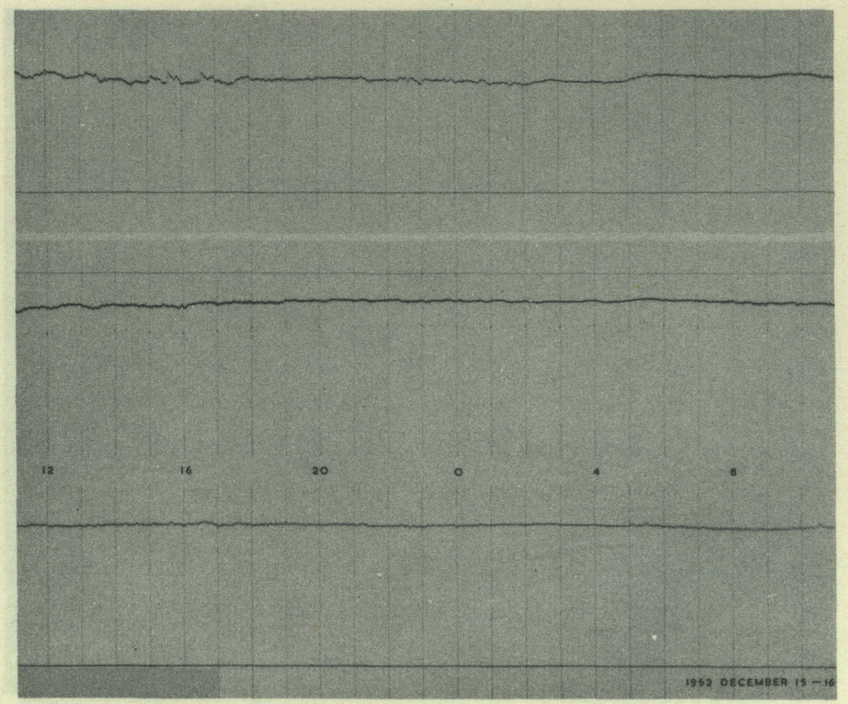
1952 DECEMBER 14 – 15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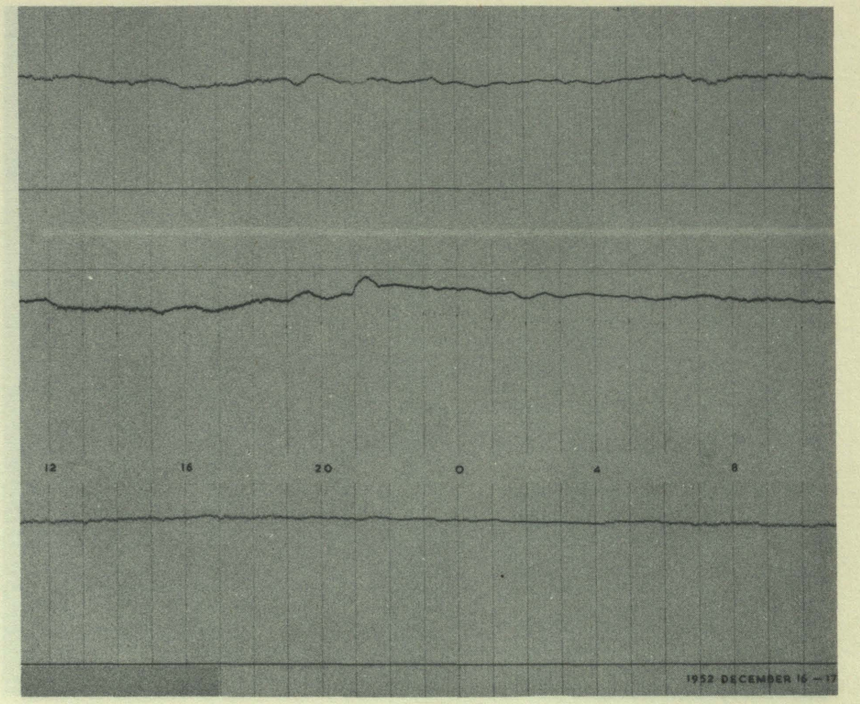
1952 DECEMBER 15 – 16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0
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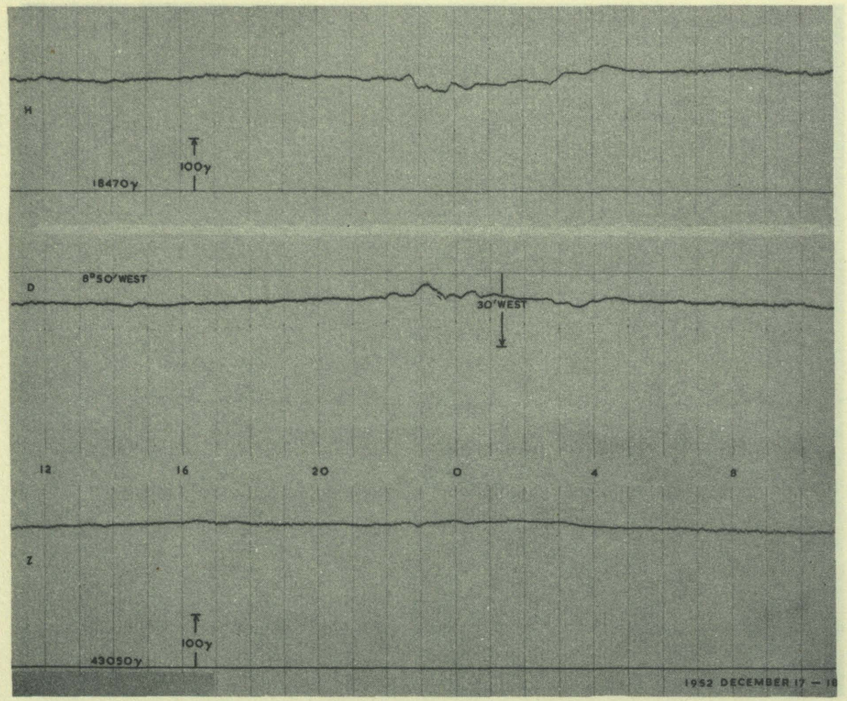
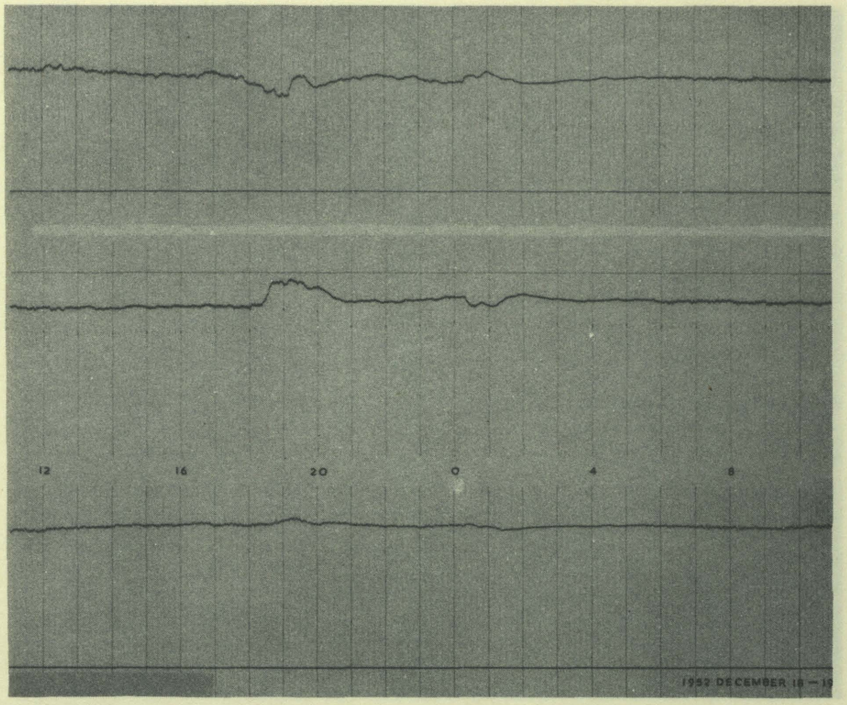
8
1952 DECEMBER 16 – 17


H
100γ
18470γ
D
8°50'WEST
30'WEST
12
16
20
0
4
8
Z
100γ
43050γ
1952 DECEMBER 17 — 18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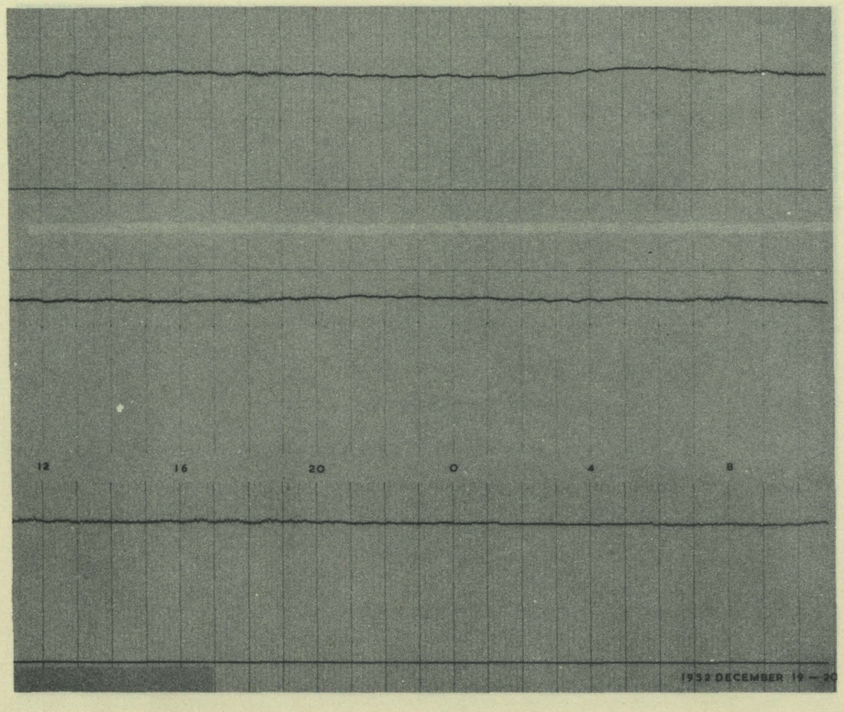
1952 DECEMBER 18 — 19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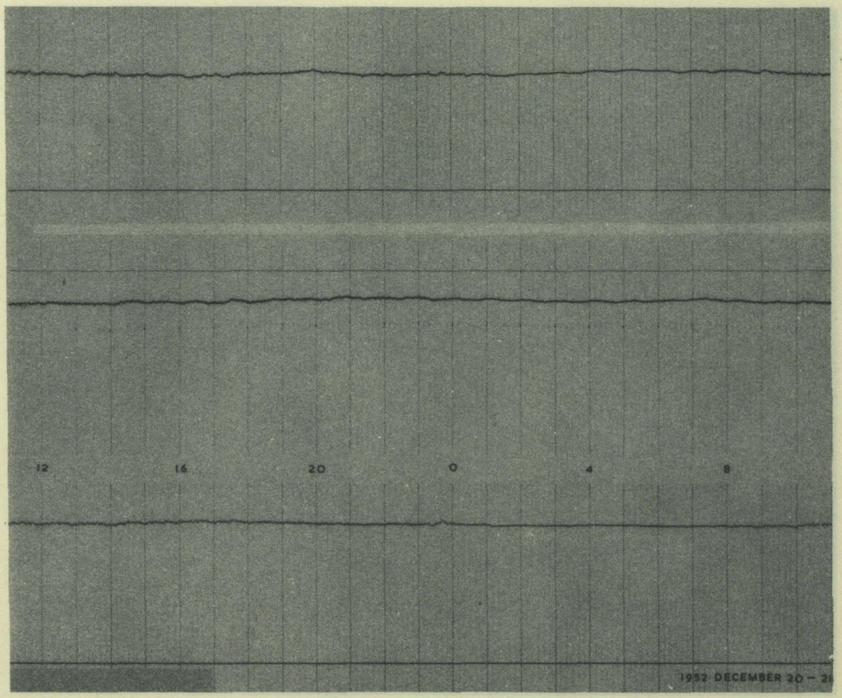
1952 DECEMBER 19 — 20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4
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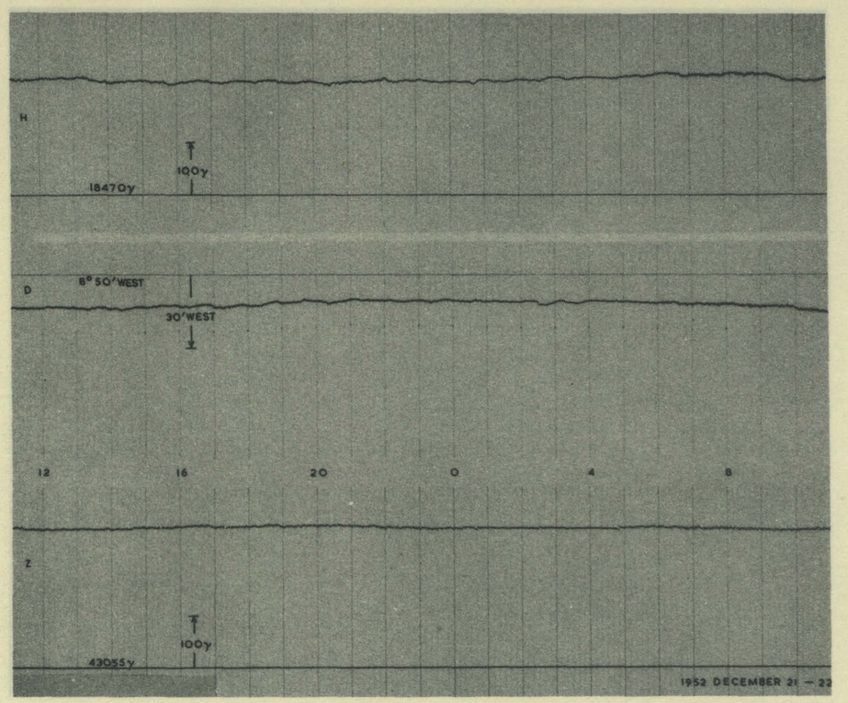
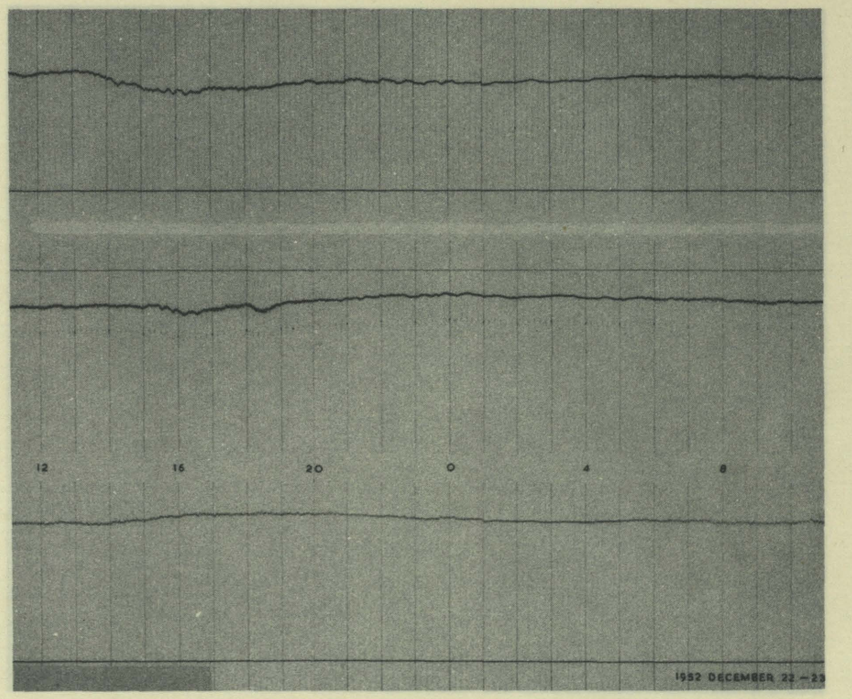
1952 DECEMBER 20 — 21


H
100γ
18470γ
D
8° 50' WEST
30' WEST
12
16
20
0
4
8
Z
100γ
43055γ
1952 DECEMBER 21 — 22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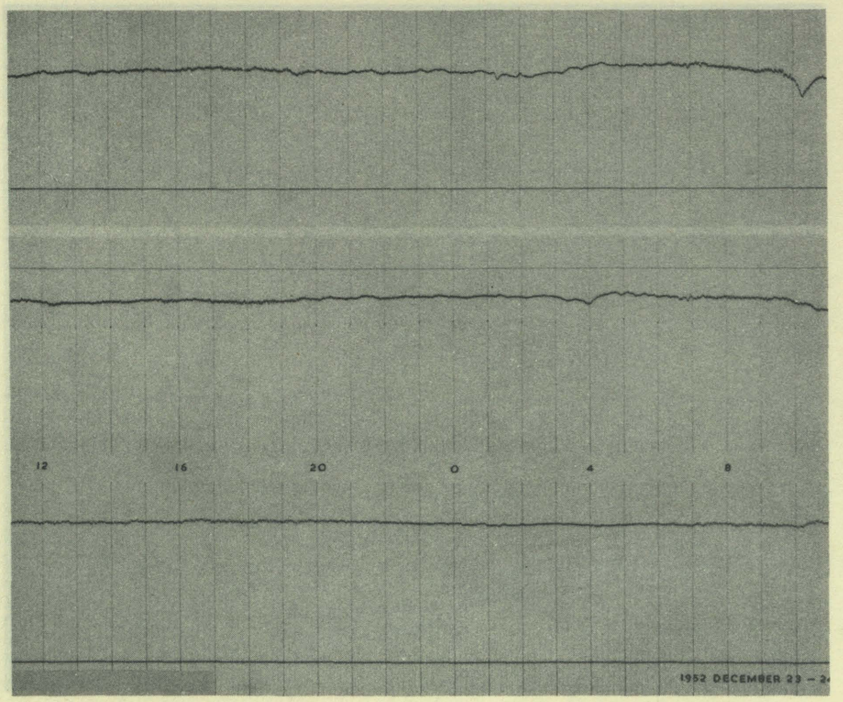
1952 DECEMBER 22 — 23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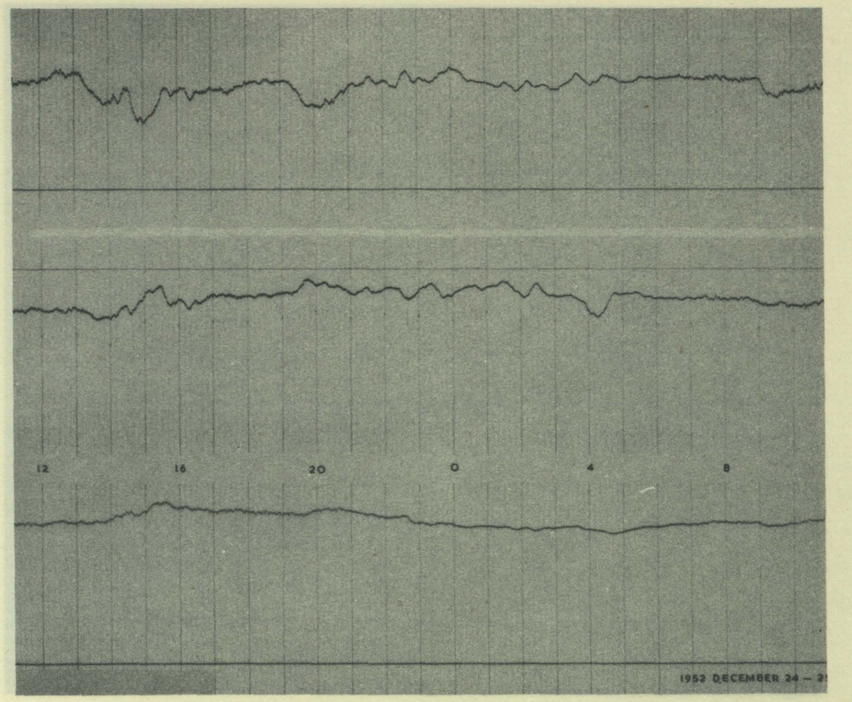
1952 DECEMBER 23 — 24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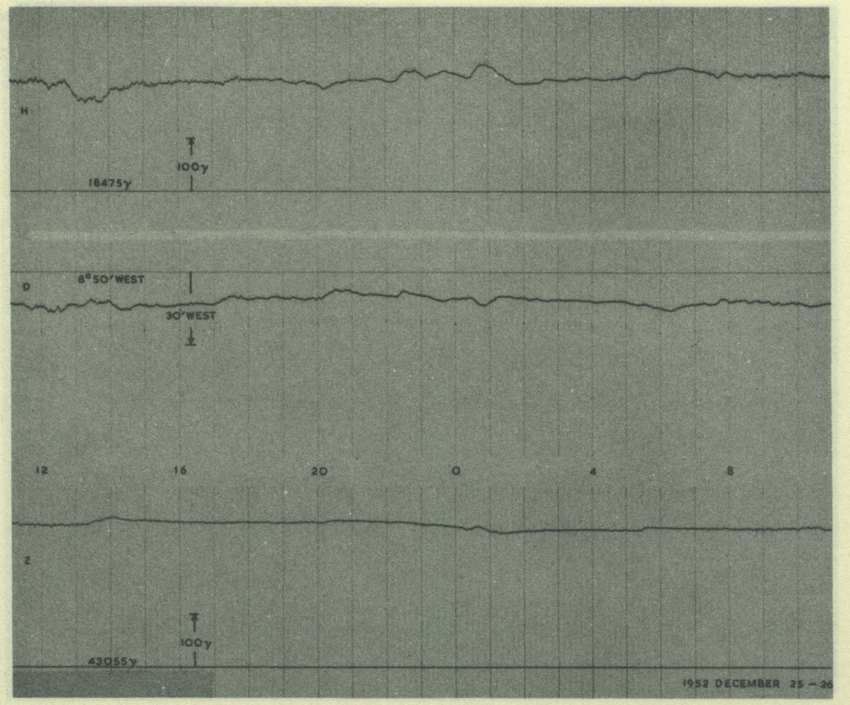
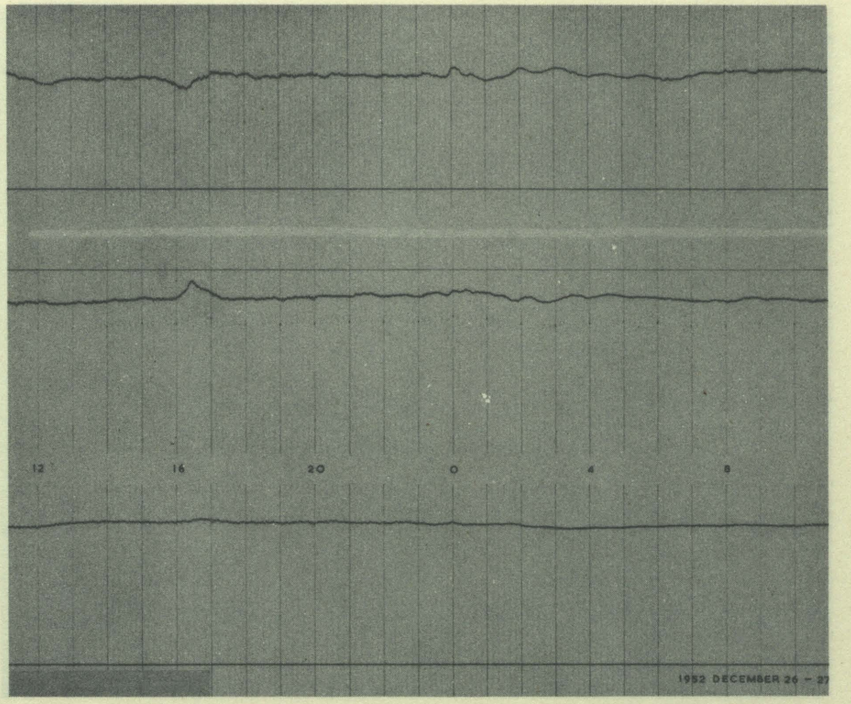
1952 DECEMBER 24 — 25


H
100γ
18475γ
D
8°50' WEST
30' WEST
12
16
20
0
4
8
Z
100γ
43055γ
1952 DECEMBER 25 – 26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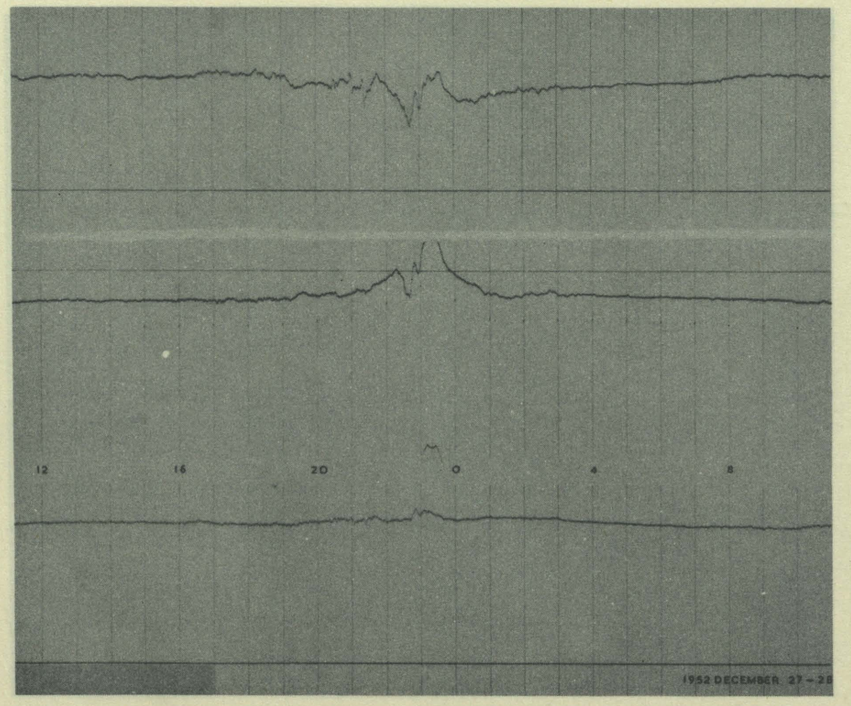
1952 DECEMBER 26 – 27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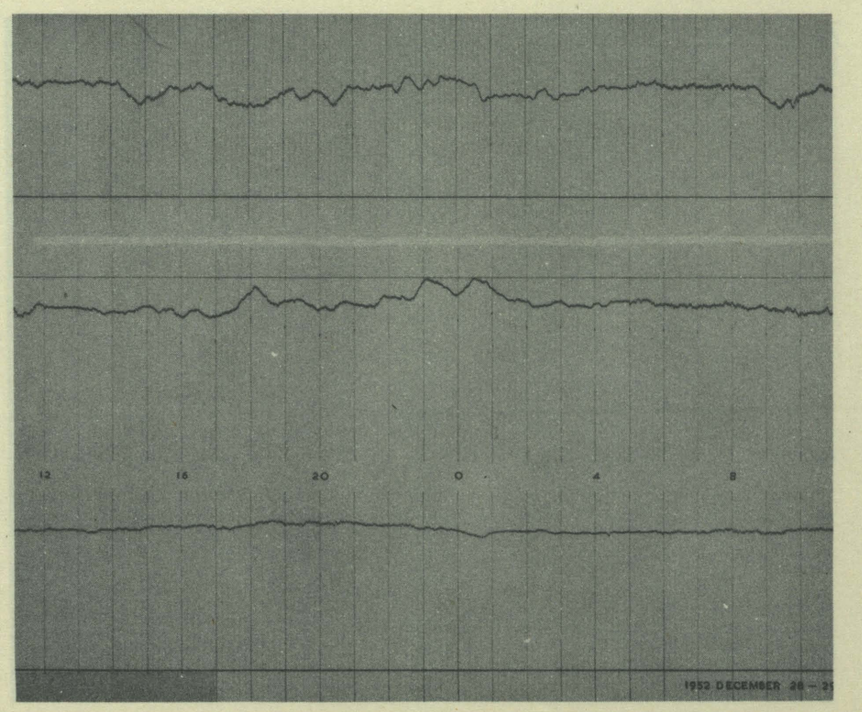
8
1952 DECEMBER 27 – 28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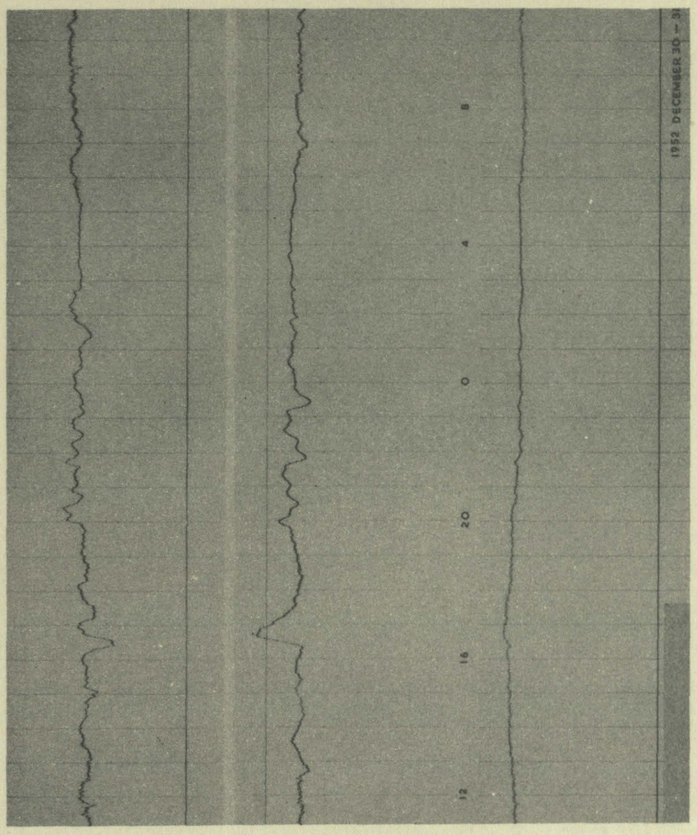
1952 DECEMBER 28 – 29


1952 DECEMBER 30 – 31
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12
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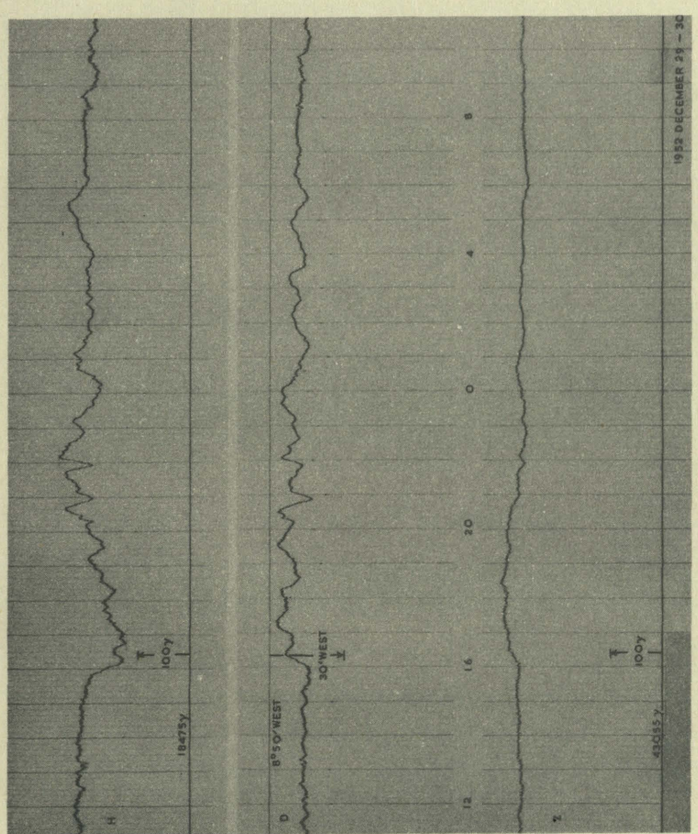
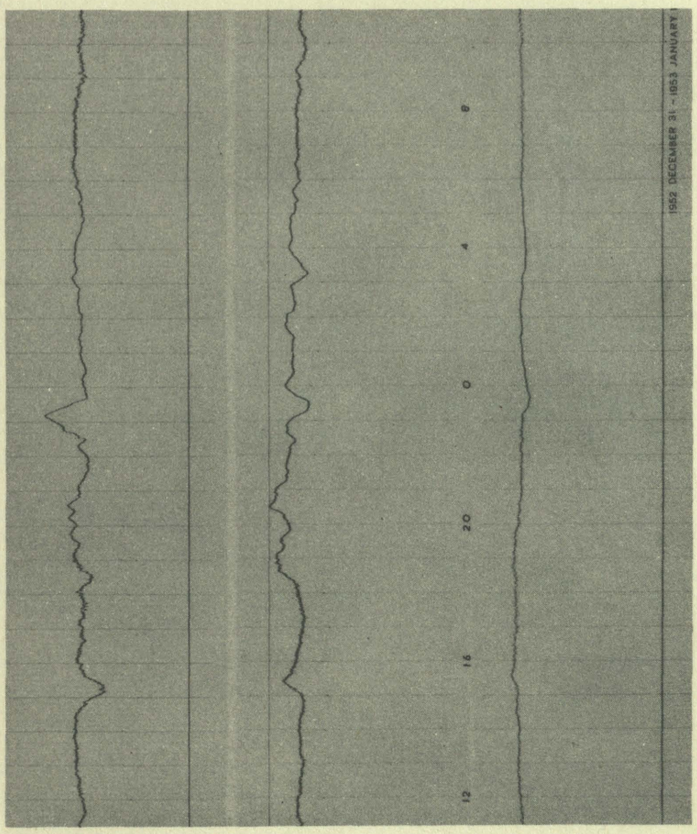
20


1952 DECEMBER 29 – 30
H
18475γ
100γ
D
8°50'WEST
30'WEST
Z
43055γ
100γ
0
4
8
12
16
20


1952 DECEMBER 31 – 1953 JANUARY 1
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16
20