# ROYAL
# GREENWICH OBSERVATORY
# BULLETINS

*Number 17*

## Magnetic Results 1956

## (Abinger)

Herstmonceux Castle
Hailsham, Sussex

R. v. d. R. Woolley
*Astronomer Royal*

LONDON: HER MAJESTY'S STATIONERY OFFICE
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# ABINGER MAGNETIC OBSERVATIONS, 1956

## STAFF

Staff engaged in the Magnetic Department during the year 1956 were H. F. Finch (Superintendent), B. R. Leaton, E. A. Chamberlain (Officer-in-Charge at Abinger), P. L. Rickerby, G. F. Wells, P. J. Willmoth, R. G. Lorton, Miss S. H. Francis and P. Rowe.

## THE MAGNETIC OBSERVATORY*

| | |
|---|---|
| Latitude | 51°11′ 5″ North |
| Longitude | 0°23′12″ West |
| Height above m.s.l. | 800 feet |

*Variometers.*

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

*Observing Instruments.*

D, Declinometer with collimating magnet and theodolite.

H, Schuster-Smith Coil magnetometer.

Z, Dye Coil magnetometer.

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

*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.

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

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.

Table X. 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.

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.

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

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

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

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

*Magnetograms.*

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

## TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

| U.T. | 0h | 1h | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 11h | 12h | 13h | 14h | 15h | 16h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **JANUARY** | | | | | | 8°+ Tabular Quantities | | | | | | | | | | | |
| | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | |
| 1 | 33.6 | 31.6 | 34.0 | 37.0 | 38.1 | 40.0 | 39.4 | 39.5 | 39.0 | 39.3 | 40.6 | 42.0 | 42.9 | 43.6 | 44.5 | 44.3 | |
| 2 | 36.8 | 37.2 | 38.0 | 37.6 | 38.6 | 39.6 | 39.8 | 39.6 | 39.0 | 38.0 | 39.6 | 40.9 | 42.2 | 42.8 | 42.1 | 43.4 | |
| 3 | 37.2 | 36.5 | 38.4 | 37.0 | 38.0 | 39.2 | 40.2 | 40.2 | 39.8 | 39.7 | 39.6 | 40.5 | 42.6 | 44.5 | 42.5 | 43.1 | |
| 4 | 35.0 | 34.2 | 37.1 | 37.6 | 37.7 | 39.0 | 39.6 | 40.2 | 39.8 | 39.7 | 41.7 | 43.0 | 42.8 | 44.7 | 43.4 | 41.7 | |
| 5 | 37.0 | 37.5 | 36.9 | 39.6 | 39.0 | 38.6 | 40.7 | 40.7 | 39.8 | 39.6 | 41.5 | 41.6 | 42.4 | 42.9 | 42.8 | 41.8 | |
| 6 | 39.5 | 37.2 | 36.5 | 38.6 | 39.1 | 39.8 | 40.4 | 40.1 | 39.7 | 40.0 | 40.1 | 40.9 | 43.7 | 45.2 | 45.0 | 44.6 | |
| 7 | 39.1 | 39.1 | 38.7 | 38.6 | 38.8 | 39.6 | 39.8 | 39.5 | 38.6 | 38.8 | 40.2 | 41.7 | 44.3 | 44.7 | 44.8 | 44.7 | |
| 8 * | 36.8 | 39.4 | 39.3 | 39.6 | 40.3 | 39.7 | 39.5 | 39.0 | 38.6 | 38.4 | 39.2 | 41.4 | 43.7 | 44.7 | 43.2 | 41.6 | |
| 9 | 39.8 | 38.6 | 39.1 | 38.6 | 40.0 | 40.2 | 39.2 | 39.2 | 38.5 | 38.7 | 39.5 | 42.6 | 46.7 | 47.6 | 44.6 | 42.1 | |
| 10 | 39.6 | 39.5 | 39.6 | 40.6 | 39.7 | 41.0 | 41.2 | 40.9 | 39.5 | 39.0 | 40.3 | 42.6 | 46.6 | 49.3 | 46.9 | 45.6 | |
| 11 ** | 32.8 | 35.0 | 38.6 | 34.3 | 37.4 | 39.7 | 43.6 | 44.9 | 41.9 | 40.8 | 42.4 | 47.6 | 44.6 | 47.4 | 44.3 | 44.8 | |
| 12 | 38.8 | 39.1 | 39.6 | 40.3 | 40.6 | 41.1 | 40.8 | 39.2 | 37.7 | 38.0 | 39.0 | 41.3 | 43.7 | 44.9 | 45.7 | 44.0 | |
| 13 | 36.6 | 37.8 | 38.4 | 39.4 | 40.6 | 42.0 | 40.7 | 39.4 | 38.3 | 38.5 | 39.8 | 40.7 | 43.1 | 44.1 | 44.5 | 43.3 | |
| 14 | 37.8 | 38.5 | 37.1 | 38.0 | 38.1 | 39.1 | 39.6 | 38.7 | 37.3 | 38.3 | 39.9 | 39.9 | 41.7 | 42.8 | 41.5 | 40.0 | |
| 15 * | 39.5 | 39.5 | 39.9 | 40.2 | 40.3 | 39.9 | 39.2 | 39.1 | 38.9 | 39.0 | 40.0 | 40.1 | 42.0 | 43.5 | 42.6 | 42.2 | |
| 16 * | 39.1 | 39.1 | 41.3 | 40.0 | 39.6 | 39.6 | 39.5 | 38.9 | 37.5 | 38.1 | 39.4 | 39.5 | 42.2 | 44.3 | 42.2 | 41.9 | |
| 17 | 39.5 | 39.5 | 39.5 | 39.4 | 39.5 | 39.1 | 39.1 | 38.7 | 38.5 | 38.6 | 40.0 | 41.6 | 43.1 | 44.9 | 44.0 | 42.9 | |
| 18 ** | 38.2 | 37.7 | 42.9 | 36.4 | 36.9 | 40.2 | 38.8 | 42.4 | 41.1 | 42.3 | 43.6 | 43.5 | 44.0 | 45.3 | 48.7 | 47.0 | |
| 19 ** | 33.5 | 37.4 | 39.3 | 40.0 | 42.7 | 40.5 | 39.3 | 38.5 | 38.6 | 39.0 | 42.5 | 44.2 | 46.1 | 46.5 | 43.3 | 43.2 | |
| 20 * | 38.3 | 38.6 | 39.3 | 39.6 | 39.4 | 39.0 | 39.0 | 38.5 | 38.2 | 38.5 | 39.2 | 40.4 | 41.1 | 41.9 | 41.5 | 40.5 | |
| 21 | 39.3 | 39.4 | 39.6 | 39.5 | 39.5 | 39.5 | 39.5 | 38.5 | 37.6 | 38.5 | 39.5 | 40.2 | 41.7 | 43.2 | 41.7 | 40.0 | |
| 22 | 28.0 | 29.2 | 32.2 | 35.2 | 36.5 | 30.6 | 35.4 | 36.7 | 37.0 | 37.3 | 38.5 | 41.1 | 43.3 | 44.7 | 43.7 | 41.8 | |
| 23 | 39.5 | 39.6 | 39.7 | 39.6 | 39.4 | 39.6 | 39.5 | 38.5 | 37.5 | 37.5 | 38.5 | 40.5 | 42.4 | 44.2 | 42.7 | 41.7 | |
| 24 ** | 38.3 | 39.5 | 38.6 | 37.5 | 40.2 | 36.8 | 38.1 | 40.2 | 40.7 | 40.5 | 41.5 | 42.4 | 46.7 | 44.1 | 46.2 | 44.9 | |
| 25 | 26.5 | 34.5 | 38.6 | 36.7 | 38.2 | 39.6 | 42.3 | 40.0 | 39.3 | 39.5 | 40.2 | 41.5 | 43.2 | 44.6 | 43.2 | 42.2 | |
| 26 * | 39.3 | 38.8 | 38.9 | 39.2 | 39.1 | 38.5 | 38.4 | 38.1 | 37.4 | 37.7 | 38.8 | 39.9 | 41.5 | 44.1 | 42.3 | 41.4 | |
| 27 | 39.3 | 38.8 | 39.5 | 39.6 | 39.6 | 39.4 | 39.3 | 39.0 | 39.1 | 41.1 | 42.1 | 42.7 | 45.3 | 46.5 | 48.3 | 47.2 | |
| 28 ** | 36.5 | 38.9 | 31.1 | 32.5 | 37.3 | 42.7 | 38.1 | 38.8 | 39.4 | 38.5 | 37.5 | 40.6 | 43.4 | 44.6 | 41.5 | 42.8 | |
| 29 | 38.3 | 37.2 | 36.8 | 37.2 | 36.9 | 36.6 | 38.1 | 37.9 | 38.4 | 38.0 | 39.1 | 41.0 | 42.3 | 44.5 | 44.2 | 42.6 | |
| 30 | 38.0 | 35.5 | 38.6 | 36.6 | 35.9 | 36.8 | 38.2 | 38.3 | 38.7 | 38.4 | 39.4 | 40.6 | 43.3 | 45.5 | 44.6 | 43.6 | |
| 31 | 34.5 | 37.3 | 35.9 | 37.0 | 36.3 | 36.7 | 38.0 | 38.0 | 38.3 | 38.7 | 40.4 | 41.6 | 42.4 | 44.8 | 41.9 | 41.4 | |
| Mean | 37.0 | 37.5 | 38.2 | 38.2 | 38.8 | 39.2 | 39.5 | 39.4 | 38.8 | 39.0 | 40.1 | 41.6 | 43.4 | 44.4 | 43.8 | 43.0 | |
| Mean * | 38.6 | 39.1 | 39.7 | 39.7 | 39.7 | 39.3 | 39.1 | 38.7 | 38.1 | 38.3 | 39.3 | 40.3 | 42.1 | 43.3 | 42.4 | 41.5 | |
| Mean ** | 35.9 | 37.7 | 38.1 | 36.1 | 38.9 | 40.0 | 39.6 | 41.0 | 40.3 | 40.2 | 41.5 | 43.7 | 45.0 | 45.4 | 44.8 | 44.5 | |
| **FEBRUARY** | | | | | | 8° + Tabular Quantities | | | | | | | | | | | |
| | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | |
| 1 | 32.5 | 30.6 | 32.2 | 35.1 | 36.9 | 37.0 | 37.0 | 39.4 | 39.8 | 40.9 | 40.5 | 41.5 | 43.7 | 44.4 | 42.4 | 42.1 | |
| 2 | 35.2 | 35.5 | 37.7 | 36.9 | 37.8 | 37.8 | 37.5 | 37.9 | 38.6 | 39.3 | 40.8 | 41.6 | 42.8 | 43.2 | 42.3 | 42.3 | |
| 3 | 33.9 | 35.5 | 35.8 | 38.4 | 40.2 | 38.9 | 38.8 | 38.7 | 38.5 | 39.2 | 39.5 | 41.3 | 42.2 | 44.1 | 43.8 | 41.6 | |
| 4 | 36.6 | 38.1 | 38.0 | 38.3 | 38.4 | 38.4 | 38.5 | 38.4 | 37.6 | 37.5 | 39.5 | 41.1 | 41.5 | 42.9 | 42.3 | 40.9 | |
| 5 | 38.7 | 38.5 | 38.8 | 38.4 | 38.4 | 37.5 | 37.7 | 38.0 | 37.5 | 37.5 | 39.6 | 42.3 | 44.2 | 44.8 | 43.4 | 41.5 | |
| 6 | 34.5 | 34.3 | 39.4 | 39.5 | 38.8 | 39.0 | 38.6 | 38.6 | 37.6 | 37.5 | 40.5 | 41.5 | 41.9 | 44.5 | 43.0 | 42.0 | |
| 7 * | 39.1 | 39.5 | 39.5 | 38.5 | 39.1 | 39.3 | 38.6 | 38.0 | 37.4 | 37.0 | 38.9 | 40.7 | 42.5 | 44.3 | 43.0 | 41.7 | |
| 8 * | 37.4 | 38.5 | 39.5 | 39.6 | 39.3 | 39.1 | 38.6 | 38.0 | 37.2 | 37.2 | 39.1 | 41.9 | 43.0 | 44.6 | 43.1 | 42.5 | |
| 9 * | 37.6 | 37.5 | 38.5 | 38.5 | 38.6 | 38.5 | 38.5 | 38.0 | 37.0 | 37.0 | 38.1 | 40.1 | 41.0 | 41.9 | 42.0 | 41.8 | |
| 10 * | 39.5 | 39.5 | 39.7 | 39.8 | 39.6 | 39.6 | 39.4 | 38.5 | 37.4 | 36.9 | 39.3 | 42.1 | 43.1 | 43.2 | 42.5 | 41.6 | |
| 11 ** | 38.5 | 36.5 | 34.0 | 36.6 | 39.3 | 39.2 | 39.2 | 38.7 | 37.8 | 36.8 | 39.4 | 42.5 | 45.1 | 46.4 | 46.1 | 45.7 | |
| 12 ** | 31.7 | 32.7 | 35.5 | 38.6 | 39.2 | 44.4 | 46.2 | 39.1 | 38.5 | 38.5 | 40.6 | 40.4 | 41.8 | 42.7 | 42.5 | 41.4 | |
| 13 | 37.5 | 37.5 | 38.5 | 38.5 | 39.0 | 39.1 | 40.4 | 39.7 | 38.4 | 37.4 | 38.8 | 42.4 | 42.8 | 43.7 | 44.1 | 43.5 | |
| 14 * | 39.3 | 39.4 | 39.5 | 38.5 | 39.1 | 38.8 | 38.5 | 37.5 | 36.1 | 35.1 | 36.2 | 38.8 | 41.5 | 43.6 | 44.2 | 43.5 | |
| 15 | 39.2 | 39.5 | 39.8 | 39.7 | 39.8 | 39.6 | 39.1 | 37.9 | 35.9 | 34.9 | 36.3 | 39.9 | 44.1 | 46.3 | 46.2 | 44.3 | |
| 16 | 37.2 | 37.9 | 38.4 | 41.7 | 38.0 | 36.4 | 37.4 | 37.2 | 35.6 | 34.5 | 36.5 | 41.5 | 46.6 | 47.8 | 49.1 | 46.3 | |
| 17 | 38.8 | 40.5 | 39.1 | 39.5 | 39.3 | 39.1 | 39.0 | 38.4 | 36.5 | 35.7 | 37.4 | 40.7 | 43.5 | 45.2 | 44.6 | 43.5 | |
| 18 | 38.9 | 38.9 | 39.1 | 39.4 | 40.1 | 39.6 | 39.5 | 38.5 | 36.8 | 35.3 | 35.9 | 38.8 | 43.3 | 44.5 | 44.3 | 43.3 | |
| 19 | 39.1 | 38.9 | 39.5 | 38.5 | 38.7 | 38.4 | 39.4 | 37.8 | 35.6 | 34.7 | 37.4 | 41.7 | 47.2 | 46.5 | 45.7 | 44.5 | |
| 20 | 38.6 | 38.9 | 39.3 | 39.3 | 39.2 | 39.1 | 38.8 | 37.9 | 36.5 | 35.7 | 37.2 | 39.9 | 45.3 | 46.5 | 46.6 | 44.5 | |
| 21 | 39.3 | 39.3 | 39.3 | 39.5 | 39.5 | 38.5 | 38.3 | 37.2 | 35.2 | 34.9 | 36.9 | 39.7 | 43.2 | 44.8 | 44.5 | 43.4 | |
| 22 | 39.4 | 38.9 | 38.3 | 37.5 | 40.4 | 39.6 | 39.1 | 37.5 | 35.6 | 35.4 | 36.5 | 39.9 | 42.5 | 45.2 | 45.5 | 45.3 | |
| 23 | 39.3 | 39.2 | 38.8 | 38.6 | 38.5 | 38.2 | 37.7 | 36.6 | 35.6 | 36.2 | 37.3 | 40.0 | 42.3 | 44.4 | 44.4 | 42.9 | |
| 24 | 39.4 | 39.4 | 39.2 | 38.9 | 38.5 | 38.2 | 37.7 | 36.2 | 35.0 | 34.7 | 35.9 | 40.0 | 43.7 | 44.4 | 44.7 | 43.2 | |
| 25 ** | 38.8 | 38.9 | 38.9 | 42.0 | 41.2 | 39.4 | 39.4 | 45.1 | 42.3 | 40.8 | 35.9 | 40.2 | 44.4 | 49.8 | 50.4 | 60.3 | |
| 26 | 33.6 | 33.8 | 35.1 | 35.1 | 34.8 | 34.7 | 34.6 | 35.6 | 34.6 | 36.4 | 38.4 | 40.8 | 44.9 | 43.9 | 43.4 | 43.2 | |
| 27 | 34.5 | 33.4 | 32.0 | 34.1 | 36.0 | 36.5 | 36.0 | 34.9 | 35.4 | 36.4 | 37.4 | 39.5 | 41.8 | 42.9 | 42.4 | 41.6 | |
| 28 ** | 34.4 | 36.5 | 37.4 | 39.4 | 34.2 | 34.9 | 35.9 | 35.9 | 36.3 | 37.1 | 39.2 | 41.1 | 43.8 | 45.0 | 43.4 | 42.4 | |
| 29 ** | 32.4 | 31.8 | 32.8 | 33.7 | 32.4 | 33.8 | 36.3 | 37.1 | 35.5 | 36.1 | 37.7 | 41.7 | 43.4 | 44.9 | 48.4 | 47.4 | |
| Mean | 37.1 | 37.2 | 37.7 | 38.3 | 38.4 | 38.4 | 38.5 | 38.0 | 37.0 | 36.8 | 38.2 | 40.8 | 43.3 | 44.5 | 44.4 | 43.7 | |
| Mean * | 38.6 | 38.9 | 39.3 | 39.0 | 39.1 | 39.1 | 38.7 | 38.0 | 37.0 | 36.6 | 38.3 | 40.7 | 42.2 | 43.1 | 43.0 | 42.2 | |
| Mean ** | 35.2 | 35.3 | 35.7 | 38.1 | 37.3 | 38.3 | 39.4 | 39.2 | 38.1 | 37.9 | 38.6 | 41.2 | 43.7 | 45.8 | 46.2 | 47.4 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

| $16^h$ | $17^h$ | $18^h$ | $19^h$ | $20^h$ | $21^h$ | $22^h$ | $23^h$ | $24^h$ | Mean | Maximum | | Minimum | | Range | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8° + Tabular Quantities | | | | | | | | | | | | | | | JANUARY | |
| ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | | ′ | h m | ′ | ′ | h m | ′ | | |
| 39.0 | 45.0 | 42.2 | 40.0 | 34.6 | 24.6 | 31.6 | 34.2 | | 38.4 | 17 18 | 46.0 | 23.3 | 21 55 | 22.7 | 1 | |
| 40.6 | 41.7 | 41.5 | 36.6 | 34.1 | 36.5 | 37.0 | 35.5 | | 39.1 | 15 50 | 44.6 | 31.1 | 20 1 | 13.5 | 2 | |
| 44.1 | 41.7 | 41.2 | 40.6 | 39.6 | 38.2 | 38.8 | 35.2 | | 39.9 | 16 53 | 44.7 | 33.7 | 23 26 | 11.0 | 3 | |
| 42.1 | 43.4 | 41.6 | 31.1 | 40.3 | 39.3 | 37.3 | 32.8 | | 39.4 | 17 58 | 44.7 | 22.6 | 19 14 | 22.1 | 4 | |
| 41.7 | 41.9 | 38.6 | 36.1 | 40.6 | 39.0 | 38.1 | 38.6 | | 39.9 | 14 12 | 44.6 | 29.0 | 19 1 | 15.6 | 5 | |
| 41.6 | 42.3 | 41.6 | 39.9 | 34.8 | 35.7 | 37.6 | 38.4 | | 40.1 | 13 55 | 47.1 | 30.8 | 20 38 | 16.3 | 6 | |
| 36.5 | 41.5 | 41.6 | 40.2 | 38.9 | 35.1 | 34.6 | 35.6 | | 39.8 | 15 52 | 46.7 | 29.5 | 16 48 | 17.2 | 7 | |
| 40.8 | 40.9 | 41.3 | 39.3 | 39.7 | 39.0 | 38.4 | 38.7 | | 40.1 | 13 48 | 45.4 | 35.5 | 0 4 | 9.9 | 8 | * |
| 39.6 | 40.2 | 39.6 | 38.1 | 38.7 | 37.4 | 39.4 | 39.7 | | 40.3 | 13 2 | 49.2 | 36.4 | 21 24 | 12.8 | 9 | |
| 45.9 | 39.7 | 32.0 | 39.5 | 38.2 | 31.6 | 31.8 | 29.5 | | 40.0 | 12 51 | 51.3 | 24.0 | 18 12 | 27.3 | 10 | |
| 44.6 | 43.5 | 33.6 | 32.8 | 37.7 | 38.4 | 38.3 | 38.5 | | 40.3 | 11 29 | 50.1 | 20.5 | 18 55 | 29.6 | 11 | ** |
| 46.6 | 47.8 | 46.8 | 36.5 | 30.0 | 33.4 | 35.8 | 35.5 | | 40.3 | 16 57 | 51.0 | 13.2† | 20 1 | 37.8 | 12 | |
| 42.4 | 41.6 | 41.6 | 40.6 | 39.5 | 38.7 | 38.6 | 38.6 | | 40.4 | 14 31 | 45.4 | 35.5 | 0 20 | 9.9 | 13 | |
| 40.0 | 40.5 | 39.6 | 38.5 | 38.9 | 37.2 | 37.5 | 39.5 | | 39.2 | 13 28 | 43.5 | 34.4 | 21 57 | 9.1 | 14 | |
| 41.5 | 41.2 | 40.5 | 39.9 | 39.5 | 39.1 | 38.6 | 37.9 | | 40.2 | 13 19 | 44.4 | 37.1 | 23 42 | 7.3 | 15 | * |
| 41.6 | 40.9 | 40.8 | 39.6 | 39.4 | 39.0 | 39.5 | 39.5 | | 40.1 | 13 19 | 44.5 | 36.8 | 8 50 | 7.7 | 16 | * |
| 42.2 | 42.0 | 41.4 | 40.5 | 39.6 | 38.6 | 37.0 | 36.7 | | 40.2 | 13 9 | 45.3 | 34.1 | 23 0 | 11.2 | 17 | |
| 43.5 | 42.5 | 42.0 | 31.5 | 30.4 | 25.0 | 31.5 | 35.0 | | 39.6 | 14 48 | 51.8† | 18.1 | 21 55 | 33.7 | 18 | ** |
| 41.4 | 43.4 | 40.6 | 32.7 | 35.7 | 36.5 | 37.6 | 36.9 | | 40.0 | 13 7 | 50.0 | 27.2 | 0 47 | 22.8 | 19 | ** |
| 40.4 | 40.2 | 40.3 | 39.8 | 39.5 | 39.0 | 38.6 | 39.1 | | 39.6 | 13 30 | 42.5 | 37.3 | 0 13 | 5.2 | 20 | * |
| 38.5 | 42.4 | 41.7 | 40.6 | 39.0 | 38.2 | 36.4 | 36.0 | | 39.6 | 17 29 | 44.5 | 28.7 | 24 0 | 15.8 | 21 | |
| 41.3 | 42.2 | 41.5 | 40.8 | 40.5 | 39.7 | 39.5 | 39.5 | | 38.2 | 13 49 | 46.2 | 26.6 | 1 43 | 19.6 | 22 | |
| 40.6 | 40.5 | 40.8 | 37.3 | 29.2 | 31.5 | 37.9 | 35.2 | | 38.9 | 22 23 | 48.1 | 26.0 | 20 42 | 22.1 | 23 | |
| 42.5 | 39.5 | 38.9 | 31.4 | 27.4 | 30.7 | 28.7 | 30.7 | | 38.6 | 12 40 | 48.1 | 18.1 | 19 40 | 30.0 | 24 | ** |
| 41.1 | 40.2 | 40.5 | 38.3 | 39.3 | 38.7 | 38.9 | 39.3 | | 39.4 | 14 3 | 44.7 | 23.3 | 0 20 | 21.4 | 25 | |
| 40.8 | 40.5 | 40.3 | 39.6 | 39.2 | 38.8 | 38.8 | 39.2 | | 39.6 | 13 54 | 43.7 | 36.7 | 8 41 | 7.0 | 26 | * |
| 45.5 | 44.5 | 44.3 | 31.6 | 30.3 | 36.6 | 37.5 | 37.1 | | 40.6 | 14 18 | 51.5 | 21.5 | 20 1 | 30.0 | 27 | |
| 40.5 | 40.3 | 41.1 | 34.1 | 25.7 | 34.8 | 36.4 | 36.6 | | 38.1 | 13 14 | 46.4 | 23.9 | 20 13 | 22.5 | 28 | ** |
| 43.6 | 40.3 | 37.5 | 40.5 | 37.3 | 38.3 | 37.8 | 37.5 | | 39.2 | 14 18 | 47.1 | 32.3 | 18 14 | 14.8 | 29 | |
| 42.5 | 36.3 | 39.6 | 39.5 | 39.3 | 33.8 | 34.4 | 36.7 | | 38.9 | 13 46 | 46.7 | 27.6 | 21 48 | 19.1 | 30 | |
| 39.2 | 38.0 | 39.8 | 38.3 | 36.6 | 39.5 | 37.6 | 37.6 | | 38.7 | 13 49 | 46.3 | 32.8 | 0 30 | 13.5 | 31 | |
| 41.7 | 41.5 | 40.5 | 37.6 | 36.6 | 36.2 | 36.8 | 36.8 | | 39.6 | - | 46.6 | 28.6 | - | 18.0 | Mean | |
| 41.0 | 40.7 | 40.6 | 39.6 | 39.5 | 39.0 | 38.8 | 38.9 | | 39.9 | - | 44.1 | 36.7 | - | 7.4 | Mean | * |
| 42.5 | 41.8 | 39.2 | 32.5 | 31.4 | 33.1 | 34.5 | 35.5 | | 39.3 | - | 49.3 | 21.6 | - | 27.7 | Mean | ** |
| 8° + Tabular Quantities | | | | | | | | | | | | | | | FEBRUARY | |
| ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | | ′ | h m | ′ | ′ | h m | ′ | | |
| 40.4 | 40.9 | 40.5 | 38.4 | 35.3 | 35.3 | 35.8 | 36.0 | | 38.3 | 12 49 | 45.5 | 28.7 | 1 6 | 16.8 | 1 | |
| 41.1 | 34.6 | 37.0 | 40.5 | 37.3 | 37.8 | 35.4 | 36.0 | | 38.6 | 12 50 | 45.3 | 27.7 | 17 47 | 17.6 | 2 | |
| 41.0 | 41.0 | 41.6 | 36.5 | 39.0 | 39.2 | 33.7 | 33.3 | | 39.0 | 14 30 | 44.6 | 26.9 | 22 51 | 17.7 | 3 | |
| 40.9 | 40.2 | 40.6 | 38.5 | 39.5 | 35.9 | 36.6 | 38.5 | | 39.1 | 13 5 | 44.5 | 33.4 | 21 10 | 11.1 | 4 | |
| 40.3 | 40.1 | 39.6 | 37.0 | 34.3 | 34.3 | 34.5 | 36.5 | | 38.9 | 12 47 | 45.3 | 32.6 | 20 2 | 12.7 | 5 | |
| 41.5 | 39.6 | 39.9 | 39.9 | 39.5 | 39.2 | 39.2 | 39.4 | | 39.6 | 13 28 | 44.5 | 29.6 | 0 56 | 14.9 | 6 | |
| 41.0 | 40.5 | 40.3 | 40.2 | 40.3 | 39.5 | 37.5 | 36.9 | | 39.7 | 13 8 | 44.3 | 36.0 | 23 3 | 8.3 | 7 | * |
| 42.0 | 41.4 | 40.5 | 40.3 | 39.5 | 39.2 | 39.4 | 38.9 | | 40.0 | 13 11 | 44.6 | 36.3 | 8 46 | 8.3 | 8 | * |
| 41.6 | 41.5 | 41.2 | 40.5 | 39.5 | 39.1 | 39.0 | 39.0 | | 39.4 | 13 53 | 42.6 | 36.3 | 8 50 | 6.3 | 9 | * |
| 41.3 | 40.9 | 41.0 | 40.4 | 39.7 | 38.9 | 38.5 | 38.5 | | 40.0 | 12 7 | 43.7 | 36.4 | 9 9 | 7.3 | 10 | * |
| 48.1 | 46.0 | 43.5 | 39.5 | 28.5 | 33.4 | 29.1 | 32.1 | | 39.3 | 16 51 | 49.0 | 24.9 | 20 25 | 24.1 | 11 | ** |
| 40.5 | 40.6 | 40.6 | 39.6 | 39.3 | 38.7 | 38.5 | 37.5 | | 39.5 | 6 22 | 49.1 | 18.7 | 1 3 | 30.4 | 12 | ** |
| 41.2 | 40.2 | 39.7 | 39.5 | 39.0 | 37.8 | 37.8 | 38.9 | | 39.8 | 14 51 | 45.9 | 36.9 | 9 50 | 9.0 | 13 | |
| 42.0 | 40.8 | 40.3 | 39.8 | 39.5 | 38.8 | 38.8 | 39.1 | | 39.5 | 14 26 | 44.7 | 34.5 | 10 4 | 10.2 | 14 | * |
| 42.7 | 42.5 | 42.1 | 41.2 | 39.5 | 38.3 | 38.8 | 37.5 | | 40.2 | 3 42 | 47.2 | 34.4 | 9 46 | 12.8 | 15 | |
| 44.3 | 41.3 | 34.8 | 37.7 | 35.0 | 36.5 | 37.5 | 37.9 | | 39.5 | 14 40 | 50.1 | 31.9 | 18 23 | 18.2 | 16 | |
| 42.6 | 42.2 | 41.4 | 40.8 | 39.9 | 39.5 | 38.7 | 38.8 | | 40.2 | 13 51 | 45.9 | 35.2 | 8 47 | 10.7 | 17 | |
| 41.4 | 41.3 | 40.9 | 40.5 | 39.4 | 38.8 | 38.8 | 39.0 | | 39.8 | 13 24 | 45.4 | 34.3 | 10 10 | 11.1 | 18 | |
| 43.8 | 41.7 | 41.6 | 40.7 | 39.4 | 39.1 | 36.2 | 38.6 | | 40.2 | 14 48 | 49.1 | 34.2 | 8 30 | 14.9 | 19 | |
| 42.2 | 41.4 | 40.5 | 40.1 | 39.5 | 39.3 | 39.5 | 39.5 | | 40.2 | 14 10 | 48.6 | 35.3 | 9 40 | 13.3 | 20 | |
| 40.9 | 41.1 | 40.8 | 40.4 | 40.4 | 40.0 | 39.6 | 39.5 | | 39.8 | 13 34 | 47.0 | 33.6 | 9 16 | 13.4 | 21 | |
| 42.8 | 42.1 | 41.3 | 39.8 | 39.5 | 39.3 | 39.1 | 39.4 | | 40.0 | 13 44 | 47.2 | 32.7 | 9 2 | 14.5 | 22 | |
| 39.9 | 38.5 | 38.7 | 38.9 | 39.2 | 39.5 | 39.5 | 39.6 | | 39.3 | 13 30 | 45.2 | 34.8 | 8 46 | 10.4 | 23 | |
| 41.7 | 41.5 | 40.3 | 40.8 | 40.4 | 38.9 | 39.5 | 39.2 | | 39.6 | 12 51 | 46.0 | 34.2 | 9 50 | 11.8 | 24 | |
| 56.9 | 49.4 | 42.0 | 36.9 | 20.6 | 34.4 | 36.5 | 35.0 | | 41.6 | 15 38 | 68.2† | 15.9† | 20 32 | 52.3 | 25 | ** |
| 41.8 | 40.9 | 40.5 | 40.5 | 38.9 | 38.4 | 35.8 | 36.2 | | 38.2 | 13 3 | 48.0 | 31.5 | 9 33 | 16.5 | 26 | |
| 40.4 | 40.3 | 39.4 | 30.2 | 33.4 | 36.3 | 36.0 | 36.2 | | 37.0 | 13 53 | 43.6 | 20.9 | 19 50 | 22.7 | 27 | |
| 40.3 | 40.8 | 33.6 | 35.5 | 37.4 | 34.6 | 33.9 | 31.4 | | 37.7 | 13 8 | 46.2 | 26.1 | 18 44 | 20.1 | 28 | ** |
| 43.4 | 37.2 | 38.4 | 37.3 | 35.6 | 35.4 | 35.3 | 37.9 | | 37.7 | 15 11 | 50.8 | 26.1 | 0 1 | 24.7 | 29 | ** |
| 42.3 | 41.1 | 40.1 | 39.0 | 37.5 | 37.8 | 37.2 | 37.5 | | 39.4 | - | 47.0 | 31.0 | - | 15.9 | Mean | |
| 41.6 | 41.0 | 40.7 | 40.2 | 39.7 | 39.1 | 38.6 | 38.5 | | 39.7 | - | 44.0 | 35.9 | - | 8.1 | Mean | * |
| 45.8 | 42.8 | 39.6 | 37.8 | 32.3 | 35.3 | 34.7 | 34.8 | | 39.2 | - | 52.7 | 22.3 | - | 30.3 | Mean | ** |

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

## TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

| U.T. | $0^h$ | $1^h$ | $2^h$ | $3^h$ | $4^h$ | $5^h$ | $6^h$ | $7^h$ | $8^h$ | $9^h$ | $10^h$ | $11^h$ | $12^h$ | $13^h$ | $14^h$ | $15^h$ | $16^h$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MARCH** | $8^\circ$ + Tabular Quantities | | | | | | | | | | | | | | | | |
| | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | |
| 1 | 35.4 | 37.1 | 36.1 | 36.0 | 36.9 | 37.4 | 38.4 | 38.8 | 36.4 | 36.4 | 37.4 | 39.5 | 41.6 | 44.8 | 44.2 | 43.2 | |
| 2 | 36.5 | 34.0 | 32.8 | 34.5 | 38.4 | 37.5 | 40.4 | 37.5 | 35.4 | 36.9 | 38.8 | 42.4 | 42.3 | 44.4 | 44.1 | 42.4 | |
| 3 ** | 31.5 | 31.6 | 33.1 | 28.4 | 31.6 | 31.1 | 36.1 | 36.0 | 39.2 | 39.9 | 40.8 | 43.4 | 49.2 | 49.4 | 49.4 | 43.7 | |
| 4 | 33.2 | 39.2 | 37.2 | 36.8 | 37.4 | 36.4 | 36.3 | 37.1 | 36.4 | 37.4 | 39.4 | 42.2 | 42.4 | 46.3 | 44.4 | 44.4 | |
| 5 | 37.2 | 37.2 | 37.4 | 37.4 | 37.5 | 37.6 | 37.6 | 37.5 | 36.4 | 36.4 | 37.9 | 40.3 | 42.4 | 43.4 | 44.4 | 43.7 | |
| 6 | 36.4 | 33.5 | 33.4 | 34.7 | 35.4 | 33.5 | 34.7 | 35.5 | 34.2 | 35.1 | 38.4 | 42.0 | 45.5 | 47.4 | 46.2 | 44.8 | |
| 7 * | 38.3 | 38.1 | 37.8 | 37.8 | 37.5 | 37.0 | 36.7 | 35.3 | 34.2 | 34.5 | 36.6 | 40.2 | 43.3 | 45.6 | 43.8 | 42.5 | |
| 8 * | 38.2 | 37.6 | 37.7 | 37.6 | 37.5 | 37.5 | 37.2 | 35.5 | 34.5 | 35.5 | 37.5 | 40.8 | 43.6 | 45.2 | 44.5 | 43.3 | |
| 9 * | 38.8 | 38.5 | 38.4 | 38.3 | 37.6 | 37.4 | 36.7 | 36.0 | 34.7 | 35.3 | 37.1 | 40.5 | 43.0 | 43.7 | 42.6 | 41.6 | |
| 10 | 39.1 | 38.6 | 38.4 | 38.2 | 38.3 | 38.9 | 37.5 | 37.1 | 35.5 | 35.0 | 35.6 | 39.5 | 42.6 | 45.0 | 45.2 | 43.5 | |
| 11 | 21.6 | 25.4 | 26.8 | 33.5 | 34.5 | 34.5 | 36.9 | 36.3 | 33.1 | 34.4 | 35.5 | 38.6 | 42.0 | 44.4 | 44.5 | 44.2 | |
| 12 | 35.5 | 37.3 | 37.9 | 37.5 | 38.0 | 37.9 | 37.3 | 34.9 | 33.1 | 34.0 | 36.3 | 40.1 | 44.2 | 45.1 | 46.6 | 45.7 | |
| 13 | 38.5 | 38.5 | 38.2 | 36.9 | 38.1 | 39.5 | 37.3 | 37.9 | 36.3 | 35.5 | 37.5 | 40.5 | 42.6 | 44.6 | 44.6 | 45.0 | |
| 14 | 34.5 | 36.5 | 37.5 | 38.4 | 37.7 | 37.3 | 37.1 | 35.0 | 34.0 | 34.8 | 36.6 | 40.5 | 45.7 | 45.9 | 46.7 | 45.0 | |
| 15 | 39.4 | 40.0 | 39.5 | 38.0 | 37.7 | 37.7 | 37.5 | 35.0 | 34.9 | 35.6 | 39.4 | 42.5 | 44.8 | 46.9 | 46.7 | 44.7 | |
| 16 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 38.1 | 37.5 | 36.5 | 36.9 | 37.2 | 38.1 | 41.7 | 44.5 | 45.5 | 44.5 | 43.5 | |
| 17 * | 38.5 | 38.3 | 38.3 | 38.4 | 38.4 | 38.0 | 37.4 | 35.1 | 33.4 | 34.5 | 38.0 | 41.5 | 44.3 | 45.5 | 44.6 | 42.8 | |
| 18 * | 38.3 | 38.4 | 38.5 | 38.3 | 38.5 | 38.3 | 37.4 | 35.3 | 33.7 | 33.2 | 35.5 | 39.4 | 41.6 | 44.2 | 45.2 | 43.5 | |
| 19 | 38.5 | 38.6 | 38.5 | 39.4 | 37.8 | 38.2 | 37.8 | 36.2 | 34.1 | 34.2 | 37.4 | 41.4 | 44.7 | 46.9 | 46.6 | 44.5 | |
| 20 | 29.3 | 32.8 | 36.7 | 39.8 | 38.3 | 37.5 | 36.7 | 35.5 | 34.2 | 33.6 | 36.2 | 39.5 | 42.2 | 44.3 | 44.5 | 44.3 | |
| 21 ** | 34.1 | 31.2 | 36.5 | 36.5 | 35.8 | 36.4 | 36.5 | 36.5 | 37.5 | 37.8 | 37.3 | 43.1 | 43.8 | 48.8 | 47.4 | 46.6 | |
| 22 ** | 24.5 | 29.2 | 21.5 | 19.5 | 25.5 | 34.2 | 32.7 | 30.4 | 32.4 | 34.5 | 38.8 | 44.5 | 46.8 | 47.7 | 48.1 | 45.5 | |
| 23 | 29.1 | 21.2 | 25.8 | 28.0 | 30.5 | 30.0 | 34.4 | 36.0 | 37.2 | 37.7 | 39.3 | 41.3 | 43.8 | 44.5 | 44.2 | 42.7 | |
| 24 ** | 38.2 | 37.5 | 37.7 | 37.6 | 36.8 | 37.2 | 35.7 | 33.1 | 31.5 | 32.7 | 37.0 | 42.7 | 47.7 | 51.0 | 51.4 | 46.7 | |
| 25 | 37.2 | 34.6 | 35.1 | 35.5 | 35.5 | 36.2 | 34.9 | 33.4 | 33.5 | 34.5 | 36.4 | 41.0 | 43.4 | 45.4 | 44.2 | 44.3 | |
| 26 | 34.2 | 36.3 | 34.9 | 36.7 | 35.5 | 36.1 | 36.5 | 34.5 | 32.4 | 32.6 | 37.6 | 40.3 | 44.5 | 46.3 | 43.1 | 44.1 | |
| 27 | 37.5 | 38.3 | 38.8 | 37.2 | 36.5 | 37.5 | 37.0 | 34.3 | 32.8 | 33.7 | 37.6 | 41.6 | 45.5 | 46.7 | 47.9 | 47.5 | |
| 28 | 31.4 | 32.6 | 34.6 | 30.6 | 32.5 | 33.6 | 36.6 | 35.3 | 35.2 | 36.5 | 39.5 | 44.4 | 47.1 | 48.1 | 47.3 | 46.7 | |
| 29 ** | 17.1 | 33.7 | 28.6 | 32.1 | 35.6 | 34.1 | 33.6 | 35.6 | 37.7 | 34.6 | 37.6 | 40.4 | 43.2 | 45.3 | 44.3 | 42.9 | |
| 30 | 38.6 | 37.9 | 37.5 | 37.6 | 37.5 | 38.6 | 39.0 | 35.9 | 34.3 | 34.0 | 36.1 | 39.6 | 43.6 | 46.9 | 47.6 | 45.9 | |
| 31 | 31.8 | 31.7 | 32.1 | 33.6 | 33.8 | 33.7 | 33.7 | 32.7 | 33.8 | 36.7 | 40.2 | 43.7 | 47.4 | 48.7 | 49.9 | 47.5 | |
| Mean | 34.5 | 35.3 | 35.3 | 35.6 | 36.1 | 36.4 | 36.6 | 35.5 | 34.8 | 35.3 | 37.7 | 41.3 | 44.2 | 46.0 | 45.8 | 44.4 | |
| Mean * | 38.4 | 38.2 | 38.1 | 38.1 | 37.9 | 37.6 | 37.1 | 35.4 | 34.1 | 34.6 | 36.9 | 40.5 | 43.2 | 44.8 | 44.1 | 42.7 | |
| Mean ** | 29.1 | 32.6 | 31.5 | 30.8 | 33.1 | 34.6 | 34.9 | 34.3 | 35.7 | 35.9 | 38.3 | 42.8 | 46.1 | 48.4 | 48.1 | 45.1 | |
| **APRIL** | $8^\circ$ + Tabular Quantities | | | | | | | | | | | | | | | | |
| | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | |
| 1 | 32.7 | 30.1 | 30.7 | 31.8 | 35.3 | 36.8 | 34.2 | 34.4 | 34.4 | 34.7 | 37.1 | 40.7 | 43.1 | 45.8 | 46.0 | 44.7 | |
| 2 | 35.7 | 35.4 | 35.5 | 35.5 | 35.7 | 36.1 | 35.4 | 33.3 | 32.0 | 33.8 | 39.2 | 43.8 | 46.7 | 48.6 | 47.4 | 47.0 | |
| 3 | 31.6 | 29.7 | 31.1 | 29.7 | 32.1 | 31.7 | 31.7 | 32.0 | 32.7 | 35.3 | 38.5 | 42.3 | 46.1 | 46.7 | 46.1 | 45.2 | |
| 4 | 36.5 | 35.8 | 33.7 | 37.7 | 36.1 | 35.7 | 37.1 | 37.6 | 37.9 | 38.7 | 41.1 | 45.1 | 46.2 | 47.1 | 45.7 | 43.8 | |
| 5 | 38.6 | 38.2 | 38.0 | 35.8 | 36.4 | 36.8 | 36.1 | 34.8 | 34.6 | 35.2 | 38.6 | 41.6 | 44.5 | 46.9 | 46.1 | 44.8 | |
| 6 | 38.7 | 38.3 | 37.8 | 38.0 | 37.9 | 37.8 | 36.8 | 34.2 | 34.6 | 34.0 | 36.6 | 41.5 | 45.9 | 47.9 | 48.0 | 43.5 | |
| 7 | 37.7 | 31.3 | 33.8 | 35.5 | 36.3 | 36.5 | 35.8 | 33.9 | 34.1 | 34.8 | 37.1 | 41.8 | 43.8 | 45.8 | 42.9 | 41.3 | |
| 8 | 38.7 | 38.9 | 38.7 | 38.7 | 38.0 | 35.8 | 33.8 | 32.9 | 33.8 | 34.9 | 39.1 | 42.0 | 45.8 | 46.2 | 45.3 | 43.5 | |
| 9 | 38.8 | 38.6 | 38.8 | 38.8 | 36.9 | 36.1 | 35.5 | 33.2 | 31.8 | 33.8 | 36.9 | 40.7 | 43.0 | 45.8 | 44.1 | 42.8 | |
| 10 | 38.2 | 38.2 | 37.9 | 37.8 | 37.2 | 36.2 | 35.9 | 35.7 | 35.4 | 36.2 | 38.9 | 42.6 | 45.9 | 46.8 | 47.0 | 43.9 | |
| 11 | 37.8 | 37.8 | 37.7 | 37.8 | 38.8 | 35.8 | 34.4 | 31.9 | 30.8 | 32.1 | 36.2 | 40.4 | 44.8 | 46.8 | 47.6 | 44.3 | |
| 12 | 37.8 | 35.9 | 35.8 | 36.3 | 36.7 | 35.8 | 33.8 | 32.4 | 31.8 | 33.4 | 37.5 | 41.0 | 46.0 | 45.8 | 44.6 | 43.8 | |
| 13 * | 38.3 | 38.1 | 38.7 | 39.9 | 38.8 | 36.8 | 34.2 | 31.9 | 29.9 | 31.4 | 34.8 | 38.8 | 43.3 | 45.4 | 45.4 | 43.1 | |
| 14 * | 38.7 | 38.3 | 38.2 | 38.2 | 38.5 | 38.4 | 37.2 | 32.2 | 30.0 | 31.5 | 36.8 | 42.6 | 47.4 | 48.3 | 46.8 | 44.8 | |
| 15 * | 39.0 | 38.5 | 38.7 | 38.0 | 38.0 | 38.1 | 35.9 | 32.9 | 30.9 | 32.6 | 37.8 | 42.6 | 45.8 | 46.8 | 44.9 | 43.0 | |
| 16 | 38.3 | 37.6 | 37.8 | 38.7 | 40.8 | 36.6 | 34.8 | 31.3 | 28.5 | 28.8 | 32.6 | 37.4 | 41.8 | 43.7 | 43.5 | 43.6 | |
| 17 | 34.8 | 31.9 | 28.8 | 32.5 | 35.0 | 30.7 | 29.8 | 28.3 | 27.2 | 29.4 | 33.4 | 37.8 | 41.1 | 44.1 | 44.8 | 43.8 | |
| 18 | 35.6 | 35.2 | 35.0 | 34.3 | 37.6 | 34.5 | 31.1 | 34.4 | 31.3 | 31.7 | 34.0 | 37.1 | 37.9 | 40.7 | 43.3 | 42.0 | |
| 19 | 32.4 | 32.3 | 32.7 | 31.8 | 33.7 | 33.4 | 33.3 | 32.4 | 32.7 | 34.9 | 37.6 | 42.0 | 44.4 | 46.1 | 44.9 | 43.6 | |
| 20 | 37.8 | 36.0 | 36.1 | 35.5 | 34.7 | 32.9 | 32.1 | 30.6 | 30.2 | 31.9 | 36.3 | 41.5 | 45.5 | 47.5 | 46.0 | 43.8 | |
| 21 ** | 34.5 | 32.8 | 32.7 | 32.2 | 31.9 | 33.6 | 30.9 | 28.1 | 29.0 | 33.8 | 39.8 | 48.8 | 46.4 | 48.9 | 46.2 | 44.9 | |
| 22 ** | 22.3 | 25.1 | 22.5 | 19.2 | 28.8 | 31.5 | 31.5 | 38.0 | 38.2 | 35.4 | 43.0 | 44.0 | 43.9 | 45.7 | 45.1 | 41.7 | |
| 23 | 33.3 | 34.6 | 35.4 | 32.5 | 33.6 | 33.6 | 32.5 | 30.5 | 31.1 | 33.5 | 37.9 | 42.5 | 45.6 | 44.8 | 44.1 | 42.2 | |
| 24 * | 36.6 | 36.1 | 35.6 | 35.3 | 34.4 | 33.5 | 32.0 | 31.5 | 31.8 | 33.7 | 37.4 | 41.9 | 45.6 | 46.5 | 44.6 | 41.7 | |
| 25 * | 36.7 | 38.9 | 37.5 | 35.4 | 34.6 | 34.5 | 32.6 | 30.9 | 31.3 | 34.6 | 40.0 | 45.0 | 48.2 | 48.6 | 47.5 | 45.1 | |
| 26 | 38.1 | 37.5 | 36.6 | 37.3 | 39.1 | 36.0 | 33.3 | 32.6 | 33.1 | 35.0 | 40.7 | 46.3 | 48.9 | 48.6 | 48.6 | 46.8 | |
| 27 ** | 26.4 | 17.8 | 26.0 | 22.7 | 13.5 | 27.7 | 22.6 | 40.9 | 44.5 | 36.7 | 39.6 | 46.1 | 46.2 | 45.9 | 47.0 | 44.3 | |
| 28 ** | 23.6 | 25.5 | 23.6 | 31.4 | 26.6 | 32.9 | 33.6 | 32.2 | 33.0 | 33.7 | 36.6 | 39.5 | 42.6 | 42.5 | 41.6 | 41.8 | |
| 29 | 23.5 | 31.2 | 23.8 | 30.9 | 28.9 | 27.5 | 28.6 | 34.2 | 37.9 | 40.9 | 43.5 | 44.4 | 45.2 | 46.5 | 47.2 | 46.6 | |
| 30 ** | 34.7 | 34.6 | 34.8 | 31.7 | 31.8 | 38.2 | 34.6 | 35.2 | 37.8 | 38.8 | 42.6 | 46.2 | 47.5 | 48.2 | 49.8 | 51.1 | |
| Mean | 34.9 | 34.3 | 34.1 | 34.4 | 34.6 | 34.7 | 33.4 | 33.1 | 33.1 | 34.2 | 38.0 | 42.3 | 45.0 | 46.3 | 45.7 | 44.1 | |
| Mean * | 37.9 | 38.0 | 37.7 | 37.4 | 36.9 | 36.3 | 34.4 | 31.9 | 30.8 | 32.8 | 37.4 | 42.2 | 46.1 | 47.1 | 45.8 | 43.5 | |
| Mean ** | 28.3 | 27.2 | 27.9 | 27.4 | 26.5 | 32.8 | 30.6 | 34.9 | 36.5 | 35.7 | 40.3 | 44.9 | 45.3 | 46.2 | 45.9 | 44.8 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum | | Minimum | | Range | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 8° + Tabular Quantities | | | | | | MARCH |
| ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | h m | ′ | ′ | h m | ′ | |
| 41.9 | 41.5 | 36.9 | 33.2 | 35.6 | 33.4 | 28.2 | 35.4 | | 37.7 | 14 29 | 45.2 | 25.1 | 22 31 | 20.1 | 1 |
| 40.5 | 37.3 | 37.3 | 40.1 | 34.7 | 34.7 | 35.8 | 36.4 | | 38.1 | 13 8 | 46.2 | 30.7 | 2 19 | 15.5 | 2 |
| 42.0 | 42.5 | 35.4 | 30.4 | 31.6 | 21.1 | 14.6 | 24.1 | | 35.7 | 12 22 | 53.3† | 2.4† | 21 53 | 50.9 | 3 ** |
| 41.7 | 40.4 | 39.6 | 39.0 | 39.1 | 38.2 | 37.5 | 36.8 | | 39.1 | 14 2 | 49.1 | 28.5 | 0 2 | 20.6 | 4 |
| 43.2 | 42.3 | 38.7 | 37.7 | 37.2 | 36.5 | 36.2 | 36.5 | | 38.9 | 14 24 | 45.5 | 35.3 | 22 10 | 10.2 | 5 |
| 42.3 | 41.6 | 40.0 | 32.6 | 35.5 | 37.7 | 37.8 | 38.2 | | 38.2 | 13 3 | 51.8 | 28.7 | 19 36 | 23.1 | 6 |
| 40.5 | 38.6 | 38.2 | 38.5 | 38.5 | 38.3 | 37.5 | 37.6 | | 38.6 | 13 31 | 46.4 | 33.5 | 8 43 | 12.9 | 7 * |
| 41.7 | 40.9 | 40.6 | 40.1 | 39.4 | 39.2 | 38.9 | 39.0 | | 39.3 | 13 48 | 46.1 | 34.2 | 8 47 | 11.9 | 8 * |
| 40.0 | 40.1 | 40.0 | 39.7 | 39.5 | 39.7 | 39.5 | 39.3 | | 39.1 | 13 30 | 44.6 | 34.3 | 8 23 | 10.3 | 9 * |
| 40.8 | 39.5 | 39.1 | 38.1 | 31.5 | 30.3 | 31.2 | 21.0 | | 37.5 | 14 31 | 45.9 | 13.0 | 23 29 | 32.9 | 10 |
| 42.8 | 42.7 | 41.6 | 40.7 | 39.8 | 39.3 | 35.5 | 30.5 | | 36.6 | 15 9 | 45.6 | 14.7 | 2 4 | 30.9 | 11 |
| 44.3 | 42.2 | 41.5 | 41.0 | 38.0 | 37.9 | 38.2 | 38.7 | | 39.3 | 14 48 | 48.0 | 32.3 | 8 46 | 15.7 | 12 |
| 42.4 | 41.1 | 40.2 | 39.5 | 38.5 | 37.9 | 37.5 | 35.4 | | 39.3 | 13 39 | 46.2 | 30.8 | 23 49 | 15.4 | 13 |
| 43.5 | 41.1 | 40.5 | 38.9 | 37.6 | 35.7 | 35.6 | 37.1 | | 38.9 | 14 3 | 48.2 | 32.5 | 7 54 | 15.7 | 14 |
| 41.6 | 39.1 | 39.0 | 39.5 | 39.1 | 38.8 | 38.4 | 37.4 | | 39.7 | 14 4 | 48.1 | 33.7 | 8 28 | 14.4 | 15 |
| 41.4 | 40.2 | 40.5 | 40.0 | 39.7 | 36.3 | 35.5 | 38.3 | | 39.4 | 12 50 | 47.2 | 32.7 | 21 56 | 14.5 | 16 |
| 40.7 | 40.2 | 39.7 | 39.5 | 39.5 | 39.4 | 39.3 | 38.1 | | 39.3 | 13 51 | 46.3 | 32.7 | 8 47 | 13.6 | 17 * |
| 41.1 | 41.1 | 40.7 | 40.1 | 39.6 | 39.4 | 37.3 | 37.5 | | 39.0 | 14 35 | 46.4 | 32.5 | 9 28 | 13.9 | 18 * |
| 42.5 | 40.3 | 39.4 | 40.5 | 40.5 | 30.5 | 27.9 | 29.3 | | 38.6 | 14 56 | 48.0 | 25.0 | 21 50 | 23.0 | 19 |
| 43.0 | 42.5 | 42.5 | 41.5 | 41.2 | 40.2 | 39.2 | 38.4 | | 38.9 | 14 53 | 46.7 | 28.0 | 0 28 | 18.7 | 20 |
| 48.0 | 41.8 | 38.0 | 37.5 | 38.2 | 36.5 | 31.6 | 24.5 | | 38.4 | 16 17 | 50.0 | 23.4 | 23 29 | 26.6 | 21 ** |
| 43.5 | 37.1 | 35.5 | 39.6 | 38.7 | 34.8 | 26.5 | 24.7 | | 34.8 | 14 10 | 49.9 | 14.2 | 3 9 | 35.7 | 22 ** |
| 41.1 | 39.8 | 39.3 | 39.2 | 39.1 | 38.5 | 38.5 | 38.5 | | 36.7 | 13 54 | 45.4 | 17.0 | 1 38 | 28.4 | 23 |
| 42.9 | 41.2 | 40.2 | 39.1 | 34.7 | 32.2 | 31.4 | 28.9 | | 38.5 | 14 2 | 52.8 | 27.9 | 20 45 | 24.9 | 24 ** |
| 42.5 | 40.2 | 37.5 | 38.5 | 39.1 | 37.3 | 27.1 | 31.7 | | 37.5 | 13 19 | 46.6 | 21.5 | 22 37 | 25.1 | 25 |
| 42.2 | 41.6 | 39.3 | 38.2 | 36.8 | 34.4 | 35.5 | 37.0 | | 37.9 | 13 22 | 47.4 | 29.7 | 21 38 | 17.7 | 26 |
| 44.8 | 40.5 | 35.3 | 37.3 | 38.3 | 34.2 | 32.5 | 31.6 | | 38.5 | 14 20 | 48.8 | 30.7 | 23 32 | 18.1 | 27 |
| 45.2 | 40.7 | 37.6 | 36.1 | 33.1 | 29.6 | 23.6 | 23.7 | | 36.7 | 13 8 | 49.5 | 21.4 | 22 22 | 28.1 | 28 |
| 40.5 | 36.9 | 32.8 | 38.1 | 39.7 | 34.5 | 35.3 | 37.9 | | 36.3 | 13 4 | 46.3 | 15.9 | 0 42 | 30.4 | 29 ** |
| 43.2 | 41.7 | 38.6 | 39.0 | 37.9 | 32.6 | 29.7 | 32.7 | | 38.6 | 14 24 | 48.3 | 28.1 | 22 29 | 20.2 | 30 |
| 43.7 | 41.4 | 38.7 | 36.7 | 37.0 | 37.7 | 37.7 | 35.3 | | 38.3 | 14 3 | 51.1 | 28.9 | 1 40 | 22.2 | 31 |
| 42.4 | 40.6 | 38.8 | 38.4 | 37.7 | 35.7 | 33.9 | 33.9 | | 38.2 | - | 47.8 | 26.4 | - | 21.3 | Mean |
| 40.8 | 40.2 | 39.8 | 39.6 | 39.3 | 39.2 | 38.5 | 38.3 | | 39.1 | - | 46.0 | 33.4 | - | 12.5 | Mean * |
| 43.4 | 39.9 | 36.4 | 36.9 | 36.6 | 31.8 | 27.9 | 28.0 | | 36.7 | - | 50.5 | 16.8 | - | 33.7 | Mean ** |
| | | | | | | | | | 8° + Tabular Quantities | | | | | | APRIL |
| ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | h m | ′ | ′ | h m | ′ | |
| 42.2 | 39.9 | 39.4 | 39.1 | 38.7 | 38.7 | 35.6 | 37.1 | | 37.6 | 14 39 | 47.4 | 28.1 | 1 46 | 19.3 | 1 |
| 45.2 | 41.1 | 37.7 | 35.1 | 34.1 | 28.5 | 33.4 | 32.9 | | 37.9 | 14 16 | 50.8 | 25.3 | 21 3 | 25.5 | 2 |
| 43.7 | 42.2 | 42.7 | 41.7 | 40.7 | 39.6 | 39.4 | 37.1 | | 37.9 | 12 36 | 50.2 | 26.5 | 3 20 | 23.7 | 3 |
| 42.1 | 40.7 | 38.2 | 38.7 | 35.7 | 38.4 | 39.0 | 39.1 | | 39.5 | 13 8 | 48.2 | 32.7 | 2 16 | 15.5 | 4 |
| 43.9 | 42.7 | 39.8 | 34.8 | 38.7 | 39.8 | 38.8 | 39.2 | | 39.4 | 13 31 | 47.7 | 31.1 | 19 33 | 16.6 | 5 |
| 41.4 | 39.2 | 39.1 | 39.5 | 37.8 | 34.8 | 36.5 | 37.9 | | 39.1 | 14 28 | 50.2 | 32.0 | 21 10 | 18.2 | 6 |
| 39.8 | 37.2 | 38.4 | 39.1 | 38.9 | 38.8 | 36.8 | 37.5 | | 37.9 | 13 48 | 47.6 | 27.6 | 1 22 | 20.0 | 7 |
| 40.8 | 39.3 | 37.8 | 36.5 | 37.4 | 38.2 | 38.8 | 38.9 | | 38.9 | 13 40 | 47.4 | 31.8 | 7 46 | 15.6 | 8 |
| 41.2 | 39.7 | 37.7 | 37.7 | 37.1 | 37.2 | 37.2 | 37.8 | | 38.4 | 13 23 | 48.3 | 29.9 | 8 41 | 18.4 | 9 |
| 41.2 | 39.4 | 38.8 | 38.2 | 38.2 | 38.2 | 38.3 | 38.8 | | 39.4 | 14 23 | 48.1 | 33.7 | 7 26 | 14.4 | 10 |
| 42.5 | 41.3 | 38.8 | 36.8 | 36.8 | 36.8 | 38.3 | 37.8 | | 38.5 | 14 26 | 49.4 | 29.9 | 8 13 | 19.5 | 11 |
| 40.9 | 39.8 | 38.8 | 39.8 | 38.1 | 38.6 | 39.3 | 38.8 | | 38.4 | 12 40 | 47.7 | 29.4 | 6 58 | 18.3 | 12 |
| 39.8 | 38.8 | 39.5 | 39.8 | 39.9 | 39.8 | 39.2 | 38.8 | | 38.5 | 14 15 | 46.5 | 29.1 | 8 21 | 17.4 | 13 * |
| 41.8 | 39.8 | 39.5 | 39.7 | 39.0 | 37.8 | 37.5 | 38.8 | | 39.2 | 12 51 | 49.5 | 29.1 | 8 37 | 20.4 | 14 * |
| 42.1 | 41.1 | 41.1 | 38.4 | 39.6 | 39.9 | 39.6 | 37.7 | | 39.3 | 13 19 | 48.3 | 30.9 | 8 30 | 17.4 | 15 * |
| 42.3 | 41.4 | 38.8 | 37.8 | 35.3 | 35.9 | 35.3 | 31.8 | | 37.3 | 13 51 | 44.8 | 27.5 | 8 48 | 17.3 | 16 |
| 41.9 | 40.2 | 39.5 | 39.3 | 40.3 | 35.3 | 36.2 | 35.9 | | 35.9 | 14 30 | 45.8 | 25.9 | 8 2 | 19.9 | 17 |
| 40.2 | 39.7 | 38.7 | 38.9 | 39.0 | 37.9 | 36.8 | 31.4 | | 36.6 | 14 24 | 44.0 | 29.3 | 6 30 | 14.7 | 18 |
| 40.0 | 38.0 | 37.5 | 38.5 | 38.9 | 38.5 | 38.6 | 38.2 | | 37.4 | 13 40 | 47.5 | 30.7 | 7 59 | 16.8 | 19 |
| 41.6 | 39.8 | 38.8 | 35.7 | 35.4 | 35.6 | 35.0 | 32.9 | | 37.2 | 13 24 | 48.3 | 29.1 | 8 23 | 19.2 | 20 |
| 45.1 | 45.9 | 39.8 | 35.2 | 27.0 | 23.9 | 29.6 | 23.7 | | 36.0 | 13 57 | 53.8† | 15.5 | 23 42 | 38.3 | 21 ** |
| 40.7 | 38.7 | 37.7 | 35.5 | 38.0 | 36.3 | 33.9 | 31.8 | | 35.4 | 13 58 | 47.3 | 14.4 | 3 7 | 32.9 | 22 ** |
| 40.0 | 38.8 | 39.4 | 39.1 | 38.6 | 38.2 | 38.3 | 37.5 | | 37.4 | 12 33 | 48.6 | 28.8 | 7 46 | 19.8 | 23 |
| 40.0 | 38.6 | 38.0 | 38.1 | 37.8 | 37.5 | 38.3 | 38.6 | | 37.7 | 13 31 | 47.3 | 30.8 | 7 47 | 16.5 | 24 * |
| 42.8 | 40.1 | 39.2 | 38.7 | 37.5 | 36.6 | 36.7 | 37.6 | | 38.8 | 13 48 | 49.3 | 29.9 | 7 47 | 19.4 | 25 * |
| 44.5 | 41.6 | 40.3 | 37.6 | 37.0 | 29.1 | 22.7 | 24.4 | | 38.2 | 12 14 | 50.4 | 20.5 | 22 42 | 29.9 | 26 |
| 42.6 | 40.7 | 38.8 | 38.8 | 36.0 | 28.0 | 24.5 | 26.6 | | 34.3 | 8 32 | 51.1 | -5.3† | 4 1 | 56.4 | 27 ** |
| 41.2 | 41.4 | 40.8 | 41.5 | 39.6 | 38.3 | 33.9 | 21.1 | | 34.9 | 19 2 | 44.7 | 10.6 | 23 54 | 34.1 | 28 ** |
| 43.6 | 39.8 | 38.8 | 38.4 | 38.4 | 37.8 | 37.6 | 36.6 | | 37.2 | 14 40 | 48.6 | 15.2 | 2 12 | 33.4 | 29 |
| 47.9 | 44.1 | 30.8 | 36.3 | 37.6 | 38.0 | 38.5 | 38.9 | | 39.6 | 14 57 | 53.8† | 26.0 | 3 37 | 27.8 | 30 ** |
| 42.1 | 40.4 | 38.8 | 38.1 | 37.6 | 36.4 | 36.1 | 35.2 | | 37.8 | - | 48.4 | 25.9 | - | 22.6 | Mean |
| 41.3 | 39.7 | 39.5 | 38.9 | 38.8 | 38.3 | 38.3 | 38.3 | | 38.7 | - | 48.2 | 30.0 | - | 18.2 | Mean * |
| 43.5 | 42.2 | 37.6 | 37.5 | 35.6 | 32.9 | 32.1 | 28.4 | | 36.0 | - | 50.1 | 12.2 | - | 37.9 | Mean ** |

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

## TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

| U.T. | 0h | 1h | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 11h | 12h | 13h | 14h | 15h | 16h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MAY** | | | | | | 8° + Tabular Quantities | | | | | | | | | | | |
| | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | |
| 1 | 37.2 | 36.7 | 37.3 | 36.7 | 35.0 | 36.1 | 35.7 | 35.5 | 37.3 | 37.6 | 37.7 | 41.0 | 42.4 | 43.6 | 43.1 | 41.4 | |
| 2 * | 36.2 | 36.3 | 35.8 | 35.6 | 34.5 | 33.6 | 31.8 | 30.7 | 31.1 | 32.5 | 35.5 | 38.5 | 41.5 | 43.5 | 43.5 | 42.5 | |
| 3 | 38.2 | 38.1 | 35.8 | 35.2 | 36.4 | 34.8 | 32.6 | 31.2 | 31.4 | 33.4 | 36.3 | 41.4 | 44.7 | 45.6 | 45.0 | 45.5 | |
| 4 | 36.2 | 36.2 | 35.5 | 35.4 | 35.5 | 33.8 | 32.0 | 31.1 | 32.0 | 33.8 | 36.0 | 39.1 | 44.1 | 44.0 | 43.9 | 42.8 | |
| 5 | 35.9 | 33.7 | 35.0 | 34.8 | 34.6 | 34.6 | 37.1 | 37.5 | 34.8 | 36.8 | 39.2 | 41.7 | 43.3 | 42.1 | 41.6 | 40.5 | |
| 6 | 37.2 | 36.5 | 35.8 | 35.4 | 35.9 | 34.2 | 32.8 | 32.0 | 33.0 | 36.1 | 37.3 | 40.1 | 42.0 | 43.0 | 41.9 | 40.5 | |
| 7 | 37.1 | 36.4 | 37.1 | 38.7 | 37.9 | 36.5 | 33.5 | 32.6 | 33.4 | 36.0 | 38.4 | 41.5 | 42.9 | 42.2 | 41.6 | 39.6 | |
| 8 * | 36.8 | 37.1 | 36.7 | 36.6 | 35.6 | 34.1 | 31.7 | 29.8 | 30.6 | 32.9 | 37.5 | 42.0 | 44.9 | 46.6 | 44.1 | 41.0 | |
| 9 * | 37.1 | 37.2 | 37.6 | 36.6 | 36.0 | 34.6 | 32.0 | 31.6 | 31.7 | 33.1 | 36.7 | 41.2 | 45.6 | 46.6 | 45.2 | 43.0 | |
| 10 * | 37.1 | 37.6 | 36.6 | 36.2 | 35.1 | 33.2 | 31.0 | 29.1 | 29.6 | 32.9 | 37.4 | 41.6 | 44.8 | 45.0 | 43.5 | 41.4 | |
| 11 * | 38.4 | 39.6 | 38.6 | 36.8 | 35.6 | 33.3 | 31.0 | 30.5 | 31.2 | 33.2 | 36.4 | 40.1 | 43.1 | 43.5 | 42.5 | 41.0 | |
| 12 | 40.0 | 38.2 | 41.5 | 41.4 | 42.2 | 35.1 | 33.8 | 32.6 | 31.6 | 33.0 | 37.7 | 43.4 | 48.1 | 51.1 | 50.4 | 50.3 | |
| 13 | 34.9 | 35.8 | 34.8 | 34.9 | 33.3 | 33.4 | 31.1 | 31.2 | 41.7 | 39.1 | 40.1 | 43.1 | 46.2 | 44.6 | 44.4 | 44.0 | |
| 14 | 35.4 | 36.0 | 35.9 | 35.0 | 34.4 | 31.3 | 29.5 | 28.7 | 32.0 | 33.4 | 36.4 | 39.3 | 41.7 | 44.5 | 44.3 | 42.2 | |
| 15 ** | 38.7 | 35.3 | 37.3 | 34.4 | 36.0 | 38.0 | 35.5 | 31.9 | 33.8 | 34.3 | 34.9 | 38.3 | 42.5 | 43.7 | 44.6 | 46.5 | |
| 16 ** | 35.9 | 32.5 | 40.5 | 39.6 | 37.4 | 50.4 | 34.8 | 34.0 | 27.5 | 39.3 | 39.7 | 42.4 | 40.4 | 46.1 | 54.9 | 50.5 | |
| 17 ** | 20.2 | 27.4 | 28.7 | 34.5 | 36.2 | 36.7 | 35.1 | 33.6 | 31.8 | 33.0 | 39.8 | 41.2 | 43.3 | 44.2 | 42.0 | 40.4 | |
| 18 | 35.7 | 35.7 | 36.2 | 35.9 | 34.9 | 35.1 | 33.3 | 30.9 | 32.0 | 34.2 | 37.7 | 39.6 | 41.7 | 42.7 | 42.1 | 41.0 | |
| 19 | 36.4 | 37.0 | 35.7 | 34.5 | 33.2 | 30.6 | 29.1 | 30.0 | 28.9 | 31.5 | 36.7 | 37.7 | 39.5 | 40.1 | 41.7 | 41.1 | |
| 20 | 35.7 | 35.7 | 36.4 | 35.6 | 34.0 | 32.0 | 30.0 | 29.7 | 31.1 | 31.7 | 37.5 | 38.7 | 44.6 | 44.2 | 44.3 | 41.9 | |
| 21 | 33.4 | 28.5 | 28.7 | 29.7 | 33.7 | 35.4 | 34.4 | 33.6 | 35.1 | 36.6 | 39.2 | 41.7 | 43.8 | 45.7 | 46.1 | 44.1 | |
| 22 | 36.8 | 35.4 | 33.7 | 35.0 | 33.1 | 30.9 | 30.8 | 33.2 | 34.1 | 33.9 | 37.7 | 40.6 | 43.7 | 43.8 | 43.7 | 42.2 | |
| 23 | 37.0 | 36.2 | 35.7 | 34.7 | 34.3 | 33.3 | 32.5 | 32.1 | 33.7 | 35.4 | 40.7 | 42.0 | 43.6 | 44.6 | 45.7 | 45.6 | |
| 24 ** | 24.8 | 24.6 | 26.8 | 34.4 | 33.4 | 33.5 | 33.4 | 30.8 | 31.7 | 32.3 | 38.4 | 42.8 | 52.2 | 53.6 | 51.8 | 44.9 | |
| 25 ** | 28.8 | 25.2 | 25.5 | 26.3 | 35.3 | 37.2 | 30.4 | 36.8 | 37.9 | 37.5 | 38.6 | 41.5 | 43.8 | 43.1 | 41.5 | 40.6 | |
| 26 | 31.0 | 32.8 | 33.4 | 30.9 | 28.9 | 28.5 | 27.0 | 27.9 | 30.0 | 33.1 | 36.8 | 40.8 | 43.8 | 45.5 | 44.9 | 43.7 | |
| 27 | 32.0 | 33.1 | 36.0 | 32.9 | 30.8 | 28.8 | 28.6 | 29.2 | 30.3 | 33.3 | 38.1 | 41.8 | 43.8 | 43.9 | 44.1 | 42.8 | |
| 28 | 30.5 | 31.6 | 31.5 | 33.6 | 31.6 | 30.1 | 29.9 | 30.2 | 31.9 | 34.1 | 37.6 | 42.1 | 45.9 | 46.8 | 45.9 | 43.7 | |
| 29 | 37.0 | 37.1 | 36.9 | 35.2 | 34.3 | 32.9 | 31.3 | 31.8 | 30.9 | 32.8 | 36.9 | 41.5 | 45.4 | 46.9 | 46.8 | 45.2 | |
| 30 | 36.4 | 37.5 | 34.7 | 34.5 | 32.9 | 35.4 | 33.1 | 31.8 | 31.8 | 31.9 | 35.7 | 39.8 | 43.1 | 45.6 | 45.0 | 42.7 | |
| 31 | 37.5 | 37.0 | 36.2 | 36.8 | 32.7 | 31.0 | 30.0 | 29.2 | 30.0 | 32.3 | 34.2 | 36.4 | 39.3 | 40.8 | 41.9 | 42.0 | |
| Mean | 35.0 | 34.8 | 35.1 | 35.1 | 34.7 | 34.1 | 32.1 | 31.6 | 32.4 | 34.2 | 37.5 | 40.7 | 43.7 | 44.7 | 44.6 | 43.1 | |
| Mean * | 37.1 | 37.6 | 37.1 | 36.4 | 35.4 | 33.8 | 31.5 | 30.3 | 30.8 | 32.9 | 36.7 | 40.7 | 44.0 | 45.0 | 43.8 | 41.8 | |
| Mean ** | 29.7 | 29.0 | 31.8 | 33.8 | 35.7 | 39.2 | 33.8 | 33.4 | 32.5 | 35.3 | 38.3 | 41.2 | 44.4 | 46.1 | 47.0 | 44.6 | |
| **JUNE** | | | | | | 8°+ Tabular Quantities | | | | | | | | | | | |
| | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | |
| 1 ** | 33.9 | 32.2 | 31.2 | 33.5 | 34.6 | 38.0 | 35.1 | 35.7 | 34.0 | 36.8 | 40.0 | 42.0 | 43.9 | 44.9 | 44.5 | 43.5 | |
| 2 | 35.7 | 35.1 | 34.0 | 33.9 | 34.0 | 34.1 | 35.0 | 34.9 | 33.2 | 34.4 | 36.8 | 38.7 | 42.3 | 42.6 | 42.3 | 40.2 | |
| 3 * | 38.5 | 39.1 | 38.7 | 34.8 | 32.6 | 31.0 | 30.1 | 30.5 | 32.0 | 34.9 | 38.0 | 40.8 | 43.0 | 43.2 | 42.7 | 40.9 | |
| 4 | 37.4 | 36.5 | 35.7 | 35.1 | 33.7 | 32.1 | 30.9 | 30.7 | 31.2 | 33.9 | 36.3 | 41.0 | 43.8 | 43.7 | 42.8 | 40.9 | |
| 5 | 36.8 | 37.5 | 36.2 | 36.3 | 34.4 | 31.5 | 30.4 | 30.7 | 32.5 | 34.9 | 37.1 | 40.9 | 43.9 | 43.3 | 42.4 | 41.3 | |
| 6 | 36.4 | 36.7 | 36.3 | 35.6 | 33.8 | 33.8 | 32.4 | 32.0 | 33.2 | 35.0 | 36.7 | 39.2 | 42.2 | 45.2 | 44.3 | 42.1 | |
| 7 * | 38.3 | 37.6 | 37.0 | 35.4 | 32.5 | 31.6 | 30.5 | 29.7 | 32.4 | 34.0 | 35.6 | 39.3 | 42.0 | 42.8 | 42.5 | 41.9 | |
| 8 | 38.0 | 40.4 | 36.0 | 35.1 | 35.1 | 34.0 | 32.3 | 33.5 | 34.6 | 35.9 | 39.2 | 41.8 | 43.6 | 43.3 | 42.0 | 39.8 | |
| 9 | 38.1 | 37.0 | 36.7 | 36.1 | 34.6 | 34.2 | 33.3 | 34.0 | 35.5 | 36.1 | 37.0 | 39.0 | 42.9 | 46.8 | 47.0 | 43.1 | |
| 10 | 35.4 | 33.3 | 33.6 | 32.1 | 32.0 | 29.2 | 27.9 | 27.1 | 27.9 | 29.6 | 34.0 | 38.9 | 40.5 | 42.4 | 43.5 | 43.2 | |
| 11 | 35.0 | 39.4 | 37.3 | 34.3 | 33.0 | 33.8 | 33.1 | 31.9 | 32.2 | 36.7 | 39.1 | 41.3 | 44.3 | 44.2 | 44.4 | 41.8 | |
| 12 | 39.0 | 37.6 | 35.9 | 33.3 | 31.8 | 34.0 | 35.2 | 34.3 | 34.0 | 35.2 | 36.8 | 38.1 | 39.9 | 40.1 | 41.0 | 41.9 | |
| 13 | 33.2 | 31.9 | 32.3 | 32.9 | 33.2 | 31.9 | 30.0 | 30.0 | 30.8 | 32.1 | 35.0 | 38.9 | 41.5 | 42.9 | 44.0 | 43.1 | |
| 14 | 33.4 | 33.6 | 35.9 | 33.8 | 30.8 | 28.9 | 31.2 | 31.7 | 29.8 | 32.2 | 36.2 | 39.6 | 44.3 | 44.4 | 44.1 | 43.8 | |
| 15 ** | 33.8 | 35.4 | 40.2 | 35.9 | 34.6 | 33.2 | 31.9 | 32.0 | 33.2 | 35.4 | 37.0 | 40.2 | 42.1 | 43.0 | 44.0 | 42.8 | |
| 16 | 32.0 | 34.0 | 34.5 | 34.0 | 35.3 | 36.0 | 32.0 | 31.0 | 29.6 | 30.3 | 33.2 | 37.3 | 40.8 | 41.8 | 42.4 | 41.5 | |
| 17 | 35.4 | 35.0 | 34.9 | 35.8 | 36.2 | 34.3 | 31.2 | 29.9 | 29.9 | 32.0 | 35.1 | 38.4 | 39.4 | 40.1 | 40.2 | 40.0 | |
| 18 * | 37.0 | 37.2 | 34.9 | 33.1 | 32.5 | 31.1 | 30.8 | 29.5 | 30.0 | 31.8 | 36.3 | 39.1 | 41.0 | 42.4 | 42.0 | 40.0 | |
| 19 * | 35.1 | 35.3 | 34.9 | 35.0 | 34.0 | 32.7 | 31.0 | 30.0 | 31.0 | 33.9 | 35.5 | 38.2 | 40.4 | 42.8 | 44.9 | 44.0 | |
| 20 * | 34.7 | 35.5 | 35.0 | 34.9 | 33.8 | 32.0 | 30.0 | 29.5 | 29.0 | 31.6 | 34.9 | 37.7 | 41.9 | 43.4 | 43.2 | 41.8 | |
| 21 | 30.3 | 32.5 | 32.5 | 33.3 | 32.8 | 29.5 | 30.7 | 30.6 | 30.8 | 32.9 | 37.3 | 42.0 | 45.9 | 47.9 | 46.5 | 44.0 | |
| 22 | 35.7 | 36.3 | 34.3 | 31.4 | 32.6 | 30.5 | 29.3 | 30.3 | 30.0 | 31.0 | 34.7 | 38.9 | 42.2 | 43.8 | 44.9 | 43.6 | |
| 23 | 36.0 | 34.9 | 35.3 | 34.9 | 33.1 | 31.4 | 30.9 | 30.6 | 31.3 | 34.0 | 37.3 | 41.2 | 43.6 | 44.6 | 44.2 | 42.6 | |
| 24 ** | 31.3 | 30.4 | 30.6 | 29.2 | 29.6 | 30.9 | 31.3 | 30.1 | 31.9 | 35.3 | 40.4 | 43.3 | 45.1 | 49.1 | 50.1 | 47.2 | |
| 25 ** | 30.1 | 39.7 | 30.1 | 39.5 | 40.4 | 40.5 | 34.1 | 32.1 | 28.6 | 28.0 | 32.2 | 35.9 | 38.3 | 39.1 | 40.0 | 40.1 | |
| 26 | 35.6 | 35.6 | 36.3 | 36.1 | 36.1 | 36.8 | 34.3 | 34.1 | 33.0 | 34.2 | 34.6 | 37.4 | 39.3 | 42.0 | 43.1 | 42.2 | |
| 27 | 34.9 | 34.8 | 35.4 | 41.1 | 41.5 | 38.0 | 30.2 | 28.3 | 29.6 | 33.1 | 36.0 | 38.5 | 40.8 | 41.9 | 43.7 | 43.3 | |
| 28 | 35.5 | 35.0 | 34.8 | 34.6 | 33.9 | 33.1 | 31.6 | 28.9 | 30.8 | 31.9 | 33.7 | 37.1 | 39.5 | 41.3 | 42.0 | 41.6 | |
| 29 | 36.0 | 37.1 | 36.3 | 34.3 | 34.0 | 34.7 | 33.8 | 33.5 | 34.4 | 36.1 | 35.8 | 39.2 | 41.0 | 43.4 | 44.0 | 43.1 | |
| 30 ** | 35.2 | 35.5 | 34.2 | 34.8 | 35.0 | 39.6 | 34.5 | 30.7 | 30.3 | 32.2 | 35.7 | 39.0 | 40.6 | 42.7 | 45.0 | 43.0 | |
| Mean | 35.3 | 35.7 | 35.0 | 34.7 | 34.1 | 33.4 | 31.8 | 31.3 | 31.6 | 33.5 | 36.3 | 39.4 | 42.0 | 43.3 | 43.6 | 42.3 | |
| Mean * | 36.7 | 36.9 | 36.1 | 34.6 | 33.1 | 31.7 | 30.5 | 29.8 | 30.9 | 33.2 | 36.1 | 39.0 | 41.7 | 42.9 | 43.1 | 41.7 | |
| Mean ** | 32.9 | 34.6 | 33.3 | 34.6 | 34.8 | 36.4 | 33.4 | 32.1 | 31.6 | 33.5 | 37.1 | 40.1 | 42.0 | 43.8 | 44.7 | 43.3 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

8° + Tabular Quantities — MAY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum | | Minimum | | Range | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | h | m ′ | ′ | h | m ′ | |
| 39.6 | 36.5 | 37.1 | 38.6 | 38.6 | 38.4 | 37.9 | 37.2 | 38.3 | 14 | 0 | 46.4 | 33.6 | 5 | 5 12.8 | 1 |
| 41.2 | 39.5 | 38.5 | 38.3 | 38.1 | 38.4 | 37.8 | 37.1 | 37.2 | 13 | 37 | 44.6 | 30.2 | 7 | 21 14.4 | 2 * |
| 44.6 | 42.1 | 39.8 | 39.7 | 40.1 | 39.1 | 36.5 | 36.7 | 38.5 | 15 | 32 | 46.5 | 30.6 | 7 | 50 15.9 | 3 |
| 41.7 | 40.7 | 40.5 | 39.6 | 39.7 | 39.0 | 38.0 | 38.4 | 37.9 | 12 | 52 | 45.7 | 30.6 | 7 | 41 15.1 | 4 |
| 39.7 | 38.6 | 37.0 | 36.2 | 35.1 | 37.4 | 36.6 | 36.8 | 37.5 | 12 | 45 | 44.6 | 32.7 | 20 | 25 11.9 | 5 |
| 37.5 | 37.4 | 38.0 | 38.6 | 38.5 | 37.9 | 37.5 | 38.1 | 37.4 | 13 | 20 | 43.9 | 30.8 | 7 | 43 13.1 | 6 |
| 38.9 | 37.7 | 36.6 | 34.9 | 32.5 | 36.0 | 37.4 | 37.4 | 37.4 | 12 | 28 | 43.7 | 30.7 | 19 | 57 13.0 | 7 |
| 38.7 | 37.5 | 36.2 | 36.1 | 37.2 | 37.6 | 38.1 | 37.6 | 37.4 | 13 | 17 | 48.4 | 28.7 | 7 | 37 19.7 | 8 * |
| 40.6 | 38.5 | 37.0 | 36.6 | 37.2 | 37.8 | 38.0 | 37.6 | 37.9 | 13 | 7 | 47.4 | 30.7 | 7 | 41 16.7 | 9 * |
| 39.3 | 37.5 | 36.6 | 37.4 | 37.9 | 38.1 | 37.8 | 37.7 | 37.3 | 12 | 59 | 46.3 | 27.9 | 7 | 47 18.4 | 10 * |
| 39.6 | 37.5 | 36.7 | 37.5 | 38.2 | 38.8 | 39.0 | 39.1 | 37.6 | 13 | 25 | 44.2 | 29.8 | 7 | 24 14.4 | 11 * |
| 45.5 | 41.2 | 40.0 | 41.8 | 41.0 | 36.3 | 33.6 | 35.1 | 40.2 | 14 | 32 | 52.8 | 29.6 | 8 | 54 23.2 | 12 |
| 40.1 | 36.4 | 36.0 | 36.4 | 36.1 | 36.4 | 37.4 | 38.6 | 37.9 | 12 | 42 | 47.4 | 25.8 | 7 | 21 21.6 | 13 |
| 39.5 | 38.4 | 35.8 | 34.4 | 35.7 | 35.9 | 37.9 | 37.6 | 36.5 | 14 | 12 | 45.3 | 27.3 | 7 | 20 18.0 | 14 |
| 43.6 | 37.8 | 34.7 | 33.7 | 34.4 | 35.5 | 33.6 | 36.2 | 37.3 | 15 | 31 | 50.4 | 29.8 | 17 | 28 20.6 | 15 ** |
| 40.3 | 36.2 | 36.0 | 30.9 | 36.1 | 31.0 | 34.2 | 30.9 | 38.4 | 14 | 37 | 62.0† | 17.0 | 24 | 0 45.0 | 16 ** |
| 38.7 | 35.9 | 34.6 | 34.7 | 36.4 | 37.4 | 37.4 | 36.5 | 35.8 | 13 | 15 | 44.9 | 11.4† | 0 | 26 33.5 | 17 ** |
| 39.5 | 38.2 | 37.4 | 36.7 | 37.2 | 37.9 | 38.0 | 36.9 | 37.1 | 14 | 2 | 43.9 | 29.9 | 7 | 47 14.0 | 18 |
| 39.9 | 38.2 | 37.2 | 37.4 | 37.6 | 35.9 | 35.2 | 36.5 | 35.9 | 14 | 30 | 43.0 | 28.1 | 6 | 10 14.9 | 19 |
| 39.7 | 38.3 | 37.7 | 37.1 | 35.6 | 36.2 | 37.0 | 37.7 | 36.8 | 12 | 32 | 47.5 | 27.1 | 6 | 43 20.4 | 20 |
| 42.2 | 39.9 | 39.6 | 39.0 | 38.2 | 38.1 | 37.8 | 36.8 | 37.6 | 14 | 2 | 47.5 | 27.1 | 1 | 36 20.4 | 21 |
| 40.1 | 39.1 | 37.2 | 34.7 | 37.2 | 38.7 | 39.2 | 37.7 | 37.2 | 13 | 25 | 45.7 | 29.6 | 6 | 8 16.1 | 22 |
| 45.1 | 43.2 | 41.6 | 42.1 | 40.7 | 38.7 | 31.7 | 27.1 | 38.2 | 15 | 47 | 48.2 | 22.0 | 23 | 11 26.2 | 23 |
| 43.3 | 38.8 | 35.8 | 35.4 | 38.2 | 34.8 | 37.3 | 22.0 | 36.5 | 14 | 8 | 60.1 | 17.3 | 23 | 48 42.8 | 24 ** |
| 39.3 | 38.3 | 36.4 | 37.0 | 37.0 | 33.9 | 34.6 | 33.6 | 35.8 | 5 | 49 | 47.0 | 19.7 | 2 | 20 27.3 | 25 ** |
| 41.6 | 39.8 | 38.5 | 33.7 | 36.5 | 35.6 | 34.6 | 32.9 | 35.5 | 13 | 43 | 46.2 | 26.1 | 6 | 23 20.1 | 26 |
| 41.7 | 40.3 | 38.8 | 37.6 | 36.8 | 37.6 | 36.8 | 33.1 | 36.3 | 14 | 23 | 45.6 | 28.1 | 6 | 25 17.5 | 27 |
| 41.4 | 38.8 | 37.1 | 37.6 | 38.5 | 37.9 | 38.0 | 37.6 | 36.8 | 13 | 25 | 47.8 | 28.9 | 0 | 3 18.9 | 28 |
| 43.2 | 41.6 | 40.8 | 34.9 | 35.5 | 34.2 | 33.8 | 35.1 | 37.6 | 14 | 9 | 47.8 | 30.2 | 8 | 47 17.6 | 29 |
| 40.5 | 38.6 | 37.6 | 36.3 | 35.9 | 37.1 | 35.7 | 36.4 | 37.1 | 14 | 8 | 46.7 | 29.8 | 9 | 35 16.9 | 30 |
| 40.3 | 39.0 | 37.5 | 37.5 | 37.8 | 38.1 | 37.9 | 35.7 | 36.3 | 15 | 20 | 43.1 | 27.3 | 8 | 2 15.8 | 31 |
| 40.9 | 38.8 | 37.6 | 36.9 | 37.3 | 37.0 | 36.7 | 35.7 | 37.3 | | - | 47.2 | 27.4 | | - 19.9 | Mean |
| 39.9 | 38.1 | 37.0 | 37.2 | 37.7 | 38.1 | 38.1 | 37.8 | 37.5 | | - | 46.2 | 29.5 | | - 16.7 | Mean * |
| 41.0 | 37.4 | 35.5 | 34.3 | 36.4 | 34.5 | 35.4 | 31.8 | 36.8 | | - | 52.9 | 19.0 | | - 33.8 | Mean ** |

8° + Tabular Quantities — JUNE

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum | | Minimum | | Range | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | h | m ′ | ′ | h | m ′ | |
| 40.3 | 39.8 | 37.2 | 39.0 | 39.0 | 38.7 | 38.1 | 38.1 | 38.1 | 14 | 5 | 45.8 | 29.5 | 2 | 16 16.3 | 1 ** |
| 39.9 | 38.7 | 37.0 | 38.5 | 39.0 | 38.9 | 38.3 | 37.6 | 37.3 | 14 | 20 | 43.9 | 32.1 | 8 | 27 11.8 | 2 |
| 38.6 | 36.0 | 37.2 | 37.9 | 38.5 | 38.9 | 38.8 | 36.0 | 37.2 | 12 | 54 | 44.7 | 29.4 | 6 | 57 15.3 | 3 * |
| 39.7 | 38.0 | 37.5 | 38.1 | 38.6 | 38.3 | 38.5 | 38.4 | 37.2 | 14 | 4 | 44.9 | 29.6 | 6 | 48 15.3 | 4 |
| 40.0 | 39.7 | 39.0 | 38.2 | 37.9 | 37.1 | 38.0 | 37.2 | 37.4 | 12 | 44 | 45.3 | 29.4 | 7 | 19 15.9 | 5 |
| 40.2 | 38.9 | 37.8 | 37.1 | 36.1 | 37.6 | 37.5 | 38.0 | 37.4 | 14 | 3 | 46.7 | 31.0 | 7 | 23 15.7 | 6 |
| 39.0 | 37.8 | 36.4 | 36.0 | 36.5 | 37.0 | 37.4 | 37.1 | 36.7 | 13 | 25 | 43.3 | 28.5 | 7 | 42 14.8 | 7 * |
| 38.3 | 37.3 | 38.8 | 39.0 | 38.0 | 36.1 | 33.6 | 34.7 | 37.5 | 12 | 44 | 44.8 | 31.0 | 6 | 54 13.8 | 8 |
| 40.8 | 38.4 | 36.1 | 35.9 | 36.5 | 35.2 | 34.0 | 36.6 | 37.7 | 14 | 4 | 49.6 | 31.0 | 6 | 3 18.6 | 9 |
| 43.0 | 40.9 | 38.0 | 37.2 | 36.8 | 37.6 | 34.5 | 31.8 | 35.4 | 13 | 57 | 44.5 | 26.2 | 7 | 33 18.3 | 10 |
| 42.8 | 41.6 | 41.0 | 39.3 | 38.8 | 36.3 | 37.8 | 37.1 | 38.2 | 12 | 56 | 46.8 | 28.4 | 7 | 54 18.4 | 11 |
| 41.3 | 40.5 | 38.7 | 37.4 | 37.7 | 36.9 | 35.0 | 34.0 | 37.1 | 16 | 3 | 43.5 | 31.3 | 4 | 41 12.2 | 12 |
| 41.8 | 39.8 | 38.1 | 37.0 | 37.1 | 35.4 | 33.0 | 32.2 | 35.8 | 14 | 8 | 45.6 | 27.8 | 6 | 54 17.8 | 13 |
| 42.0 | 40.9 | 39.5 | 39.0 | 38.6 | 37.7 | 36.0 | 34.9 | 36.8 | 12 | 42 | 46.6 | 27.4 | 6 | 10 19.2 | 14 |
| 42.7 | 40.1 | 40.1 | 39.3 | 38.4 | 37.5 | 35.1 | 30.9 | 37.5 | 14 | 4 | 45.9 | 28.1 | 23 | 38 17.8 | 15 ** |
| 40.3 | 39.4 | 39.0 | 36.6 | 37.7 | 36.6 | 37.0 | 36.8 | 36.2 | 14 | 30 | 43.3 | 28.4 | 8 | 30 14.9 | 16 |
| 40.0 | 37.6 | 38.0 | 38.8 | 38.9 | 34.5 | 36.6 | 36.4 | 36.2 | 14 | 20 | 41.6 | 29.0 | 7 | 49 12.6 | 17 |
| 39.4 | 37.5 | 36.7 | 36.5 | 37.2 | 37.0 | 36.4 | 36.0 | 36.1 | 14 | 28 | 43.2 | 28.9 | 7 | 15 14.3 | 18 * |
| 43.1 | 42.4 | 39.8 | 39.5 | 38.9 | 38.2 | 37.3 | 32.0 | 37.1 | 14 | 36 | 45.9 | 28.6 | 8 | 1 17.3 | 19 * |
| 39.4 | 38.0 | 36.6 | 36.5 | 36.0 | 36.0 | 37.0 | 35.2 | 36.0 | 13 | 5 | 45.5 | 27.7 | 8 | 2 17.8 | 20 * |
| 42.0 | 40.5 | 38.1 | 36.5 | 36.5 | 34.4 | 35.2 | 35.4 | 36.6 | 13 | 57 | 48.6 | 28.2 | 5 | 30 20.4 | 21 |
| 41.4 | 39.0 | 38.3 | 37.9 | 36.8 | 35.3 | 36.3 | 36.7 | 36.3 | 14 | 40 | 46.2 | 28.7 | 6 | 9 17.5 | 22 |
| 40.9 | 38.9 | 38.6 | 36.9 | 35.0 | 32.6 | 30.4 | 29.0 | 36.2 | 12 | 58 | 45.8 | 25.7 | 23 | 27 20.1 | 23 |
| 43.8 | 40.1 | 41.0 | 40.1 | 39.7 | 33.0 | 31.6 | 35.1 | 37.1 | 14 | 55 | 51.7† | 22.2† | 21 | 57 29.5 | 24 ** |
| 39.4 | 37.3 | 36.8 | 35.8 | 36.5 | 35.8 | 35.2 | 35.3 | 35.9 | 5 | 24 | 50.5 | 24.9 | 2 | 14 25.6 | 25 ** |
| 40.4 | 40.0 | 37.1 | 36.0 | 36.5 | 36.0 | 32.4 | 33.7 | 36.8 | 14 | 49 | 44.1 | 29.2 | 22 | 53 14.9 | 26 |
| 40.8 | 38.9 | 38.1 | 37.1 | 38.2 | 37.1 | 37.1 | 35.2 | 37.2 | 3 | 46 | 46.6 | 26.8 | 7 | 3 19.8 | 27 |
| 41.7 | 41.2 | 39.1 | 38.8 | 38.3 | 37.9 | 36.9 | 36.2 | 36.5 | 14 | 23 | 42.9 | 27.8 | 7 | 43 15.1 | 28 |
| 41.3 | 39.8 | 38.2 | 34.0 | 34.5 | 35.7 | 35.9 | 34.8 | 37.1 | 13 | 44 | 45.0 | 30.1 | 19 | 51 14.9 | 29 |
| 41.7 | 39.7 | 39.1 | 35.0 | 34.0 | 36.4 | 35.9 | 36.5 | 36.9 | 14 | 18 | 46.1 | 28.3 | 8 | 11 17.8 | 30 ** |
| 40.9 | 39.3 | 38.2 | 37.5 | 37.4 | 36.5 | 35.9 | 35.3 | 36.9 | | - | 45.6 | 28.5 | | - 17.1 | Mean |
| 39.9 | 38.3 | 37.3 | 37.3 | 37.4 | 37.4 | 37.4 | 35.3 | 36.6 | | - | 44.5 | 28.6 | | - 15.9 | Mean * |
| 41.6 | 39.4 | 38.8 | 37.8 | 37.5 | 36.3 | 35.2 | 35.2 | 37.1 | | - | 48.0 | 26.6 | | - 21.4 | Mean ** |

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

## TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

| U.T. | 0h | 1h | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 11h | 12h | 13h | 14h | 15h | 16h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **JULY** | | | | | | 8° + Tabular Quantities | | | | | | | | | | | |
| | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | |
| 1 | 36.0 | 36.0 | 35.2 | 35.0 | 34.0 | 32.2 | 31.0 | 32.0 | 31.5 | 32.6 | 33.1 | 36.0 | 38.4 | 40.8 | 41.7 | 41.1 | |
| 2 | 35.9 | 35.3 | 34.3 | 33.5 | 33.0 | 31.2 | 31.8 | 33.5 | 34.6 | 33.8 | 34.0 | 36.1 | 39.2 | 40.5 | 41.0 | 41.3 | |
| 3 | 37.2 | 35.4 | 35.0 | 33.0 | 33.5 | 32.2 | 31.9 | 33.2 | 33.0 | 34.1 | 36.4 | 37.7 | 39.3 | 39.0 | 39.1 | 39.3 | |
| 4 | 36.3 | 35.1 | 35.1 | 34.7 | 35.1 | 33.7 | 32.1 | 31.5 | 32.5 | 32.6 | 33.8 | 36.7 | 40.5 | 42.2 | 41.6 | 40.2 | |
| 5 | 36.5 | 36.4 | 35.2 | 34.9 | 33.8 | 32.1 | 30.5 | 30.6 | 31.0 | 32.3 | 34.8 | 38.3 | 42.1 | 42.6 | 42.3 | 41.3 | |
| 6 | 36.8 | 37.3 | 35.7 | 35.0 | 33.1 | 33.3 | 31.5 | 31.3 | 31.2 | 32.5 | 37.0 | 40.6 | 43.3 | 44.9 | 43.8 | 40.9 | |
| 7 * | 36.9 | 36.4 | 35.8 | 35.2 | 33.6 | 30.7 | 29.6 | 29.5 | 30.5 | 32.4 | 35.4 | 38.7 | 41.1 | 42.1 | 42.1 | 41.2 | |
| 8 | 38.2 | 37.9 | 35.5 | 36.5 | 34.6 | 34.1 | 31.6 | 29.1 | 30.5 | 32.7 | 36.7 | 40.0 | 42.9 | 43.1 | 42.0 | 40.8 | |
| 9 | 30.1 | 30.4 | 30.7 | 33.5 | 33.3 | 33.8 | 31.7 | 32.9 | 33.0 | 33.0 | 35.4 | 38.3 | 40.8 | 42.4 | 43.5 | 42.1 | |
| 10 | 35.1 | 34.8 | 34.3 | 34.1 | 33.3 | 32.1 | 30.1 | 28.5 | 29.9 | 32.5 | 35.4 | 38.5 | 41.4 | 43.1 | 44.0 | 43.1 | |
| 11 | 33.1 | 32.1 | 31.7 | 31.7 | 31.8 | 29.1 | 27.8 | 27.1 | 29.6 | 31.5 | 34.1 | 37.2 | 40.1 | 41.2 | 41.6 | 41.4 | |
| 12 | 36.3 | 35.7 | 35.1 | 33.6 | 33.4 | 34.6 | 32.1 | 30.3 | 30.7 | 33.1 | 35.0 | 38.5 | 43.1 | 45.9 | 46.1 | 44.1 | |
| 13 ** | 36.1 | 32.1 | 31.8 | 30.8 | 32.1 | 31.5 | 31.8 | 31.4 | 32.1 | 33.1 | 35.9 | 39.8 | 43.9 | 46.2 | 46.7 | 45.6 | |
| 14 | 33.7 | 29.9 | 31.8 | 31.7 | 32.3 | 31.5 | 30.5 | 29.2 | 30.1 | 32.3 | 34.3 | 37.3 | 40.7 | 43.2 | 43.5 | 42.1 | |
| 15 | 35.5 | 35.4 | 36.0 | 33.5 | 32.4 | 31.5 | 31.1 | 30.9 | 31.1 | 31.5 | 32.8 | 36.1 | 38.7 | 41.5 | 42.6 | 41.7 | |
| 16 | 36.2 | 35.1 | 35.6 | 36.1 | 34.1 | 33.8 | 31.5 | 30.5 | 30.1 | 32.1 | 34.6 | 38.1 | 42.7 | 45.1 | 45.2 | 43.5 | |
| 17 * | 36.1 | 35.1 | 34.5 | 34.1 | 34.7 | 32.6 | 31.0 | 29.5 | 29.1 | 31.4 | 36.4 | 40.4 | 42.5 | 43.5 | 42.7 | 41.3 | |
| 18 * | 35.9 | 34.8 | 33.6 | 33.3 | 31.8 | 30.4 | 30.1 | 30.4 | 31.3 | 33.9 | 36.5 | 39.1 | 42.6 | 45.1 | 45.1 | 43.1 | |
| 19 | 35.1 | 33.1 | 31.1 | 30.1 | 31.1 | 29.1 | 28.8 | 28.5 | 31.8 | 35.7 | 38.9 | 41.9 | 44.9 | 46.3 | 46.1 | 42.9 | |
| 20 | 31.4 | 31.4 | 32.5 | 32.1 | 31.3 | 29.3 | 30.5 | 31.3 | 31.1 | 34.3 | 37.3 | 40.1 | 43.8 | 44.1 | 45.3 | 41.7 | |
| 21 * | 34.7 | 34.8 | 35.0 | 34.5 | 33.6 | 32.6 | 31.6 | 32.0 | 33.0 | 36.0 | 38.7 | 41.9 | 44.1 | 44.5 | 42.8 | 40.2 | |
| 22 * | 35.2 | 35.0 | 34.3 | 33.0 | 32.1 | 31.0 | 30.2 | 30.6 | 31.8 | 33.4 | 37.3 | 40.6 | 44.0 | 44.4 | 43.3 | 42.0 | |
| 23 | 35.9 | 35.2 | 34.0 | 32.1 | 31.6 | 30.9 | 30.3 | 30.2 | 30.6 | 31.6 | 34.2 | 38.7 | 43.2 | 46.0 | 45.4 | 44.1 | |
| 24 ** | 32.1 | 32.3 | 32.7 | 31.6 | 30.9 | 29.6 | 30.3 | 32.4 | 31.2 | 35.2 | 39.7 | 41.6 | 44.2 | 45.8 | 44.7 | 42.6 | |
| 25 ** | 34.8 | 35.6 | 39.2 | 39.0 | 35.7 | 34.8 | 34.6 | 33.7 | 34.7 | 34.8 | 36.7 | 38.8 | 42.5 | 44.4 | 42.5 | 39.5 | |
| 26 ** | 29.5 | 33.2 | 34.0 | 34.4 | 36.5 | 32.2 | 33.0 | 30.3 | 31.2 | 37.8 | 38.8 | 41.1 | 42.4 | 42.2 | 41.9 | 41.8 | |
| 27 | 32.1 | 32.1 | 33.2 | 33.6 | 36.3 | 36.6 | 34.2 | 34.3 | 34.3 | 34.8 | 37.1 | 38.4 | 39.2 | 41.4 | 41.4 | 40.3 | |
| 28 ** | 32.6 | 33.9 | 35.6 | 35.2 | 32.8 | 30.7 | 30.9 | 33.0 | 35.8 | 38.8 | 42.3 | 42.8 | 42.4 | 43.8 | 41.4 | 40.4 | |
| 29 | 34.0 | 34.5 | 35.3 | 34.1 | 33.6 | 32.3 | 33.7 | 37.2 | 34.8 | 33.3 | 34.4 | 37.5 | 40.5 | 42.4 | 40.6 | 39.3 | |
| 30 | 36.6 | 36.3 | 39.1 | 35.3 | 33.0 | 31.6 | 31.1 | 31.8 | 33.6 | 35.4 | 37.0 | 40.9 | 43.4 | 44.2 | 43.0 | 41.3 | |
| 31 | 36.3 | 36.1 | 35.1 | 34.3 | 33.4 | 31.6 | 33.3 | 34.1 | 35.3 | 34.7 | 36.3 | 40.1 | 41.5 | 42.3 | 43.3 | 41.8 | |
| Mean | 34.9 | 34.5 | 34.5 | 33.9 | 33.3 | 32.0 | 31.3 | 31.3 | 32.0 | 33.7 | 36.1 | 39.1 | 41.9 | 43.4 | 43.1 | 41.7 | |
| Mean * | 35.8 | 35.2 | 34.6 | 34.0 | 33.2 | 31.5 | 30.5 | 30.4 | 31.1 | 33.4 | 36.9 | 40.1 | 42.9 | 43.9 | 43.2 | 41.6 | |
| Mean ** | 33.0 | 33.4 | 34.7 | 34.2 | 33.6 | 31.8 | 32.1 | 32.2 | 33.0 | 35.9 | 38.7 | 40.8 | 43.1 | 44.5 | 43.4 | 42.0 | |
| **AUGUST** | | | | | | 8° + Tabular Quantities | | | | | | | | | | | |
| | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | |
| 1 | 37.2 | 39.7 | 33.5 | 31.8 | 32.0 | 30.6 | 31.0 | 31.4 | 32.8 | 35.3 | 38.7 | 41.3 | 42.4 | 43.8 | 42.7 | 40.6 | |
| 2 | 35.2 | 36.3 | 35.0 | 34.3 | 33.2 | 31.6 | 30.2 | 30.4 | 32.0 | 34.9 | 40.0 | 43.9 | 45.3 | 42.6 | 39.7 | 38.2 | |
| 3 | 36.0 | 35.2 | 34.8 | 34.3 | 33.5 | 31.8 | 32.4 | 34.4 | 35.2 | 37.0 | 40.3 | 43.5 | 46.6 | 46.0 | 44.6 | 40.5 | |
| 4 * | 34.8 | 34.9 | 34.0 | 33.2 | 32.2 | 30.2 | 29.4 | 30.0 | 32.2 | 35.0 | 38.3 | 40.4 | 41.5 | 42.2 | 41.5 | 40.2 | |
| 5 * | 36.1 | 36.3 | 35.3 | 35.3 | 36.3 | 32.9 | 31.9 | 31.9 | 32.1 | 34.7 | 37.4 | 40.1 | 42.1 | 43.1 | 42.6 | 40.0 | |
| 6 | 36.2 | 35.7 | 34.2 | 34.3 | 33.4 | 31.9 | 30.8 | 30.4 | 31.2 | 34.0 | 38.1 | 42.1 | 44.5 | 44.3 | 43.8 | 41.2 | |
| 7 * | 34.2 | 34.6 | 34.8 | 33.5 | 33.3 | 33.3 | 33.4 | 32.9 | 33.0 | 35.1 | 38.7 | 42.1 | 44.1 | 44.4 | 43.2 | 40.9 | |
| 8 | 35.4 | 34.4 | 34.2 | 32.7 | 33.1 | 31.4 | 28.4 | 28.2 | 28.2 | 31.1 | 37.1 | 42.1 | 46.8 | 49.5 | 49.1 | 46.2 | |
| 9 | 35.1 | 34.1 | 33.8 | 32.8 | 32.4 | 32.7 | 30.1 | 28.2 | 27.2 | 30.4 | 35.6 | 41.8 | 45.2 | 46.3 | 46.1 | 43.4 | |
| 10 | 33.8 | 36.0 | 35.8 | 34.8 | 36.6 | 32.0 | 29.5 | 28.7 | 28.3 | 30.6 | 35.9 | 41.2 | 46.1 | 49.9 | 48.9 | 46.0 | |
| 11 ** | 36.2 | 36.0 | 33.1 | 31.3 | 29.1 | 27.4 | 25.9 | 26.5 | 30.4 | 32.0 | 36.3 | 41.0 | 46.1 | 48.5 | 47.8 | 48.5 | |
| 12 | 33.2 | 35.3 | 33.8 | 31.3 | 30.9 | 28.4 | 26.1 | 26.2 | 29.9 | 32.0 | 38.1 | 42.1 | 46.9 | 49.6 | 47.1 | 44.3 | |
| 13 | 35.5 | 35.1 | 35.1 | 34.1 | 33.4 | 31.8 | 30.0 | 29.0 | 29.9 | 32.1 | 36.4 | 41.3 | 46.1 | 47.1 | 46.2 | 43.4 | |
| 14 | 34.3 | 34.8 | 33.2 | 33.1 | 32.9 | 31.0 | 29.1 | 29.2 | 30.0 | 33.2 | 38.2 | 42.1 | 45.0 | 44.7 | 42.8 | 40.4 | |
| 15 | 34.6 | 34.2 | 34.2 | 33.9 | 33.1 | 31.4 | 30.1 | 29.4 | 29.5 | 31.2 | 32.6 | 35.4 | 38.9 | 42.1 | 41.9 | 39.9 | |
| 16 | 35.1 | 34.3 | 34.3 | 33.3 | 32.4 | 31.7 | 31.0 | 30.4 | 30.7 | 32.3 | 35.7 | 39.7 | 43.3 | 44.8 | 43.8 | 43.3 | |
| 17 | 29.9 | 27.0 | 27.8 | 30.3 | 29.9 | 29.5 | 29.8 | 28.0 | 29.1 | 31.4 | 36.4 | 40.8 | 42.5 | 44.2 | 43.1 | 41.2 | |
| 18 | 34.5 | 33.6 | 33.3 | 33.4 | 32.5 | 31.0 | 29.8 | 29.4 | 30.7 | 33.2 | 36.1 | 40.0 | 43.7 | 44.6 | 43.8 | 41.0 | |
| 19 * | 35.0 | 34.8 | 34.8 | 34.0 | 33.4 | 32.2 | 31.8 | 31.2 | 31.5 | 33.0 | 35.8 | 39.2 | 42.7 | 42.9 | 40.2 | 37.7 | |
| 20 * | 34.8 | 34.4 | 34.0 | 33.4 | 33.2 | 31.8 | 31.2 | 30.9 | 32.2 | 34.8 | 37.6 | 40.8 | 42.9 | 43.4 | 42.0 | 39.8 | |
| 21 | 35.7 | 35.2 | 35.2 | 34.3 | 33.9 | 31.6 | 29.9 | 28.7 | 30.2 | 33.9 | 39.6 | 42.8 | 44.5 | 52.2 | 51.0 | 47.0 | |
| 22 | 30.1 | 32.3 | 33.2 | 32.9 | 32.6 | 30.0 | 29.7 | 29.2 | 30.6 | 33.8 | 38.7 | 43.1 | 46.0 | 47.8 | 44.7 | 42.5 | |
| 23 ** | 35.9 | 34.9 | 34.4 | 33.6 | 33.2 | 32.1 | 29.6 | 28.2 | 30.1 | 33.1 | 38.0 | 43.1 | 47.1 | 48.2 | 45.6 | 40.0 | |
| 24 ** | 37.2 | 27.9 | 26.9 | 31.1 | 33.0 | 34.8 | 34.1 | 33.1 | 30.6 | 33.3 | 39.3 | 44.7 | 47.7 | 49.0 | 50.9 | 41.6 | |
| 25 ** | 38.0 | 35.1 | 35.1 | 36.1 | 34.0 | 32.2 | 31.9 | 32.1 | 32.5 | 35.6 | 39.1 | 42.5 | 45.2 | 46.6 | 45.9 | 42.8 | |
| 26 ** | 32.3 | 25.9 | 27.9 | 37.7 | 36.9 | 34.0 | 36.1 | 37.7 | 38.0 | 37.5 | 36.3 | 37.9 | 41.3 | 43.0 | 42.1 | 38.2 | |
| 27 | 36.0 | 35.6 | 38.1 | 36.9 | 36.4 | 34.5 | 30.2 | 29.6 | 30.1 | 32.1 | 35.1 | 39.5 | 42.1 | 42.2 | 41.4 | 40.0 | |
| 28 | 37.8 | 34.2 | 32.6 | 34.1 | 35.7 | 34.1 | 31.3 | 30.1 | 30.1 | 31.8 | 35.1 | 38.5 | 42.0 | 44.7 | 44.7 | 42.4 | |
| 29 | 36.0 | 35.8 | 35.1 | 33.9 | 34.8 | 34.1 | 32.1 | 30.1 | 29.3 | 31.1 | 35.6 | 41.1 | 44.3 | 46.8 | 46.1 | 42.1 | |
| 30 | 33.4 | 32.1 | 33.1 | 35.1 | 36.1 | 34.4 | 31.5 | 30.1 | 31.9 | 33.4 | 37.3 | 40.0 | 43.2 | 46.2 | 44.9 | 41.9 | |
| 31 | 36.0 | 36.0 | 35.7 | 35.3 | 35.0 | 34.1 | 31.6 | 30.0 | 30.0 | 31.1 | 34.9 | 40.8 | 45.0 | 47.0 | 44.1 | 42.5 | |
| Mean | 35.0 | 34.2 | 33.8 | 33.7 | 33.5 | 32.0 | 30.6 | 30.2 | 31.0 | 33.2 | 37.2 | 41.1 | 44.2 | 45.7 | 44.6 | 41.9 | |
| Mean * | 35.0 | 35.0 | 34.6 | 33.9 | 33.7 | 32.1 | 31.5 | 31.4 | 32.2 | 34.5 | 37.6 | 40.5 | 42.7 | 43.2 | 41.9 | 39.7 | |
| Mean ** | 35.9 | 32.0 | 31.5 | 34.0 | 33.2 | 32.1 | 31.5 | 31.5 | 32.3 | 34.3 | 37.8 | 41.8 | 45.5 | 47.1 | 46.5 | 42.2 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum | | Minimum | | Range | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 8° + Tabular Quantities | | | | | | JULY |
| ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | h m | ′ | ′ | h m | ′ | |
| 39.9 | 39.1 | 38.9 | 37.9 | 36.9 | 36.4 | 37.5 | 36.8 | | 36.3 | 14 47 | 43.3 | 30.0 | 8 19 | 13.3 | 1 |
| 40.7 | 40.9 | 40.2 | 37.2 | 37.6 | 38.5 | 37.1 | 38.7 | | 36.7 | 15 34 | 43.1 | 30.1 | 5 58 | 13.0 | 2 |
| 38.4 | 37.9 | 37.4 | 37.9 | 38.0 | 37.9 | 37.0 | 36.6 | | 36.3 | 12 35 | 40.5 | 30.3 | 6 40 | 10.2 | 3 |
| 39.8 | 39.3 | 37.9 | 37.3 | 37.7 | 36.8 | 37.1 | 37.3 | | 36.5 | 13 36 | 43.2 | 30.3 | 6 44 | 12.9 | 4 |
| 39.1 | 38.1 | 36.9 | 36.0 | 35.9 | 34.5 | 35.4 | 37.0 | | 36.2 | 12 55 | 44.1 | 29.2 | 6 54 | 14.9 | 5 |
| 38.3 | 37.8 | 37.8 | 37.5 | 37.7 | 37.6 | 37.5 | 37.1 | | 37.1 | 13 22 | 45.7 | 30.3 | 6 53 | 15.4 | 6 |
| 39.7 | 38.1 | 38.1 | 38.1 | 37.7 | 39.2 | 39.7 | 39.1 | | 36.7 | 13 33 | 43.2 | 28.7 | 6 50 | 14.5 | 7 * |
| 40.2 | 41.0 | 40.4 | 38.7 | 37.9 | 36.1 | 35.9 | 34.9 | | 37.1 | 13 18 | 44.1 | 28.3 | 7 27 | 15.8 | 8 |
| 40.4 | 38.4 | 36.4 | 35.9 | 35.4 | 35.8 | 35.7 | 35.6 | | 35.8 | 14 30 | 44.0 | 27.7 | 0 12 | 16.3 | 9 |
| 42.5 | 40.2 | 40.4 | 39.6 | 37.3 | 34.7 | 33.7 | 31.1 | | 36.2 | 14 12 | 44.8 | 27.5 | 7 43 | 17.3 | 10 |
| 39.9 | 38.5 | 38.2 | 38.2 | 37.6 | 37.6 | 35.1 | 35.6 | | 35.1 | 15 7 | 43.2 | 24.6† | 7 20 | 18.6 | 11 |
| 42.1 | 40.3 | 38.9 | 37.0 | 34.1 | 36.1 | 37.0 | 37.1 | | 37.1 | 14 20 | 47.1 | 28.5 | 6 58 | 18.6 | 12 |
| 44.0 | 41.1 | 38.2 | 32.2 | 34.0 | 35.7 | 32.8 | 31.9 | | 36.3 | 15 8 | 47.8 | 29.4 | 2 54 | 18.4 | 13 ** |
| 40.9 | 39.1 | 37.3 | 36.8 | 35.3 | 33.9 | 35.4 | 36.1 | | 35.4 | 14 32 | 44.9 | 27.3 | 1 13 | 17.6 | 14 |
| 41.0 | 39.1 | 38.0 | 35.8 | 36.1 | 37.6 | 37.7 | 37.5 | | 36.0 | 14 25 | 43.9 | 30.3 | 6 25 | 13.6 | 15 |
| 40.5 | 37.8 | 37.1 | 36.6 | 37.0 | 35.8 | 35.6 | 36.1 | | 36.7 | 14 54 | 46.5 | 29.3 | 7 51 | 17.2 | 16 |
| 39.2 | 37.4 | 36.3 | 35.9 | 35.9 | 35.1 | 36.5 | 36.5 | | 36.2 | 13 28 | 44.1 | 28.3 | 8 11 | 15.8 | 17 * |
| 40.6 | 38.3 | 35.9 | 37.1 | 37.1 | 36.1 | 36.2 | 35.1 | | 36.4 | 14 17 | 46.1 | 29.3 | 6 10 | 16.8 | 18 * |
| 42.0 | 40.4 | 37.5 | 38.0 | 37.9 | 38.3 | 37.1 | 31.6 | | 36.6 | 14 4 | 48.6† | 26.5 | 23 57 | 22.1 | 19 |
| 39.3 | 38.1 | 36.5 | 34.9 | 34.1 | 35.7 | 36.2 | 35.4 | | 35.7 | 14 31 | 46.9 | 27.7 | 0 0 | 19.2 | 20 |
| 38.3 | 36.8 | 36.4 | 36.4 | 36.1 | 36.1 | 36.1 | 35.9 | | 36.8 | 13 4 | 45.3 | 30.6 | 6 39 | 14.7 | 21 * |
| 41.3 | 39.3 | 37.7 | 38.1 | 37.8 | 37.1 | 36.8 | 36.4 | | 36.8 | 12 47 | 45.3 | 29.6 | 6 44 | 15.7 | 22 * |
| 42.8 | 43.2 | 39.2 | 38.6 | 39.3 | 36.3 | 32.8 | 32.2 | | 36.6 | 13 44 | 46.7 | 28.7 | 8 1 | 18.0 | 23 |
| 41.7 | 40.5 | 39.3 | 38.2 | 38.1 | 37.2 | 36.7 | 36.2 | | 36.9 | 13 38 | 46.8 | 27.8 | 5 39 | 19.0 | 24 ** |
| 38.2 | 37.4 | 37.3 | 37.4 | 36.6 | 36.4 | 35.2 | 33.3 | | 37.2 | 13 58 | 45.2 | 32.1 | 7 42 | 13.1 | 25 ** |
| 39.7 | 38.2 | 37.2 | 38.3 | 38.3 | 37.2 | 33.7 | 35.6 | | 36.6 | 13 3 | 45.0 | 25.6 | 22 42 | 19.4 | 26 ** |
| 39.3 | 38.2 | 38.1 | 38.0 | 37.1 | 37.1 | 34.6 | 34.3 | | 36.5 | 14 27 | 43.5 | 29.6 | 1 46 | 13.9 | 27 |
| 39.1 | 37.4 | 36.8 | 36.9 | 33.2 | 36.1 | 33.5 | 31.3 | | 36.5 | 3 36 | 45.1 | 27.6 | 20 38 | 17.5 | 28 ** |
| 38.1 | 35.3 | 36.4 | 36.6 | 37.1 | 37.3 | 37.2 | 37.0 | | 36.4 | 13 17 | 44.1 | 30.5 | 5 38 | 13.6 | 29 |
| 39.4 | 37.3 | 36.9 | 37.1 | 36.5 | 36.8 | 37.5 | 37.3 | | 37.2 | 13 3 | 45.3 | 30.4 | 6 27 | 14.9 | 30 |
| 38.2 | 37.6 | 37.7 | 38.2 | 38.3 | 38.1 | 37.9 | 36.5 | | 37.2 | 14 31 | 44.3 | 30.7 | 5 18 | 13.6 | 31 |
| 40.1 | 38.8 | 37.8 | 37.2 | 36.8 | 36.6 | 36.1 | 35.6 | | 36.5 | - | 44.9 | 28.9 | - | 16.0 | Mean |
| 39.8 | 38.0 | 36.9 | 37.1 | 36.9 | 36.7 | 37.1 | 36.6 | | 36.6 | - | 44.8 | 29.3 | - | 15.5 | Mean * |
| 40.5 | 38.9 | 37.8 | 36.6 | 36.0 | 36.5 | 34.4 | 33.7 | | 36.7 | - | 46.0 | 28.5 | - | 17.5 | Mean ** |
| | | | | | | | | | 8° + Tabular Quantities | | | | | | AUGUST |
| ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | h m | ′ | ′ | h m | ′ | |
| 38.1 | 36.6 | 36.3 | 36.6 | 37.4 | 38.1 | 38.3 | 38.0 | | 36.8 | 13 29 | 45.2 | 29.8 | 5 56 | 15.4 | 1 |
| 36.0 | 34.5 | 34.5 | 37.1 | 37.3 | 36.9 | 36.4 | 36.1 | | 36.3 | 12 24 | 46.5 | 29.3 | 6 53 | 17.2 | 2 |
| 38.0 | 36.3 | 36.5 | 37.2 | 37.2 | 37.2 | 37.2 | 35.7 | | 37.6 | 12 8 | 47.2 | 30.7 | 5 56 | 16.5 | 3 |
| 37.3 | 35.3 | 35.4 | 36.1 | 37.2 | 36.7 | 36.1 | 36.9 | | 35.9 | 13 5 | 43.2 | 28.7 | 6 57 | 14.5 | 4 * |
| 37.1 | 35.3 | 35.8 | 36.4 | 37.2 | 37.1 | 36.1 | 35.8 | | 36.6 | 13 51 | 44.1 | 31.2 | 7 57 | 12.9 | 5 * |
| 39.1 | 38.1 | 37.3 | 37.4 | 36.2 | 36.5 | 36.8 | 35.4 | | 36.8 | 12 48 | 45.9 | 29.6 | 7 12 | 16.3 | 6 |
| 38.1 | 35.7 | 34.6 | 35.1 | 35.0 | 36.3 | 36.3 | 36.0 | | 36.6 | 13 58 | 45.1 | 32.2 | 7 53 | 12.9 | 7 * |
| 42.1 | 39.3 | 36.8 | 33.6 | 33.1 | 32.5 | 34.4 | 35.6 | | 36.5 | 14 8 | 51.4 | 26.5 | 6 53 | 24.9 | 8 |
| 42.2 | 34.9 | 34.4 | 36.7 | 38.0 | 32.4 | 31.9 | 33.1 | | 35.8 | 14 9 | 48.9 | 26.6 | 8 42 | 22.3 | 9 |
| 42.8 | 38.7 | 36.4 | 37.0 | 37.5 | 37.1 | 37.5 | 36.4 | | 37.4 | 13 58 | 51.5 | 27.6 | 8 38 | 23.9 | 10 |
| 45.6 | 42.4 | 34.1 | 34.4 | 34.9 | 36.3 | 35.0 | 34.1 | | 36.4 | 15 3 | 51.2 | 21.3 | 6 53 | 29.9 | 11 ** |
| 42.3 | 40.3 | 38.3 | 37.2 | 36.2 | 35.8 | 35.9 | 35.6 | | 36.5 | 13 21 | 51.3 | 24.1 | 7 0 | 27.2 | 12 |
| 40.0 | 38.5 | 37.1 | 36.2 | 33.9 | 34.2 | 35.1 | 35.1 | | 36.5 | 13 57 | 48.3 | 28.5 | 7 38 | 19.8 | 13 |
| 38.4 | 37.2 | 36.5 | 35.8 | 36.8 | 37.1 | 36.4 | 35.3 | | 36.1 | 13 5 | 46.1 | 28.2 | 6 17 | 17.9 | 14 |
| 38.3 | 37.2 | 37.2 | 37.0 | 35.3 | 36.8 | 36.5 | 35.9 | | 35.3 | 14 13 | 43.6 | 28.5 | 7 34 | 15.1 | 15 |
| 41.7 | 38.4 | 37.4 | 37.0 | 37.4 | 37.0 | 36.0 | 33.7 | | 36.4 | 13 44 | 46.0 | 29.4 | 8 10 | 16.6 | 16 |
| 40.2 | 38.5 | 37.4 | 37.5 | 37.4 | 36.8 | 36.0 | 35.1 | | 35.0 | 13 58 | 46.9 | 25.6 | 2 11 | 21.3 | 17 |
| 38.6 | 37.0 | 37.0 | 37.6 | 37.6 | 36.2 | 35.8 | 35.7 | | 36.1 | 14 3 | 45.8 | 28.6 | 7 49 | 17.2 | 18 |
| 35.8 | 34.9 | 35.9 | 36.8 | 36.9 | 36.7 | 36.3 | 35.3 | | 35.8 | 13 19 | 44.0 | 30.7 | 7 49 | 13.3 | 19 * |
| 37.9 | 36.8 | 36.8 | 37.2 | 36.9 | 36.3 | 36.6 | 35.9 | | 36.3 | 13 19 | 43.9 | 30.1 | 7 23 | 13.8 | 20 * |
| 44.1 | 42.0 | 39.5 | 39.2 | 37.2 | 32.9 | 32.0 | 32.5 | | 37.7 | 14 42 | 54.3 | 27.3 | 7 33 | 27.0 | 21 |
| 39.1 | 37.4 | 36.3 | 35.0 | 35.1 | 34.2 | 33.2 | 35.1 | | 35.9 | 13 28 | 50.6 | 28.4 | 7 23 | 22.2 | 22 |
| 36.4 | 33.0 | 33.6 | 33.9 | 33.9 | 29.1 | 32.5 | 28.3 | | 35.3 | 13 27 | 50.6 | 20.8 | 21 14 | 29.8 | 23 ** |
| 39.2 | 41.2 | 36.0 | 30.9 | 36.0 | 36.6 | 35.2 | 37.8 | | 37.0 | 14 44 | 54.4† | 24.9 | 2 12 | 29.5 | 24 ** |
| 38.1 | 35.1 | 31.5 | 33.2 | 32.3 | 31.1 | 34.5 | 32.1 | | 36.4 | 14 23 | 47.9 | 26.5 | 20 57 | 21.4 | 25 ** |
| 36.7 | 36.2 | 33.6 | 33.1 | 34.1 | 35.2 | 36.1 | 35.9 | | 36.0 | 13 6 | 44.1 | 17.5† | 1 39 | 26.6 | 26 ** |
| 37.7 | 36.0 | 34.7 | 34.1 | 34.1 | 34.9 | 35.1 | 36.0 | | 35.9 | 13 48 | 43.2 | 27.8 | 7 27 | 15.4 | 27 |
| 38.1 | 36.8 | 35.7 | 35.4 | 35.7 | 36.1 | 36.2 | 36.0 | | 36.2 | 13 59 | 47.5 | 28.8 | 7 48 | 18.7 | 28 |
| 39.2 | 37.1 | 35.3 | 34.2 | 34.6 | 35.1 | 36.1 | 35.4 | | 36.5 | 14 2 | 48.5 | 28.5 | 8 22 | 20.0 | 29 |
| 38.5 | 36.1 | 35.3 | 36.0 | 36.9 | 36.2 | 36.0 | 35.9 | | 36.5 | 13 36 | 47.7 | 29.0 | 6 54 | 18.7 | 30 |
| 42.5 | 42.9 | 39.0 | 38.4 | 34.9 | 35.4 | 35.8 | 35.6 | | 37.2 | 13 13 | 51.1 | 28.6 | 7 46 | 22.5 | 31 |
| 39.3 | 37.4 | 36.0 | 35.9 | 35.9 | 35.5 | 35.6 | 35.2 | | 36.4 | - | 47.6 | 27.6 | - | 20.0 | Mean |
| 37.2 | 35.6 | 35.7 | 36.3 | 36.6 | 36.6 | 36.3 | 36.0 | | 36.2 | - | 44.1 | 30.6 | - | 13.5 | Mean * |
| 39.2 | 37.6 | 33.8 | 33.1 | 34.2 | 33.7 | 34.7 | 33.6 | | 36.2 | - | 49.6 | 22.2 | - | 27.4 | Mean ** |

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

## TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

| U.T. | 0h | 1h | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 11h | 12h | 13h | 14h | 15h | 16h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SEPTEMBER** | | | | | | 8° + Tabular Quantities | | | | | | | | | | | |
| | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | |
| 1 | 37.9 | 34.9 | 34.4 | 34.1 | 34.1 | 34.2 | 33.1 | 32.0 | 32.2 | 33.8 | 36.2 | 39.5 | 41.8 | 42.1 | 42.0 | 40.3 | |
| 2 ** | 35.0 | 34.2 | 33.2 | 37.8 | 37.0 | 41.0 | 22.7 | 23.0 | 22.0 | 37.3 | 40.2 | 44.3 | 44.1 | 43.2 | 41.0 | 37.3 | |
| 3 ** | 34.0 | 34.7 | 33.0 | 27.5 | 30.0 | 32.5 | 36.0 | 28.1 | 30.7 | 31.8 | 37.8 | 41.3 | 44.4 | 44.2 | 39.5 | 38.2 | |
| 4 | 35.8 | 34.3 | 34.0 | 34.0 | 33.8 | 34.4 | 34.1 | 32.3 | 32.0 | 35.0 | 39.1 | 42.2 | 43.5 | 42.3 | 39.8 | 37.2 | |
| 5 | 36.2 | 35.9 | 35.0 | 34.5 | 33.4 | 31.6 | 29.1 | 27.6 | 27.9 | 30.3 | 35.1 | 40.4 | 43.1 | 43.0 | 41.0 | 38.5 | |
| 6 | 35.5 | 34.1 | 34.8 | 35.2 | 35.7 | 34.5 | 30.8 | 29.9 | 30.2 | 33.3 | 37.9 | 43.4 | 46.4 | 47.9 | 44.2 | 38.7 | |
| 7 | 30.9 | 32.0 | 33.8 | 33.7 | 32.9 | 31.9 | 30.6 | 30.2 | 31.5 | 34.0 | 38.8 | 42.9 | 45.7 | 46.2 | 43.9 | 40.9 | |
| 8 ** | 34.2 | 33.9 | 33.8 | 33.2 | 32.8 | 32.4 | 30.8 | 27.6 | 29.0 | 32.3 | 37.0 | 45.8 | 48.7 | 52.7 | 60.1 | 43.3 | |
| 9 | 33.5 | 32.6 | 32.0 | 31.8 | 31.7 | 30.7 | 27.8 | 29.8 | 30.8 | 31.8 | 38.0 | 43.7 | 45.1 | 46.9 | 45.7 | 43.8 | |
| 10 | 30.9 | 31.5 | 32.6 | 32.1 | 32.9 | 33.3 | 33.3 | 32.7 | 32.2 | 33.5 | 36.7 | 40.5 | 43.7 | 44.7 | 43.4 | 40.6 | |
| 11 | 33.9 | 34.0 | 34.0 | 32.9 | 31.2 | 30.7 | 30.5 | 28.9 | 28.5 | 30.9 | 36.4 | 41.4 | 44.0 | 43.9 | 43.7 | 40.8 | |
| 12 | 34.3 | 33.9 | 33.4 | 32.7 | 32.2 | 32.6 | 31.0 | 30.0 | 29.5 | 30.5 | 33.9 | 36.9 | 40.2 | 42.6 | 42.6 | 41.1 | |
| 13 | 28.9 | 30.1 | 31.1 | 31.1 | 30.0 | 31.3 | 30.9 | 28.9 | 29.4 | 30.9 | 34.7 | 38.4 | 41.1 | 41.3 | 40.9 | 38.8 | |
| 14 * | 34.0 | 33.8 | 32.9 | 32.5 | 32.6 | 32.4 | 31.9 | 30.6 | 29.6 | 31.5 | 34.6 | 38.1 | 40.8 | 41.8 | 40.8 | 39.7 | |
| 15 | 32.5 | 31.3 | 31.8 | 32.7 | 31.9 | 32.7 | 31.9 | 30.9 | 30.1 | 30.4 | 33.2 | 37.1 | 42.2 | 43.9 | 43.1 | 41.2 | |
| 16 | 31.9 | 34.5 | 33.7 | 33.2 | 33.3 | 32.9 | 31.8 | 30.0 | 28.9 | 29.7 | 33.2 | 37.0 | 41.2 | 43.9 | 45.1 | 43.3 | |
| 17 * | 35.0 | 35.0 | 34.2 | 34.0 | 33.2 | 33.8 | 31.3 | 30.3 | 30.0 | 33.0 | 37.0 | 40.5 | 44.6 | 45.7 | 45.1 | 41.7 | |
| 18 * | 34.3 | 33.2 | 32.8 | 33.5 | 33.5 | 33.2 | 32.3 | 31.0 | 29.9 | 31.1 | 34.7 | 40.0 | 44.2 | 44.2 | 43.0 | 41.2 | |
| 19 * | 35.0 | 34.9 | 34.4 | 34.0 | 33.7 | 33.5 | 31.8 | 30.0 | 30.0 | 32.0 | 35.7 | 39.8 | 42.5 | 42.4 | 41.0 | 39.5 | |
| 20 | 34.9 | 34.6 | 34.1 | 36.3 | 33.8 | 33.9 | 34.4 | 31.4 | 29.8 | 30.8 | 35.1 | 42.1 | 44.4 | 45.6 | 44.0 | 42.4 | |
| 21 ** | 33.5 | 31.6 | 27.2 | 23.0 | 29.8 | 34.9 | 34.3 | 32.6 | 26.8 | 30.4 | 32.5 | 37.0 | 41.5 | 42.4 | 41.3 | 39.3 | |
| 22 ** | 34.3 | 35.5 | 35.1 | 36.2 | 36.8 | 33.6 | 31.2 | 31.9 | 32.5 | 34.1 | 38.5 | 44.0 | 43.1 | 43.7 | 42.5 | 39.9 | |
| 23 | 33.9 | 34.7 | 37.1 | 33.9 | 33.5 | 33.2 | 33.0 | 31.1 | 31.0 | 32.7 | 37.3 | 41.4 | 44.5 | 43.9 | 41.4 | 37.7 | |
| 24 | 34.5 | 34.0 | 33.8 | 34.4 | 34.4 | 33.5 | 32.1 | 30.0 | 29.5 | 30.8 | 34.5 | 39.4 | 43.3 | 42.0 | 41.6 | 38.7 | |
| 25 | 32.4 | 35.1 | 32.6 | 32.9 | 33.3 | 33.0 | 31.7 | 29.8 | 29.4 | 31.0 | 34.9 | 39.0 | 41.5 | 42.5 | 41.8 | 39.7 | |
| 26 | 30.1 | 30.4 | 31.6 | 31.6 | 29.8 | 32.9 | 34.5 | 34.8 | 31.5 | 32.4 | 36.0 | 39.8 | 43.0 | 43.0 | 42.2 | 39.9 | |
| 27 | 34.5 | 34.2 | 34.2 | 34.0 | 34.2 | 34.3 | 33.0 | 30.4 | 28.9 | 29.9 | 34.2 | 38.5 | 42.4 | 43.3 | 42.2 | 40.3 | |
| 28 | 34.2 | 34.0 | 34.2 | 33.9 | 35.3 | 35.9 | 33.0 | 31.9 | 31.0 | 31.0 | 34.3 | 37.8 | 41.4 | 43.4 | 43.1 | 42.0 | |
| 29 * | 33.0 | 32.9 | 33.7 | 33.7 | 34.2 | 34.2 | 33.6 | 31.6 | 29.5 | 29.8 | 32.2 | 36.1 | 39.7 | 41.7 | 41.6 | 39.0 | |
| 30 | 33.0 | 31.2 | 30.0 | 30.3 | 31.5 | 32.8 | 32.0 | 30.4 | 29.7 | 31.5 | 36.8 | 41.0 | 43.2 | 43.4 | 42.8 | 40.7 | |
| Mean | 33.7 | 33.6 | 33.3 | 33.0 | 33.1 | 33.4 | 31.8 | 30.3 | 29.8 | 31.9 | 35.9 | 40.3 | 43.2 | 43.9 | 43.0 | 40.2 | |
| Mean * | 34.3 | 34.0 | 33.6 | 33.5 | 33.4 | 33.4 | 32.2 | 30.7 | 29.8 | 31.5 | 34.8 | 38.9 | 42.4 | 43.2 | 42.3 | 40.2 | |
| Mean ** | 34.2 | 34.0 | 32.5 | 31.5 | 33.3 | 34.9 | 31.0 | 28.6 | 28.2 | 33.2 | 37.2 | 42.5 | 44.4 | 45.2 | 44.9 | 39.6 | |
| **OCTOBER** | | | | | | 8° + Tabular Quantities | | | | | | | | | | | |
| | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | |
| 1 | 33.0 | 33.9 | 32.7 | 32.2 | 34.9 | 34.0 | 32.2 | 30.3 | 29.7 | 32.0 | 36.8 | 42.0 | 44.0 | 45.0 | 43.6 | 39.0 | |
| 2 ** | 32.9 | 33.0 | 32.8 | 33.9 | 33.8 | 34.0 | 36.2 | 34.6 | 32.0 | 33.9 | 37.5 | 40.3 | 44.3 | 44.4 | 41.8 | 40.5 | |
| 3 | 29.8 | 30.4 | 32.1 | 35.3 | 34.0 | 32.0 | 32.1 | 30.9 | 30.9 | 32.3 | 34.5 | 38.2 | 39.6 | 38.4 | 38.7 | 37.1 | |
| 4 | 31.9 | 31.8 | 33.9 | 33.4 | 33.3 | 33.0 | 31.3 | 30.3 | 30.1 | 33.0 | 36.1 | 39.5 | 41.9 | 42.9 | 42.7 | 41.4 | |
| 5 | 34.9 | 34.4 | 34.1 | 34.2 | 33.9 | 33.6 | 31.1 | 30.8 | 34.2 | 35.1 | 34.5 | 37.6 | 39.7 | 41.1 | 42.0 | 40.9 | |
| 6 | 32.9 | 32.9 | 32.9 | 31.6 | 30.4 | 33.2 | 31.9 | 30.3 | 29.7 | 31.0 | 35.3 | 40.9 | 43.2 | 45.5 | 42.8 | 41.2 | |
| 7 | 33.7 | 32.4 | 31.7 | 32.4 | 33.5 | 33.1 | 31.2 | 30.0 | 28.9 | 30.0 | 34.7 | 38.6 | 42.1 | 45.7 | 44.9 | 43.2 | |
| 8 | 34.3 | 33.9 | 33.9 | 33.6 | 32.7 | 33.9 | 34.9 | 32.0 | 30.3 | 30.0 | 33.2 | 37.9 | 41.1 | 43.1 | 42.4 | 41.0 | |
| 9 | 33.9 | 34.5 | 35.4 | 34.0 | 33.6 | 32.8 | 33.6 | 31.6 | 29.7 | 30.1 | 33.9 | 36.6 | 41.6 | 41.0 | 42.1 | 41.0 | |
| 10 | 33.0 | 32.9 | 32.9 | 33.7 | 33.8 | 33.8 | 33.7 | 32.2 | 30.8 | 30.8 | 33.7 | 37.5 | 40.5 | 42.1 | 41.9 | 40.4 | |
| 11 | 34.0 | 33.9 | 34.2 | 33.9 | 35.5 | 34.3 | 33.5 | 31.9 | 30.9 | 30.9 | 31.9 | 35.0 | 40.6 | 41.5 | 41.7 | 40.9 | |
| 12 | 34.3 | 34.6 | 34.5 | 34.2 | 34.5 | 34.1 | 34.0 | 32.7 | 30.6 | 30.2 | 32.8 | 35.7 | 39.9 | 41.6 | 42.0 | 41.1 | |
| 13 * | 33.0 | 33.6 | 34.1 | 34.2 | 34.3 | 34.2 | 34.5 | 32.8 | 30.7 | 29.8 | 31.8 | 35.5 | 38.6 | 40.6 | 40.5 | 39.0 | |
| 14 * | 34.1 | 34.6 | 33.0 | 32.8 | 33.5 | 33.1 | 33.0 | 31.8 | 30.6 | 30.5 | 32.9 | 37.0 | 40.1 | 41.8 | 41.6 | 39.9 | |
| 15 * | 35.0 | 34.6 | 34.2 | 34.4 | 34.0 | 33.8 | 33.5 | 31.8 | 30.7 | 30.9 | 32.9 | 36.7 | 39.5 | 40.9 | 41.4 | 40.0 | |
| 16 | 35.3 | 34.8 | 33.8 | 33.8 | 33.8 | 33.9 | 33.2 | 31.6 | 31.6 | 32.4 | 34.0 | 36.9 | 38.6 | 39.7 | 40.0 | 38.8 | |
| 17 * | 34.4 | 33.6 | 32.7 | 32.8 | 33.1 | 32.8 | 32.6 | 31.2 | 30.1 | 30.2 | 32.2 | 36.0 | 38.9 | 40.7 | 40.6 | 39.2 | |
| 18 | 35.3 | 34.7 | 34.3 | 33.9 | 33.9 | 33.9 | 33.3 | 31.8 | 30.5 | 30.9 | 33.5 | 37.8 | 41.3 | 42.8 | 41.6 | 40.0 | |
| 19 | 35.6 | 35.4 | 35.0 | 35.0 | 36.0 | 34.8 | 33.8 | 33.0 | 31.3 | 31.6 | 34.8 | 39.7 | 42.6 | 42.5 | 42.5 | 40.8 | |
| 20 ** | 35.0 | 35.0 | 35.0 | 36.1 | 36.0 | 39.8 | 38.1 | 35.8 | 32.7 | 33.8 | 35.6 | 40.5 | 43.4 | 44.0 | 41.9 | 40.8 | |
| 21 ** | 25.4 | 28.0 | 29.8 | 32.9 | 35.5 | 33.7 | 32.0 | 29.8 | 29.1 | 31.5 | 34.6 | 40.6 | 43.1 | 42.0 | 41.0 | 40.0 | |
| 22 | 34.8 | 31.8 | 33.1 | 34.5 | 34.1 | 33.0 | 32.3 | 29.9 | 28.1 | 29.7 | 33.7 | 37.8 | 41.5 | 41.9 | 40.8 | 39.5 | |
| 23 | 30.1 | 30.5 | 34.5 | 31.8 | 32.6 | 33.6 | 34.4 | 32.0 | 30.2 | 32.0 | 36.8 | 41.0 | 43.3 | 44.5 | 41.6 | 41.1 | |
| 24 | 33.0 | 33.9 | 33.3 | 33.9 | 37.0 | 34.5 | 33.5 | 30.8 | 29.1 | 30.7 | 34.7 | 38.8 | 41.3 | 41.7 | 39.9 | 38.7 | |
| 25 * | 34.7 | 34.4 | 34.4 | 34.5 | 34.8 | 34.3 | 33.6 | 31.8 | 30.3 | 30.7 | 33.1 | 36.1 | 39.8 | 40.8 | 40.2 | 39.1 | |
| 26 ** | 34.5 | 32.9 | 32.7 | 33.7 | 33.9 | 35.4 | 36.0 | 32.4 | 28.9 | 29.3 | 33.1 | 37.7 | 40.6 | 43.4 | 42.7 | 47.7 | |
| 27 ** | 17.3 | 18.7 | 20.5 | 25.0 | 32.7 | 34.7 | 30.8 | 29.5 | 29.4 | 30.6 | 35.2 | 37.5 | 40.3 | 38.9 | 36.9 | 35.7 | |
| 28 | 32.0 | 33.9 | 33.9 | 32.0 | 31.5 | 34.5 | 33.0 | 32.9 | 33.5 | 34.3 | 36.9 | 38.9 | 40.7 | 39.0 | 38.7 | 36.1 | |
| 29 | 31.7 | 32.8 | 34.4 | 33.9 | 33.9 | 33.4 | 32.9 | 31.4 | 30.9 | 32.7 | 36.1 | 37.7 | 40.3 | 40.5 | 39.0 | 37.8 | |
| 30 | 34.5 | 33.7 | 33.7 | 33.6 | 33.7 | 33.5 | 32.9 | 31.9 | 32.0 | 32.5 | 35.7 | 38.2 | 41.4 | 41.9 | 42.1 | 38.5 | |
| 31 | 34.7 | 34.7 | 34.7 | 34.3 | 33.7 | 33.5 | 33.1 | 32.1 | 31.1 | 32.8 | 36.7 | 38.7 | 40.8 | 39.9 | 39.7 | 38.3 | |
| Mean | 32.9 | 32.9 | 33.2 | 33.4 | 33.9 | 33.9 | 33.3 | 31.7 | 30.6 | 31.5 | 34.5 | 38.2 | 41.1 | 41.9 | 41.3 | 40.0 | |
| Mean * | 34.2 | 34.0 | 33.7 | 33.7 | 33.9 | 33.6 | 33.4 | 31.9 | 30.5 | 30.4 | 32.6 | 36.3 | 39.4 | 41.0 | 40.9 | 39.4 | |
| Mean ** | 29.0 | 29.5 | 30.2 | 32.3 | 34.4 | 35.5 | 34.6 | 32.4 | 30.4 | 31.8 | 35.2 | 39.3 | 42.3 | 42.5 | 40.9 | 40.9 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum | | Minimum | | Range | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 8° + Tabular Quantities | | | | | | SEPTEMBER |
| ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | h | m ′ | ′ | h | m ′ | |
| 39.7 | 37.0 | 36.3 | 34.8 | 34.9 | 36.0 | 35.5 | 34.5 | | 36.3 | 13 | 4 43.8 | 31.1 | 7 | 12 12.7 | 1 |
| 35.3 | 30.7 | 30.2 | 32.0 | 36.0 | 36.1 | 36.0 | 35.0 | | 35.2 | 5 | 4 48.7 | 15.3† | 6 | 52 33.4 | 2 ** |
| 36.0 | 34.3 | 34.2 | 32.7 | 31.1 | 32.4 | 34.0 | 34.2 | | 34.7 | 12 | 55 47.7 | 23.0 | 7 | 24 24.7 | 3 ** |
| 35.6 | 34.8 | 34.4 | 33.7 | 34.2 | 35.1 | 35.9 | 36.0 | | 36.0 | 13 | 7 44.2 | 30.7 | 7 | 53 13.5 | 4 |
| 36.2 | 34.2 | 34.5 | 34.7 | 35.2 | 35.7 | 35.9 | 36.6 | | 35.2 | 13 | 13 44.2 | 26.3 | 7 | 21 17.9 | 5 |
| 36.0 | 35.1 | 35.0 | 33.1 | 31.5 | 33.4 | 35.3 | 34.9 | | 36.1 | 13 | 55 49.5 | 27.7 | 20 | 2 21.8 | 6 |
| 37.8 | 37.1 | 37.0 | 36.9 | 36.2 | 36.0 | 35.6 | 34.9 | | 36.3 | 12 | 53 48.9 | 29.3 | 0 | 30 19.6 | 7 |
| 38.8 | 37.8 | 38.3 | 36.8 | 27.8 | 35.7 | 35.4 | 34.0 | | 37.2 | 14 | 53 82.0† | 20.3 | 20 | 13 61.7 | 8 ** |
| 40.2 | 36.1 | 35.2 | 33.7 | 33.3 | 35.1 | 33.8 | 32.6 | | 35.7 | 13 | 47 50.2 | 25.4 | 7 | 9 24.8 | 9 |
| 37.8 | 34.5 | 32.9 | 34.0 | 35.0 | 35.1 | 34.9 | 34.6 | | 35.6 | 13 | 23 45.5 | 30.0 | 0 | 50 15.5 | 10 |
| 36.9 | 34.8 | 34.0 | 34.9 | 35.0 | 35.1 | 34.9 | 34.9 | | 35.3 | 12 | 55 44.8 | 27.4 | 7 | 50 17.4 | 11 |
| 39.1 | 37.7 | 36.8 | 35.8 | 34.7 | 34.9 | 32.3 | 31.7 | | 35.0 | 14 | 52 43.1 | 28.4 | 8 | 38 14.7 | 12 |
| 37.7 | 35.6 | 35.7 | 36.4 | 36.8 | 35.4 | 35.0 | 34.1 | | 34.4 | 14 | 31 42.1 | 27.1 | 3 | 53 15.0 | 13 |
| 37.3 | 36.2 | 35.9 | 36.1 | 35.7 | 35.8 | 35.2 | 35.0 | | 35.2 | 13 | 8 42.8 | 28.4 | 8 | 20 14.4 | 14 * |
| 38.8 | 37.5 | 37.1 | 36.9 | 36.6 | 36.1 | 36.1 | 30.0 | | 35.3 | 13 | 50 44.5 | 29.2 | 23 | 45 15.3 | 15 |
| 40.0 | 37.3 | 37.1 | 37.0 | 35.8 | 32.0 | 34.9 | 34.8 | | 35.5 | 14 | 49 46.8 | 28.1 | 8 | 7 18.7 | 16 |
| 37.9 | 36.7 | 36.1 | 35.9 | 35.1 | 35.4 | 35.5 | 35.0 | | 36.3 | 14 | 10 46.9 | 29.3 | 8 | 23 17.6 | 17 * |
| 38.6 | 37.0 | 37.0 | 36.8 | 36.4 | 36.2 | 35.8 | 35.3 | | 36.1 | 12 | 43 45.7 | 29.0 | 8 | 42 16.7 | 18 * |
| 38.6 | 38.0 | 38.0 | 37.4 | 37.3 | 37.0 | 36.3 | 35.5 | | 36.2 | 12 | 43 43.2 | 29.3 | 7 | 39 13.9 | 19 * |
| 45.0 | 40.3 | 36.9 | 31.8 | 30.4 | 31.8 | 32.8 | 32.8 | | 36.2 | 14 | 56 49.7 | 26.6 | 20 | 0 23.1 | 20 |
| 36.0 | 34.3 | 35.4 | 32.8 | 33.5 | 31.5 | 31.6 | 33.3 | | 33.6 | 13 | 23 43.8 | 20.0 | 3 | 13 23.8 | 21 ** |
| 31.4 | 34.4 | 27.2 | 32.1 | 35.0 | 35.6 | 34.0 | 34.7 | | 35.7 | 11 | 23 45.8 | 23.6 | 18 | 20 22.2 | 22 ** |
| 34.8 | 35.5 | 36.5 | 36.0 | 36.0 | 35.9 | 35.8 | 35.3 | | 36.1 | 12 | 20 45.8 | 29.3 | 7 | 48 16.5 | 23 |
| 37.1 | 36.5 | 36.0 | 35.7 | 33.5 | 34.8 | 35.6 | 32.2 | | 35.3 | 12 | 31 44.8 | 28.4 | 8 | 10 16.4 | 24 |
| 39.0 | 37.6 | 37.2 | 35.9 | 33.4 | 33.1 | 33.9 | 31.3 | | 35.1 | 13 | 23 43.3 | 28.5 | 8 | 8 14.8 | 25 |
| 38.2 | 37.8 | 36.6 | 35.6 | 35.9 | 35.6 | 35.8 | 34.8 | | 35.6 | 12 | 28 44.2 | 28.6 | 4 | 30 15.6 | 26 |
| 38.7 | 37.0 | 36.7 | 34.7 | 32.1 | 32.4 | 34.8 | 34.2 | | 35.4 | 13 | 8 44.2 | 27.5 | 8 | 40 16.7 | 27 |
| 39.6 | 38.0 | 37.1 | 36.4 | 36.0 | 35.3 | 34.0 | 32.7 | | 36.1 | 13 | 14 44.3 | 29.6 | 9 | 20 14.7 | 28 |
| 37.0 | 36.0 | 36.2 | 36.3 | 36.0 | 35.8 | 34.5 | 34.7 | | 35.1 | 14 | 5 42.7 | 28.6 | 8 | 47 14.1 | 29 * |
| 39.0 | 37.4 | 37.0 | 36.5 | 36.7 | 35.6 | 33.8 | 31.7 | | 35.3 | 13 | 4 44.3 | 28.4 | 8 | 37 15.9 | 30 |
| 37.8 | 36.2 | 35.6 | 35.1 | 34.6 | 34.9 | 34.8 | 34.0 | | 35.6 | - | 46.6 | 27.1 | - | 19.4 | Mean |
| 37.9 | 36.8 | 36.6 | 36.5 | 36.1 | 36.0 | 35.5 | 35.1 | | 35.8 | - | 44.3 | 28.9 | - | 15.3 | Mean * |
| 35.5 | 34.3 | 33.1 | 33.3 | 32.7 | 34.3 | 34.2 | 34.2 | | 35.3 | - | 53.6 | 20.4 | - | 33.2 | Mean ** |
| | | | | | | | | | 8° + Tabular Quantities | | | | | | OCTOBER |
| ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | h | m ′ | ′ | h | m ′ | |
| 39.2 | 37.1 | 36.1 | 34.3 | 32.7 | 34.8 | 34.2 | 32.7 | | 35.7 | 13 | 20 46.5 | 28.4 | 8 | 46 18.1 | 1 |
| 37.6 | 33.8 | 33.1 | 35.3 | 28.8 | 33.6 | 32.0 | 29.8 | | 35.4 | 13 | 14 46.2 | 23.8 | 20 | 56 22.4 | 2 ** |
| 36.0 | 29.8 | 31.3 | 32.5 | 34.4 | 35.4 | 35.0 | 35.8 | | 34.0 | 12 | 27 41.3 | 23.8 | 17 | 47 17.5 | 3 |
| 39.6 | 37.8 | 35.7 | 33.3 | 33.9 | 33.1 | 30.7 | 33.7 | | 35.2 | 14 | 54 44.1 | 28.3 | 7 | 19 15.8 | 4 |
| 39.1 | 37.9 | 37.2 | 37.6 | 33.9 | 33.9 | 34.7 | 34.6 | | 35.9 | 14 | 27 43.8 | 29.4 | 6 | 53 14.4 | 5 |
| 38.7 | 37.9 | 36.9 | 35.0 | 33.3 | 34.9 | 34.2 | 34.4 | | 35.5 | 13 | 43 49.3 | 27.4 | 7 | 26 21.9 | 6 |
| 39.9 | 36.2 | 32.6 | 35.7 | 35.9 | 33.9 | 33.9 | 34.1 | | 35.3 | 13 | 28 47.1 | 27.3 | 8 | 36 19.8 | 7 |
| 38.6 | 37.6 | 37.2 | 37.0 | 33.6 | 30.8 | 34.0 | 34.6 | | 35.5 | 13 | 33 44.9 | 27.6 | 8 | 56 17.3 | 8 |
| 39.1 | 38.2 | 36.9 | 37.7 | 35.9 | 34.9 | 33.5 | 33.6 | | 35.6 | 14 | 7 44.7 | 28.0 | 8 | 35 16.7 | 9 |
| 38.4 | 37.8 | 36.9 | 36.6 | 35.9 | 35.2 | 35.4 | 34.6 | | 35.6 | 13 | 8 43.0 | 29.3 | 8 | 47 13.7 | 10 |
| 38.8 | 37.9 | 37.5 | 36.9 | 36.7 | 36.2 | 36.1 | 35.1 | | 35.8 | 13 | 58 42.7 | 29.4 | 9 | 10 13.3 | 11 |
| 39.0 | 38.3 | 37.9 | 37.3 | 37.0 | 33.4 | 33.9 | 31.9 | | 35.6 | 14 | 24 42.8 | 29.0 | 8 | 50 13.8 | 12 |
| 38.0 | 37.8 | 37.1 | 36.8 | 36.3 | 36.2 | 35.6 | 34.8 | | 35.4 | 14 | 8 41.4 | 29.0 | 9 | 26 12.4 | 13 * |
| 38.2 | 37.7 | 37.1 | 36.8 | 36.1 | 36.0 | 35.8 | 35.5 | | 35.6 | 13 | 18 42.5 | 29.9 | 9 | 11 12.6 | 14 * |
| 38.6 | 37.8 | 36.9 | 36.9 | 36.9 | 36.2 | 35.9 | 35.9 | | 35.8 | 14 | 43 41.9 | 29.9 | 8 | 46 12.0 | 15 * |
| 37.8 | 36.9 | 36.9 | 36.5 | 35.9 | 35.6 | 35.2 | 35.0 | | 35.5 | 14 | 23 41.2 | 30.0 | 7 | 43 11.2 | 16 |
| 38.5 | 37.7 | 36.8 | 36.4 | 35.8 | 35.7 | 35.6 | 35.5 | | 35.1 | 14 | 30 41.4 | 28.9 | 8 | 56 12.5 | 17 * |
| 38.8 | 38.1 | 37.6 | 36.6 | 36.1 | 35.8 | 35.8 | 35.8 | | 36.0 | 13 | 23 43.5 | 29.2 | 8 | 43 14.3 | 18 |
| 38.6 | 38.1 | 37.7 | 36.7 | 36.2 | 35.9 | 35.8 | 35.5 | | 36.6 | 12 | 37 44.0 | 30.0 | 8 | 43 14.0 | 19 |
| 45.1 | 35.8 | 35.6 | 30.9 | 29.0 | 28.8 | 26.5 | 23.7 | | 35.8 | 16 | 34 48.2 | 21.0 | 23 | 13 27.2 | 20 ** |
| 38.6 | 35.8 | 34.8 | 33.9 | 30.1 | 28.1 | 31.8 | 32.8 | | 34.0 | 12 | 35 44.9 | 22.6 | 0 | 10 22.3 | 21 ** |
| 39.8 | 38.8 | 36.1 | 33.5 | 32.8 | 31.7 | 31.3 | 31.0 | | 34.6 | 13 | 40 43.1 | 27.3 | 8 | 37 15.8 | 22 |
| 40.0 | 38.6 | 36.7 | 35.5 | 33.4 | 42.1 | 31.6 | 31.8 | | 35.8 | 13 | 40 45.1 | 28.2 | 1 | 51 16.9 | 23 |
| 37.2 | 36.3 | 36.3 | 36.2 | 33.6 | 35.3 | 35.0 | 34.9 | | 35.4 | 13 | 11 42.6 | 28.2 | 8 | 45 14.4 | 24 |
| 38.5 | 37.8 | 37.8 | 36.9 | 35.7 | 35.6 | 34.8 | 34.8 | | 35.6 | 13 | 7 41.4 | 29.1 | 8 | 47 12.3 | 25 * |
| 47.0 | 43.9 | 46.5 | 41.9 | 26.8 | 20.5 | 27.0 | 21.1 | | 35.4 | 18 | 42 51.3† | 4.9 | 24 | 0 46.4 | 26 ** |
| 34.7 | 35.4 | 34.9 | 34.4 | 33.7 | 33.5 | 29.8 | 30.1 | | 31.7 | 13 | 12 41.8 | 4.6† | 0 | 1 37.2 | 27 ** |
| 35.3 | 35.5 | 35.4 | 34.9 | 33.0 | 32.8 | 32.9 | 30.7 | | 34.7 | 12 | 13 41.9 | 29.3 | 4 | 8 12.6 | 28 |
| 36.9 | 36.8 | 36.4 | 34.4 | 33.5 | 34.1 | 34.6 | 34.7 | | 35.0 | 12 | 53 41.9 | 29.9 | 7 | 59 12.0 | 29 |
| 37.9 | 36.7 | 36.4 | 35.7 | 35.0 | 34.8 | 35.1 | 35.0 | | 35.7 | 14 | 18 45.2 | 30.9 | 9 | 10 14.3 | 30 |
| 36.2 | 36.2 | 36.7 | 35.7 | 35.2 | 34.5 | 34.1 | 30.0 | | 35.3 | 12 | 50 42.5 | 26.2 | 24 | 0 16.3 | 31 |
| 38.7 | 37.2 | 36.5 | 35.8 | 34.1 | 34.0 | 33.6 | 33.0 | | 35.3 | - | 43.9 | 26.5 | - | 17.5 | Mean |
| 38.4 | 37.8 | 37.1 | 36.8 | 36.2 | 35.9 | 35.5 | 35.3 | | 35.5 | - | 41.7 | 29.4 | - | 12.4 | Mean * |
| 40.6 | 36.9 | 37.0 | 35.3 | 29.7 | 28.9 | 29.4 | 27.5 | | 34.5 | - | 46.5 | 15.4 | - | 31.1 | Mean ** |

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

## TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION WEST

| U.T. | 0h | 1h | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 11h | 12h | 13h | 14h | 15h | 16h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NOVEMBER** | | | | | | | 8° + Tabular Quantities | | | | | | | | | | |
| | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | |
| 1 | 26.4 | 29.6 | 33.7 | 36.0 | 33.7 | 32.9 | 32.8 | 31.7 | 31.0 | 31.2 | 33.7 | 36.9 | 39.8 | 41.7 | 41.3 | 39.9 | |
| 2 | 33.5 | 34.7 | 35.3 | 34.7 | 34.7 | 34.0 | 33.9 | 32.9 | 31.3 | 30.8 | 34.7 | 36.9 | 39.9 | 41.4 | 40.9 | 40.8 | |
| 3 | 28.1 | 32.9 | 32.6 | 32.5 | 34.9 | 35.2 | 34.0 | 32.5 | 30.6 | 30.7 | 35.9 | 38.8 | 40.6 | 42.5 | 40.5 | 39.1 | |
| 4 | 32.7 | 32.8 | 34.6 | 34.4 | 34.7 | 33.6 | 32.5 | 33.0 | 31.0 | 29.5 | 31.8 | 37.5 | 40.7 | 41.7 | 41.5 | 39.0 | |
| 5 * | 32.0 | 34.0 | 34.4 | 35.0 | 34.8 | 33.9 | 33.9 | 32.8 | 30.9 | 30.8 | 33.8 | 37.8 | 39.7 | 40.4 | 39.9 | 39.0 | |
| 6 | 34.7 | 34.6 | 33.5 | 33.4 | 35.7 | 34.3 | 33.4 | 31.9 | 30.5 | 30.7 | 32.6 | 37.8 | 39.7 | 41.6 | 42.5 | 41.9 | |
| 7 * | 31.7 | 31.9 | 32.9 | 33.8 | 33.3 | 32.9 | 32.8 | 31.7 | 29.7 | 29.4 | 32.6 | 37.5 | 40.9 | 41.2 | 40.6 | 39.5 | |
| 8 * | 33.7 | 34.5 | 34.7 | 34.1 | 33.3 | 33.1 | 33.7 | 33.0 | 31.3 | 30.7 | 33.0 | 37.7 | 40.7 | 42.4 | 40.0 | 39.1 | |
| 9 | 34.0 | 33.7 | 33.1 | 33.3 | 33.6 | 33.0 | 33.4 | 32.1 | 31.0 | 31.5 | 34.7 | 38.4 | 40.7 | 40.7 | 40.5 | 39.9 | |
| 10 ** | 30.9 | 32.7 | 32.4 | 25.9 | 33.1 | 30.6 | 32.8 | 36.4 | 31.7 | 33.4 | 35.6 | 39.7 | 42.7 | 42.3 | 42.6 | 43.0 | |
| 11 ** | 16.3 | 25.2 | 27.7 | 20.5 | 30.5 | 28.2 | 33.7 | 36.2 | 34.9 | 31.7 | 31.9 | 35.8 | 39.7 | 39.3 | 38.6 | 37.8 | |
| 12 | 27.5 | 30.0 | 32.7 | 32.4 | 32.7 | 32.7 | 32.7 | 31.3 | 34.5 | 32.0 | 33.6 | 36.6 | 40.5 | 37.0 | 40.4 | 33.0 | |
| 13 | 24.9 | 29.4 | 27.6 | 28.3 | 32.3 | 32.0 | 32.7 | 31.7 | 30.6 | 31.0 | 34.6 | 37.4 | 38.3 | 39.0 | 38.6 | 37.7 | |
| 14 ** | 32.6 | 33.6 | 35.0 | 32.0 | 34.7 | 36.4 | 38.7 | 35.0 | 32.3 | 34.7 | 37.8 | 39.1 | 40.4 | 40.1 | 37.2 | 36.2 | |
| 15 ** | 21.1 | 19.8 | 25.8 | 23.3 | 26.5 | 32.6 | 34.7 | 32.7 | 26.2 | 27.3 | 34.2 | 35.0 | 35.5 | 38.8 | 35.6 | 35.4 | |
| 16 ** | 31.7 | 37.4 | 29.4 | 32.4 | 35.9 | 33.8 | 35.7 | 32.6 | 32.0 | 35.7 | 33.7 | 34.7 | 35.2 | 36.0 | 35.7 | 35.8 | |
| 17 | 32.5 | 32.8 | 32.6 | 33.0 | 33.0 | 32.4 | 32.5 | 32.4 | 32.0 | 30.9 | 32.5 | 35.0 | 38.5 | 36.9 | 38.5 | 38.0 | |
| 18 | 30.5 | 30.6 | 31.7 | 35.7 | 34.5 | 36.2 | 34.2 | 32.0 | 31.7 | 31.8 | 33.4 | 35.7 | 37.1 | 37.7 | 38.3 | 37.6 | |
| 19 * | 33.4 | 33.8 | 33.9 | 33.9 | 34.1 | 33.7 | 33.0 | 31.9 | 29.9 | 30.4 | 32.7 | 35.4 | 37.9 | 38.9 | 37.7 | 37.9 | |
| 20 | 33.6 | 34.6 | 34.2 | 34.0 | 34.0 | 33.8 | 33.4 | 32.6 | 32.2 | 31.7 | 34.6 | 36.7 | 40.1 | 39.6 | 39.4 | 38.8 | |
| 21 | 28.6 | 26.8 | 29.5 | 30.7 | 32.6 | 31.6 | 32.8 | 33.3 | 31.6 | 33.6 | 33.8 | 34.9 | 37.8 | 39.6 | 38.9 | 38.5 | |
| 22 | 27.9 | 32.5 | 33.5 | 33.5 | 33.8 | 34.6 | 34.8 | 34.4 | 31.8 | 31.4 | 33.7 | 37.3 | 38.7 | 41.2 | 42.6 | 42.2 | |
| 23 | 25.4 | 27.9 | 31.2 | 33.5 | 32.5 | 33.2 | 36.4 | 36.0 | 32.4 | 33.4 | 33.6 | 35.5 | 37.6 | 39.2 | 39.4 | 37.8 | |
| 24 | 32.5 | 33.5 | 33.7 | 34.1 | 33.3 | 33.1 | 33.3 | 32.5 | 31.6 | 32.2 | 34.4 | 34.8 | 38.3 | 37.6 | 37.5 | 34.2 | |
| 25 | 31.2 | 30.2 | 30.2 | 32.4 | 32.9 | 33.2 | 33.0 | 34.1 | 33.9 | 32.4 | 34.1 | 35.4 | 38.3 | 43.6 | 43.0 | 41.5 | |
| 26 * | 30.4 | 30.9 | 28.6 | 32.0 | 32.5 | 32.4 | 32.4 | 32.4 | 32.0 | 31.4 | 33.3 | 35.6 | 37.3 | 37.4 | 37.2 | 36.2 | |
| 27 | 32.5 | 32.1 | 32.1 | 32.1 | 31.4 | 32.2 | 32.2 | 32.3 | 31.6 | 32.5 | 34.0 | 36.4 | 37.5 | 38.3 | 37.3 | 36.6 | |
| 28 | 20.5 | 24.0 | 26.6 | 31.3 | 31.5 | 33.6 | 32.1 | 32.5 | 33.2 | 33.3 | 33.5 | 36.0 | 37.7 | 38.0 | 37.9 | 37.5 | |
| 29 | 34.2 | 33.2 | 32.7 | 32.7 | 32.6 | 32.3 | 31.9 | 32.2 | 32.3 | 31.9 | 33.3 | 35.8 | 37.8 | 39.6 | 38.7 | 37.6 | |
| 30 | 35.2 | 35.2 | 33.3 | 32.2 | 34.7 | 33.2 | 33.0 | 32.6 | 32.7 | 32.2 | 34.2 | 35.9 | 38.0 | 39.3 | 38.4 | 38.9 | |
| Mean | 30.0 | 31.5 | 32.0 | 32.1 | 33.3 | 33.2 | 33.5 | 33.0 | 31.6 | 31.7 | 33.8 | 36.6 | 38.9 | 39.8 | 39.4 | 38.3 | |
| Mean * | 32.2 | 33.0 | 32.9 | 33.8 | 33.6 | 33.2 | 33.2 | 32.4 | 30.8 | 30.5 | 33.1 | 36.8 | 39.3 | 40.1 | 39.1 | 38.3 | |
| Mean ** | 26.5 | 29.7 | 30.1 | 26.8 | 32.1 | 32.3 | 35.1 | 34.6 | 31.4 | 32.6 | 34.6 | 36.9 | 38.7 | 39.3 | 37.9 | 37.6 | |
| **DECEMBER** | | | | | | | 8° + Tabular Quantities | | | | | | | | | | |
| | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | |
| 1 | 33.0 | 34.2 | 33.9 | 33.7 | 33.8 | 33.2 | 33.0 | 32.8 | 32.7 | 32.8 | 33.8 | 35.7 | 37.1 | 38.7 | 37.8 | 37.7 | |
| 2 | 28.9 | 27.0 | 29.1 | 32.0 | 32.0 | 32.0 | 31.8 | 32.2 | 32.7 | 32.8 | 33.3 | 35.8 | 36.8 | 38.0 | 38.0 | 38.0 | |
| 3 | 29.1 | 29.4 | 31.1 | 32.7 | 32.1 | 32.2 | 33.0 | 32.8 | 32.0 | 31.2 | 32.2 | 34.1 | 35.7 | 37.9 | 38.8 | 37.1 | |
| 4 | 33.1 | 32.4 | 33.5 | 32.0 | 32.7 | 34.0 | 33.2 | 33.1 | 32.1 | 31.9 | 33.3 | 37.2 | 38.1 | 40.0 | 39.1 | 37.9 | |
| 5 | 32.1 | 32.0 | 32.4 | 32.3 | 33.4 | 33.3 | 33.9 | 32.9 | 31.4 | 31.2 | 33.1 | 34.2 | 36.5 | 38.1 | 38.9 | 38.5 | |
| 6 | 33.3 | 33.3 | 34.2 | 35.1 | 33.9 | 32.7 | 33.1 | 32.9 | 32.2 | 32.1 | 32.1 | 34.1 | 35.6 | 38.1 | 38.3 | 38.1 | |
| 7 | 31.0 | 32.9 | 33.2 | 33.9 | 33.8 | 34.8 | 34.2 | 34.0 | 33.4 | 32.1 | 32.4 | 34.1 | 36.2 | 36.7 | 37.9 | 38.0 | |
| 8 | 32.0 | 32.0 | 32.0 | 33.1 | 33.9 | 34.3 | 34.6 | 36.2 | 36.0 | 33.9 | 34.8 | 36.7 | 38.8 | 38.5 | 37.0 | 36.1 | |
| 9 | 31.9 | 32.7 | 33.1 | 34.0 | 33.8 | 33.9 | 33.6 | 33.0 | 32.3 | 32.9 | 33.9 | 34.9 | 36.7 | 37.1 | 38.1 | 37.4 | |
| 10 ** | 28.2 | 30.2 | 30.0 | 33.8 | 28.9 | 32.1 | 33.0 | 34.3 | 33.8 | 32.9 | 33.0 | 34.9 | 38.8 | 40.3 | 40.1 | 41.0 | |
| 11 * | 30.1 | 31.3 | 32.1 | 32.7 | 32.9 | 33.3 | 33.8 | 33.4 | 32.7 | 31.1 | 31.9 | 33.5 | 35.1 | 37.4 | 37.3 | 36.6 | |
| 12 | 33.4 | 33.4 | 33.2 | 33.4 | 33.8 | 33.4 | 33.4 | 33.6 | 32.4 | 31.4 | 32.0 | 34.3 | 37.2 | 38.3 | 38.0 | 38.1 | |
| 13 ** | 31.1 | 32.2 | 34.5 | 35.0 | 36.3 | 35.1 | 33.3 | 34.3 | 36.8 | 34.3 | 34.7 | 37.4 | 39.5 | 39.3 | 35.4 | 38.9 | |
| 14 | 29.4 | 30.5 | 32.8 | 34.3 | 33.5 | 33.8 | 33.5 | 33.3 | 32.3 | 32.3 | 35.4 | 36.4 | 37.5 | 39.0 | 38.9 | 38.0 | |
| 15 * | 33.0 | 34.2 | 34.1 | 33.3 | 33.0 | 33.0 | 33.2 | 33.0 | 31.5 | 32.1 | 33.6 | 35.4 | 36.5 | 37.7 | 38.0 | 36.3 | |
| 16 * | 33.4 | 34.4 | 34.0 | 34.5 | 34.2 | 33.3 | 32.4 | 32.9 | 32.4 | 30.4 | 31.9 | 34.5 | 36.1 | 37.4 | 36.9 | 35.9 | |
| 17 * | 33.6 | 34.2 | 34.5 | 34.4 | 33.6 | 33.5 | 33.7 | 33.4 | 33.2 | 32.2 | 33.4 | 35.3 | 37.4 | 38.2 | 37.3 | 37.3 | |
| 18 | 34.0 | 34.4 | 34.8 | 34.5 | 35.3 | 34.3 | 33.4 | 33.3 | 32.5 | 31.3 | 33.2 | 34.9 | 37.3 | 38.5 | 39.3 | 39.2 | |
| 19 | 33.2 | 34.5 | 34.2 | 34.0 | 34.2 | 34.4 | 33.6 | 33.0 | 31.5 | 30.6 | 32.2 | 34.2 | 35.7 | 37.8 | 38.2 | 37.4 | |
| 20 | 32.6 | 34.2 | 34.4 | 34.4 | 34.3 | 34.4 | 33.9 | 33.3 | 33.2 | 32.2 | 33.2 | 34.7 | 36.4 | 37.5 | 37.4 | 36.6 | |
| 21 * | 33.3 | 33.5 | 34.2 | 34.8 | 35.0 | 34.5 | 34.5 | 33.7 | 33.4 | 32.5 | 32.8 | 34.5 | 36.2 | 37.5 | 38.3 | 38.4 | |
| 22 | 33.0 | 34.5 | 34.5 | 33.8 | 34.1 | 33.7 | 33.5 | 33.5 | 32.5 | 31.8 | 32.6 | 34.5 | 36.3 | 37.5 | 37.8 | 38.6 | |
| 23 | 32.8 | 34.5 | 33.7 | 34.3 | 34.4 | 34.5 | 34.4 | 34.4 | 33.7 | 32.8 | 33.4 | 34.6 | 37.1 | 38.7 | 38.7 | 38.1 | |
| 24 | 31.4 | 31.7 | 30.3 | 28.4 | 30.8 | 32.9 | 34.5 | 35.3 | 34.5 | 33.5 | 33.5 | 34.7 | 35.7 | 37.4 | 38.4 | 37.6 | |
| 25 ** | 32.3 | 34.3 | 32.5 | 32.5 | 32.5 | 32.6 | 33.2 | 33.5 | 32.5 | 32.2 | 32.7 | 37.5 | 39.3 | 39.7 | 37.5 | 37.6 | |
| 26 | 32.0 | 29.6 | 28.7 | 28.6 | 31.5 | 31.5 | 34.4 | 33.6 | 34.7 | 33.4 | 35.1 | 34.9 | 36.5 | 37.5 | 38.3 | 37.6 | |
| 27 | 33.6 | 34.4 | 33.6 | 33.4 | 33.2 | 33.1 | 33.1 | 33.0 | 32.6 | 32.5 | 34.2 | 36.1 | 38.3 | 39.0 | 39.2 | 39.3 | |
| 28 ** | 32.1 | 31.5 | 31.6 | 32.3 | 32.1 | 31.6 | 32.7 | 33.5 | 33.5 | 33.4 | 33.9 | 35.0 | 37.2 | 39.3 | 40.3 | 38.5 | |
| 29 | 31.1 | 34.1 | 32.9 | 30.0 | 30.7 | 31.4 | 32.4 | 32.6 | 32.4 | 31.4 | 33.2 | 34.9 | 36.9 | 39.5 | 38.1 | 36.5 | |
| 30 ** | 33.4 | 34.6 | 33.3 | 33.5 | 33.4 | 32.9 | 33.6 | 36.7 | 34.9 | 33.1 | 30.5 | 35.7 | 36.6 | 39.0 | 38.6 | 38.5 | |
| 31 | 31.1 | 31.5 | 32.8 | 34.0 | 33.9 | 33.7 | 33.1 | 32.7 | 32.9 | 31.0 | 31.8 | 33.7 | 34.6 | 37.1 | 37.4 | 37.4 | |
| Mean | 32.0 | 32.3 | 32.9 | 33.2 | 33.3 | 33.3 | 33.5 | 33.6 | 33.1 | 32.2 | 33.1 | 35.1 | 36.9 | 38.3 | 38.2 | 37.8 | |
| Mean * | 32.7 | 33.1 | 33.8 | 33.9 | 33.7 | 33.5 | 33.5 | 33.3 | 32.6 | 31.7 | 32.7 | 34.6 | 36.3 | 37.6 | 37.6 | 36.9 | |
| Mean ** | 31.4 | 32.2 | 32.4 | 33.4 | 32.6 | 32.9 | 33.2 | 34.5 | 34.3 | 33.2 | 33.0 | 36.1 | 38.3 | 39.5 | 38.4 | 38.9 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

8° + Tabular Quantities — NOVEMBER

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum | | Minimum | | Range | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | | ′ | h m | ′ | ′ | h m | ′ | |
| 37.7 | 36.6 | 37.4 | 36.5 | 36.0 | 35.0 | 31.8 | 33.1 | | 34.9 | 13 7 | 44.1 | 25.5 | 0 10 | 18.6 | 1 |
| 38.9 | 38.5 | 37.9 | 36.8 | 35.7 | 34.4 | 31.5 | 32.0 | | 35.7 | 14 45 | 43.1 | 29.2 | 9 2 | 13.9 | 2 |
| 38.5 | 37.7 | 34.9 | 33.0 | 33.6 | 34.5 | 34.5 | 33.7 | | 35.1 | 13 37 | 44.8 | 24.8 | 0 14 | 20.0 | 3 |
| 37.4 | 37.6 | 37.1 | 35.6 | 34.7 | 34.7 | 34.5 | 33.1 | | 35.2 | 13 3 | 42.6 | 27.9 | 9 12 | 14.7 | 4 |
| 37.9 | 37.8 | 37.7 | 36.4 | 35.5 | 33.0 | 31.8 | 33.9 | | 35.3 | 13 11 | 41.0 | 29.2 | 8 53 | 11.8 | 5 * |
| 39.2 | 40.7 | 37.7 | 36.1 | 32.6 | 32.5 | 33.2 | 30.7 | | 35.5 | 14 27 | 43.7 | 28.4 | 23 56 | 15.3 | 6 |
| 38.3 | 37.7 | 38.0 | 36.7 | 36.1 | 35.1 | 34.2 | 33.4 | | 35.1 | 13 57 | 42.1 | 28.2 | 9 7 | 13.9 | 7 * |
| 38.0 | 37.7 | 37.5 | 36.8 | 36.8 | 35.6 | 34.9 | 34.6 | | 35.7 | 13 33 | 43.7 | 29.6 | 8 45 | 14.1 | 8 * |
| 38.1 | 39.7 | 40.1 | 37.9 | 36.4 | 35.7 | 37.4 | 32.7 | | 35.9 | 12 23 | 42.1 | 26.9 | 23 58 | 15.2 | 9 |
| 42.7 | 39.9 | 37.6 | 36.0 | 32.5 | 34.1 | 25.5 | 13.7 | | 34.5 | 18 36 | 50.5 | 8.5 | 23 51 | 42.0 | 10 ** |
| 38.9 | 40.1 | 39.2 | 41.2 | 33.9 | 22.7 | 25.9 | 18.7 | | 32.0 | 19 49 | 44.6 | 9.8 | 23 55 | 34.8 | 11 ** |
| 37.9 | 34.9 | 29.6 | 32.5 | 32.5 | 32.4 | 31.7 | 26.7 | | 33.2 | 12 13 | 44.0 | 20.8 | 23 50 | 23.2 | 12 |
| 36.9 | 35.8 | 35.0 | 34.6 | 33.8 | 34.6 | 34.1 | 30.9 | | 33.4 | 12 53 | 40.0 | 22.6 | 0 51 | 17.4 | 13 |
| 38.0 | 33.6 | 36.1 | 36.8 | 33.2 | 23.1 | 21.5 | 17.4 | | 34.0 | 20 50 | 42.0 | 6.9† | 23 47 | 35.1 | 14 ** |
| 36.5 | 36.4 | 35.1 | 33.8 | 34.0 | 32.7 | 30.5 | 29.5 | | 31.4 | 13 22 | 43.7 | 10.4 | 0 0 | 33.3 | 15 ** |
| 34.9 | 35.6 | 34.0 | 32.7 | 32.6 | 30.9 | 30.7 | 32.6 | | 33.8 | 4 40 | 44.7 | 23.8 | 19 40 | 20.9 | 16 ** |
| 35.1 | 37.3 | 35.5 | 34.7 | 31.7 | 31.3 | 28.7 | 27.5 | | 33.6 | 12 18 | 40.4 | 26.4 | 23 3 | 14.0 | 17 |
| 36.7 | 35.8 | 34.8 | 33.9 | 33.9 | 33.5 | 33.7 | 33.6 | | 34.4 | 13 39 | 39.3 | 26.4 | 0 4 | 12.9 | 18 |
| 36.7 | 35.8 | 35.5 | 34.8 | 33.8 | 34.2 | 33.9 | 33.8 | | 34.5 | 13 29 | 40.1 | 28.9 | 9 46 | 11.2 | 19 * |
| 39.6 | 40.4 | 37.6 | 35.8 | 33.8 | 32.4 | 33.5 | 32.5 | | 35.4 | 12 47 | 43.7 | 29.7 | 23 52 | 14.0 | 20 |
| 35.8 | 35.6 | 33.1 | 29.1 | 32.5 | 31.4 | 26.3 | 21.8 | | 32.5 | 13 28 | 41.1 | 17.0 | 23 2 | 24.1 | 21 |
| 43.3 | 41.1 | 33.9 | 31.9 | 28.0 | 24.1 | 24.5 | 22.1 | | 33.9 | 16 43 | 44.5 | 17.8 | 23 37 | 26.7 | 22 |
| 40.4 | 35.1 | 34.7 | 33.0 | 31.3 | 32.3 | 32.4 | 32.6 | | 34.0 | 13 13 | 42.8 | 24.3 | 0 17 | 18.5 | 23 |
| 39.2 | 38.3 | 39.3 | 35.0 | 34.1 | 32.3 | 31.3 | 31.1 | | 34.5 | 18 3 | 43.3 | 28.5 | 23 1 | 14.8 | 24 |
| 39.3 | 39.2 | 36.3 | 35.0 | 34.1 | 33.2 | 31.9 | 32.0 | | 35.0 | 13 26 | 55.3† | 28.5 | 2 0 | 26.8 | 25 |
| 35.2 | 35.2 | 35.2 | 34.5 | 34.5 | 33.7 | 33.4 | 33.2 | | 33.6 | 13 18 | 38.5 | 26.9 | 2 3 | 11.6 | 26 * |
| 36.1 | 36.1 | 36.2 | 37.3 | 38.2 | 30.4 | 26.5 | 22.1 | | 33.5 | 20 35 | 41.6 | 18.8 | 23 40 | 22.8 | 27 |
| 37.4 | 37.2 | 37.8 | 36.2 | 34.7 | 34.3 | 33.8 | 33.8 | | 33.5 | 18 45 | 38.9 | 19.3 | 0 38 | 19.6 | 28 |
| 36.3 | 37.7 | 34.5 | 32.4 | 35.3 | 34.5 | 34.2 | 31.5 | | 34.4 | 13 23 | 40.9 | 29.5 | 19 10 | 11.4 | 29 |
| 37.4 | 38.0 | 36.5 | 36.4 | 35.6 | 34.2 | 34.1 | 34.1 | | 35.2 | 13 33 | 40.6 | 30.6 | 9 20 | 10.0 | 30 |
| 37.9 | 37.4 | 36.2 | 35.1 | 34.0 | 32.4 | 31.4 | 29.6 | | 34.3 | - | 42.9 | 23.5 | - | 19.4 | Mean |
| 37.2 | 36.8 | 36.8 | 35.8 | 35.3 | 34.3 | 33.6 | 33.8 | | 34.8 | - | 41.1 | 28.6 | - | 12.5 | Mean * |
| 38.2 | 37.1 | 36.4 | 36.1 | 33.2 | 28.7 | 26.8 | 22.4 | | 33.1 | - | 45.1 | 11.9 | - | 33.2 | Mean ** |

8° + Tabular Quantities — DECEMBER

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ′ | ′ | ′ | ′ | ′ | ′ | ′ | ′ | | ′ | h m | ′ | ′ | h m | ′ | |
| 37.9 | 36.2 | 35.8 | 35.2 | 34.1 | 32.1 | 33.2 | 32.2 | | 34.6 | 13 22 | 40.1 | 31.1 | 21 43 | 9.0 | 1 |
| 35.8 | 36.2 | 36.2 | 34.5 | 32.7 | 33.3 | 33.0 | 30.0 | | 33.4 | 13 30 | 39.4 | 26.4 | 1 38 | 13.0 | 2 |
| 36.8 | 37.0 | 37.1 | 35.8 | 30.8 | 31.6 | 33.0 | 33.1 | | 33.6 | 13 46 | 40.5 | 27.4 | 20 39 | 13.1 | 3 |
| 37.2 | 36.2 | 35.1 | 35.2 | 33.9 | 31.8 | 31.4 | 32.1 | | 34.4 | 13 16 | 41.6 | 28.3 | 22 4 | 13.3 | 4 |
| 41.1 | 38.4 | 36.3 | 34.5 | 34.0 | 33.3 | 33.3 | 33.3 | | 34.5 | 16 38 | 43.0 | 29.2 | 1 17 | 13.8 | 5 |
| 37.9 | 38.7 | 38.3 | 37.0 | 35.1 | 28.3 | 31.1 | 30.8 | | 34.4 | 15 10 | 40.5 | 24.6 | 21 22 | 15.9 | 6 |
| 36.6 | 32.5 | 35.1 | 34.7 | 34.0 | 32.7 | 31.2 | 32.0 | | 34.1 | 15 29 | 38.8 | 29.8 | 0 10 | 9.0 | 7 |
| 35.4 | 35.0 | 35.1 | 35.2 | 31.2 | 33.3 | 32.7 | 32.1 | | 34.6 | 12 27 | 41.1 | 29.7 | 20 38 | 11.4 | 8 |
| 36.9 | 35.7 | 35.1 | 35.7 | 33.8 | 32.5 | 31.4 | 28.7 | | 34.1 | 14 20 | 39.0 | 27.5 | 23 43 | 11.5 | 9 |
| 39.3 | 38.3 | 38.0 | 36.2 | 34.3 | 34.1 | 23.0 | 28.0 | | 34.0 | 13 7 | 42.0 | 20.7† | 22 45 | 21.3 | 10 ** |
| 35.7 | 34.9 | 34.9 | 34.9 | 34.9 | 34.1 | 33.1 | 33.2 | | 33.8 | 14 3 | 38.5 | 29.1 | 0 1 | 9.4 | 11 * |
| 39.9 | 43.3 | 40.1 | 37.2 | 34.7 | 28.5 | 25.2 | 28.0 | | 34.4 | 17 49 | 46.0† | 23.6 | 22 45 | 22.4 | 12 |
| 37.2 | 35.5 | 35.0 | 34.4 | 33.3 | 32.8 | 32.1 | 30.8 | | 35.0 | 13 28 | 40.7 | 27.3 | 23 51 | 13.4 | 13 ** |
| 36.5 | 37.3 | 35.6 | 34.2 | 35.3 | 33.2 | 31.2 | 31.3 | | 34.4 | 13 32 | 40.3 | 27.1 | 0 10 | 13.2 | 14 |
| 35.1 | 34.0 | 34.4 | 34.7 | 34.2 | 33.8 | 33.9 | 33.9 | | 34.2 | 14 5 | 39.5 | 31.1 | 8 58 | 8.4 | 15 * |
| 34.5 | 34.2 | 34.2 | 34.4 | 34.2 | 33.8 | 33.4 | 34.0 | | 34.1 | 13 40 | 38.4 | 29.6 | 9 43 | 8.8 | 16 * |
| 36.2 | 35.4 | 35.1 | 34.5 | 33.6 | 33.1 | 33.3 | 33.7 | | 34.6 | 13 13 | 39.3 | 31.0 | 9 47 | 8.3 | 17 * |
| 37.0 | 35.5 | 35.1 | 33.5 | 33.1 | 33.3 | 33.3 | 33.2 | | 34.8 | 15 8 | 40.6 | 30.5 | 9 46 | 10.1 | 18 |
| 36.5 | 36.0 | 35.5 | 34.6 | 33.6 | 33.8 | 32.3 | 30.1 | | 34.2 | 14 18 | 39.1 | 27.0 | 23 43 | 12.1 | 19 |
| 35.6 | 35.5 | 35.3 | 34.4 | 33.5 | 32.4 | 31.6 | 32.5 | | 34.3 | 14 26 | 38.1 | 30.1 | 0 0 | 8.0 | 20 |
| 36.8 | 36.4 | 36.2 | 35.9 | 35.2 | 33.7 | 32.7 | 32.7 | | 34.9 | 15 7 | 39.9 | 31.7 | 9 40 | 8.2 | 21 * |
| 37.5 | 36.7 | 35.4 | 34.4 | 34.3 | 33.6 | 33.4 | 32.9 | | 34.6 | 13 54 | 40.6 | 31.4 | 9 25 | 9.2 | 22 |
| 36.6 | 36.4 | 35.9 | 35.7 | 35.5 | 34.8 | 32.4 | 31.3 | | 34.9 | 14 47 | 39.8 | 30.6 | 23 51 | 9.2 | 23 |
| 36.4 | 36.7 | 37.7 | 36.6 | 35.4 | 34.3 | 33.5 | 33.4 | | 34.4 | 15 7 | 39.4 | 27.0 | 3 15 | 12.4 | 24 |
| 38.2 | 39.6 | 43.3 | 41.8 | 37.1 | 32.2 | 31.4 | 32.3 | | 35.3 | 18 59 | 44.9 | 24.1 | 21 41 | 20.8 | 25 ** |
| 36.8 | 36.2 | 35.5 | 34.9 | 34.2 | 33.6 | 33.7 | 33.7 | | 34.0 | 14 33 | 38.9 | 27.0 | 3 48 | 11.9 | 26 |
| 40.4 | 35.6 | 39.7 | 37.4 | 33.8 | 33.4 | 33.3 | 32.4 | | 35.2 | 18 33 | 43.5 | 31.0 | 20 0 | 12.5 | 27 |
| 37.8 | 38.5 | 35.0 | 33.9 | 32.6 | 33.4 | 33.4 | 32.4 | | 34.4 | 14 33 | 42.6 | 28.7 | 1 21 | 13.9 | 28 ** |
| 35.6 | 35.3 | 35.6 | 34.6 | 32.7 | 32.9 | 31.6 | 33.1 | | 33.7 | 13 51 | 41.0 | 28.7 | 3 48 | 12.3 | 29 |
| 37.2 | 37.3 | 37.2 | 36.3 | 35.0 | 33.5 | 32.4 | 30.5 | | 34.9 | 13 2 | 39.9 | 28.7 | 10 28 | 11.2 | 30 ** |
| 36.3 | 35.5 | 35.7 | 35.0 | 34.1 | 34.1 | 33.7 | 33.0 | | 34.0 | 15 10 | 38.6 | 29.5 | 9 41 | 9.1 | 31 |
| 37.1 | 36.5 | 36.3 | 35.4 | 34.0 | 32.9 | 32.1 | 32.0 | | 34.4 | - | 40.5 | 28.4 | - | 12.1 | Mean |
| 35.7 | 35.0 | 35.0 | 34.9 | 34.4 | 33.7 | 33.3 | 33.5 | | 34.3 | - | 39.1 | 30.5 | - | 8.6 | Mean * |
| 37.9 | 37.8 | 37.7 | 36.5 | 34.5 | 33.2 | 30.5 | 30.8 | | 34.7 | - | 42.0 | 25.9 | - | 16.1 | Mean ** |

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

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

| U.T. | 0h | 1h | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 11h | 12h | 13h | 14h | 15h | 16h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **JANUARY** | | | | | | 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | |
| 1 | 759 | 745 | 740 | 744 | 747 | 750 | 754 | 754 | 753 | 754 | 748 | 744 | 741 | 744 | 744 | 739 | |
| 2 | 730 | 735 | 734 | 738 | 740 | 742 | 744 | 744 | 748 | 746 | 744 | 743 | 744 | 744 | 743 | 734 | |
| 3 | 746 | 738 | 743 | 754 | 748 | 747 | 754 | 748 | 741 | 737 | 725 | 740 | 748 | 748 | 750 | 751 | |
| 4 | 751 | 743 | 742 | 744 | 748 | 762 | 754 | 754 | 748 | 738 | 735 | 732 | 743 | 752 | 754 | 750 | |
| 5 | 746 | 749 | 749 | 744 | 747 | 748 | 755 | 756 | 754 | 745 | 744 | 744 | 758 | 757 | 752 | 752 | |
| 6 | 755 | 766 | 748 | 745 | 750 | 754 | 760 | 760 | 764 | 760 | 757 | 759 | 755 | 736 | 721 | 727 | |
| 7 | 743 | 740 | 741 | 743 | 743 | 744 | 748 | 751 | 748 | 744 | 738 | 739 | 742 | 743 | 743 | 734 | |
| 8 * | 743 | 739 | 743 | 743 | 744 | 746 | 748 | 750 | 745 | 734 | 729 | 733 | 739 | 743 | 746 | 754 | |
| 9 | 747 | 746 | 747 | 750 | 763 | 762 | 757 | 753 | 748 | 734 | 715 | 713 | 714 | 722 | 735 | 744 | |
| 10 | 748 | 748 | 750 | 753 | 755 | 755 | 766 | 761 | 745 | 726 | 729 | 728 | 733 | 735 | 726 | 716 | |
| 11 ** | 711 | 736 | 761 | 737 | 744 | 751 | 741 | 735 | 716 | 701 | 694 | 694 | 688 | 700 | 691 | 696 | |
| 12 | 735 | 734 | 738 | 742 | 745 | 752 | 757 | 744 | 736 | 732 | 725 | 707 | 712 | 714 | 725 | 727 | |
| 13 | 725 | 753 | 736 | 734 | 739 | 741 | 739 | 741 | 742 | 735 | 733 | 732 | 738 | 744 | 750 | 748 | |
| 14 | 740 | 738 | 738 | 742 | 744 | 744 | 742 | 747 | 744 | 748 | 744 | 748 | 751 | 744 | 738 | 738 | |
| 15 * | 746 | 747 | 747 | 749 | 752 | 754 | 757 | 760 | 760 | 754 | 747 | 741 | 738 | 744 | 749 | 751 | |
| 16 * | 748 | 758 | 758 | 759 | 760 | 760 | 762 | 759 | 756 | 751 | 744 | 750 | 756 | 755 | 758 | 754 | |
| 17 | 755 | 755 | 756 | 756 | 753 | 754 | 756 | 759 | 750 | 738 | 735 | 734 | 730 | 735 | 741 | 740 | |
| 18 ** | 779 | 735 | 753 | 778 | 770 | 774 | 774 | 784 | 758 | 748 | 735 | 750 | 752 | 755 | 759 | 734 | |
| 19 ** | 738 | 726 | 733 | 741 | 747 | 752 | 754 | 747 | 724 | 709 | 704 | 701 | 700 | 693 | 702 | 718 | |
| 20 * | 740 | 735 | 734 | 736 | 742 | 741 | 742 | 744 | 740 | 730 | 724 | 722 | 723 | 730 | 737 | 743 | |
| 21 | 753 | 745 | 745 | 748 | 749 | 749 | 752 | 753 | 749 | 742 | 736 | 734 | 736 | 744 | 747 | 743 | |
| 22 | 791 | 745 | 726 | 705 | 743 | 745 | 737 | 745 | 738 | 730 | 726 | 724 | 735 | 737 | 745 | 746 | |
| 23 | 744 | 744 | 744 | 747 | 752 | 760 | 763 | 753 | 741 | 726 | 722 | 720 | 724 | 732 | 740 | 752 | |
| 24 ** | 752 | 743 | 737 | 736 | 746 | 772 | 755 | 746 | 735 | 713 | 706 | 690 | 684 | 710 | 716 | 722 | |
| 25 | 704 | 720 | 727 | 715 | 724 | 747 | 747 | 741 | 729 | 724 | 718 | 716 | 716 | 719 | 722 | 733 | |
| 26 * | 742 | 741 | 741 | 742 | 743 | 746 | 751 | 746 | 751 | 751 | 752 | 746 | 741 | 741 | 744 | 744 | |
| 27 | 756 | 755 | 753 | 753 | 753 | 756 | 760 | 762 | 761 | 769 | 755 | 756 | 756 | 755 | 754 | 750 | |
| 28 ** | 719 | 723 | 717 | 724 | 768 | 787 | 755 | 746 | 750 | 749 | 727 | 719 | 702 | 709 | 733 | 734 | |
| 29 | 735 | 731 | 733 | 739 | 744 | 746 | 748 | 745 | 742 | 737 | 743 | 742 | 744 | 747 | 717 | 735 | |
| 30 | 763 | 735 | 742 | 736 | 742 | 754 | 745 | 746 | 745 | 740 | 735 | 733 | 730 | 734 | 728 | 717 | |
| 31 | 742 | 735 | 742 | 749 | 755 | 749 | 752 | 753 | 741 | 742 | 733 | 715 | 733 | 736 | 726 | 744 | |
| Mean | 745 | 741 | 742 | 743 | 748 | 753 | 753 | 751 | 745 | 738 | 732 | 731 | 732 | 736 | 737 | 738 | |
| Mean * | 744 | 744 | 745 | 746 | 748 | 749 | 752 | 752 | 750 | 744 | 739 | 738 | 739 | 743 | 747 | 749 | |
| Mean ** | 740 | 733 | 740 | 743 | 755 | 767 | 756 | 752 | 737 | 724 | 713 | 711 | 705 | 713 | 720 | 721 | |
| **FEBRUARY** | | | | | | 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | |
| 1 | 740 | 736 | 734 | 737 | 733 | 739 | 742 | 743 | 747 | 748 | 743 | 742 | 744 | 741 | 735 | 725 | |
| 2 | 737 | 735 | 736 | 734 | 735 | 746 | 748 | 738 | 751 | 747 | 738 | 733 | 733 | 736 | 744 | 745 | |
| 3 | 734 | 744 | 744 | 744 | 748 | 754 | 750 | 746 | 747 | 743 | 731 | 729 | 730 | 741 | 750 | 750 | |
| 4 | 740 | 742 | 745 | 747 | 749 | 747 | 749 | 750 | 748 | 744 | 743 | 735 | 732 | 738 | 741 | 743 | |
| 5 | 745 | 747 | 748 | 747 | 748 | 751 | 755 | 756 | 752 | 741 | 733 | 735 | 736 | 736 | 749 | 755 | |
| 6 | 744 | 745 | 743 | 744 | 748 | 754 | 757 | 754 | 752 | 745 | 741 | 729 | 739 | 744 | 744 | 746 | |
| 7 * | 751 | 755 | 755 | 755 | 754 | 755 | 759 | 758 | 750 | 740 | 735 | 735 | 739 | 745 | 754 | 759 | |
| 8 * | 752 | 754 | 755 | 758 | 760 | 762 | 762 | 761 | 759 | 752 | 751 | 746 | 745 | 749 | 751 | 755 | |
| 9 * | 756 | 750 | 751 | 754 | 755 | 760 | 765 | 767 | 764 | 759 | 755 | 751 | 751 | 755 | 754 | 755 | |
| 10 * | 762 | 761 | 764 | 762 | 762 | 765 | 771 | 772 | 771 | 763 | 759 | 756 | 762 | 759 | 761 | 758 | |
| 11 ** | 759 | 767 | 774 | 757 | 771 | 778 | 775 | 774 | 776 | 766 | 761 | 755 | 754 | 743 | 744 | 746 | |
| 12 ** | 726 | 725 | 747 | 751 | 764 | 743 | 764 | 755 | 756 | 711 | 718 | 707 | 727 | 733 | 737 | 738 | |
| 13 | 740 | 746 | 746 | 748 | 749 | 754 | 757 | 758 | 750 | 746 | 736 | 725 | 724 | 737 | 738 | 747 | |
| 14 * | 755 | 756 | 759 | 761 | 758 | 761 | 766 | 764 | 756 | 750 | 741 | 732 | 732 | 736 | 745 | 754 | |
| 15 | 758 | 757 | 761 | 762 | 765 | 767 | 767 | 767 | 760 | 751 | 735 | 729 | 733 | 737 | 751 | 756 | |
| 16 | 769 | 761 | 757 | 764 | 784 | 766 | 773 | 767 | 758 | 747 | 734 | 734 | 729 | 726 | 735 | 726 | |
| 17 | 756 | 758 | 757 | 760 | 765 | 766 | 769 | 767 | 766 | 756 | 742 | 729 | 733 | 736 | 744 | 745 | |
| 18 | 756 | 756 | 756 | 759 | 762 | 766 | 768 | 775 | 767 | 756 | 736 | 727 | 728 | 736 | 744 | 747 | |
| 19 | 757 | 757 | 771 | 776 | 777 | 777 | 776 | 776 | 767 | 756 | 744 | 713 | 717 | 712 | 727 | 745 | |
| 20 | 754 | 750 | 754 | 755 | 756 | 757 | 761 | 762 | 755 | 744 | 734 | 727 | 734 | 729 | 729 | 738 | |
| 21 | 757 | 757 | 756 | 756 | 757 | 757 | 760 | 764 | 756 | 744 | 734 | 729 | 736 | 744 | 748 | 748 | |
| 22 | 784 | 776 | 768 | 758 | 768 | 772 | 767 | 767 | 757 | 754 | 743 | 756 | 753 | 756 | 753 | 739 | |
| 23 | 759 | 760 | 758 | 759 | 758 | 758 | 761 | 758 | 752 | 743 | 737 | 735 | 742 | 754 | 756 | 757 | |
| 24 | 757 | 757 | 756 | 757 | 758 | 760 | 761 | 755 | 746 | 738 | 733 | 734 | 744 | 752 | 757 | 758 | |
| 25 ** | 759 | 759 | 760 | 773 | 763 | 754 | 748 | 633 | 619 | 668 | 661 | 671 | 661 | 664 | 692 | 707 | |
| 26 | 709 | 695 | 699 | 699 | 699 | 699 | 702 | 706 | 701 | 709 | 699 | 700 | 698 | 711 | 716 | 719 | |
| 27 | 727 | 720 | 716 | 718 | 724 | 728 | 731 | 719 | 716 | 721 | 721 | 716 | 718 | 717 | 725 | 730 | |
| 28 ** | 716 | 726 | 726 | 740 | 735 | 734 | 743 | 743 | 734 | 732 | 719 | 718 | 723 | 726 | 736 | 726 | |
| 29 ** | 760 | 733 | 740 | 717 | 736 | 739 | 739 | 751 | 729 | 707 | 711 | 708 | 710 | 725 | 734 | 700 | |
| Mean | 749 | 748 | 750 | 750 | 753 | 754 | 757 | 752 | 747 | 741 | 733 | 729 | 731 | 735 | 741 | 742 | |
| Mean * | 755 | 755 | 757 | 758 | 758 | 761 | 765 | 764 | 760 | 753 | 748 | 744 | 746 | 749 | 753 | 756 | |
| Mean ** | 744 | 742 | 749 | 748 | 754 | 750 | 754 | 731 | 723 | 717 | 714 | 712 | 715 | 718 | 729 | 723 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

18000 γ + Tabular Quantities (in γ) — JANUARY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 708 | 724 | 741 | 749 | 729 | 728 | 710 | 731 | 741 | 0 | 40 | 770 | 696 | 22 23 | 74 | 1 | |
| 726 | 738 | 734 | 712 | 733 | 729 | 749 | 753 | 739 | 22 | 50 | 778 | 694 | 19 38 | 84 | 2 | |
| 753 | 740 | 737 | 739 | 740 | 754 | 758 | 753 | 746 | 21 | 59 | 791 | 721 | 10 34 | 70 | 3 | |
| 754 | 754 | 735 | 761 | 736 | 746 | 750 | 766 | 748 | 19 | 28 | 796 | 701 | 19 8 | 95 | 4 | |
| 755 | 754 | 744 | 754 | 743 | 745 | 745 | 740 | 749 | 19 | 15 | 767 | 731 | 18 33 | 36 | 5 | |
| 725 | 732 | 736 | 726 | 744 | 735 | 736 | 741 | 746 | 1 | 4 | 791 | 708 | 16 11 | 83 | 6 | |
| 719 | 736 | 739 | 744 | 744 | 752 | 755 | 755 | 743 | 22 | 20 | 765 | 692 | 16 20 | 73 | 7 | |
| 755 | 755 | 745 | 745 | 753 | 752 | 754 | 747 | 745 | 17 | 42 | 761 | 725 | 10 11 | 36 | 8 | * |
| 743 | 742 | 736 | 736 | 744 | 752 | 752 | 750 | 742 | 4 | 18 | 769 | 707 | 10 50 | 62 | 9 | |
| 696 | 678 | 692 | 723 | 726 | 705 | 718 | 714 | 730 | 6 | 47 | 771 | 655 | 18 6 | 116 | 10 | |
| 694 | 688 | 680 | 715 | 715 | 726 | 731 | 733 | 716 | 2 | 39 | 788 | 648 | 18 29 | 140 | 11 | ** |
| 725 | 708 | 683 | 666 | 703 | 703 | 716 | 723 | 723 | 20 | 4 | 785 | 641 | 19 43 | 144 | 12 | |
| 748 | 748 | 748 | 742 | 742 | 744 | 744 | 740 | 741 | 1 | 12 | 778 | 717 | 0 30 | 61 | 13 | |
| 739 | 738 | 734 | 739 | 744 | 747 | 748 | 747 | 743 | 9 | 29 | 764 | 728 | 19 9 | 36 | 14 | |
| 752 | 751 | 752 | 752 | 754 | 754 | 749 | 746 | 750 | 8 | 13 | 764 | 733 | 12 10 | 31 | 15 | * |
| 754 | 754 | 756 | 751 | 756 | 755 | 755 | 755 | 755 | 1 | 10 | 769 | 740 | 10 9 | 29 | 16 | * |
| 740 | 744 | 747 | 744 | 746 | 744 | 743 | 750 | 746 | 23 | 53 | 774 | 725 | 12 40 | 49 | 17 | |
| 752 | 753 | 732 | 687 | 673 | 675 | 705 | 722 | 743 | 3 | 0 | 803 | 652 | 22 0 | 151 | 18 | ** |
| 714 | 712 | 699 | 713 | 724 | 725 | 731 | 735 | 723 | 0 | 12 | 778 | 671 | 14 44 | 107 | 19 | ** |
| 742 | 740 | 742 | 743 | 745 | 744 | 743 | 744 | 738 | 23 | 38 | 751 | 717 | 11 20 | 34 | 20 | * |
| 736 | 742 | 756 | 755 | 742 | 749 | 754 | 773 | 747 | 23 | 59 | 808 | 730 | 12 14 | 78 | 21 | |
| 749 | 751 | 749 | 752 | 748 | 753 | 751 | 751 | 743 | 0 | 3 | 813 | 686 | 3 31 | 127 | 22 | |
| 755 | 755 | 742 | 731 | 703 | 692 | 719 | 725 | 737 | 5 | 39 | 773 | 678 | 21 30 | 95 | 23 | |
| 705 | 695 | 697 | 713 | 701 | 695 | 685 | 699 | 719 | 5 | 18 | 787 | 664 | 12 10 | 123 | 24 | ** |
| 736 | 742 | 734 | 716 | 717 | 732 | 744 | 743 | 728 | 2 | 4 | 760 | 684 | 0 48 | 76 | 25 | |
| 745 | 746 | 748 | 749 | 748 | 747 | 746 | 752 | 746 | 23 | 43 | 761 | 734 | 12 41 | 27 | 26 | * |
| 760 | 746 | 727 | 654 | 683 | 712 | 723 | 722 | 743 | 16 | 36 | 799 | 612† | 19 23 | 187 | 27 | |
| 734 | 735 | 735 | 724 | 746 | 725 | 723 | 738 | 734 | 5 | 8 | 834† | 692 | 12 17 | 142 | 28 | ** |
| 723 | 733 | 756 | 731 | 749 | 737 | 736 | 744 | 739 | 18 | 22 | 775 | 700 | 14 33 | 75 | 29 | |
| 718 | 749 | 733 | 742 | 742 | 744 | 753 | 744 | 740 | 17 | 30 | 781 | 707 | 17 11 | 74 | 30 | |
| 734 | 745 | 735 | 730 | 733 | 744 | 736 | 738 | 739 | 3 | 53 | 769 | 705 | 11 30 | 64 | 31 | |
| 735 | 736 | 733 | 730 | 732 | 734 | 737 | 741 | 739 | - | | 780 | 697 | - | 83.2 | Mean | |
| 750 | 749 | 749 | 748 | 751 | 750 | 749 | 749 | 747 | - | | 761 | 730 | - | 31.4 | Mean | * |
| 720 | 717 | 709 | 710 | 712 | 709 | 715 | 725 | 727 | - | | 798 | 665 | - | 132.6 | Mean | ** |

18000 γ + Tabular Quantities (in γ) — FEBRUARY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 726 | 726 | 743 | 754 | 747 | 744 | 731 | 734 | 739 | 19 | 37 | 780 | 714 | 15 38 | 66 | 1 | |
| 744 | 737 | 745 | 744 | 739 | 744 | 739 | 735 | 740 | 19 | 11 | 757 | 719 | 17 35 | 38 | 2 | |
| 752 | 755 | 757 | 734 | 750 | 749 | 746 | 761 | 745 | 23 | 11 | 779 | 722 | 19 29 | 57 | 3 | |
| 745 | 748 | 749 | 745 | 747 | 756 | 750 | 746 | 745 | 21 | 24 | 770 | 724 | 12 21 | 46 | 4 | |
| 755 | 756 | 754 | 751 | 765 | 742 | 739 | 739 | 747 | 20 | 39 | 785 | 730 | 10 31 | 55 | 5 | |
| 751 | 751 | 757 | 755 | 757 | 755 | 755 | 754 | 749 | 6 | 29 | 762 | 723 | 11 37 | 39 | 6 | |
| 759 | 759 | 759 | 759 | 759 | 754 | 746 | 755 | 752 | 6 | 56 | 765 | 731 | 11 17 | 34 | 7 | * |
| 756 | 756 | 759 | 759 | 758 | 758 | 760 | 757 | 756 | 7 | 7 | 767 | 740 | 12 13 | 27 | 8 | * |
| 755 | 759 | 761 | 761 | 761 | 762 | 761 | 762 | 758 | 7 | 59 | 771 | 746 | 11 40 | 25 | 9 | * |
| 758 | 764 | 764 | 753 | 757 | 756 | 758 | 758 | 762 | 8 | 22 | 776 | 749 | 19 30 | 27 | 10 | * |
| 744 | 743 | 756 | 749 | 736 | 751 | 734 | 726 | 756 | 2 | 3 | 807 | 719 | 23 11 | 88 | 11 | ** |
| 743 | 748 | 757 | 754 | 756 | 756 | 751 | 745 | 742 | 4 | 1 | 778 | 695 | 11 36 | 83 | 12 | ** |
| 746 | 754 | 749 | 754 | 754 | 746 | 749 | 753 | 746 | 7 | 1 | 770 | 716 | 12 21 | 54 | 13 | |
| 755 | 758 | 758 | 758 | 758 | 757 | 758 | 758 | 754 | 6 | 51 | 767 | 728 | 11 30 | 39 | 14 | * |
| 757 | 757 | 756 | 756 | 748 | 748 | 756 | 766 | 754 | 23 | 18 | 775 | 727 | 11 33 | 48 | 15 | |
| 732 | 728 | 738 | 727 | 732 | 752 | 756 | 754 | 748 | 4 | 26 | 789 | 715 | 17 39 | 74 | 16 | |
| 748 | 757 | 759 | 759 | 760 | 758 | 758 | 757 | 754 | 7 | 5 | 777 | 724 | 11 32 | 53 | 17 | |
| 744 | 745 | 755 | 756 | 755 | 758 | 759 | 758 | 753 | 7 | 13 | 780 | 724 | 11 56 | 56 | 18 | |
| 752 | 752 | 757 | 748 | 755 | 754 | 750 | 753 | 753 | 2 | 24 | 807 | 701 | 11 27 | 106 | 19 | |
| 747 | 752 | 755 | 757 | 757 | 758 | 760 | 762 | 749 | 6 | 53 | 767 | 714 | 13 39 | 53 | 20 | |
| 744 | 755 | 758 | 760 | 773 | 769 | 771 | 769 | 754 | 20 | 6 | 798 | 727 | 11 23 | 71 | 21 | |
| 754 | 756 | 754 | 756 | 757 | 757 | 763 | 763 | 760 | 0 | 20 | 817† | 728 | 15 6 | 89 | 22 | |
| 733 | 738 | 747 | 747 | 752 | 756 | 756 | 757 | 751 | 15 | 19 | 767 | 723 | 16 37 | 44 | 23 | |
| 758 | 756 | 760 | 761 | 766 | 775 | 767 | 763 | 755 | 21 | 23 | 784 | 727 | 10 40 | 57 | 24 | |
| 655 | 639 | 669 | 665 | 674 | 695 | 697 | 694 | 695 | 3 | 10 | 796 | 561† | 8 34 | 235 | 25 | ** |
| 721 | 726 | 741 | 741 | 719 | 721 | 717 | 721 | 711 | 9 | 37 | 752 | 684 | 10 40 | 68 | 26 | |
| 733 | 736 | 739 | 712 | 719 | 726 | 729 | 745 | 724 | 23 | 9 | 766 | 696 | 19 41 | 70 | 27 | |
| 724 | 729 | 719 | 740 | 726 | 737 | 746 | 758 | 732 | 23 | 17 | 776 | 700 | 18 34 | 76 | 28 | ** |
| 705 | 733 | 745 | 748 | 723 | 729 | 735 | 763 | 730 | 23 | 9 | 800 | 672 | 15 46 | 128 | 29 | ** |
| 741 | 744 | 749 | 747 | 747 | 749 | 748 | 751 | 745 | - | | 779 | 713 | - | 65.7 | Mean | |
| 757 | 759 | 760 | 758 | 759 | 757 | 757 | 758 | 756 | - | | 769 | 739 | - | 30.4 | Mean | * |
| 714 | 718 | 729 | 731 | 723 | 734 | 733 | 737 | 731 | - | | 791 | 669 | - | 122.0 | Mean | ** |

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

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

| U.T. | $0^h$ | $1^h$ | $2^h$ | $3^h$ | $4^h$ | $5^h$ | $6^h$ | $7^h$ | $8^h$ | $9^h$ | $10^h$ | $11^h$ | $12^h$ | $13^h$ | $14^h$ | $15^h$ | $16^h$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MARCH** | 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 737 | 738 | 740 | 738 | 743 | 752 | 758 | 753 | 732 | 724 | 701 | 710 | 711 | 724 | 731 | 734 | |
| 2 | 738 | 741 | 734 | 732 | 743 | 745 | 759 | 754 | 730 | 733 | 732 | 707 | 716 | 725 | 732 | 735 | |
| 3 ** | 753 | 727 | 733 | 743 | 739 | 728 | 756 | 774 | 778 | 723 | 654 | 652 | 646 | 666 | 666 | 652 | |
| 4 | 682 | 697 | 696 | 698 | 687 | 705 | 705 | 709 | 706 | 694 | 694 | 685 | 695 | 705 | 703 | 718 | |
| 5 | 734 | 732 | 732 | 735 | 735 | 742 | 732 | 733 | 733 | 727 | 724 | 725 | 725 | 726 | 733 | 734 | |
| 6 | 732 | 743 | 729 | 727 | 734 | 734 | 726 | 727 | 726 | 722 | 714 | 716 | 725 | 733 | 735 | 736 | |
| 7 * | 745 | 744 | 743 | 743 | 743 | 744 | 746 | 744 | 737 | 729 | 717 | 713 | 726 | 734 | 733 | 744 | |
| 8 * | 748 | 745 | 745 | 744 | 745 | 749 | 751 | 745 | 734 | 724 | 715 | 716 | 722 | 727 | 733 | 738 | |
| 9 * | 754 | 754 | 754 | 754 | 754 | 755 | 756 | 756 | 754 | 746 | 739 | 736 | 741 | 744 | 746 | 753 | |
| 10 | 768 | 768 | 766 | 767 | 767 | 773 | 766 | 776 | 774 | 769 | 751 | 751 | 748 | 751 | 746 | 748 | |
| 11 | 680 | 689 | 729 | 713 | 706 | 716 | 718 | 714 | 711 | 704 | 700 | 702 | 710 | 720 | 728 | 743 | |
| 12 | 734 | 740 | 744 | 744 | 748 | 751 | 757 | 750 | 739 | 724 | 713 | 711 | 725 | 729 | 738 | 744 | |
| 13 | 749 | 748 | 750 | 754 | 744 | 751 | 756 | 741 | 732 | 731 | 719 | 718 | 720 | 720 | 723 | 728 | |
| 14 | 751 | 744 | 746 | 748 | 746 | 748 | 755 | 754 | 749 | 727 | 718 | 730 | 728 | 725 | 718 | 719 | |
| 15 | 754 | 755 | 758 | 756 | 754 | 756 | 758 | 749 | 740 | 736 | 733 | 731 | 727 | 738 | 743 | 746 | |
| 16 | 758 | 755 | 756 | 755 | 758 | 759 | 762 | 758 | 748 | 738 | 734 | 734 | 735 | 734 | 740 | 749 | |
| 17 * | 757 | 755 | 754 | 756 | 758 | 761 | 761 | 758 | 744 | 734 | 724 | 722 | 728 | 741 | 746 | 754 | |
| 18 * | 760 | 759 | 760 | 763 | 765 | 766 | 772 | 769 | 755 | 743 | 737 | 729 | 731 | 741 | 753 | 745 | |
| 19 | 758 | 768 | 773 | 776 | 775 | 777 | 783 | 780 | 767 | 757 | 750 | 743 | 738 | 744 | 745 | 746 | |
| 20 | 726 | 733 | 734 | 746 | 746 | 747 | 754 | 755 | 754 | 748 | 742 | 735 | 734 | 735 | 745 | 754 | |
| 21 ** | 757 | 749 | 745 | 747 | 758 | 765 | 754 | 734 | 728 | 743 | 736 | 748 | 733 | 742 | 733 | 735 | |
| 22 ** | 702 | 699 | 745 | 740 | 704 | 720 | 732 | 705 | 688 | 684 | 684 | 688 | 694 | 702 | 718 | 718 | |
| 23 | 699 | 706 | 725 | 715 | 720 | 739 | 709 | 704 | 693 | 686 | 684 | 690 | 705 | 709 | 718 | 722 | |
| 24 ** | 741 | 739 | 742 | 744 | 744 | 748 | 744 | 740 | 723 | 713 | 689 | 691 | 700 | 725 | 728 | 760 | |
| 25 | 744 | 745 | 716 | 727 | 730 | 728 | 731 | 723 | 719 | 715 | 701 | 714 | 725 | 731 | 731 | 744 | |
| 26 | 738 | 742 | 743 | 748 | 747 | 748 | 752 | 746 | 734 | 703 | 693 | 704 | 729 | 721 | 722 | 735 | |
| 27 | 746 | 747 | 751 | 743 | 740 | 745 | 752 | 748 | 735 | 724 | 713 | 717 | 728 | 731 | 735 | 741 | |
| 28 | 716 | 724 | 753 | 738 | 743 | 745 | 743 | 741 | 735 | 715 | 706 | 714 | 717 | 718 | 734 | 743 | |
| 29 ** | 682 | 694 | 721 | 717 | 729 | 733 | 728 | 715 | 719 | 718 | 713 | 705 | 703 | 701 | 704 | 716 | |
| 30 | 743 | 743 | 743 | 746 | 750 | 744 | 752 | 752 | 741 | 724 | 714 | 712 | 719 | 731 | 743 | 741 | |
| 31 | 720 | 745 | 733 | 731 | 734 | 734 | 735 | 728 | 728 | 723 | 717 | 725 | 723 | 727 | 729 | 724 | |
| Mean | 736 | 738 | 742 | 742 | 742 | 745 | 747 | 743 | 735 | 725 | 715 | 715 | 720 | 726 | 730 | 735 | |
| Mean * | 753 | 751 | 751 | 752 | 753 | 755 | 757 | 754 | 745 | 735 | 726 | 723 | 730 | 737 | 742 | 747 | |
| Mean ** | 727 | 722 | 737 | 738 | 735 | 739 | 743 | 734 | 727 | 716 | 695 | 697 | 695 | 707 | 710 | 716 | |
| **APRIL** | 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 750 | 746 | 741 | 742 | 760 | 733 | 739 | 731 | 733 | 729 | 723 | 723 | 724 | 729 | 731 | 737 | |
| 2 | 746 | 743 | 747 | 746 | 746 | 748 | 749 | 747 | 744 | 738 | 727 | 731 | 743 | 748 | 734 | 739 | |
| 3 | 737 | 729 | 737 | 733 | 760 | 740 | 740 | 737 | 737 | 732 | 731 | 733 | 747 | 743 | 747 | 749 | |
| 4 | 758 | 755 | 747 | 762 | 757 | 760 | 753 | 754 | 753 | 735 | 745 | 749 | 749 | 747 | 755 | 755 | |
| 5 | 758 | 764 | 765 | 757 | 756 | 760 | 757 | 751 | 747 | 743 | 740 | 736 | 739 | 743 | 734 | 747 | |
| 6 | 761 | 760 | 759 | 756 | 758 | 763 | 765 | 759 | 748 | 738 | 736 | 736 | 727 | 723 | 736 | 733 | |
| 7 | 779 | 750 | 747 | 745 | 754 | 756 | 757 | 754 | 742 | 734 | 734 | 733 | 732 | 740 | 742 | 734 | |
| 8 | 760 | 759 | 756 | 756 | 758 | 755 | 755 | 754 | 736 | 734 | 715 | 723 | 738 | 733 | 735 | 746 | |
| 9 | 762 | 762 | 759 | 759 | 754 | 760 | 754 | 753 | 753 | 734 | 728 | 734 | 740 | 746 | 743 | 751 | |
| 10 | 757 | 757 | 758 | 758 | 758 | 763 | 762 | 754 | 744 | 728 | 707 | 703 | 710 | 724 | 746 | 744 | |
| 11 | 768 | 770 | 771 | 769 | 771 | 764 | 762 | 754 | 741 | 726 | 724 | 724 | 736 | 750 | 768 | 765 | |
| 12 | 782 | 784 | 761 | 760 | 764 | 768 | 765 | 756 | 743 | 726 | 725 | 722 | 733 | 730 | 755 | 769 | |
| 13 * | 766 | 765 | 766 | 773 | 774 | 775 | 772 | 757 | 737 | 725 | 708 | 707 | 725 | 735 | 750 | 761 | |
| 14 * | 767 | 768 | 769 | 769 | 772 | 773 | 769 | 754 | 743 | 727 | 722 | 722 | 735 | 744 | 763 | 772 | |
| 15 * | 773 | 773 | 770 | 773 | 775 | 776 | 774 | 765 | 748 | 732 | 720 | 723 | 736 | 751 | 757 | 771 | |
| 16 | 773 | 768 | 772 | 776 | 781 | 786 | 777 | 765 | 746 | 726 | 714 | 710 | 717 | 734 | 748 | 780 | |
| 17 | 729 | 739 | 733 | 740 | 738 | 735 | 738 | 741 | 733 | 711 | 698 | 699 | 703 | 724 | 729 | 748 | |
| 18 | 744 | 746 | 744 | 744 | 758 | 757 | 743 | 729 | 738 | 725 | 709 | 704 | 697 | 711 | 726 | 730 | |
| 19 | 750 | 742 | 743 | 740 | 752 | 755 | 753 | 738 | 725 | 720 | 716 | 717 | 723 | 736 | 735 | 741 | |
| 20 | 754 | 747 | 750 | 754 | 748 | 747 | 747 | 739 | 730 | 723 | 716 | 719 | 732 | 744 | 751 | 759 | |
| 21 ** | 742 | 753 | 755 | 758 | 760 | 753 | 753 | 748 | 730 | 738 | 737 | 758 | 735 | 773 | 741 | 751 | |
| 22 ** | 690 | 690 | 727 | 728 | 702 | 682 | 652 | 627 | 639 | 594 | 584 | 639 | 680 | 675 | 676 | 676 | |
| 23 | 716 | 715 | 726 | 718 | 716 | 714 | 711 | 703 | 695 | 689 | 689 | 701 | 706 | 716 | 723 | 729 | |
| 24 * | 745 | 746 | 739 | 734 | 742 | 745 | 741 | 733 | 719 | 707 | 706 | 716 | 729 | 745 | 755 | 754 | |
| 25 * | 755 | 756 | 753 | 749 | 751 | 748 | 743 | 733 | 722 | 713 | 709 | 723 | 737 | 750 | 761 | 765 | |
| 26 | 763 | 762 | 759 | 753 | 768 | 770 | 755 | 743 | 736 | 730 | 724 | 717 | 720 | 740 | 752 | 758 | |
| 27 ** | 697 | 728 | 604 | 553 | 647 | 640 | 587 | 579 | 573 | 578 | 595 | 615 | 656 | 712 | 702 | 730 | |
| 28 ** | 663 | 683 | 720 | 673 | 678 | 691 | 705 | 697 | 700 | 691 | 690 | 682 | 688 | 693 | 706 | 718 | |
| 29 | 743 | 751 | 758 | 744 | 756 | 725 | 687 | 658 | 675 | 682 | 689 | 694 | 711 | 710 | 706 | 721 | |
| 30 ** | 748 | 745 | 779 | 772 | 735 | 761 | 767 | 764 | 743 | 728 | 715 | 716 | 728 | 735 | 758 | 736 | |
| Mean | 748 | 749 | 747 | 743 | 748 | 747 | 741 | 733 | 725 | 715 | 709 | 714 | 723 | 733 | 739 | 746 | |
| Mean * | 761 | 762 | 759 | 760 | 763 | 763 | 760 | 748 | 734 | 721 | 713 | 718 | 732 | 745 | 757 | 765 | |
| Mean ** | 708 | 720 | 717 | 697 | 704 | 705 | 693 | 683 | 677 | 666 | 664 | 682 | 697 | 718 | 717 | 722 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

18000 γ + Tabular Quantities (in γ) — MARCH

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 742 | 743 | 732 | 740 | 744 | 760 | 734 | 724 | | 735 | 21 12 | 787 | 683 | 10 36 | 104 | 1 | |
| 739 | 738 | 742 | 735 | 747 | 744 | 735 | 743 | | 737 | 6 35 | 769 | 682† | 11 46 | 87 | 2 | |
| 675 | 686 | 681 | 670 | 658 | 659 | 688 | 664 | | 699 | 7 41 | 816† | 594† | 18 33 | 222 | 3 | ** |
| 711 | 719 | 725 | 731 | 736 | 733 | 734 | 735 | | 708 | 20 2 | 743 | 669 | 0 8 | 74 | 4 | |
| 737 | 725 | 726 | 714 | 715 | 726 | 732 | 728 | | 729 | 15 58 | 748 | 701 | 19 50 | 47 | 5 | |
| 734 | 741 | 736 | 725 | 743 | 745 | 745 | 748 | | 732 | 13 46 | 752 | 709 | 10 49 | 43 | 6 | |
| 743 | 741 | 740 | 743 | 747 | 754 | 750 | 749 | | 740 | 21 50 | 760 | 708 | 11 22 | 52 | 7 | * |
| 745 | 753 | 755 | 756 | 755 | 754 | 755 | 754 | | 742 | 18 41 | 761 | 713 | 10 31 | 48 | 8 | * |
| 753 | 753 | 755 | 757 | 759 | 765 | 769 | 768 | | 753 | 21 33 | 774 | 734 | 11 39 | 40 | 9 | * |
| 745 | 747 | 744 | 747 | 718 | 706 | 700 | 711 | | 750 | 7 39 | 783 | 666 | 23 45 | 117 | 10 | |
| 745 | 752 | 753 | 753 | 751 | 751 | 755 | 731 | | 724 | 22 42 | 783 | 669 | 0 41 | 114 | 11 | |
| 748 | 746 | 754 | 748 | 743 | 737 | 745 | 749 | | 740 | 16 3 | 761 | 708 | 11 40 | 53 | 12 | |
| 734 | 741 | 748 | 750 | 750 | 748 | 752 | 765 | | 741 | 23 3 | 795 | 713 | 11 10 | 82 | 13 | |
| 730 | 734 | 747 | 750 | 749 | 747 | 747 | 751 | | 740 | 0 3 | 765 | 712 | 14 30 | 53 | 14 | |
| 744 | 748 | 758 | 759 | 758 | 757 | 754 | 754 | | 749 | 6 23 | 764 | 722 | 12 32 | 42 | 15 | |
| 752 | 754 | 760 | 760 | 764 | 750 | 753 | 757 | | 751 | 20 51 | 766 | 730 | 12 19 | 36 | 16 | |
| 755 | 756 | 757 | 759 | 763 | 764 | 763 | 760 | | 751 | 22 3 | 769 | 718 | 11 35 | 51 | 17 | * |
| 745 | 746 | 757 | 764 | 765 | 767 | 763 | 763 | | 755 | 6 54 | 774 | 725 | 12 13 | 49 | 18 | * |
| 753 | 752 | 762 | 770 | 776 | 760 | 750 | 739 | | 760 | 7 8 | 787 | 728 | 24 0 | 59 | 19 | |
| 762 | 766 | 775 | 776 | 779 | 776 | 774 | 766 | | 753 | 20 2 | 786 | 722 | 0 45 | 64 | 20 | |
| 751 | 735 | 727 | 725 | 735 | 744 | 761 | 744 | | 743 | 22 21 | 792 | 713 | 18 31 | 79 | 21 | ** |
| 730 | 749 | 743 | 734 | 731 | 723 | 724 | 679 | | 714 | 3 5 | 786 | 666 | 23 50 | 120 | 22 | ** |
| 724 | 728 | 739 | 743 | 746 | 744 | 743 | 742 | | 718 | 4 55 | 757 | 667 | 0 32 | 90 | 23 | |
| 728 | 714 | 728 | 729 | 735 | 752 | 724 | 720 | | 729 | 15 44 | 788 | 674 | 11 17 | 114 | 24 | ** |
| 745 | 747 | 752 | 735 | 749 | 750 | 755 | 736 | | 733 | 18 20 | 768 | 690 | 10 48 | 78 | 25 | |
| 728 | 745 | 742 | 741 | 744 | 764 | 758 | 745 | | 736 | 21 0 | 785 | 684 | 10 21 | 101 | 26 | |
| 732 | 743 | 744 | 743 | 734 | 724 | 717 | 717 | | 735 | 2 13 | 756 | 707 | 10 48 | 49 | 27 | |
| 742 | 741 | 761 | 750 | 736 | 710 | 724 | 712 | | 732 | 18 56 | 782 | 694 | 21 41 | 88 | 28 | |
| 733 | 734 | 754 | 743 | 751 | 740 | 743 | 742 | | 722 | 18 12 | 782 | 651 | 1 3 | 131 | 29 | ** |
| 743 | 752 | 745 | 740 | 738 | 752 | 722 | 713 | | 738 | 21 20 | 772 | 707 | 11 38 | 65 | 30 | |
| 730 | 739 | 750 | 759 | 751 | 743 | 745 | 747 | | 734 | 1 10 | 776 | 715 | 10 39 | 61 | 31 | |
| 738 | 741 | 745 | 744 | 744 | 744 | 742 | 737 | | 736 | - | 774 | 696 | - | 77.8 | Mean | |
| 748 | 750 | 753 | 756 | 758 | 761 | 760 | 759 | | 748 | - | 768 | 720 | - | 48.0 | Mean | * |
| 723 | 724 | 727 | 720 | 722 | 724 | 728 | 710 | | 721 | - | 793 | 660 | - | 133.2 | Mean | ** |

18000 γ + Tabular Quantities (in γ) — APRIL

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 745 | 753 | 750 | 752 | 755 | 759 | 748 | 742 | | 741 | 4 37 | 773 | 720 | 11 38 | 53 | 1 | |
| 738 | 727 | 739 | 743 | 754 | 745 | 733 | 735 | | 741 | 20 41 | 787 | 710 | 14 52 | 77 | 2 | |
| 752 | 745 | 748 | 757 | 763 | 756 | 754 | 757 | | 744 | 4 24 | 775 | 720 | 3 49 | 55 | 3 | |
| 757 | 756 | 756 | 758 | 763 | 760 | 757 | 757 | | 754 | 3 48 | 775 | 725 | 9 41 | 50 | 4 | |
| 753 | 758 | 750 | 752 | 763 | 773 | 763 | 760 | | 753 | 21 10 | 788 | 724 | 14 20 | 64 | 5 | |
| 746 | 758 | 760 | 761 | 759 | 760 | 767 | 764 | | 751 | 23 59 | 787 | 705 | 13 43 | 82 | 6 | |
| 737 | 751 | 760 | 762 | 762 | 764 | 765 | 763 | | 750 | 0 51 | 798 | 717 | 12 32 | 81 | 7 | |
| 749 | 758 | 764 | 759 | 764 | 763 | 764 | 764 | | 750 | 18 35 | 769 | 712 | 10 42 | 57 | 8 | |
| 758 | 760 | 764 | 754 | 758 | 769 | 767 | 760 | | 753 | 21 8 | 777 | 725 | 9 51 | 52 | 9 | |
| 742 | 753 | 761 | 760 | 757 | 756 | 763 | 770 | | 747 | 23 50 | 787 | 696 | 10 50 | 91 | 10 | |
| 769 | 789 | 774 | 741 | 766 | 762 | 764 | 764 | | 758 | 17 19 | 800 | 717 | 11 30 | 83 | 11 | |
| 764 | 760 | 766 | 773 | 772 | 774 | 772 | 767 | | 758 | 0 17 | 795 | 712 | 11 19 | 83 | 12 | |
| 764 | 768 | 770 | 773 | 774 | 772 | 770 | 769 | | 757 | 5 19 | 779 | 699 | 10 44 | 80 | 13 | * |
| 775 | 765 | 766 | 775 | 774 | 774 | 772 | 772 | | 760 | 16 22 | 783 | 709 | 10 57 | 74 | 14 | * |
| 777 | 774 | 781 | 766 | 773 | 774 | 775 | 781 | | 763 | 16 31 | 792 | 716 | 10 47 | 76 | 15 | * |
| 798 | 763 | 751 | 744 | 745 | 737 | 731 | 723 | | 753 | 16 22 | 808 | 704 | 11 29 | 104 | 16 | |
| 742 | 755 | 760 | 748 | 754 | 760 | 743 | 743 | | 735 | 21 35 | 772 | 690 | 11 18 | 82 | 17 | |
| 742 | 759 | 761 | 767 | 762 | 761 | 765 | 752 | | 741 | 21 48 | 773 | 689 | 12 19 | 84 | 18 | |
| 758 | 767 | 763 | 756 | 756 | 754 | 752 | 754 | | 744 | 16 46 | 777 | 711 | 11 20 | 66 | 19 | |
| 766 | 768 | 770 | 772 | 761 | 749 | 743 | 733 | | 747 | 19 40 | 781 | 712 | 10 40 | 69 | 20 | |
| 767 | 803 | 790 | 759 | 698 | 683 | 671 | 707 | | 744 | 17 46 | 827 | 629 | 22 28 | 198 | 21 | ** |
| 701 | 713 | 740 | 744 | 737 | 731 | 731 | 715 | | 686 | 4 2 | 764 | 563 | 10 15 | 201 | 22 | ** |
| 734 | 741 | 751 | 752 | 750 | 748 | 753 | 752 | | 723 | 18 46 | 759 | 678 | 10 15 | 81 | 23 | |
| 760 | 755 | 754 | 756 | 755 | 754 | 759 | 756 | | 742 | 22 42 | 768 | 702 | 10 7 | 66 | 24 | * |
| 769 | 760 | 755 | 766 | 765 | 760 | 755 | 760 | | 748 | 16 51 | 778 | 706 | 10 38 | 72 | 25 | * |
| 765 | 769 | 762 | 748 | 761 | 811 | 768 | 715 | | 752 | 21 13 | 876† | 692† | 24 0 | 184 | 26 | |
| 745 | 759 | 755 | 736 | 714 | 689 | 698 | 677 | | 665 | 18 41 | 807 | 334† | 3 0 | 473 | 27 | ** |
| 720 | 735 | 748 | 763 | 768 | 770 | 765 | 783 | | 714 | 18 59 | 832 | 620 | 0 49 | 212 | 28 | ** |
| 721 | 727 | 740 | 743 | 738 | 738 | 738 | 740 | | 721 | 0 2 | 810 | 637 | 7 2 | 173 | 29 | |
| 746 | 756 | 751 | 748 | 743 | 746 | 760 | 743 | | 747 | 2 46 | 870 | 695 | 11 45 | 175 | 30 | ** |
| 752 | 757 | 759 | 756 | 755 | 755 | 752 | 749 | | 741 | - | 792 | 682 | - | 109.9 | Mean | |
| 769 | 764 | 765 | 767 | 768 | 767 | 766 | 768 | | 754 | - | 780 | 706 | - | 73.6 | Mean | * |
| 736 | 753 | 757 | 750 | 732 | 724 | 725 | 725 | | 711 | - | 820 | 568 | - | 251.8 | Mean | ** |

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

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

| U.T. | 0h | 1h | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 11h | 12h | 13h | 14h | 15h | 16h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 743 | 741 | 740 | 737 | 735 | 733 | 738 | 720 | 713 | 695 | 693 | 686 | 703 | 709 | 714 | 728 | |
| 2 * | 753 | 750 | 746 | 745 | 749 | 751 | 748 | 744 | 739 | 727 | 721 | 718 | 720 | 731 | 742 | 751 | |
| 3 | 760 | 758 | 759 | 753 | 756 | 761 | 757 | 752 | 745 | 741 | 735 | 741 | 739 | 738 | 748 | 765 | |
| 4 | 769 | 769 | 769 | 768 | 769 | 771 | 763 | 756 | 751 | 739 | 733 | 742 | 761 | 745 | 739 | 731 | |
| 5 | 764 | 765 | 757 | 761 | 759 | 760 | 761 | 763 | 754 | 746 | 740 | 733 | 744 | 748 | 750 | 755 | |
| 6 | 756 | 756 | 754 | 755 | 760 | 757 | 755 | 752 | 746 | 733 | 736 | 744 | 745 | 757 | 751 | 758 | |
| 7 | 775 | 761 | 761 | 757 | 761 | 765 | 763 | 761 | 760 | 755 | 753 | 748 | 744 | 755 | 756 | 759 | |
| 8 * | 764 | 763 | 763 | 763 | 763 | 760 | 756 | 746 | 741 | 737 | 736 | 744 | 751 | 753 | 757 | 764 | |
| 9 * | 770 | 766 | 769 | 770 | 770 | 772 | 766 | 759 | 755 | 753 | 751 | 751 | 754 | 758 | 762 | 764 | |
| 10 * | 771 | 769 | 766 | 765 | 769 | 767 | 763 | 754 | 743 | 736 | 737 | 743 | 747 | 754 | 759 | 768 | |
| 11 * | 772 | 773 | 769 | 766 | 764 | 760 | 754 | 746 | 739 | 739 | 744 | 751 | 751 | 756 | 757 | 765 | |
| 12 | 780 | 781 | 779 | 783 | 796 | 802 | 792 | 774 | 760 | 752 | 764 | 763 | 767 | 775 | 746 | 756 | |
| 13 | 762 | 761 | 753 | 771 | 776 | 771 | 748 | 707 | 676 | 680 | 670 | 696 | 706 | 703 | 711 | 720 | |
| 14 | 742 | 737 | 736 | 736 | 738 | 736 | 732 | 721 | 704 | 699 | 709 | 716 | 729 | 731 | 735 | 761 | |
| 15 ** | 759 | 751 | 773 | 759 | 750 | 741 | 733 | 696 | 693 | 674 | 683 | 680 | 685 | 710 | 727 | 778 | |
| 16 ** | 746 | 754 | 757 | 741 | 741 | 692 | 624 | 630 | 623 | 640 | 657 | 684 | 716 | 668 | 761 | 748 | |
| 17 ** | 675 | 737 | 725 | 688 | 703 | 691 | 698 | 656 | 621 | 628 | 634 | 641 | 657 | 685 | 674 | 692 | |
| 18 | 736 | 738 | 734 | 741 | 750 | 741 | 741 | 731 | 710 | 711 | 702 | 708 | 711 | 710 | 716 | 728 | |
| 19 | 745 | 745 | 746 | 743 | 743 | 741 | 741 | 745 | 737 | 717 | 715 | 726 | 740 | 735 | 741 | 737 | |
| 20 | 745 | 751 | 757 | 753 | 749 | 746 | 745 | 750 | 742 | 739 | 720 | 719 | 682 | 717 | 736 | 726 | |
| 21 | 753 | 740 | 748 | 734 | 718 | 734 | 731 | 715 | 708 | 708 | 720 | 722 | 726 | 733 | 738 | 742 | |
| 22 | 768 | 766 | 758 | 755 | 759 | 754 | 738 | 731 | 732 | 721 | 717 | 724 | 736 | 726 | 742 | 751 | |
| 23 | 751 | 753 | 754 | 755 | 754 | 754 | 749 | 738 | 730 | 731 | 738 | 736 | 741 | 741 | 757 | 762 | |
| 24 ** | 725 | 722 | 694 | 735 | 742 | 716 | 731 | 725 | 708 | 713 | 686 | 653 | 679 | 717 | 755 | 759 | |
| 25 ** | 676 | 723 | 705 | 738 | 753 | 688 | 635 | 640 | 622 | 622 | 636 | 653 | 660 | 667 | 683 | 687 | |
| 26 | 740 | 744 | 742 | 744 | 747 | 740 | 722 | 711 | 697 | 685 | 680 | 686 | 700 | 716 | 736 | 753 | |
| 27 | 742 | 741 | 750 | 746 | 742 | 739 | 732 | 721 | 707 | 699 | 696 | 706 | 712 | 722 | 734 | 743 | |
| 28 | 762 | 758 | 757 | 765 | 773 | 770 | 758 | 743 | 717 | 700 | 701 | 711 | 727 | 744 | 752 | 751 | |
| 29 | 759 | 763 | 764 | 763 | 764 | 764 | 757 | 743 | 737 | 735 | 735 | 735 | 734 | 748 | 754 | 754 | |
| 30 | 738 | 756 | 758 | 767 | 767 | 769 | 763 | 748 | 727 | 716 | 708 | 703 | 714 | 720 | 727 | 721 | |
| 31 | 757 | 757 | 754 | 755 | 754 | 755 | 759 | 758 | 750 | 736 | 731 | 726 | 726 | 733 | 742 | 755 | |
| Mean | 750 | 753 | 752 | 752 | 754 | 748 | 740 | 730 | 719 | 713 | 712 | 716 | 723 | 739 | 739 | 746 | |
| Mean * | 766 | 764 | 763 | 762 | 763 | 762 | 757 | 750 | 743 | 738 | 738 | 741 | 745 | 750 | 755 | 762 | |
| Mean ** | 716 | 737 | 731 | 732 | 738 | 706 | 684 | 669 | 653 | 655 | 659 | 662 | 679 | 689 | 720 | 733 | |
| JUNE | 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 ** | 771 | 764 | 763 | 773 | 765 | 748 | 727 | 727 | 723 | 715 | 725 | 744 | 726 | 720 | 739 | 764 | |
| 2 | 771 | 765 | 758 | 761 | 757 | 755 | 751 | 749 | 749 | 743 | 742 | 744 | 734 | 736 | 744 | 753 | |
| 3 * | 774 | 777 | 776 | 766 | 768 | 768 | 761 | 749 | 744 | 738 | 735 | 741 | 753 | 754 | 759 | 769 | |
| 4 | 768 | 767 | 762 | 759 | 768 | 768 | 762 | 753 | 745 | 737 | 739 | 751 | 737 | 757 | 765 | 775 | |
| 5 | 772 | 772 | 771 | 770 | 767 | 768 | 760 | 745 | 747 | 756 | 757 | 765 | 758 | 752 | 763 | 774 | |
| 6 | 772 | 774 | 771 | 771 | 777 | 777 | 774 | 766 | 757 | 751 | 758 | 763 | 768 | 799 | 765 | 787 | |
| 7 * | 780 | 774 | 769 | 768 | 765 | 769 | 765 | 754 | 749 | 746 | 751 | 750 | 749 | 757 | 771 | 777 | |
| 8 | 775 | 785 | 769 | 766 | 773 | 765 | 760 | 749 | 726 | 726 | 719 | 746 | 763 | 762 | 776 | 774 | |
| 9 | 758 | 757 | 760 | 771 | 774 | 765 | 725 | 717 | 744 | 740 | 739 | 747 | 757 | 763 | 769 | 768 | |
| 10 | 776 | 777 | 780 | 787 | 781 | 773 | 758 | 746 | 736 | 729 | 728 | 736 | 743 | 752 | 764 | 776 | |
| 11 | 761 | 783 | 780 | 765 | 746 | 748 | 728 | 724 | 711 | 719 | 737 | 735 | 745 | 717 | 752 | 790 | |
| 12 | 765 | 768 | 774 | 764 | 758 | 756 | 755 | 745 | 729 | 733 | 727 | 737 | 733 | 733 | 745 | 757 | |
| 13 | 767 | 752 | 755 | 761 | 762 | 761 | 760 | 751 | 745 | 738 | 735 | 741 | 740 | 739 | 747 | 768 | |
| 14 | 756 | 766 | 770 | 768 | 768 | 765 | 747 | 737 | 739 | 726 | 716 | 737 | 748 | 764 | 757 | 752 | |
| 15 ** | 778 | 753 | 764 | 774 | 749 | 757 | 739 | 723 | 721 | 717 | 721 | 706 | 717 | 737 | 749 | 771 | |
| 16 | 755 | 754 | 754 | 756 | 753 | 759 | 758 | 753 | 749 | 743 | 733 | 725 | 721 | 736 | 755 | 767 | |
| 17 | 761 | 760 | 762 | 763 | 765 | 766 | 760 | 750 | 743 | 733 | 737 | 745 | 758 | 771 | 766 | 766 | |
| 18 * | 764 | 771 | 759 | 758 | 759 | 757 | 749 | 743 | 739 | 742 | 745 | 757 | 763 | 764 | 764 | 766 | |
| 19 * | 760 | 759 | 761 | 763 | 767 | 766 | 758 | 748 | 745 | 754 | 757 | 764 | 767 | 763 | 765 | 780 | |
| 20 * | 767 | 767 | 765 | 767 | 771 | 767 | 757 | 755 | 749 | 751 | 752 | 760 | 774 | 767 | 775 | 774 | |
| 21 | 764 | 770 | 766 | 762 | 763 | 754 | 744 | 728 | 720 | 724 | 726 | 735 | 749 | 761 | 758 | 774 | |
| 22 | 768 | 776 | 778 | 767 | 758 | 760 | 747 | 740 | 727 | 722 | 725 | 739 | 747 | 754 | 772 | 768 | |
| 23 | 770 | 762 | 758 | 764 | 765 | 760 | 747 | 733 | 721 | 720 | 727 | 737 | 757 | 763 | 768 | 773 | |
| 24 ** | 761 | 773 | 778 | 757 | 747 | 735 | 730 | 723 | 712 | 700 | 704 | 708 | 732 | 754 | 774 | 796 | |
| 25 ** | 748 | 739 | 756 | 745 | 699 | 721 | 717 | 710 | 710 | 701 | 687 | 677 | 687 | 703 | 723 | 747 | |
| 26 | 753 | 753 | 754 | 757 | 758 | 762 | 747 | 730 | 734 | 726 | 726 | 712 | 707 | 722 | 734 | 739 | |
| 27 | 760 | 758 | 762 | 761 | 776 | 773 | 755 | 739 | 727 | 711 | 718 | 723 | 723 | 727 | 746 | 750 | |
| 28 | 763 | 759 | 763 | 767 | 767 | 763 | 765 | 742 | 733 | 751 | 754 | 754 | 733 | 746 | 758 | 766 | |
| 29 | 777 | 783 | 775 | 772 | 777 | 773 | 772 | 760 | 739 | 738 | 729 | 736 | 746 | 756 | 752 | 753 | |
| 30 ** | 765 | 767 | 766 | 766 | 765 | 762 | 768 | 757 | 743 | 725 | 715 | 704 | 690 | 724 | 731 | 771 | |
| Mean | 766 | 766 | 766 | 765 | 762 | 761 | 752 | 742 | 735 | 732 | 732 | 737 | 741 | 748 | 757 | 768 | |
| Mean * | 769 | 770 | 766 | 764 | 766 | 765 | 758 | 750 | 745 | 746 | 748 | 754 | 761 | 761 | 767 | 773 | |
| Mean ** | 765 | 759 | 765 | 763 | 745 | 745 | 736 | 728 | 722 | 712 | 710 | 708 | 710 | 728 | 743 | 770 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum | | Minimum | | Range | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | MAY |
| | | | | | | | | | | h | m | | h | m | γ | |
| 744 | 756 | 767 | 764 | 761 | 756 | 754 | 753 | | 733 | 17 | 56 | 776 | 668 | 11 | 56 | 108 | 1 |
| 759 | 766 | 767 | 762 | 761 | 765 | 761 | 757 | | 747 | 17 | 42 | 771 | 715 | 12 | 43 | 56 | 2 * |
| 773 | 769 | 774 | 782 | 783 | 780 | 775 | 775 | | 759 | 20 | 52 | 794 | 724 | 10 | 34 | 70 | 3 |
| 741 | 762 | 768 | 762 | 770 | 767 | 768 | 774 | | 758 | 23 | 0 | 781 | 724 | 14 | 58 | 57 | 4 |
| 764 | 772 | 766 | 764 | 764 | 773 | 761 | 756 | | 758 | 17 | 44 | 806 | 726 | 11 | 22 | 80 | 5 |
| 742 | 760 | 765 | 768 | 768 | 766 | 768 | 771 | | 755 | 23 | 46 | 777 | 723 | 9 | 34 | 54 | 6 |
| 765 | 771 | 773 | 783 | 778 | 764 | 761 | 763 | | 762 | 19 | 13 | 790 | 740 | 12 | 41 | 50 | 7 |
| 764 | 762 | 764 | 769 | 773 | 772 | 768 | 767 | | 758 | 20 | 50 | 777 | 731 | 10 | 23 | 46 | 8 * |
| 772 | 776 | 774 | 775 | 775 | 776 | 775 | 772 | | 766 | 17 | 3 | 783 | 745 | 11 | 37 | 38 | 9 * |
| 777 | 782 | 776 | 775 | 774 | 774 | 774 | 772 | | 763 | 17 | 8 | 789 | 731 | 10 | 10 | 58 | 10 * |
| 769 | 770 | 768 | 771 | 770 | 770 | 771 | 776 | | 761 | 24 | 0 | 819 | 735 | 9 | 29 | 84 | 11 * |
| 746 | 743 | 755 | 783 | 776 | 774 | 764 | 765 | | 770 | 0 | 1 | 819 | 708 | 16 | 1 | 111 | 12 |
| 721 | 740 | 748 | 746 | 743 | 742 | 751 | 760 | | 732 | 4 | 53 | 790 | 648 | 8 | 16 | 142 | 13 |
| 761 | 754 | 760 | 763 | 754 | 764 | 756 | 751 | | 739 | 15 | 52 | 798 | 690 | 9 | 37 | 108 | 14 |
| 798 | 833 | 764 | 754 | 749 | 744 | 741 | 732 | | 738 | 17 | 34 | 926† | 662 | 11 | 53 | 264 | 15 ** |
| 788 | 781 | 725 | 706 | 719 | 669 | 720 | 666 | | 707 | 14 | 36 | 844 | 568† | 8 | 41 | 276 | 16 ** |
| 715 | 733 | 741 | 740 | 741 | 737 | 740 | 742 | | 696 | 1 | 43 | 759 | 596 | 8 | 57 | 163 | 17 ** |
| 733 | 743 | 750 | 759 | 756 | 754 | 756 | 753 | | 734 | 22 | 2 | 767 | 699 | 10 | 44 | 68 | 18 |
| 745 | 755 | 758 | 762 | 766 | 754 | 753 | 746 | | 743 | 20 | 26 | 770 | 707 | 9 | 54 | 63 | 19 |
| 715 | 727 | 746 | 753 | 765 | 776 | 752 | 781 | | 741 | 20 | 22 | 804 | 668 | 12 | 47 | 136 | 20 |
| 746 | 753 | 772 | 774 | 764 | 759 | 764 | 764 | | 740 | 18 | 22 | 795 | 703 | 9 | 48 | 92 | 21 |
| 760 | 765 | 772 | 762 | 765 | 755 | 754 | 751 | | 748 | 18 | 11 | 800 | 707 | 11 | 4 | 93 | 22 |
| 750 | 751 | 755 | 775 | 771 | 772 | 755 | 745 | | 751 | 19 | 50 | 796 | 708 | 23 | 45 | 88 | 23 |
| 733 | 752 | 742 | 747 | 739 | 732 | 743 | 689 | | 722 | 15 | 6 | 815 | 605 | 11 | 40 | 210 | 24 ** |
| 713 | 731 | 729 | 742 | 747 | 748 | 755 | 751 | | 696 | 4 | 0 | 787 | 587 | 6 | 16 | 200 | 25 ** |
| 759 | 770 | 772 | 774 | 760 | 756 | 750 | 760 | | 735 | 19 | 21 | 786 | 676 | 11 | 11 | 110 | 26 |
| 760 | 770 | 773 | 777 | 774 | 762 | 757 | 768 | | 741 | 19 | 56 | 786 | 692 | 10 | 15 | 94 | 27 |
| 757 | 762 | 769 | 774 | 771 | 766 | 766 | 762 | | 751 | 4 | 49 | 780 | 692 | 9 | 48 | 88 | 28 |
| 753 | 789 | 819 | 781 | 751 | 765 | 740 | 728 | | 756 | 18 | 21 | 839 | 712 | 23 | 0 | 127 | 29 |
| 753 | 753 | 768 | 765 | 766 | 764 | 765 | 757 | | 746 | 5 | 34 | 776 | 693 | 9 | 33 | 83 | 30 |
| 762 | 772 | 779 | 774 | 769 | 771 | 777 | 773 | | 755 | 23 | 8 | 788 | 720 | 11 | 36 | 68 | 31 |
| 753 | 762 | 763 | 764 | 762 | 759 | 758 | 754 | | 744 | | - | 796 | 690 | | - | 106.0 | Mean |
| 768 | 771 | 770 | 770 | 771 | 771 | 770 | 769 | | 759 | | - | 788 | 731 | | - | 56.4 | Mean * |
| 749 | 766 | 740 | 738 | 739 | 726 | 740 | 716 | | 712 | | - | 826 | 604 | | - | 222.6 | Mean ** |
| 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | | JUNE |
| | | | | | | | | | | h | m | | h | m | γ | |
| 755 | 765 | 767 | 775 | 767 | 765 | 764 | 766 | | 751 | 19 | 8 | 784 | 705 | 13 | 11 | 79 | 1 ** |
| 781 | 780 | 768 | 777 | 776 | 774 | 773 | 768 | | 759 | 16 | 58 | 800 | 721 | 14 | 53 | 79 | 2 |
| 779 | 781 | 786 | 784 | 777 | 777 | 776 | 771 | | 765 | 18 | 56 | 793 | 727 | 10 | 2 | 66 | 3 * |
| 780 | 779 | 769 | 777 | 772 | 771 | 774 | 777 | | 763 | 17 | 24 | 797 | 731 | 13 | 1 | 66 | 4 |
| 779 | 784 | 793 | 791 | 788 | 785 | 786 | 783 | | 770 | 18 | 21 | 813 | 739 | 8 | 31 | 74 | 5 |
| 779 | 775 | 771 | 774 | 781 | 779 | 778 | 779 | | 773 | 15 | 46 | 819 | 734 | 14 | 32 | 85 | 6 |
| 778 | 780 | 769 | 777 | 788 | 779 | 780 | 778 | | 768 | 17 | 33 | 796 | 741 | 9 | 19 | 55 | 7 * |
| 768 | 782 | 787 | 796 | 778 | 782 | 769 | 757 | | 765 | 19 | 49 | 809 | 705 | 10 | 16 | 104 | 8 |
| 783 | 776 | 775 | 789 | 768 | 765 | 776 | 769 | | 761 | 19 | 41 | 803 | 705 | 7 | 34 | 98 | 9 |
| 787 | 794 | 783 | 784 | 777 | 781 | 784 | 763 | | 766 | 17 | 9 | 831 | 718 | 9 | 33 | 113 | 10 |
| 792 | 788 | 795 | 780 | 774 | 772 | 758 | 759 | | 757 | 18 | 17 | 809 | 697 | 8 | 30 | 112 | 11 |
| 772 | 788 | 790 | 776 | 772 | 774 | 770 | 763 | | 758 | 18 | 31 | 796 | 715 | 10 | 31 | 81 | 12 |
| 775 | 784 | 805 | 795 | 790 | 778 | 768 | 744 | | 761 | 18 | 47 | 819 | 726 | 13 | 7 | 93 | 13 |
| 757 | 775 | 782 | 793 | 793 | 781 | 779 | 784 | | 761 | 19 | 57 | 831 | 704 | 10 | 10 | 127 | 14 |
| 766 | 797 | 789 | 780 | 777 | 771 | 776 | 768 | | 754 | 17 | 46 | 836 | 699 | 11 | 54 | 137 | 15 ** |
| 784 | 782 | 793 | 783 | 773 | 766 | 771 | 768 | | 758 | 18 | 10 | 802 | 709 | 12 | 18 | 93 | 16 |
| 783 | 805 | 783 | 775 | 787 | 779 | 773 | 762 | | 765 | 17 | 26 | 823 | 726 | 9 | 33 | 97 | 17 |
| 775 | 784 | 783 | 777 | 779 | 777 | 766 | 766 | | 763 | 17 | 47 | 797 | 735 | 8 | 8 | 62 | 18 * |
| 787 | 785 | 776 | 782 | 784 | 782 | 778 | 774 | | 768 | 16 | 53 | 796 | 736 | 8 | 22 | 60 | 19 * |
| 757 | 758 | 767 | 778 | 793 | 789 | 779 | 782 | | 768 | 21 | 4 | 798 | 744 | 8 | 18 | 54 | 20 * |
| 777 | 776 | 776 | 784 | 788 | 787 | 773 | 770 | | 760 | 21 | 2 | 806 | 718 | 9 | 2 | 88 | 21 |
| 766 | 779 | 788 | 786 | 774 | 772 | 766 | 764 | | 760 | 18 | 27 | 800 | 718 | 9 | 31 | 82 | 22 |
| 786 | 783 | 814 | 814 | 797 | 781 | 760 | 748 | | 763 | 19 | 4 | 840 | 716 | 8 | 40 | 124 | 23 |
| 802 | 745 | 754 | 761 | 782 | 767 | 760 | 758 | | 751 | 16 | 10 | 854† | 695 | 9 | 33 | 159 | 24 ** |
| 751 | 753 | 783 | 762 | 757 | 757 | 762 | 753 | | 731 | 18 | 24 | 800 | 670† | 11 | 18 | 130 | 25 ** |
| 745 | 758 | 772 | 773 | 768 | 767 | 768 | 774 | | 747 | 18 | 30 | 788 | 693 | 12 | 42 | 95 | 26 |
| 761 | 773 | 784 | 771 | 771 | 772 | 769 | 766 | | 753 | 18 | 44 | 796 | 701 | 9 | 50 | 95 | 27 |
| 770 | 774 | 791 | 785 | 784 | 783 | 777 | 778 | | 764 | 18 | 31 | 809 | 722 | 12 | 28 | 87 | 28 |
| 750 | 758 | 790 | 786 | 782 | 777 | 775 | 773 | | 764 | 18 | 44 | 809 | 714 | 10 | 58 | 95 | 29 |
| 739 | 742 | 765 | 783 | 787 | 772 | 771 | 764 | | 752 | 20 | 28 | 802 | 677 | 12 | 37 | 125 | 30 ** |
| 772 | 776 | 782 | 782 | 779 | 775 | 772 | 768 | | 760 | | - | 809 | 715 | | - | 93.8 | Mean |
| 775 | 778 | 776 | 780 | 784 | 781 | 776 | 774 | | 766 | | - | 796 | 737 | | - | 59.4 | Mean * |
| 763 | 760 | 772 | 772 | 774 | 766 | 767 | 762 | | 748 | | - | 815 | 689 | | - | 126.0 | Mean ** |

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

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

| U.T. | 0h | 1h | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 11h | 12h | 13h | 14h | 15h | 16h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JULY | 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 759 | 758 | 759 | 758 | 767 | 764 | 758 | 742 | 732 | 721 | 724 | 725 | 726 | 732 | 736 | 754 | |
| 2 | 767 | 766 | 765 | 766 | 766 | 761 | 743 | 723 | 736 | 733 | 735 | 737 | 735 | 734 | 748 | 758 | |
| 3 | 779 | 776 | 776 | 782 | 772 | 776 | 753 | 734 | 734 | 726 | 716 | 729 | 729 | 744 | 753 | 768 | |
| 4 | 765 | 763 | 764 | 768 | 762 | 755 | 750 | 742 | 734 | 737 | 736 | 735 | 743 | 745 | 755 | 762 | |
| 5 | 774 | 770 | 767 | 771 | 774 | 774 | 770 | 759 | 751 | 746 | 750 | 740 | 757 | 754 | 760 | 768 | |
| 6 | 774 | 776 | 766 | 774 | 772 | 769 | 760 | 753 | 744 | 741 | 749 | 758 | 758 | 764 | 760 | 762 | |
| 7 * | 773 | 773 | 772 | 772 | 773 | 768 | 758 | 748 | 747 | 747 | 753 | 759 | 764 | 768 | 776 | 783 | |
| 8 | 779 | 800 | 792 | 796 | 794 | 784 | 783 | 774 | 755 | 744 | 744 | 752 | 750 | 751 | 764 | 768 | |
| 9 | 774 | 770 | 771 | 770 | 774 | 766 | 764 | 744 | 734 | 732 | 734 | 731 | 734 | 747 | 761 | 772 | |
| 10 | 762 | 763 | 765 | 767 | 770 | 772 | 766 | 762 | 757 | 758 | 744 | 741 | 754 | 765 | 766 | 764 | |
| 11 | 780 | 765 | 772 | 768 | 772 | 764 | 753 | 733 | 722 | 714 | 710 | 716 | 733 | 746 | 772 | 794 | |
| 12 | 774 | 772 | 767 | 767 | 768 | 768 | 774 | 757 | 744 | 728 | 720 | 726 | 739 | 734 | 748 | 760 | |
| 13 ** | 790 | 778 | 771 | 760 | 762 | 763 | 760 | 752 | 743 | 734 | 735 | 739 | 748 | 750 | 752 | 782 | |
| 14 | 734 | 746 | 751 | 750 | 752 | 753 | 742 | 736 | 731 | 722 | 714 | 724 | 722 | 727 | 741 | 754 | |
| 15 | 759 | 760 | 762 | 760 | 764 | 759 | 754 | 748 | 741 | 734 | 732 | 740 | 744 | 741 | 745 | 748 | |
| 16 | 773 | 769 | 760 | 764 | 770 | 775 | 762 | 758 | 744 | 734 | 724 | 733 | 744 | 740 | 757 | 764 | |
| 17 * | 764 | 763 | 764 | 764 | 768 | 763 | 758 | 749 | 739 | 734 | 736 | 748 | 750 | 754 | 754 | 762 | |
| 18 * | 771 | 767 | 766 | 770 | 772 | 773 | 766 | 754 | 746 | 744 | 746 | 751 | 746 | 750 | 754 | 762 | |
| 19 | 776 | 777 | 778 | 782 | 784 | 776 | 767 | 752 | 754 | 757 | 758 | 763 | 768 | 781 | 777 | 774 | |
| 20 | 776 | 757 | 760 | 765 | 770 | 767 | 767 | 760 | 748 | 741 | 736 | 730 | 731 | 726 | 753 | 766 | |
| 21 * | 761 | 760 | 762 | 764 | 765 | 763 | 754 | 748 | 746 | 742 | 736 | 733 | 737 | 748 | 760 | 771 | |
| 22 * | 776 | 775 | 772 | 775 | 774 | 772 | 765 | 762 | 757 | 754 | 750 | 746 | 752 | 767 | 773 | 777 | |
| 23 | 789 | 790 | 783 | 784 | 784 | 784 | 782 | 770 | 760 | 756 | 758 | 758 | 770 | 792 | 805 | 813 | |
| 24 ** | 759 | 764 | 763 | 768 | 773 | 771 | 746 | 716 | 683 | 718 | 731 | 752 | 735 | 724 | 724 | 739 | |
| 25 ** | 772 | 774 | 780 | 775 | 772 | 777 | 745 | 752 | 740 | 720 | 682 | 684 | 704 | 725 | 716 | 749 | |
| 26 ** | 744 | 746 | 765 | 762 | 764 | 757 | 751 | 740 | 692 | 696 | 726 | 717 | 739 | 736 | 751 | 752 | |
| 27 | 760 | 761 | 756 | 756 | 756 | 742 | 734 | 726 | 726 | 731 | 728 | 730 | 746 | 752 | 741 | 754 | |
| 28 ** | 772 | 764 | 758 | 755 | 766 | 766 | 762 | 751 | 738 | 735 | 718 | 745 | 746 | 736 | 723 | 743 | |
| 29 | 754 | 754 | 755 | 761 | 764 | 760 | 734 | 743 | 742 | 741 | 746 | 742 | 744 | 734 | 722 | 758 | |
| 30 | 762 | 765 | 761 | 763 | 766 | 766 | 766 | 745 | 726 | 720 | 726 | 736 | 744 | 748 | 752 | 754 | |
| 31 | 767 | 766 | 769 | 767 | 772 | 772 | 764 | 753 | 754 | 745 | 743 | 742 | 734 | 717 | 764 | 767 | |
| Mean | 768 | 767 | 767 | 768 | 770 | 767 | 758 | 748 | 739 | 735 | 734 | 737 | 743 | 746 | 754 | 765 | |
| Mean * | 769 | 768 | 767 | 769 | 770 | 768 | 760 | 752 | 747 | 744 | 744 | 747 | 750 | 757 | 763 | 771 | |
| Mean ** | 767 | 765 | 767 | 764 | 767 | 767 | 753 | 742 | 719 | 721 | 718 | 727 | 734 | 734 | 733 | 753 | |
| AUGUST | 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 775 | 761 | 755 | 761 | 761 | 762 | 755 | 754 | 747 | 741 | 737 | 747 | 758 | 754 | 747 | 754 | |
| 2 | 775 | 766 | 764 | 764 | 768 | 765 | 764 | 757 | 749 | 738 | 753 | 754 | 754 | 744 | 754 | 763 | |
| 3 | 766 | 769 | 766 | 769 | 769 | 768 | 761 | 748 | 745 | 755 | 750 | 750 | 760 | 754 | 759 | 744 | |
| 4 * | 766 | 767 | 761 | 764 | 768 | 767 | 765 | 762 | 758 | 755 | 756 | 763 | 770 | 770 | 771 | 768 | |
| 5 * | 780 | 776 | 774 | 773 | 777 | 775 | 769 | 762 | 752 | 752 | 757 | 757 | 764 | 769 | 774 | 776 | |
| 6 | 777 | 777 | 776 | 775 | 776 | 775 | 769 | 761 | 752 | 755 | 762 | 773 | 782 | 780 | 784 | 778 | |
| 7 * | 773 | 775 | 772 | 775 | 774 | 774 | 764 | 760 | 752 | 743 | 745 | 757 | 765 | 767 | 773 | 776 | |
| 8 | 784 | 782 | 787 | 779 | 780 | 778 | 769 | 757 | 756 | 745 | 752 | 761 | 776 | 777 | 776 | 776 | |
| 9 | 771 | 770 | 769 | 773 | 766 | 766 | 766 | 752 | 742 | 737 | 732 | 734 | 716 | 722 | 753 | 762 | |
| 10 | 774 | 780 | 772 | 779 | 781 | 786 | 776 | 754 | 734 | 722 | 712 | 712 | 722 | 735 | 742 | 760 | |
| 11 ** | 802 | 816 | 811 | 820 | 811 | 798 | 770 | 782 | 762 | 740 | 730 | 716 | 742 | 739 | 736 | 775 | |
| 12 | 756 | 758 | 764 | 771 | 766 | 759 | 742 | 734 | 724 | 723 | 716 | 716 | 738 | 737 | 736 | 757 | |
| 13 | 762 | 761 | 756 | 759 | 757 | 755 | 753 | 754 | 743 | 737 | 732 | 727 | 740 | 736 | 746 | 754 | |
| 14 | 770 | 779 | 770 | 765 | 765 | 761 | 755 | 751 | 746 | 742 | 739 | 737 | 751 | 750 | 753 | 761 | |
| 15 | 767 | 765 | 765 | 767 | 774 | 773 | 772 | 763 | 751 | 739 | 732 | 728 | 739 | 754 | 761 | 765 | |
| 16 | 773 | 771 | 769 | 771 | 770 | 769 | 765 | 753 | 745 | 744 | 742 | 745 | 746 | 754 | 760 | 775 | |
| 17 | 793 | 786 | 766 | 774 | 771 | 763 | 775 | 754 | 743 | 734 | 722 | 696 | 703 | 743 | 743 | 759 | |
| 18 | 771 | 768 | 764 | 764 | 763 | 762 | 756 | 744 | 734 | 726 | 727 | 732 | 735 | 741 | 751 | 756 | |
| 19 * | 773 | 770 | 771 | 772 | 773 | 772 | 767 | 761 | 752 | 746 | 747 | 750 | 763 | 771 | 772 | 771 | |
| 20 * | 776 | 775 | 775 | 773 | 772 | 772 | 765 | 755 | 747 | 746 | 753 | 763 | 763 | 770 | 772 | 773 | |
| 21 | 781 | 783 | 781 | 780 | 775 | 776 | 773 | 765 | 756 | 762 | 777 | 780 | 785 | 827 | 777 | 750 | |
| 22 | 757 | 753 | 754 | 756 | 760 | 763 | 752 | 741 | 737 | 736 | 743 | 754 | 767 | 775 | 769 | 770 | |
| 23 ** | 787 | 779 | 781 | 781 | 785 | 785 | 773 | 754 | 728 | 712 | 713 | 730 | 745 | 750 | 731 | 723 | |
| 24 ** | 738 | 763 | 755 | 736 | 748 | 722 | 730 | 711 | 703 | 682 | 646 | 691 | 707 | 730 | 749 | 784 | |
| 25 ** | 762 | 752 | 745 | 743 | 741 | 750 | 734 | 725 | 710 | 674 | 661 | 672 | 710 | 739 | 727 | 724 | |
| 26 ** | 742 | 733 | 748 | 748 | 744 | 754 | 743 | 721 | 710 | 718 | 713 | 722 | 729 | 732 | 731 | 731 | |
| 27 | 753 | 755 | 755 | 758 | 764 | 746 | 736 | 741 | 730 | 713 | 707 | 713 | 720 | 740 | 729 | 721 | |
| 28 | 784 | 773 | 773 | 758 | 756 | 763 | 753 | 745 | 738 | 731 | 723 | 720 | 727 | 743 | 736 | 749 | |
| 29 | 769 | 770 | 767 | 766 | 765 | 770 | 765 | 753 | 741 | 731 | 731 | 721 | 714 | 733 | 733 | 731 | |
| 30 | 775 | 767 | 763 | 763 | 763 | 765 | 762 | 746 | 741 | 737 | 722 | 717 | 726 | 733 | 736 | 744 | |
| 31 | 770 | 770 | 767 | 766 | 766 | 768 | 763 | 754 | 748 | 743 | 723 | 713 | 720 | 730 | 752 | 748 | |
| Mean | 771 | 770 | 768 | 768 | 768 | 767 | 760 | 751 | 741 | 734 | 731 | 734 | 743 | 752 | 753 | 757 | |
| Mean * | 774 | 773 | 771 | 771 | 773 | 772 | 766 | 760 | 752 | 748 | 752 | 758 | 765 | 769 | 772 | 773 | |
| Mean ** | 766 | 769 | 768 | 766 | 766 | 762 | 750 | 739 | 723 | 705 | 693 | 706 | 727 | 738 | 735 | 747 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum | | Minimum | | Range | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | JULY |
| | | | | | | | | | | h | m | | h | m | γ | |
| 752 | 776 | 777 | 777 | 760 | 771 | 770 | 771 | | 753 | 17 | 54 791 | 711 | 11 | 19 | 80 | 1 |
| 766 | 791 | 793 | 775 | 780 | 778 | 775 | 775 | | 759 | 17 | 57 816 | 708 | 7 | 20 | 108 | 2 |
| 760 | 764 | 772 | 771 | 773 | 770 | 770 | 767 | | 758 | 2 | 59 791 | 708 | 10 | 36 | 83 | 3 |
| 765 | 766 | 772 | 774 | 773 | 777 | 781 | 778 | | 758 | 22 | 14 786 | 726 | 9 | 1 | 60 | 4 |
| 784 | 776 | 780 | 787 | 787 | 784 | 772 | 773 | | 768 | 19 | 34 796 | 734 | 11 | 59 | 62 | 5 |
| 772 | 780 | 777 | 770 | 776 | 774 | 774 | 774 | | 766 | 17 | 44 789 | 737 | 9 | 20 | 52 | 6 |
| 770 | 774 | 776 | 781 | 784 | 786 | 787 | 784 | | 770 | 15 | 9 790 | 743 | 9 | 18 | 47 | 7 * |
| 773 | 784 | 784 | 784 | 787 | 775 | 766 | 777 | | 773 | 1 | 4 818 | 736 | 10 | 19 | 82 | 8 |
| 773 | 767 | 775 | 777 | 776 | 769 | 764 | 764 | | 760 | 0 | 33 785 | 724 | 11 | 2 | 61 | 9 |
| 778 | 782 | 823 | 811 | 800 | 793 | 773 | 784 | | 772 | 18 | 48 867† | 731 | 11 | 30 | 136 | 10 |
| 792 | 786 | 787 | 786 | 777 | 779 | 774 | 768 | | 761 | 16 | 22 813 | 704 | 10 | 38 | 109 | 11 |
| 772 | 779 | 792 | 793 | 794 | 777 | 773 | 775 | | 763 | 20 | 28 811 | 717 | 10 | 33 | 94 | 12 |
| 797 | 798 | 821 | 813 | 774 | 758 | 732 | 721 | | 764 | 19 | 8 856 | 731 | 9 | 40 | 125 | 13 ** |
| 764 | 768 | 773 | 778 | 781 | 788 | 769 | 758 | | 749 | 21 | 4 804 | 709 | 10 | 19 | 95 | 14 |
| 763 | 764 | 786 | 780 | 768 | 774 | 774 | 773 | | 757 | 18 | 37 800 | 726 | 10 | 19 | 74 | 15 |
| 764 | 774 | 778 | 783 | 779 | 775 | 772 | 764 | | 761 | 18 | 9 790 | 718 | 10 | 34 | 72 | 16 |
| 769 | 775 | 779 | 783 | 779 | 782 | 772 | 772 | | 762 | 21 | 11 789 | 727 | 10 | 8 | 62 | 17 * |
| 774 | 785 | 798 | 792 | 792 | 784 | 782 | 772 | | 767 | 18 | 31 808 | 740 | 12 | 24 | 68 | 18 * |
| 794 | 794 | 777 | 792 | 786 | 787 | 788 | 773 | | 776 | 21 | 54 804 | 748 | 7 | 20 | 56 | 19 |
| 772 | 787 | 788 | 788 | 786 | 774 | 772 | 766 | | 762 | 0 | 3 812 | 717 | 13 | 28 | 95 | 20 |
| 776 | 777 | 785 | 786 | 778 | 775 | 776 | 774 | | 762 | 19 | 53 791 | 730 | 12 | 1 | 61 | 21 * |
| 787 | 781 | 772 | 776 | 779 | 782 | 782 | 785 | | 770 | 16 | 55 797 | 744 | 11 | 3 | 53 | 22 * |
| 806 | 813 | 778 | 797 | 788 | 757 | 768 | 780 | | 782 | 16 | 46 830 | 745 | 23 | 53 | 85 | 23 |
| 753 | 768 | 780 | 783 | 783 | 780 | 775 | 778 | | 753 | 19 | 12 791 | 671 | 8 | 30 | 120 | 24 ** |
| 762 | 767 | 771 | 774 | 767 | 784 | 767 | 764 | | 751 | 21 | 22 803 | 661† | 10 | 53 | 142 | 25 ** |
| 746 | 765 | 769 | 767 | 773 | 771 | 784 | 776 | | 750 | 22 | 53 822 | 669 | 8 | 56 | 153 | 26 ** |
| 767 | 774 | 779 | 778 | 781 | 776 | 771 | 756 | | 753 | 19 | 59 797 | 716 | 11 | 37 | 81 | 27 |
| 754 | 776 | 777 | 780 | 791 | 777 | 769 | 776 | | 757 | 20 | 49 819 | 710 | 10 | 40 | 109 | 28 ** |
| 769 | 783 | 757 | 774 | 765 | 764 | 762 | 764 | | 754 | 17 | 17 842 | 699 | 6 | 52 | 143 | 29 |
| 762 | 763 | 765 | 775 | 784 | 784 | 776 | 769 | | 757 | 20 | 45 795 | 714 | 9 | 43 | 81 | 30 |
| 773 | 767 | 764 | 768 | 771 | 773 | 772 | 769 | | 761 | 16 | 46 787 | 702 | 13 | 31 | 85 | 31 |
| 771 | 778 | 781 | 782 | 780 | 777 | 772 | 770 | | 762 | - | 806 | 718 | - | | 88.2 | Mean |
| 775 | 778 | 782 | 784 | 782 | 782 | 780 | 777 | | 766 | - | 795 | 737 | - | | 58.2 | Mean * |
| 762 | 775 | 784 | 783 | 778 | 774 | 765 | 763 | | 755 | - | 818 | 688 | - | | 129.8 | Mean ** |
| 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | AUGUST |
| | | | | | | | | | | h | m | | h | m | γ | |
| 767 | 774 | 772 | 773 | 777 | 781 | 776 | 774 | | 761 | 17 | 33 786 | 731 | 10 | 21 | 55 | 1 |
| 764 | 764 | 782 | 786 | 780 | 776 | 782 | 775 | | 764 | 19 | 32 793 | 734 | 9 | 37 | 59 | 2 |
| 753 | 766 | 773 | 773 | 773 | 770 | 774 | 772 | | 762 | 19 | 3 781 | 735 | 15 | 15 | 46 | 3 |
| 766 | 767 | 766 | 774 | 781 | 784 | 784 | 784 | | 768 | 21 | 12 791 | 748 | 10 | 13 | 43 | 4 * |
| 773 | 773 | 771 | 782 | 784 | 784 | 782 | 776 | | 771 | 19 | 38 788 | 748 | 9 | 25 | 40 | 5 * |
| 773 | 786 | 781 | 794 | 785 | 780 | 774 | 769 | | 775 | 19 | 23 800 | 747 | 8 | 38 | 53 | 6 |
| 784 | 787 | 787 | 793 | 790 | 785 | 787 | 784 | | 773 | 19 | 35 799 | 739 | 10 | 18 | 60 | 7 * |
| 774 | 772 | 773 | 762 | 776 | 772 | 769 | 768 | | 771 | 17 | 33 809 | 743 | 9 | 19 | 66 | 8 |
| 805 | 790 | 757 | 761 | 781 | 754 | 743 | 754 | | 757 | 17 | 57 826 | 697 | 12 | 53 | 129 | 9 |
| 775 | 774 | 773 | 777 | 778 | 782 | 794 | 790 | | 762 | 22 | 18 805 | 708 | 11 | 11 | 97 | 10 |
| 775 | 787 | 793 | 758 | 752 | 763 | 770 | 759 | | 771 | 0 | 51 865† | 691 | 11 | 6 | 174 | 11 ** |
| 771 | 775 | 766 | 766 | 779 | 787 | 771 | 764 | | 753 | 21 | 3 813 | 701 | 11 | 19 | 112 | 12 |
| 770 | 776 | 781 | 783 | 783 | 777 | 770 | 766 | | 757 | 20 | 59 790 | 719 | 11 | 23 | 71 | 13 |
| 769 | 775 | 780 | 777 | 773 | 773 | 771 | 771 | | 762 | 19 | 11 786 | 730 | 11 | 13 | 56 | 14 |
| 770 | 779 | 783 | 791 | 781 | 773 | 779 | 773 | | 764 | 19 | 26 794 | 722 | 11 | 22 | 72 | 15 |
| 783 | 772 | 777 | 785 | 786 | 793 | 794 | 790 | | 768 | 16 | 10 798 | 738 | 10 | 29 | 60 | 16 |
| 776 | 778 | 779 | 784 | 780 | 776 | 775 | 774 | | 760 | 0 | 56 807 | 690 | 11 | 39 | 117 | 17 |
| 766 | 773 | 773 | 774 | 774 | 773 | 772 | 773 | | 757 | 17 | 16 781 | 721 | 9 | 55 | 60 | 18 |
| 774 | 774 | 775 | 775 | 777 | 781 | 783 | 782 | | 769 | 21 | 5 786 | 743 | 10 | 21 | 43 | 19 * |
| 769 | 769 | 773 | 778 | 781 | 782 | 782 | 780 | | 769 | 22 | 13 785 | 741 | 8 | 38 | 44 | 20 * |
| 784 | 793 | 775 | 777 | 777 | 771 | 754 | 752 | | 775 | 13 | 6 857 | 725 | 15 | 33 | 132 | 21 |
| 763 | 773 | 775 | 772 | 773 | 778 | 770 | 774 | | 761 | 13 | 29 801 | 730 | 9 | 21 | 71 | 22 |
| 740 | 753 | 763 | 747 | 754 | 764 | 751 | 723 | | 752 | 0 | 36 796 | 690 | 14 | 47 | 106 | 23 ** |
| 714 | 731 | 719 | 725 | 745 | 746 | 755 | 771 | | 729 | 15 | 41 840 | 633† | 10 | 14 | 207 | 24 ** |
| 751 | 746 | 758 | 749 | 753 | 771 | 753 | 748 | | 733 | 0 | 1 811 | 647 | 10 | 3 | 164 | 25 ** |
| 734 | 755 | 771 | 761 | 758 | 752 | 752 | 752 | | 740 | 18 | 2 782 | 690 | 8 | 15 | 92 | 26 ** |
| 737 | 753 | 756 | 764 | 764 | 764 | 762 | 763 | | 744 | 4 | 42 777 | 699 | 10 | 38 | 78 | 27 |
| 773 | 765 | 773 | 766 | 772 | 768 | 764 | 764 | | 755 | 0 | 39 804 | 711 | 11 | 28 | 93 | 28 |
| 758 | 765 | 777 | 775 | 772 | 768 | 770 | 775 | | 755 | 23 | 57 790 | 707 | 12 | 32 | 83 | 29 |
| 755 | 758 | 767 | 773 | 774 | 773 | 772 | 770 | | 754 | 0 | 2 786 | 703 | 11 | 2 | 83 | 30 |
| 787 | 760 | 756 | 782 | 773 | 763 | 768 | 766 | | 757 | 16 | 47 809 | 689 | 10 | 58 | 120 | 31 |
| 766 | 770 | 771 | 772 | 774 | 773 | 771 | 769 | | 760 | - | 801 | 715 | - | | 86.6 | Mean |
| 773 | 774 | 774 | 780 | 783 | 783 | 784 | 781 | | 770 | - | 790 | 744 | - | | 46.0 | Mean * |
| 743 | 754 | 761 | 748 | 752 | 759 | 756 | 751 | | 745 | - | 819 | 670 | - | | 148.6 | Mean ** |

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

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

| U.T. | 0h | 1h | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 11h | 12h | 13h | 14h | 15h | 16h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SEPTEMBER** | | | | | | 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | |
| 1 | 780 | 768 | 755 | 754 | 757 | 753 | 749 | 742 | 743 | 733 | 722 | 730 | 727 | 725 | 743 | 743 | |
| 2 ** | 763 | 773 | 764 | 774 | 793 | 716 | 750 | 709 | 638 | 633 | 635 | 653 | 686 | 683 | 697 | 703 | |
| 3 ** | 733 | 739 | 725 | 710 | 733 | 733 | 723 | 683 | 660 | 653 | 666 | 672 | 698 | 710 | 737 | 713 | |
| 4 | 749 | 746 | 740 | 738 | 739 | 738 | 727 | 713 | 715 | 723 | 725 | 725 | 737 | 740 | 724 | 727 | |
| 5 | 762 | 756 | 751 | 753 | 749 | 749 | 744 | 736 | 728 | 720 | 721 | 728 | 735 | 745 | 746 | 748 | |
| 6 | 780 | 763 | 763 | 766 | 765 | 761 | 758 | 734 | 720 | 709 | 724 | 731 | 736 | 745 | 751 | 740 | |
| 7 | 753 | 748 | 746 | 751 | 755 | 754 | 744 | 730 | 712 | 708 | 712 | 721 | 739 | 746 | 761 | 762 | |
| 8 ** | 763 | 763 | 765 | 764 | 765 | 764 | 757 | 741 | 721 | 717 | 731 | 754 | 746 | 772 | 841 | 793 | |
| 9 | 714 | 725 | 729 | 730 | 729 | 729 | 730 | 721 | 723 | 706 | 706 | 722 | 723 | 733 | 728 | 731 | |
| 10 | 757 | 743 | 744 | 743 | 741 | 741 | 736 | 731 | 730 | 720 | 713 | 716 | 725 | 741 | 756 | 755 | |
| 11 | 754 | 753 | 757 | 753 | 751 | 762 | 764 | 753 | 745 | 727 | 713 | 714 | 713 | 725 | 738 | 743 | |
| 12 | 759 | 760 | 760 | 760 | 762 | 763 | 763 | 763 | 755 | 744 | 728 | 723 | 727 | 737 | 751 | 755 | |
| 13 | 754 | 765 | 780 | 771 | 753 | 741 | 738 | 737 | 726 | 723 | 723 | 725 | 729 | 733 | 737 | 740 | |
| 14 * | 752 | 752 | 752 | 753 | 751 | 750 | 747 | 742 | 741 | 733 | 731 | 729 | 733 | 734 | 744 | 753 | |
| 15 | 765 | 760 | 760 | 762 | 763 | 760 | 764 | 760 | 751 | 737 | 725 | 730 | 739 | 742 | 747 | 753 | |
| 16 | 762 | 765 | 767 | 766 | 770 | 770 | 766 | 761 | 755 | 745 | 735 | 732 | 735 | 744 | 761 | 763 | |
| 17 * | 766 | 764 | 762 | 762 | 763 | 761 | 762 | 752 | 741 | 728 | 725 | 724 | 741 | 747 | 757 | 751 | |
| 18 * | 769 | 770 | 765 | 764 | 765 | 767 | 764 | 756 | 746 | 735 | 725 | 730 | 735 | 742 | 751 | 757 | |
| 19 * | 776 | 780 | 775 | 775 | 775 | 773 | 767 | 760 | 746 | 738 | 738 | 747 | 756 | 761 | 764 | 764 | |
| 20 | 786 | 787 | 786 | 796 | 817 | 819 | 804 | 778 | 768 | 756 | 762 | 773 | 760 | 750 | 757 | 765 | |
| 21 ** | 766 | 761 | 771 | 765 | 765 | 755 | 758 | 752 | 740 | 723 | 706 | 717 | 708 | 704 | 723 | 741 | |
| 22 ** | 764 | 768 | 761 | 771 | 753 | 751 | 752 | 747 | 719 | 701 | 686 | 688 | 710 | 720 | 723 | 726 | |
| 23 | 759 | 753 | 753 | 751 | 753 | 758 | 749 | 738 | 731 | 728 | 712 | 712 | 721 | 726 | 734 | 743 | |
| 24 | 762 | 762 | 761 | 765 | 768 | 766 | 760 | 753 | 737 | 725 | 715 | 723 | 728 | 738 | 746 | 753 | |
| 25 | 769 | 768 | 768 | 763 | 763 | 762 | 759 | 748 | 733 | 724 | 722 | 723 | 733 | 744 | 748 | 748 | |
| 26 | 762 | 766 | 771 | 774 | 772 | 772 | 762 | 761 | 736 | 711 | 700 | 703 | 710 | 721 | 725 | 735 | |
| 27 | 770 | 772 | 770 | 767 | 767 | 768 | 769 | 763 | 753 | 739 | 733 | 723 | 725 | 731 | 745 | 747 | |
| 28 | 763 | 763 | 768 | 782 | 771 | 774 | 771 | 760 | 744 | 730 | 725 | 725 | 736 | 751 | 755 | 757 | |
| 29 * | 767 | 770 | 764 | 765 | 770 | 773 | 774 | 771 | 762 | 748 | 736 | 740 | 746 | 755 | 763 | 761 | |
| 30 | 771 | 772 | 773 | 766 | 766 | 764 | 771 | 765 | 756 | 743 | 741 | 734 | 740 | 745 | 753 | 755 | |
| Mean | 762 | 761 | 760 | 760 | 761 | 758 | 756 | 745 | 733 | 722 | 718 | 722 | 729 | 736 | 747 | 748 | |
| Mean * | 766 | 767 | 764 | 764 | 765 | 765 | 763 | 756 | 747 | 736 | 731 | 734 | 742 | 748 | 756 | 757 | |
| Mean ** | 758 | 761 | 757 | 757 | 762 | 744 | 748 | 726 | 696 | 685 | 685 | 697 | 710 | 718 | 744 | 735 | |
| **OCTOBER** | | | | | | 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | |
| 1 | 771 | 773 | 774 | 771 | 766 | 773 | 777 | 775 | 763 | 746 | 745 | 739 | 727 | 737 | 736 | 741 | |
| 2 ** | 761 | 775 | 765 | 763 | 765 | 773 | 762 | 749 | 723 | 713 | 712 | 728 | 725 | 710 | 693 | 718 | |
| 3 | 765 | 754 | 753 | 749 | 755 | 756 | 751 | 744 | 733 | 721 | 722 | 724 | 725 | 712 | 725 | 731 | |
| 4 | 765 | 766 | 760 | 757 | 754 | 756 | 754 | 742 | 730 | 729 | 732 | 740 | 746 | 753 | 747 | 744 | |
| 5 | 763 | 763 | 761 | 763 | 763 | 763 | 766 | 757 | 718 | 713 | 720 | 727 | 731 | 731 | 735 | 745 | |
| 6 | 771 | 771 | 765 | 764 | 761 | 763 | 767 | 761 | 746 | 734 | 726 | 735 | 731 | 747 | 745 | 743 | |
| 7 | 780 | 773 | 770 | 764 | 767 | 764 | 765 | 755 | 743 | 731 | 726 | 727 | 729 | 740 | 734 | 745 | |
| 8 | 786 | 773 | 768 | 769 | 767 | 763 | 769 | 761 | 744 | 728 | 718 | 719 | 727 | 741 | 753 | 763 | |
| 9 | 770 | 773 | 768 | 764 | 765 | 771 | 771 | 763 | 753 | 733 | 733 | 731 | 736 | 731 | 750 | 756 | |
| 10 | 765 | 767 | 772 | 766 | 769 | 769 | 767 | 761 | 749 | 736 | 726 | 725 | 732 | 740 | 753 | 760 | |
| 11 | 769 | 766 | 773 | 775 | 770 | 775 | 775 | 773 | 758 | 743 | 726 | 730 | 736 | 741 | 749 | 763 | |
| 12 | 773 | 772 | 773 | 773 | 773 | 773 | 773 | 772 | 765 | 753 | 741 | 731 | 737 | 746 | 757 | 764 | |
| 13 * | 767 | 770 | 767 | 771 | 773 | 776 | 780 | 779 | 767 | 753 | 738 | 737 | 745 | 753 | 757 | 764 | |
| 14 * | 776 | 773 | 773 | 773 | 774 | 773 | 770 | 767 | 762 | 750 | 741 | 742 | 746 | 752 | 755 | 761 | |
| 15 * | 776 | 775 | 775 | 776 | 775 | 775 | 775 | 774 | 766 | 755 | 748 | 743 | 745 | 753 | 757 | 763 | |
| 16 | 779 | 779 | 778 | 779 | 779 | 782 | 784 | 774 | 756 | 747 | 743 | 742 | 744 | 749 | 752 | 760 | |
| 17 * | 778 | 778 | 774 | 772 | 774 | 775 | 776 | 782 | 773 | 769 | 754 | 748 | 754 | 759 | 765 | 766 | |
| 18 | 782 | 777 | 779 | 774 | 771 | 778 | 775 | 771 | 763 | 755 | 744 | 744 | 749 | 759 | 764 | 769 | |
| 19 | 789 | 785 | 784 | 784 | 788 | 794 | 787 | 785 | 780 | 769 | 762 | 756 | 745 | 752 | 760 | 762 | |
| 20 ** | 781 | 780 | 779 | 784 | 789 | 795 | 789 | 775 | 758 | 718 | 714 | 705 | 702 | 688 | 702 | 722 | |
| 21 ** | 738 | 728 | 735 | 728 | 742 | 752 | 743 | 735 | 709 | 704 | 688 | 700 | 701 | 700 | 713 | 705 | |
| 22 | 759 | 762 | 760 | 761 | 746 | 747 | 750 | 741 | 721 | 706 | 699 | 700 | 705 | 699 | 709 | 722 | |
| 23 | 751 | 755 | 752 | 769 | 772 | 768 | 768 | 754 | 732 | 725 | 720 | 717 | 716 | 722 | 724 | 732 | |
| 24 | 759 | 758 | 760 | 761 | 769 | 764 | 762 | 751 | 736 | 724 | 714 | 720 | 730 | 736 | 744 | 750 | |
| 25 * | 769 | 770 | 769 | 771 | 772 | 774 | 772 | 763 | 758 | 742 | 725 | 730 | 735 | 744 | 753 | 760 | |
| 26 ** | 783 | 784 | 775 | 774 | 775 | 784 | 800 | 784 | 762 | 747 | 735 | 733 | 742 | 760 | 752 | 739 | |
| 27 ** | 691 | 682 | 708 | 714 | 698 | 707 | 714 | 723 | 712 | 702 | 695 | 697 | 693 | 700 | 704 | 711 | |
| 28 | 736 | 738 | 750 | 760 | 754 | 751 | 744 | 747 | 733 | 717 | 694 | 696 | 697 | 704 | 714 | 721 | |
| 29 | 749 | 744 | 748 | 750 | 748 | 751 | 752 | 745 | 734 | 713 | 701 | 699 | 710 | 718 | 717 | 724 | |
| 30 | 754 | 753 | 751 | 751 | 754 | 760 | 764 | 762 | 752 | 742 | 730 | 717 | 722 | 723 | 715 | 718 | |
| 31 | 762 | 760 | 760 | 760 | 760 | 761 | 763 | 763 | 755 | 742 | 737 | 730 | 730 | 731 | 738 | 741 | |
| Mean | 765 | 764 | 764 | 764 | 764 | 767 | 767 | 761 | 747 | 734 | 726 | 726 | 729 | 733 | 738 | 744 | |
| Mean * | 773 | 773 | 772 | 773 | 774 | 775 | 775 | 773 | 765 | 754 | 741 | 740 | 745 | 752 | 757 | 763 | |
| Mean ** | 751 | 750 | 752 | 753 | 754 | 762 | 762 | 753 | 733 | 717 | 709 | 713 | 713 | 712 | 713 | 719 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

18000 γ + Tabular Quantities (in γ) — SEPTEMBER

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 763 | 766 | 778 | 773 | 774 | 773 | 769 | 763 | | 753 | 0 14 | 794 | 703 | 10 15 | 91 | 1 | |
| 703 | 710 | 736 | 736 | 733 | 733 | 737 | 733 | | 716 | 3 57 | 829 | 573† | 9 1 | 256 | 2 | ** |
| 715 | 725 | 736 | 744 | 748 | 745 | 743 | 745 | | 716 | 21 2 | 760 | 638 | 8 36 | 122 | 3 | ** |
| 733 | 736 | 741 | 748 | 755 | 755 | 753 | 754 | | 737 | 20 39 | 760 | 704 | 7 46 | 56 | 4 | |
| 751 | 750 | 754 | 761 | 763 | 766 | 768 | 773 | | 748 | 24 0 | 783 | 710 | 9 16 | 73 | 5 | |
| 738 | 738 | 751 | 755 | 774 | 757 | 752 | 760 | | 749 | 13 53 | 787 | 700 | 9 25 | 87 | 6 | |
| 758 | 759 | 764 | 768 | 767 | 765 | 766 | 762 | | 748 | 14 54 | 775 | 703 | 9 34 | 72 | 7 | |
| 662 | 726 | 711 | 706 | 723 | 721 | 720 | 711 | | 743 | 14 52 | 1130† | 616 | 16 28 | 514 | 8 | ** |
| 735 | 745 | 766 | 767 | 760 | 751 | 754 | 772 | | 735 | 18 40 | 785 | 687 | 9 42 | 98 | 9 | |
| 754 | 765 | 767 | 755 | 757 | 756 | 756 | 753 | | 744 | 17 56 | 777 | 708 | 10 58 | 69 | 10 | |
| 750 | 758 | 759 | 767 | 763 | 758 | 756 | 759 | | 747 | 19 3 | 771 | 703 | 10 51 | 68 | 11 | |
| 758 | 763 | 770 | 771 | 763 | 778 | 753 | 755 | | 755 | 21 51 | 812 | 717 | 11 38 | 95 | 12 | |
| 747 | 761 | 756 | 760 | 759 | 754 | 760 | 757 | | 747 | 3 22 | 788 | 715 | 10 14 | 73 | 13 | |
| 756 | 761 | 761 | 762 | 764 | 765 | 766 | 768 | | 750 | 23 40 | 773 | 725 | 11 20 | 48 | 14 | * |
| 759 | 767 | 769 | 772 | 773 | 776 | 785 | 766 | | 758 | 22 23 | 790 | 721 | 11 9 | 69 | 15 | |
| 755 | 747 | 759 | 766 | 769 | 763 | 765 | 767 | | 758 | 21 56 | 777 | 725 | 11 31 | 52 | 16 | |
| 750 | 754 | 760 | 767 | 766 | 766 | 768 | 770 | | 754 | 19 33 | 773 | 720 | 11 36 | 53 | 17 | * |
| 760 | 763 | 767 | 772 | 773 | 775 | 776 | 775 | | 758 | 23 31 | 778 | 720 | 10 30 | 58 | 18 | * |
| 768 | 772 | 776 | 779 | 781 | 782 | 785 | 784 | | 768 | 23 56 | 789 | 733 | 10 56 | 56 | 19 | * |
| 778 | 718 | 748 | 753 | 753 | 754 | 768 | 769 | | 771 | 5 0 | 835 | 690 | 17 14 | 145 | 20 | |
| 736 | 754 | 752 | 754 | 764 | 776 | 765 | 766 | | 747 | 2 38 | 786 | 690 | 12 47 | 96 | 21 | ** |
| 726 | 736 | 755 | 745 | 749 | 754 | 765 | 761 | | 739 | 4 6 | 778 | 673 | 10 47 | 105 | 22 | ** |
| 750 | 760 | 762 | 765 | 764 | 763 | 768 | 767 | | 747 | 23 1 | 777 | 699 | 10 52 | 78 | 23 | |
| 758 | 763 | 766 | 768 | 773 | 770 | 780 | 774 | | 755 | 22 41 | 787 | 710 | 10 24 | 77 | 24 | |
| 753 | 763 | 771 | 766 | 764 | 758 | 775 | 767 | | 754 | 22 53 | 799 | 719 | 11 11 | 80 | 25 | |
| 750 | 753 | 760 | 766 | 769 | 773 | 771 | 770 | | 750 | 3 41 | 778 | 693 | 10 21 | 85 | 26 | |
| 755 | 757 | 762 | 752 | 749 | 753 | 763 | 765 | | 754 | 6 59 | 773 | 717 | 11 52 | 56 | 27 | |
| 752 | 761 | 768 | 773 | 771 | 769 | 767 | 768 | | 759 | 3 13 | 786 | 720 | 11 20 | 66 | 28 | |
| 761 | 762 | 764 | 768 | 775 | 776 | 775 | 775 | | 763 | 21 22 | 785 | 730 | 10 40 | 55 | 29 | * |
| 758 | 766 | 774 | 775 | 780 | 779 | 776 | 761 | | 762 | 1 25 | 780 | 729 | 11 39 | 51 | 30 | |
| 746 | 752 | 759 | 760 | 763 | 762 | 764 | 762 | | 749 | - | 797 | 700 | - | 96.8 | Mean | |
| 759 | 762 | 766 | 770 | 772 | 773 | 774 | 774 | | 759 | - | 780 | 726 | - | 54.0 | Mean | * |
| 708 | 730 | 738 | 737 | 743 | 746 | 746 | 743 | | 732 | - | 857 | 638 | - | 218.6 | Mean | ** |

18000 γ + Tabular Quantities (in γ) — OCTOBER

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 734 | 744 | 762 | 761 | 765 | 773 | 773 | 785 | | 759 | 23 48 | 824† | 718 | 12 39 | 106 | 1 | |
| 726 | 728 | 747 | 755 | 743 | 756 | 754 | 760 | | 742 | 0 0 | 811 | 686 | 14 25 | 125 | 2 | ** |
| 749 | 766 | 750 | 733 | 752 | 759 | 761 | 773 | | 744 | 23 43 | 803 | 707 | 13 29 | 96 | 3 | |
| 753 | 762 | 757 | 745 | 759 | 770 | 763 | 763 | | 752 | 0 0 | 785 | 720 | 10 17 | 65 | 4 | |
| 754 | 761 | 770 | 763 | 750 | 752 | 760 | 766 | | 750 | 6 50 | 777 | 706 | 9 56 | 71 | 5 | |
| 745 | 754 | 760 | 762 | 770 | 767 | 773 | 770 | | 755 | 23 57 | 790 | 711 | 12 23 | 79 | 6 | |
| 755 | 763 | 769 | 760 | 757 | 775 | 773 | 765 | | 755 | 0 10 | 791 | 712 | 10 25 | 79 | 7 | |
| 755 | 765 | 767 | 774 | 764 | 761 | 761 | 769 | | 757 | 0 29 | 800 | 709 | 11 27 | 91 | 8 | |
| 763 | 770 | 770 | 769 | 775 | 781 | 780 | 767 | | 760 | 22 22 | 794 | 720 | 11 16 | 74 | 9 | |
| 762 | 771 | 771 | 773 | 776 | 775 | 773 | 770 | | 760 | 20 4 | 782 | 720 | 11 20 | 62 | 10 | |
| 767 | 773 | 775 | 775 | 774 | 772 | 777 | 776 | | 763 | 22 33 | 784 | 719 | 10 34 | 65 | 11 | |
| 766 | 771 | 773 | 777 | 782 | 775 | 776 | 771 | | 765 | 21 54 | 785 | 725 | 11 10 | 60 | 12 | |
| 766 | 773 | 776 | 779 | 782 | 783 | 782 | 782 | | 768 | 21 2 | 786 | 731 | 11 22 | 55 | 13 | * |
| 763 | 771 | 776 | 777 | 776 | 780 | 777 | 776 | | 766 | 0 11 | 780 | 736 | 10 46 | 44 | 14 | * |
| 769 | 776 | 781 | 783 | 783 | 783 | 783 | 783 | | 770 | 20 5 | 790 | 741 | 11 17 | 49 | 15 | * |
| 764 | 773 | 777 | 779 | 782 | 782 | 782 | 780 | | 769 | 6 2 | 787 | 739 | 11 37 | 48 | 16 | |
| 772 | 774 | 775 | 775 | 777 | 779 | 781 | 783 | | 771 | 7 16 | 785 | 740 | 11 39 | 45 | 17 | * |
| 773 | 778 | 782 | 785 | 785 | 789 | 789 | 789 | | 772 | 22 8 | 793 | 737 | 10 47 | 56 | 18 | |
| 762 | 768 | 777 | 784 | 785 | 789 | 785 | 784 | | 776 | 4 52 | 797 | 738 | 12 57 | 59 | 19 | |
| 722 | 719 | 698 | 699 | 703 | 707 | 736 | 729 | | 737 | 6 0 | 807 | 677 | 13 42 | 130 | 20 | ** |
| 718 | 706 | 715 | 728 | 741 | 730 | 742 | 752 | | 723 | 4 41 | 768 | 676 | 10 26 | 92 | 21 | ** |
| 730 | 725 | 728 | 734 | 735 | 740 | 746 | 748 | | 732 | 2 48 | 773 | 691 | 13 55 | 82 | 22 | |
| 732 | 732 | 741 | 742 | 763 | 774 | 765 | 753 | | 745 | 21 28 | 789 | 711 | 12 41 | 78 | 23 | |
| 753 | 760 | 769 | 770 | 771 | 771 | 771 | 770 | | 753 | 19 48 | 776 | 712 | 10 41 | 64 | 24 | |
| 765 | 771 | 778 | 774 | 770 | 773 | 779 | 778 | | 762 | 22 6 | 789 | 720 | 10 29 | 69 | 25 | * |
| 740 | 740 | 735 | 715 | 680 | 662 | 666 | 683 | | 744 | 6 36 | 810 | 649 | 23 56 | 161 | 26 | ** |
| 724 | 735 | 732 | 714 | 728 | 734 | 730 | 733 | | 712 | 0 13 | 762 | 637† | 0 40 | 125 | 27 | ** |
| 729 | 735 | 744 | 746 | 740 | 747 | 748 | 749 | | 733 | 3 3 | 764 | 685 | 12 40 | 79 | 28 | |
| 732 | 736 | 739 | 745 | 754 | 755 | 756 | 755 | | 736 | 20 53 | 777 | 693 | 10 43 | 84 | 29 | |
| 740 | 740 | 745 | 750 | 755 | 760 | 761 | 762 | | 745 | 6 53 | 768 | 702 | 15 23 | 66 | 30 | |
| 734 | 749 | 759 | 761 | 764 | 764 | 767 | 767 | | 752 | 23 27 | 801 | 724 | 11 40 | 77 | 31 | |
| 749 | 754 | 758 | 758 | 759 | 762 | 764 | 764 | | 753 | - | 788 | 709 | - | 78.6 | Mean | |
| 767 | 773 | 777 | 778 | 778 | 780 | 780 | 780 | | 767 | - | 786 | 734 | - | 52.4 | Mean | * |
| 726 | 726 | 725 | 722 | 719 | 718 | 726 | 731 | | 732 | - | 792 | 665 | - | 126.6 | Mean | ** |

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

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

| U.T. | 0h | 1h | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 11h | 12h | 13h | 14h | 15h | 16h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NOVEMBER | | | | | | 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | |
| 1 | 772 | 752 | 753 | 749 | 756 | 758 | 764 | 764 | 758 | 753 | 749 | 743 | 748 | 752 | 747 | 745 | |
| 2 | 766 | 768 | 768 | 772 | 777 | 781 | 781 | 781 | 772 | 762 | 748 | 742 | 746 | 759 | 761 | 761 | |
| 3 | 779 | 769 | 762 | 762 | 766 | 765 | 764 | 766 | 754 | 726 | 721 | 724 | 726 | 730 | 732 | 742 | |
| 4 | 769 | 769 | 770 | 766 | 764 | 768 | 765 | 759 | 760 | 743 | 722 | 713 | 719 | 727 | 738 | 741 | |
| 5 * | 775 | 769 | 770 | 769 | 765 | 766 | 769 | 770 | 760 | 751 | 735 | 729 | 734 | 742 | 750 | 762 | |
| 6 | 772 | 773 | 773 | 771 | 772 | 773 | 775 | 774 | 760 | 744 | 734 | 725 | 730 | 744 | 755 | 759 | |
| 7 * | 772 | 762 | 763 | 761 | 769 | 768 | 769 | 765 | 752 | 741 | 724 | 712 | 715 | 731 | 742 | 753 | |
| 8 * | 770 | 773 | 772 | 772 | 771 | 770 | 770 | 772 | 762 | 747 | 733 | 725 | 726 | 741 | 748 | 759 | |
| 9 | 772 | 765 | 771 | 770 | 772 | 772 | 771 | 771 | 758 | 744 | 735 | 732 | 741 | 750 | 762 | 767 | |
| 10 ** | 758 | 756 | 765 | 756 | 764 | 757 | 749 | 746 | 737 | 735 | 719 | 695 | 693 | 694 | 674 | 705 | |
| 11 ** | 667 | 673 | 703 | 711 | 729 | 693 | 685 | 703 | 666 | 643 | 635 | 650 | 655 | 664 | 694 | 701 | |
| 12 | 727 | 695 | 694 | 697 | 704 | 716 | 733 | 724 | 713 | 729 | 715 | 714 | 704 | 698 | 701 | 711 | |
| 13 | 726 | 721 | 723 | 732 | 723 | 718 | 723 | 725 | 723 | 718 | 706 | 697 | 692 | 701 | 716 | 722 | |
| 14 ** | 747 | 743 | 756 | 757 | 770 | 753 | 780 | 763 | 732 | 723 | 723 | 697 | 699 | 702 | 713 | 732 | |
| 15 ** | 665 | 651 | 694 | 712 | 720 | 683 | 693 | 672 | 606 | 584 | 665 | 643 | 637 | 671 | 672 | 695 | |
| 16 ** | 725 | 722 | 739 | 731 | 719 | 765 | 750 | 732 | 730 | 701 | 697 | 701 | 700 | 706 | 706 | 711 | |
| 17 | 742 | 745 | 745 | 749 | 748 | 745 | 745 | 738 | 732 | 738 | 737 | 741 | 735 | 731 | 723 | 723 | |
| 18 | 724 | 737 | 741 | 743 | 759 | 754 | 740 | 742 | 733 | 723 | 710 | 710 | 710 | 721 | 731 | 733 | |
| 19 * | 759 | 755 | 756 | 761 | 762 | 765 | 765 | 760 | 751 | 741 | 733 | 730 | 731 | 733 | 737 | 745 | |
| 20 | 765 | 763 | 763 | 766 | 770 | 771 | 773 | 773 | 773 | 765 | 748 | 740 | 741 | 741 | 735 | 739 | |
| 21 | 773 | 751 | 755 | 759 | 776 | 771 | 763 | 746 | 742 | 732 | 723 | 712 | 705 | 707 | 716 | 717 | |
| 22 | 738 | 743 | 743 | 745 | 754 | 763 | 769 | 772 | 764 | 744 | 738 | 737 | 709 | 713 | 722 | 731 | |
| 23 | 686 | 701 | 707 | 720 | 743 | 755 | 750 | 745 | 741 | 735 | 708 | 685 | 681 | 704 | 712 | 714 | |
| 24 | 742 | 743 | 746 | 749 | 755 | 761 | 760 | 759 | 751 | 743 | 735 | 723 | 729 | 729 | 727 | 731 | |
| 25 | 743 | 745 | 749 | 746 | 751 | 753 | 754 | 750 | 751 | 739 | 733 | 733 | 739 | 696 | 708 | 755 | |
| 26 * | 771 | 762 | 750 | 742 | 746 | 751 | 751 | 751 | 746 | 744 | 735 | 729 | 731 | 734 | 743 | 751 | |
| 27 | 765 | 762 | 757 | 757 | 755 | 756 | 760 | 763 | 758 | 753 | 742 | 740 | 743 | 749 | 753 | 761 | |
| 28 | 700 | 710 | 724 | 729 | 725 | 740 | 753 | 751 | 749 | 752 | 752 | 751 | 743 | 743 | 750 | 755 | |
| 29 | 762 | 762 | 758 | 754 | 754 | 752 | 753 | 762 | 768 | 765 | 758 | 755 | 753 | 755 | 761 | 766 | |
| 30 | 759 | 763 | 760 | 753 | 760 | 765 | 763 | 762 | 761 | 761 | 756 | 755 | 752 | 748 | 751 | 755 | |
| Mean | 746 | 743 | 748 | 749 | 753 | 754 | 755 | 752 | 742 | 733 | 726 | 719 | 719 | 724 | 729 | 738 | |
| Mean * | 769 | 764 | 762 | 761 | 763 | 764 | 765 | 764 | 754 | 745 | 732 | 725 | 727 | 736 | 744 | 754 | |
| Mean ** | 712 | 709 | 731 | 733 | 740 | 730 | 731 | 723 | 694 | 677 | 688 | 677 | 677 | 687 | 692 | 709 | |
| DECEMBER | | | | | | 18000 γ + Tabular Quantities (in γ) | | | | | | | | | | | |
| 1 | 764 | 763 | 763 | 765 | 767 | 769 | 766 | 763 | 761 | 756 | 749 | 749 | 752 | 757 | 753 | 755 | |
| 2 | 765 | 785 | 769 | 763 | 756 | 755 | 763 | 772 | 765 | 756 | 745 | 743 | 744 | 751 | 755 | 760 | |
| 3 | 765 | 763 | 761 | 761 | 763 | 764 | 767 | 770 | 773 | 770 | 765 | 747 | 745 | 748 | 745 | 745 | |
| 4 | 771 | 774 | 786 | 775 | 770 | 769 | 772 | 766 | 765 | 756 | 755 | 754 | 752 | 752 | 753 | 759 | |
| 5 | 770 | 775 | 767 | 770 | 771 | 769 | 771 | 765 | 766 | 770 | 764 | 757 | 754 | 749 | 752 | 750 | |
| 6 | 766 | 765 | 769 | 773 | 773 | 777 | 773 | 765 | 765 | 763 | 757 | 757 | 753 | 754 | 745 | 735 | |
| 7 | 757 | 756 | 761 | 762 | 771 | 782 | 792 | 795 | 789 | 781 | 773 | 763 | 761 | 755 | 763 | 770 | |
| 8 | 779 | 767 | 765 | 765 | 772 | 776 | 781 | 773 | 777 | 760 | 741 | 740 | 740 | 743 | 748 | 756 | |
| 9 | 764 | 765 | 765 | 771 | 779 | 776 | 781 | 776 | 773 | 765 | 757 | 751 | 751 | 746 | 745 | 755 | |
| 10 ** | 755 | 760 | 758 | 778 | 798 | 785 | 782 | 777 | 777 | 774 | 758 | 735 | 726 | 734 | 743 | 739 | |
| 11 * | 744 | 743 | 743 | 744 | 751 | 757 | 761 | 762 | 761 | 755 | 746 | 736 | 734 | 742 | 750 | 757 | |
| 12 | 764 | 764 | 766 | 771 | 770 | 772 | 776 | 774 | 773 | 761 | 752 | 748 | 751 | 756 | 760 | 766 | |
| 13 ** | 742 | 744 | 757 | 756 | 757 | 759 | 761 | 759 | 738 | 746 | 750 | 734 | 720 | 719 | 722 | 737 | |
| 14 | 752 | 758 | 762 | 764 | 766 | 760 | 767 | 772 | 766 | 754 | 740 | 736 | 742 | 746 | 747 | 751 | |
| 15 * | 764 | 764 | 764 | 764 | 768 | 768 | 771 | 773 | 765 | 754 | 745 | 740 | 741 | 741 | 743 | 750 | |
| 16 * | 767 | 766 | 769 | 765 | 767 | 771 | 774 | 773 | 764 | 754 | 743 | 736 | 743 | 748 | 752 | 755 | |
| 17 * | 772 | 772 | 772 | 773 | 776 | 776 | 776 | 774 | 772 | 756 | 750 | 747 | 747 | 754 | 755 | 761 | |
| 18 | 775 | 775 | 778 | 782 | 784 | 787 | 784 | 779 | 776 | 765 | 754 | 754 | 757 | 764 | 751 | 753 | |
| 19 | 782 | 782 | 780 | 782 | 783 | 784 | 786 | 784 | 774 | 764 | 753 | 744 | 747 | 755 | 758 | 767 | |
| 20 | 777 | 772 | 774 | 776 | 780 | 783 | 784 | 782 | 777 | 769 | 764 | 755 | 750 | 751 | 751 | 756 | |
| 21 * | 775 | 774 | 774 | 776 | 778 | 781 | 784 | 786 | 786 | 777 | 773 | 770 | 766 | 764 | 771 | 778 | |
| 22 | 779 | 778 | 777 | 774 | 774 | 784 | 780 | 781 | 781 | 774 | 768 | 758 | 753 | 744 | 749 | 762 | |
| 23 | 777 | 775 | 776 | 777 | 777 | 782 | 783 | 784 | 784 | 783 | 773 | 754 | 754 | 760 | 764 | 768 | |
| 24 | 764 | 766 | 778 | 774 | 772 | 776 | 779 | 782 | 786 | 787 | 776 | 769 | 764 | 765 | 767 | 772 | |
| 25 ** | 774 | 772 | 768 | 770 | 771 | 773 | 776 | 773 | 776 | 771 | 773 | 771 | 743 | 741 | 753 | 755 | |
| 26 | 764 | 776 | 762 | 753 | 761 | 781 | 781 | 765 | 744 | 747 | 746 | 737 | 744 | 744 | 746 | 757 | |
| 27 | 771 | 771 | 768 | 767 | 766 | 766 | 766 | 771 | 766 | 759 | 749 | 744 | 744 | 748 | 750 | 754 | |
| 28 ** | 754 | 753 | 762 | 752 | 752 | 756 | 768 | 771 | 770 | 766 | 766 | 758 | 748 | 732 | 726 | 737 | |
| 29 | 766 | 784 | 783 | 755 | 752 | 757 | 763 | 762 | 762 | 756 | 749 | 745 | 744 | 744 | 743 | 746 | |
| 30 ** | 772 | 774 | 774 | 770 | 771 | 774 | 780 | 779 | 786 | 779 | 764 | 742 | 747 | 752 | 752 | 747 | |
| 31 | 765 | 764 | 763 | 763 | 764 | 765 | 769 | 770 | 773 | 774 | 766 | 759 | 754 | 756 | 762 | 765 | |
| Mean | 766 | 768 | 768 | 767 | 770 | 772 | 775 | 773 | 771 | 765 | 757 | 749 | 747 | 749 | 751 | 755 | |
| Mean * | 764 | 764 | 764 | 764 | 768 | 771 | 773 | 774 | 770 | 759 | 751 | 746 | 746 | 750 | 754 | 760 | |
| Mean ** | 759 | 761 | 764 | 765 | 770 | 769 | 773 | 772 | 769 | 767 | 762 | 748 | 737 | 736 | 739 | 743 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum | | | Minimum | | | Range | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 18000 γ + Tabular Quantities (in γ) | | | | | | | | NOVEMBER |
| | | | | | | | | | | h | m | | | h | m | γ | |
| 742 | 755 | 768 | 771 | 774 | 766 | 769 | 767 | 757 | | 0 | 16 | 780 | 724 | 16 | 48 | 56 | 1 |
| 763 | 774 | 775 | 774 | 773 | 775 | 772 | 763 | 767 | | 21 | 27 | 788 | 729 | 10 | 46 | 59 | 2 |
| 754 | 763 | 760 | 773 | 760 | 766 | 774 | 771 | 755 | | 0 | 27 | 798 | 706 | 10 | 26 | 92 | 3 |
| 757 | 769 | 769 | 769 | 772 | 772 | 770 | 781 | 756 | | 23 | 15 | 789 | 707 | 11 | 30 | 82 | 4 |
| 769 | 772 | 771 | 774 | 775 | 783 | 773 | 765 | 762 | | 0 | 1 | 786 | 720 | 11 | 39 | 66 | 5 * |
| 754 | 754 | 764 | 770 | 764 | 757 | 766 | 769 | 760 | | 6 | 37 | 780 | 715 | 11 | 49 | 65 | 6 |
| 760 | 764 | 769 | 764 | 773 | 772 | 770 | 769 | 756 | | 0 | 4 | 780 | 702 | 11 | 57 | 78 | 7 * |
| 764 | 771 | 772 | 773 | 774 | 775 | 775 | 772 | 762 | | 20 | 23 | 782 | 719 | 12 | 29 | 63 | 8 * |
| 760 | 772 | 769 | 765 | 786 | 781 | 792 | 776 | 765 | | 20 | 34 | 861† | 725 | 11 | 35 | 136 | 9 |
| 725 | 723 | 704 | 691 | 721 | 730 | 745 | 733 | 728 | | 2 | 57 | 790 | 656 | 14 | 13 | 134 | 10 ** |
| 720 | 721 | 723 | 722 | 735 | 730 | 705 | 715 | 693 | | 24 | 0 | 772 | 622 | 10 | 14 | 150 | 11 ** |
| 701 | 695 | 679 | 692 | 712 | 725 | 725 | 735 | 710 | | 0 | 3 | 789 | 646 | 13 | 0 | 143 | 12 |
| 733 | 737 | 743 | 745 | 752 | 755 | 753 | 762 | 727 | | 23 | 1 | 772 | 687 | 12 | 58 | 85 | 13 |
| 746 | 724 | 740 | 737 | 718 | 683 | 681 | 643 | 728 | | 6 | 27 | 799 | 612 | 23 | 40 | 187 | 14 ** |
| 718 | 726 | 717 | 715 | 724 | 731 | 726 | 723 | 685 | | 21 | 58 | 747 | 535† | 8 | 11 | 212 | 15 ** |
| 719 | 730 | 729 | 749 | 743 | 744 | 740 | 735 | 726 | | 19 | 46 | 812 | 674 | 9 | 57 | 138 | 16 ** |
| 716 | 723 | 721 | 729 | 731 | 734 | 721 | 723 | 734 | | 3 | 29 | 755 | 695 | 16 | 32 | 60 | 17 |
| 743 | 744 | 743 | 743 | 755 | 758 | 758 | 760 | 738 | | 5 | 11 | 769 | 703 | 11 | 39 | 66 | 18 |
| 751 | 757 | 761 | 763 | 765 | 768 | 766 | 766 | 753 | | 6 | 30 | 769 | 724 | 12 | 32 | 45 | 19 * |
| 739 | 752 | 740 | 754 | 750 | 755 | 763 | 763 | 756 | | 6 | 50 | 781 | 720 | 15 | 3 | 61 | 20 |
| 733 | 740 | 741 | 743 | 747 | 746 | 737 | 740 | 741 | | 0 | 30 | 791 | 693 | 12 | 49 | 98 | 21 |
| 724 | 702 | 701 | 724 | 727 | 706 | 716 | 733 | 734 | | 7 | 10 | 778 | 686 | 18 | 43 | 92 | 22 |
| 714 | 705 | 721 | 731 | 740 | 737 | 742 | 745 | 722 | | 5 | 37 | 763 | 673 | 0 | 14 | 90 | 23 |
| 742 | 724 | 709 | 736 | 743 | 740 | 743 | 742 | 740 | | 5 | 47 | 764 | 702 | 18 | 29 | 62 | 24 |
| 763 | 743 | 752 | 763 | 762 | 763 | 770 | 757 | 747 | | 22 | 27 | 777 | 602 | 13 | 48 | 175 | 25 |
| 754 | 761 | 767 | 769 | 772 | 772 | 770 | 770 | 753 | | 0 | 15 | 780 | 725 | 11 | 46 | 55 | 26 * |
| 765 | 770 | 775 | 771 | 750 | 721 | 729 | 730 | 754 | | 19 | 8 | 786 | 703 | 23 | 53 | 83 | 27 |
| 763 | 766 | 774 | 763 | 765 | 765 | 763 | 761 | 748 | | 18 | 23 | 783 | 682 | 0 | 33 | 101 | 28 |
| 767 | 773 | 735 | 752 | 756 | 760 | 752 | 757 | 758 | | 17 | 27 | 781 | 721 | 18 | 43 | 60 | 29 |
| 761 | 765 | 766 | 771 | 766 | 765 | 764 | 768 | 760 | | 21 | 55 | 781 | 742 | 14 | 20 | 39 | 30 |
| 744 | 746 | 745 | 750 | 753 | 751 | 751 | 750 | 743 | | - | | 783 | 688 | - | | 94.4 | Mean |
| 760 | 765 | 768 | 769 | 772 | 774 | 771 | 768 | 757 | | - | | 779 | 718 | - | | 61.4 | Mean * |
| 726 | 725 | 723 | 723 | 728 | 724 | 719 | 710 | 712 | | - | | 784 | 620 | - | | 164.2 | Mean ** |
| | | | | | | | | | 18000 γ + Tabular Quantities (in γ) | | | | | | | | DECEMBER |
| | | | | | | | | | | h | m | | | h | m | γ | |
| 763 | 766 | 771 | 773 | 769 | 766 | 772 | 773 | 763 | | 20 | 6 | 785 | 740 | 11 | 40 | 45 | 1 |
| 751 | 760 | 751 | 766 | 753 | 763 | 766 | 771 | 760 | | 1 | 11 | 800 | 730 | 11 | 36 | 70 | 2 |
| 761 | 762 | 766 | 771 | 759 | 769 | 763 | 768 | 761 | | 7 | 59 | 780 | 737 | 12 | 25 | 43 | 3 |
| 761 | 760 | 760 | 767 | 774 | 773 | 775 | 770 | 765 | | 2 | 49 | 794 | 746 | 16 | 51 | 48 | 4 |
| 751 | 749 | 757 | 765 | 765 | 766 | 768 | 768 | 763 | | 1 | 35 | 780 | 731 | 17 | 3 | 49 | 5 |
| 753 | 760 | 759 | 754 | 763 | 756 | 762 | 765 | 761 | | 20 | 44 | 794 | 725 | 15 | 29 | 69 | 6 |
| 761 | 746 | 760 | 761 | 765 | 777 | 773 | 785 | 769 | | 6 | 59 | 799 | 737 | 17 | 21 | 62 | 7 |
| 761 | 763 | 763 | 759 | 753 | 759 | 763 | 764 | 761 | | 0 | 0 | 789 | 733 | 12 | 58 | 56 | 8 |
| 763 | 765 | 773 | 769 | 755 | 757 | 762 | 752 | 763 | | 6 | 18 | 782 | 741 | 14 | 4 | 41 | 9 |
| 747 | 757 | 761 | 764 | 768 | 764 | 744 | 744 | 760 | | 4 | 5 | 811 | 713 | 11 | 59 | 98 | 10 ** |
| 764 | 768 | 770 | 770 | 766 | 764 | 765 | 766 | 755 | | 19 | 22 | 779 | 729 | 12 | 37 | 50 | 11 * |
| 762 | 747 | 730 | 716 | 712 | 720 | 719 | 732 | 753 | | 7 | 50 | 778 | 696 | 20 | 11 | 82 | 12 |
| 745 | 763 | 765 | 760 | 744 | 751 | 756 | 760 | 748 | | 18 | 32 | 775 | 693 | 14 | 21 | 82 | 13 ** |
| 761 | 762 | 762 | 766 | 762 | 758 | 758 | 763 | 757 | | 7 | 10 | 778 | 731 | 11 | 14 | 47 | 14 |
| 757 | 764 | 765 | 764 | 765 | 768 | 767 | 767 | 760 | | 7 | 20 | 775 | 734 | 12 | 16 | 41 | 15 * |
| 760 | 766 | 770 | 770 | 772 | 767 | 766 | 766 | 762 | | 6 | 30 | 777 | 731 | 11 | 23 | 46 | 16 * |
| 764 | 771 | 776 | 775 | 777 | 780 | 777 | 777 | 768 | | 21 | 3 | 783 | 743 | 12 | 27 | 40 | 17 * |
| 754 | 762 | 766 | 771 | 772 | 776 | 778 | 779 | 770 | | 5 | 51 | 791 | 747 | 14 | 57 | 44 | 18 |
| 774 | 772 | 764 | 767 | 773 | 771 | 772 | 776 | 771 | | 6 | 41 | 792 | 739 | 11 | 44 | 53 | 19 |
| 760 | 765 | 770 | 771 | 770 | 775 | 775 | 774 | 769 | | 6 | 36 | 789 | 748 | 14 | 20 | 41 | 20 |
| 784 | 785 | 784 | 777 | 777 | 774 | 776 | 780 | 777 | | 8 | 7 | 791 | 761 | 13 | 50 | 30 | 21 * |
| 770 | 776 | 776 | 781 | 782 | 782 | 782 | 782 | 773 | | 8 | 51 | 787 | 739 | 13 | 42 | 48 | 22 |
| 777 | 781 | 782 | 781 | 776 | 771 | 764 | 764 | 774 | | 8 | 58 | 788 | 748 | 11 | 40 | 40 | 23 |
| 774 | 779 | 780 | 772 | 774 | 781 | 782 | 776 | 775 | | 8 | 51 | 796 | 757 | 12 | 20 | 39 | 24 |
| 764 | 764 | 756 | 753 | 771 | 739 | 756 | 766 | 764 | | 10 | 56 | 790 | 691† | 21 | 37 | 99 | 25 ** |
| 764 | 766 | 767 | 772 | 772 | 774 | 774 | 773 | 761 | | 5 | 50 | 787 | 734 | 11 | 39 | 53 | 26 |
| 763 | 755 | 755 | 737 | 731 | 754 | 753 | 749 | 757 | | 21 | 43 | 784 | 705 | 19 | 59 | 79 | 27 |
| 752 | 739 | 759 | 763 | 777 | 774 | 765 | 767 | 757 | | 6 | 20 | 795 | 713 | 14 | 49 | 82 | 28 ** |
| 752 | 763 | 766 | 769 | 773 | 773 | 779 | 775 | 761 | | 2 | 28 | 812† | 735 | 13 | 24 | 77 | 29 |
| 755 | 762 | 764 | 768 | 763 | 761 | 764 | 770 | 765 | | 8 | 7 | 795 | 718 | 11 | 42 | 77 | 30 ** |
| 769 | 774 | 776 | 777 | 781 | 778 | 777 | 775 | 768 | | 19 | 22 | 783 | 748 | 12 | 50 | 35 | 31 |
| 761 | 764 | 765 | 765 | 765 | 766 | 766 | 768 | 764 | | - | | 788 | 731 | - | | 57.0 | Mean |
| 766 | 771 | 773 | 771 | 771 | 771 | 770 | 771 | 764 | | - | | 781 | 740 | - | | 41.4 | Mean * |
| 753 | 757 | 761 | 762 | 765 | 758 | 757 | 761 | 759 | | - | | 793 | 706 | - | | 87.6 | Mean ** |

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

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

| U.T. | $0^h$ | $1^h$ | $2^h$ | $3^h$ | $4^h$ | $5^h$ | $6^h$ | $7^h$ | $8^h$ | $9^h$ | $10^h$ | $11^h$ | $12^h$ | $13^h$ | $14^h$ | $15^h$ | $16^h$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **JANUARY** | 43000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 359 | 355 | 354 | 356 | 357 | 357 | 358 | 357 | 358 | 353 | 347 | 348 | 347 | 347 | 352 | 359 | |
| 2 | 365 | 363 | 363 | 365 | 364 | 366 | 364 | 365 | 367 | 363 | 359 | 358 | 358 | 363 | 364 | 369 | |
| 3 | 359 | 362 | 362 | 359 | 358 | 360 | 361 | 363 | 364 | 360 | 358 | 355 | 352 | 352 | 357 | 360 | |
| 4 | 355 | 357 | 359 | 360 | 361 | 358 | 358 | 358 | 360 | 358 | 360 | 356 | 357 | 358 | 363 | 364 | |
| 5 | 358 | 357 | 357 | 358 | 358 | 361 | 362 | 361 | 360 | 357 | 358 | 358 | 355 | 357 | 358 | 359 | |
| 6 | 364 | 354 | 354 | 357 | 357 | 358 | 358 | 359 | 359 | 356 | 354 | 351 | 351 | 357 | 364 | 369 | |
| 7 | 365 | 365 | 365 | 364 | 364 | 362 | 362 | 362 | 363 | 363 | 363 | 357 | 355 | 361 | 365 | 368 | |
| 8 * | 355 | 360 | 362 | 362 | 361 | 361 | 362 | 362 | 361 | 359 | 361 | 357 | 355 | 359 | 362 | 364 | |
| 9 | 361 | 363 | 364 | 360 | 355 | 354 | 354 | 356 | 363 | 364 | 364 | 361 | 360 | 365 | 368 | 373 | |
| 10 | 362 | 364 | 364 | 363 | 361 | 356 | 354 | 355 | 358 | 362 | 365 | 363 | 364 | 371 | 376 | 395 | |
| 11 ** | 355 | 336 | 333 | 342 | 351 | 350 | 352 | 354 | 358 | 363 | 365 | 370 | 375 | 386 | 396 | 403 | |
| 12 | 372 | 372 | 368 | 367 | 366 | 364 | 363 | 364 | 368 | 365 | 367 | 364 | 363 | 367 | 370 | 375 | |
| 13 | 366 | 362 | 364 | 365 | 366 | 366 | 365 | 367 | 369 | 368 | 368 | 363 | 364 | 365 | 369 | 369 | |
| 14 | 370 | 371 | 370 | 371 | 370 | 368 | 368 | 368 | 368 | 365 | 363 | 358 | 355 | 357 | 362 | 368 | |
| 15 * | 365 | 365 | 366 | 367 | 366 | 365 | 364 | 362 | 359 | 358 | 361 | 362 | 362 | 364 | 367 | 365 | |
| 16 * | 363 | 362 | 363 | 364 | 364 | 364 | 362 | 363 | 363 | 361 | 361 | 359 | 355 | 356 | 364 | 364 | |
| 17 | 363 | 363 | 362 | 363 | 362 | 363 | 362 | 362 | 364 | 367 | 365 | 366 | 364 | 364 | 368 | 369 | |
| 18 ** | 354 | 347 | 352 | 339 | 344 | 343 | 348 | 349 | 350 | 355 | 361 | 359 | 362 | 364 | 371 | 367 | |
| 19 ** | 339 | 355 | 362 | 364 | 363 | 356 | 360 | 363 | 362 | 363 | 367 | 369 | 373 | 377 | 394 | 401 | |
| 20 * | 366 | 366 | 368 | 369 | 371 | 368 | 372 | 372 | 374 | 374 | 376 | 373 | 372 | 372 | 373 | 372 | |
| 21 | 363 | 364 | 365 | 365 | 364 | 364 | 363 | 365 | 366 | 365 | 366 | 364 | 364 | 365 | 367 | 367 | |
| 22 | 341 | 335 | 342 | 340 | 339 | 342 | 352 | 354 | 357 | 364 | 368 | 367 | 364 | 364 | 367 | 370 | |
| 23 | 364 | 366 | 365 | 365 | 364 | 362 | 361 | 363 | 370 | 370 | 366 | 361 | 357 | 362 | 365 | 366 | |
| 24 ** | 366 | 361 | 363 | 365 | 364 | 345 | 346 | 352 | 356 | 362 | 365 | 362 | 364 | 374 | 382 | 385 | |
| 25 | 353 | 346 | 343 | 359 | 365 | 360 | 355 | 356 | 364 | 366 | 371 | 372 | 368 | 371 | 374 | 375 | |
| 26 * | 371 | 372 | 370 | 368 | 367 | 365 | 363 | 362 | 364 | 360 | 361 | 359 | 360 | 362 | 364 | 366 | |
| 27 | 364 | 363 | 362 | 363 | 362 | 359 | 357 | 357 | 359 | 356 | 357 | 359 | 356 | 360 | 364 | 365 | |
| 28 ** | 380 | 363 | 365 | 364 | 364 | 340 | 345 | 352 | 354 | 354 | 361 | 364 | 366 | 373 | 380 | 381 | |
| 29 | 374 | 374 | 374 | 374 | 372 | 371 | 367 | 365 | 363 | 364 | 364 | 364 | 365 | 372 | 375 | 383 | |
| 30 | 363 | 361 | 365 | 365 | 369 | 365 | 363 | 363 | 361 | 361 | 363 | 364 | 363 | 368 | 374 | 383 | |
| 31 | 365 | 371 | 369 | 371 | 363 | 364 | 365 | 363 | 362 | 362 | 363 | 362 | 366 | 369 | 371 | 375 | |
| Mean | 362 | 360 | 361 | 362 | 362 | 359 | 360 | 360 | 362 | 362 | 363 | 361 | 361 | 365 | 369 | 373 | |
| Mean * | 364 | 365 | 366 | 366 | 366 | 365 | 365 | 364 | 364 | 362 | 364 | 362 | 361 | 363 | 366 | 366 | |
| Mean ** | 359 | 352 | 355 | 355 | 357 | 347 | 350 | 354 | 356 | 359 | 364 | 365 | 368 | 375 | 385 | 387 | |
| **FEBRUARY** | 43000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 365 | 364 | 364 | 363 | 364 | 365 | 367 | 367 | 366 | 368 | 364 | 363 | 362 | 364 | 373 | 377 | |
| 2 | 369 | 369 | 370 | 370 | 371 | 371 | 369 | 369 | 366 | 368 | 367 | 365 | 369 | 368 | 369 | 373 | |
| 3 | 368 | 373 | 371 | 369 | 365 | 363 | 363 | 367 | 366 | 363 | 365 | 364 | 363 | 367 | 369 | 369 | |
| 4 | 362 | 364 | 366 | 366 | 366 | 366 | 366 | 366 | 366 | 365 | 361 | 362 | 362 | 364 | 364 | 364 | |
| 5 | 366 | 367 | 366 | 366 | 365 | 365 | 365 | 364 | 364 | 363 | 363 | 363 | 364 | 362 | 365 | 367 | |
| 6 | 367 | 365 | 363 | 365 | 366 | 364 | 363 | 364 | 367 | 364 | 362 | 362 | 366 | 364 | 363 | 367 | |
| 7 * | 363 | 363 | 363 | 363 | 363 | 361 | 361 | 363 | 366 | 364 | 362 | 360 | 361 | 363 | 366 | 367 | |
| 8 * | 364 | 364 | 363 | 363 | 363 | 361 | 360 | 362 | 362 | 356 | 353 | 354 | 359 | 361 | 363 | 363 | |
| 9 * | 362 | 363 | 363 | 363 | 362 | 360 | 357 | 358 | 359 | 357 | 357 | 356 | 356 | 358 | 359 | 360 | |
| 10 * | 358 | 358 | 358 | 357 | 357 | 355 | 355 | 355 | 356 | 352 | 343 | 343 | 347 | 351 | 354 | 357 | |
| 11 ** | 364 | 364 | 355 | 357 | 357 | 356 | 354 | 354 | 355 | 353 | 343 | 344 | 352 | 354 | 360 | 364 | |
| 12 ** | 358 | 357 | 352 | 352 | 343 | 342 | 343 | 343 | 344 | 346 | 352 | 354 | 361 | 364 | 366 | 370 | |
| 13 | 366 | 370 | 371 | 370 | 369 | 368 | 365 | 364 | 362 | 359 | 354 | 354 | 359 | 365 | 368 | 372 | |
| 14 * | 364 | 364 | 363 | 362 | 364 | 364 | 363 | 363 | 364 | 362 | 359 | 358 | 355 | 355 | 361 | 363 | |
| 15 | 360 | 363 | 363 | 363 | 363 | 363 | 362 | 362 | 361 | 358 | 354 | 348 | 346 | 347 | 355 | 362 | |
| 16 | 357 | 357 | 360 | 360 | 347 | 345 | 352 | 355 | 361 | 357 | 347 | 344 | 347 | 357 | 366 | 374 | |
| 17 | 363 | 359 | 357 | 362 | 362 | 363 | 363 | 363 | 364 | 362 | 356 | 352 | 353 | 357 | 366 | 366 | |
| 18 | 363 | 363 | 364 | 364 | 363 | 362 | 360 | 360 | 362 | 361 | 354 | 346 | 345 | 346 | 354 | 363 | |
| 19 | 358 | 363 | 362 | 360 | 359 | 359 | 359 | 356 | 357 | 356 | 352 | 351 | 353 | 364 | 364 | 366 | |
| 20 | 360 | 362 | 362 | 362 | 362 | 360 | 361 | 363 | 366 | 364 | 356 | 349 | 346 | 355 | 364 | 367 | |
| 21 | 362 | 363 | 363 | 362 | 361 | 358 | 361 | 363 | 363 | 361 | 355 | 353 | 354 | 355 | 360 | 362 | |
| 22 | 360 | 356 | 355 | 355 | 355 | 354 | 355 | 362 | 363 | 363 | 356 | 349 | 347 | 351 | 355 | 360 | |
| 23 | 363 | 363 | 363 | 361 | 360 | 359 | 362 | 363 | 361 | 357 | 356 | 354 | 352 | 353 | 356 | 364 | |
| 24 | 364 | 364 | 363 | 363 | 362 | 361 | 361 | 363 | 363 | 359 | 355 | 353 | 353 | 352 | 355 | 361 | |
| 25 ** | 364 | 364 | 364 | 361 | 354 | 347 | 346 | 352 | 353 | 355 | 354 | 374 | 380 | 399 | 419 | 435 | |
| 26 | 388 | 384 | 388 | 388 | 388 | 386 | 384 | 384 | 381 | 380 | 372 | 374 | 378 | 386 | 383 | 384 | |
| 27 | 384 | 374 | 366 | 372 | 375 | 374 | 374 | 374 | 378 | 375 | 368 | 365 | 369 | 374 | 377 | 380 | |
| 28 ** | 367 | 374 | 374 | 358 | 364 | 368 | 368 | 368 | 368 | 364 | 361 | 359 | 362 | 366 | 374 | 383 | |
| 29 ** | 344 | 344 | 355 | 358 | 358 | 363 | 364 | 369 | 366 | 368 | 364 | 360 | 361 | 366 | 380 | 394 | |
| Mean | 364 | 364 | 364 | 363 | 362 | 361 | 361 | 363 | 363 | 361 | 357 | 356 | 358 | 362 | 366 | 371 | |
| Mean * | 362 | 362 | 362 | 362 | 362 | 360 | 359 | 360 | 361 | 358 | 355 | 354 | 356 | 358 | 361 | 362 | |
| Mean ** | 359 | 361 | 360 | 357 | 355 | 355 | 355 | 357 | 357 | 357 | 355 | 358 | 363 | 370 | 380 | 389 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

43000 γ + Tabular Quantities (in γ) — JANUARY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 373 | 375 | 373 | 371 | 372 | 373 | 374 | 372 | 360 | 16 48 | 381 | 346 | 13 4 | 35 | 1 | |
| 372 | 373 | 372 | 375 | 377 | 374 | 370 | 363 | 366 | 20 19 | 385 | 355 | 12 21 | 30 | 2 | |
| 363 | 365 | 368 | 367 | 369 | 369 | 359 | 356 | 361 | 18 29 | 376 | 347 | 12 35 | 29 | 3 | |
| 364 | 364 | 368 | 375 | 367 | 366 | 365 | 362 | 361 | 19 18 | 387 | 353 | 0 19 | 34 | 4 | |
| 361 | 362 | 364 | 369 | 365 | 368 | 367 | 364 | 361 | 19 19 | 373 | 352 | 12 40 | 21 | 5 | |
| 377 | 376 | 374 | 375 | 374 | 373 | 371 | 368 | 363 | 16 17 | 383 | 345 | 11 49 | 38 | 6 | |
| 374 | 374 | 371 | 371 | 370 | 369 | 364 | 362 | 365 | 16 42 | 382 | 352 | 12 13 | 30 | 7 | |
| 363 | 362 | 363 | 365 | 364 | 363 | 362 | 362 | 361 | 19 28 | 368 | 352 | 0 30 | 16 | 8 | * |
| 373 | 372 | 370 | 369 | 367 | 365 | 364 | 363 | 364 | 15 41 | 379 | 351 | 6 56 | 28 | 9 | |
| 402 | 403 | 404 | 388 | 379 | 375 | 373 | 364 | 372 | 18 22 | 417 | 351 | 7 3 | 66 | 10 | |
| 404 | 404 | 413 | 397 | 388 | 382 | 376 | 374 | 372 | 18 30 | 422 | 330 | 2 52 | 92 | 11 | ** |
| 382 | 387 | 404 | 424 | 402 | 392 | 383 | 374 | 376 | 19 49 | 435† | 359 | 7 17 | 76 | 12 | |
| 369 | 368 | 370 | 369 | 370 | 369 | 368 | 368 | 367 | 18 27 | 377 | 357 | 1 44 | 20 | 13 | |
| 370 | 370 | 371 | 373 | 371 | 368 | 366 | 366 | 367 | 19 19 | 377 | 352 | 12 38 | 25 | 14 | |
| 365 | 363 | 364 | 364 | 364 | 361 | 361 | 363 | 363 | 0 13 | 369 | 356 | 9 7 | 13 | 15 | * |
| 364 | 365 | 364 | 363 | 364 | 363 | 363 | 362 | 362 | 17 17 | 369 | 353 | 12 38 | 16 | 16 | * |
| 371 | 370 | 370 | 370 | 368 | 367 | 365 | 364 | 366 | 16 45 | 378 | 358 | 7 18 | 20 | 17 | |
| 373 | 373 | 374 | 385 | 396 | 374 | 370 | 356 | 361 | 20 19 | 405 | 334 | 3 35 | 71 | 18 | ** |
| 396 | 396 | 403 | 400 | 391 | 384 | 376 | 372 | 374 | 14 52 | 411 | 326† | 0 34 | 85 | 19 | ** |
| 372 | 371 | 372 | 371 | 372 | 371 | 367 | 364 | 371 | 10 20 | 381 | 365 | 1 19 | 16 | 20 | * |
| 372 | 371 | 370 | 369 | 370 | 369 | 366 | 363 | 366 | 16 45 | 378 | 350 | 24 0 | 28 | 21 | |
| 370 | 366 | 368 | 371 | 371 | 367 | 365 | 365 | 359 | 19 45 | 382 | 333 | 1 29 | 49 | 22 | |
| 365 | 366 | 367 | 371 | 385 | 387 | 369 | 372 | 367 | 22 1 | 396 | 357 | 6 6 | 39 | 23 | |
| 388 | 399 | 406 | 400 | 385 | 382 | 376 | 361 | 371 | 18 59 | 415 | 340 | 5 41 | 75 | 24 | ** |
| 374 | 374 | 374 | 380 | 382 | 380 | 376 | 373 | 367 | 20 46 | 386 | 338 | 2 16 | 48 | 25 | |
| 366 | 365 | 366 | 365 | 365 | 365 | 365 | 364 | 365 | 1 2 | 373 | 355 | 11 59 | 18 | 26 | * |
| 363 | 366 | 381 | 407 | 413 | 395 | 386 | 381 | 369 | 19 8 | 421 | 350 | 9 38 | 71 | 27 | |
| 380 | 377 | 376 | 381 | 377 | 374 | 374 | 374 | 367 | 15 9 | 390 | 329 | 5 31 | 61 | 28 | ** |
| 382 | 382 | 381 | 374 | 376 | 371 | 371 | 371 | 372 | 17 59 | 387 | 360 | 11 8 | 27 | 29 | |
| 385 | 386 | 380 | 381 | 375 | 374 | 371 | 367 | 370 | 17 23 | 394 | 355 | 0 43 | 39 | 30 | |
| 381 | 383 | 380 | 382 | 382 | 372 | 371 | 369 | 370 | 17 9 | 387 | 359 | 11 3 | 28 | 31 | |
| 375 | 375 | 377 | 378 | 376 | 373 | 369 | 366 | 366 | - | 389 | 349 | - | 40.1 | Mean | |
| 366 | 365 | 366 | 366 | 366 | 365 | 364 | 363 | 364 | - | 372 | 356 | - | 15.8 | Mean | * |
| 388 | 390 | 394 | 393 | 387 | 379 | 374 | 367 | 369 | - | 409 | 332 | - | 76.8 | Mean | ** |

43000 γ + Tabular Quantities (in γ) — FEBRUARY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 381 | 383 | 383 | 381 | 374 | 374 | 372 | 368 | 370 | 18 43 | 390 | 359 | 12 36 | 31 | 1 | |
| 374 | 382 | 384 | 379 | 381 | 376 | 374 | 371 | 372 | 18 33 | 390 | 364 | 8 40 | 26 | 2 | |
| 369 | 370 | 372 | 377 | 377 | 373 | 373 | 367 | 368 | 19 43 | 382 | 356 | 12 18 | 26 | 3 | |
| 368 | 369 | 368 | 370 | 371 | 373 | 369 | 368 | 366 | 21 23 | 380 | 357 | 11 33 | 23 | 4 | |
| 367 | 366 | 367 | 370 | 371 | 366 | 368 | 367 | 366 | 20 26 | 377 | 360 | 9 57 | 17 | 5 | |
| 368 | 368 | 369 | 368 | 367 | 366 | 365 | 364 | 365 | 18 25 | 373 | 356 | 10 56 | 17 | 6 | |
| 365 | 366 | 365 | 364 | 366 | 366 | 368 | 367 | 364 | 22 23 | 372 | 357 | 11 3 | 15 | 7 | * |
| 363 | 363 | 363 | 362 | 363 | 363 | 363 | 361 | 361 | 16 43 | 368 | 347 | 11 7 | 21 | 8 | * |
| 362 | 361 | 361 | 361 | 363 | 362 | 360 | 360 | 360 | 16 35 | 365 | 354 | 1 19 | 11 | 9 | * |
| 359 | 361 | 362 | 363 | 364 | 363 | 363 | 363 | 356 | 20 20 | 367 | 338 | 11 4 | 29 | 10 | * |
| 368 | 368 | 372 | 373 | 383 | 376 | 362 | 364 | 361 | 21 9 | 395 | 339 | 10 40 | 56 | 11 | ** |
| 370 | 367 | 367 | 366 | 366 | 365 | 365 | 364 | 357 | 15 53 | 374 | 338 | 4 23 | 36 | 12 | ** |
| 370 | 370 | 369 | 368 | 366 | 366 | 366 | 364 | 366 | 15 0 | 375 | 349 | 10 58 | 26 | 13 | |
| 364 | 366 | 365 | 365 | 364 | 364 | 362 | 361 | 362 | 17 20 | 370 | 352 | 13 28 | 18 | 14 | * |
| 364 | 364 | 364 | 365 | 369 | 372 | 369 | 363 | 361 | 21 47 | 374 | 344 | 12 36 | 30 | 15 | |
| 382 | 388 | 389 | 383 | 384 | 377 | 370 | 364 | 363 | 17 53 | 396 | 340 | 11 15 | 56 | 16 | |
| 366 | 366 | 366 | 366 | 366 | 365 | 364 | 362 | 362 | 17 23 | 371 | 348 | 11 32 | 23 | 17 | |
| 366 | 367 | 366 | 365 | 365 | 365 | 363 | 361 | 360 | 16 18 | 371 | 343 | 12 56 | 28 | 18 | |
| 367 | 366 | 366 | 366 | 368 | 366 | 366 | 364 | 361 | 14 48 | 373 | 347 | 11 16 | 26 | 19 | |
| 366 | 366 | 366 | 365 | 365 | 364 | 364 | 361 | 362 | 15 21 | 373 | 344 | 12 30 | 29 | 20 | |
| 365 | 364 | 364 | 365 | 364 | 363 | 362 | 362 | 361 | 20 6 | 373 | 351 | 11 32 | 22 | 21 | |
| 362 | 362 | 364 | 365 | 365 | 364 | 364 | 363 | 359 | 0 20 | 370 | 343 | 12 17 | 27 | 22 | |
| 371 | 374 | 374 | 373 | 370 | 366 | 365 | 364 | 363 | 17 20 | 378 | 349 | 12 40 | 29 | 23 | |
| 363 | 362 | 364 | 365 | 364 | 363 | 361 | 361 | 361 | 19 29 | 368 | 348 | 14 2 | 20 | 24 | |
| 504 | 488 | 459 | 448 | 454 | 416 | 401 | 395 | 395 | 16 32 | 527† | 333 | 10 40 | 194 | 25 | ** |
| 386 | 384 | 381 | 380 | 385 | 392 | 389 | 387 | 384 | 21 46 | 395 | 369 | 10 38 | 26 | 26 | |
| 381 | 378 | 379 | 385 | 391 | 384 | 380 | 368 | 376 | 20 10 | 396 | 361 | 11 34 | 35 | 27 | |
| 389 | 394 | 395 | 392 | 384 | 384 | 374 | 365 | 373 | 18 50 | 405 | 352 | 3 32 | 53 | 28 | ** |
| 417 | 413 | 393 | 384 | 385 | 387 | 383 | 366 | 373 | 17 21 | 423 | 331† | 0 54 | 92 | 29 | ** |
| 376 | 376 | 374 | 374 | 374 | 372 | 369 | 366 | 366 | - | 385 | 349 | - | 35.9 | Mean | |
| 363 | 363 | 363 | 363 | 364 | 364 | 363 | 362 | 361 | - | 368 | 350 | - | 18.8 | Mean | * |
| 410 | 406 | 397 | 393 | 394 | 386 | 377 | 371 | 372 | - | 425 | 339 | - | 86.2 | Mean | ** |

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

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

| U.T. | $0^h$ | $1^h$ | $2^h$ | $3^h$ | $4^h$ | $5^h$ | $6^h$ | $7^h$ | $8^h$ | $9^h$ | $10^h$ | $11^h$ | $12^h$ | $13^h$ | $14^h$ | $15^h$ | $16^h$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MARCH** | 43000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 366 | 373 | 374 | 374 | 374 | 371 | 369 | 366 | 368 | 363 | 356 | 360 | 363 | 364 | 368 | 373 | |
| 2 | 373 | 371 | 373 | 372 | 373 | 368 | 358 | 357 | 362 | 359 | 355 | 355 | 365 | 370 | 374 | 380 | |
| 3 ** | 371 | 370 | 368 | 373 | 361 | 359 | 352 | 348 | 349 | 341 | 345 | 364 | 384 | 406 | 422 | 446 | |
| 4 | 373 | 374 | 384 | 387 | 386 | 382 | 382 | 384 | 383 | 376 | 372 | 368 | 377 | 383 | 393 | 397 | |
| 5 | 379 | 382 | 381 | 381 | 381 | 377 | 374 | 378 | 382 | 382 | 377 | 375 | 376 | 376 | 382 | 384 | |
| 6 | 385 | 384 | 379 | 377 | 379 | 376 | 377 | 381 | 381 | 377 | 373 | 367 | 367 | 370 | 376 | 381 | |
| 7 * | 380 | 378 | 377 | 377 | 377 | 377 | 377 | 380 | 380 | 376 | 371 | 365 | 364 | 365 | 373 | 379 | |
| 8 * | 374 | 375 | 375 | 375 | 374 | 374 | 375 | 377 | 376 | 372 | 364 | 354 | 352 | 354 | 361 | 367 | |
| 9 * | 372 | 373 | 373 | 372 | 372 | 371 | 366 | 366 | 364 | 364 | 358 | 353 | 353 | 355 | 363 | 368 | |
| 10 | 370 | 368 | 367 | 367 | 367 | 364 | 360 | 364 | 363 | 356 | 353 | 343 | 340 | 345 | 352 | 362 | |
| 11 | 355 | 358 | 360 | 369 | 375 | 380 | 380 | 374 | 375 | 373 | 369 | 364 | 365 | 366 | 369 | 374 | |
| 12 | 378 | 378 | 378 | 378 | 377 | 374 | 374 | 379 | 376 | 370 | 364 | 363 | 365 | 368 | 368 | 370 | |
| 13 | 378 | 377 | 375 | 373 | 369 | 368 | 368 | 367 | 368 | 367 | 364 | 364 | 364 | 365 | 368 | 368 | |
| 14 | 361 | 364 | 368 | 368 | 368 | 370 | 372 | 374 | 374 | 368 | 361 | 354 | 349 | 363 | 370 | 374 | |
| 15 | 371 | 362 | 358 | 360 | 364 | 368 | 368 | 370 | 368 | 362 | 353 | 345 | 342 | 346 | 358 | 366 | |
| 16 | 371 | 371 | 372 | 371 | 372 | 371 | 372 | 374 | 374 | 368 | 362 | 353 | 348 | 354 | 359 | 368 | |
| 17 * | 370 | 370 | 369 | 370 | 370 | 370 | 371 | 372 | 371 | 361 | 349 | 344 | 345 | 353 | 360 | 366 | |
| 18 * | 368 | 367 | 367 | 368 | 369 | 369 | 371 | 372 | 371 | 363 | 353 | 344 | 343 | 345 | 356 | 367 | |
| 19 | 365 | 365 | 366 | 364 | 363 | 364 | 364 | 366 | 368 | 364 | 355 | 345 | 345 | 353 | 362 | 371 | |
| 20 | 356 | 357 | 361 | 363 | 364 | 366 | 370 | 373 | 369 | 364 | 355 | 351 | 351 | 354 | 362 | 364 | |
| 21 ** | 367 | 370 | 369 | 368 | 369 | 365 | 363 | 364 | 364 | 354 | 357 | 354 | 354 | 362 | 372 | 378 | |
| 22 ** | 341 | 319 | 306 | 307 | 324 | 344 | 345 | 354 | 364 | 364 | 365 | 364 | 370 | 373 | 376 | 375 | |
| 23 | 364 | 365 | 360 | 345 | 345 | 335 | 344 | 362 | 375 | 379 | 380 | 375 | 374 | 372 | 375 | 378 | |
| 24 ** | 377 | 378 | 378 | 376 | 374 | 374 | 375 | 379 | 376 | 371 | 360 | 354 | 353 | 366 | 381 | 409 | |
| 25 | 362 | 352 | 361 | 373 | 374 | 374 | 378 | 379 | 375 | 365 | 362 | 356 | 355 | 359 | 365 | 374 | |
| 26 | 373 | 375 | 377 | 376 | 373 | 374 | 374 | 374 | 366 | 364 | 364 | 362 | 359 | 366 | 376 | 383 | |
| 27 | 373 | 375 | 373 | 373 | 374 | 375 | 375 | 376 | 374 | 366 | 355 | 354 | 354 | 357 | 369 | 374 | |
| 28 | 381 | 383 | 372 | 365 | 370 | 372 | 371 | 372 | 366 | 363 | 357 | 359 | 362 | 365 | 374 | 380 | |
| 29 ** | 344 | 320 | 342 | 359 | 364 | 364 | 364 | 364 | 357 | 357 | 353 | 352 | 355 | 364 | 375 | 384 | |
| 30 | 378 | 377 | 378 | 379 | 376 | 374 | 374 | 376 | 374 | 365 | 364 | 356 | 354 | 356 | 364 | 371 | |
| 31 | 381 | 369 | 373 | 373 | 366 | 368 | 374 | 374 | 371 | 366 | 362 | 358 | 360 | 365 | 376 | 383 | |
| Mean | 370 | 368 | 368 | 369 | 369 | 369 | 369 | 371 | 370 | 366 | 361 | 357 | 358 | 363 | 371 | 378 | |
| Mean * | 373 | 373 | 372 | 372 | 372 | 372 | 372 | 373 | 372 | 367 | 359 | 352 | 351 | 354 | 363 | 369 | |
| Mean ** | 360 | 351 | 353 | 357 | 358 | 361 | 360 | 362 | 362 | 357 | 356 | 358 | 363 | 374 | 385 | 398 | |
| **APRIL** | 43000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 378 | 375 | 372 | 369 | 368 | 360 | 365 | 369 | 368 | 367 | 362 | 355 | 354 | 358 | 364 | 374 | |
| 2 | 378 | 378 | 377 | 376 | 376 | 375 | 379 | 382 | 376 | 367 | 354 | 352 | 358 | 364 | 360 | 380 | |
| 3 | 378 | 375 | 378 | 371 | 354 | 354 | 361 | 364 | 364 | 358 | 352 | 345 | 347 | 348 | 358 | 370 | |
| 4 | 376 | 374 | 369 | 368 | 360 | 362 | 359 | 363 | 358 | 355 | 354 | 348 | 348 | 353 | 360 | 370 | |
| 5 | 374 | 374 | 369 | 365 | 368 | 366 | 367 | 368 | 364 | 358 | 353 | 350 | 351 | 355 | 364 | 374 | |
| 6 | 373 | 373 | 371 | 370 | 370 | 369 | 370 | 372 | 372 | 367 | 357 | 351 | 348 | 355 | 367 | 373 | |
| 7 | 353 | 330 | 348 | 363 | 366 | 372 | 375 | 377 | 375 | 368 | 356 | 378 | 352 | 357 | 373 | 378 | |
| 8 | 371 | 367 | 369 | 370 | 371 | 373 | 374 | 374 | 369 | 361 | 351 | 348 | 348 | 350 | 360 | 368 | |
| 9 | 370 | 372 | 372 | 371 | 371 | 374 | 373 | 373 | 370 | 361 | 355 | 352 | 352 | 355 | 358 | 363 | |
| 10 | 372 | 373 | 372 | 372 | 372 | 374 | 374 | 371 | 363 | 351 | 348 | 340 | 335 | 343 | 359 | 375 | |
| 11 | 372 | 372 | 371 | 370 | 368 | 368 | 369 | 368 | 364 | 356 | 349 | 344 | 338 | 338 | 352 | 361 | |
| 12 | 366 | 359 | 355 | 362 | 367 | 370 | 370 | 370 | 363 | 354 | 346 | 344 | 345 | 352 | 362 | 372 | |
| 13 * | 369 | 370 | 371 | 368 | 365 | 370 | 373 | 373 | 366 | 361 | 351 | 343 | 341 | 348 | 360 | 368 | |
| 14 * | 365 | 366 | 367 | 368 | 369 | 370 | 370 | 371 | 366 | 354 | 344 | 334 | 333 | 340 | 351 | 355 | |
| 15 * | 363 | 365 | 365 | 366 | 368 | 369 | 366 | 364 | 355 | 346 | 338 | 334 | 336 | 345 | 354 | 364 | |
| 16 | 362 | 364 | 366 | 369 | 368 | 364 | 370 | 374 | 372 | 364 | 354 | 350 | 354 | 361 | 365 | 378 | |
| 17 | 368 | 356 | 355 | 363 | 350 | 359 | 371 | 377 | 374 | 368 | 364 | 357 | 355 | 360 | 372 | 388 | |
| 18 | 375 | 375 | 375 | 375 | 370 | 362 | 366 | 369 | 367 | 363 | 358 | 352 | 347 | 349 | 362 | 370 | |
| 19 | 366 | 364 | 366 | 367 | 369 | 365 | 365 | 368 | 366 | 356 | 349 | 347 | 350 | 356 | 367 | 376 | |
| 20 | 375 | 373 | 373 | 370 | 372 | 374 | 372 | 371 | 363 | 352 | 343 | 340 | 344 | 353 | 361 | 366 | |
| 21 ** | 378 | 375 | 374 | 368 | 364 | 367 | 365 | 365 | 358 | 351 | 340 | 339 | 342 | 345 | 345 | 360 | |
| 22 ** | 374 | 365 | 324 | 324 | 306 | 298 | 271 | 300 | 321 | 344 | 363 | 381 | 388 | 390 | 392 | 304 | |
| 23 | 391 | 387 | 381 | 374 | 381 | 380 | 382 | 380 | 374 | 364 | 359 | 355 | 354 | 361 | 370 | 378 | |
| 24 * | 379 | 382 | 383 | 382 | 379 | 379 | 376 | 373 | 371 | 368 | 356 | 349 | 347 | 355 | 365 | 373 | |
| 25 * | 374 | 372 | 366 | 371 | 372 | 373 | 375 | 374 | 367 | 353 | 343 | 342 | 345 | 354 | 365 | 373 | |
| 26 | 377 | 376 | 376 | 375 | 369 | 364 | 364 | 363 | 365 | 356 | 341 | 337 | 340 | 352 | 364 | 374 | |
| 27 ** | 294 | 270 | 211 | 132 | 234 | 270 | 306 | 311 | 312 | 339 | 385 | 430 | 460 | 502 | 494 | 510 | |
| 28 ** | 360 | 345 | 318 | 312 | 335 | 359 | 375 | 389 | 395 | 395 | 397 | 393 | 389 | 387 | 391 | 396 | |
| 29 | 369 | 358 | 348 | 359 | 362 | 353 | 358 | 362 | 362 | 354 | 355 | 359 | 356 | 364 | 376 | 382 | |
| 30 ** | 384 | 381 | 373 | 351 | 352 | 350 | 352 | 354 | 359 | 361 | 360 | 357 | 357 | 365 | 383 | 389 | |
| Mean | 369 | 366 | 361 | 357 | 360 | 361 | 364 | 366 | 364 | 359 | 355 | 354 | 354 | 361 | 369 | 375 | |
| Mean * | 370 | 371 | 370 | 371 | 371 | 372 | 372 | 371 | 365 | 356 | 346 | 340 | 340 | 348 | 359 | 367 | |
| Mean ** | 358 | 347 | 320 | 297 | 318 | 329 | 334 | 344 | 349 | 358 | 369 | 380 | 387 | 398 | 401 | 392 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

43000 γ + Tabular Quantities (in γ) MARCH

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 379 | 380 | 385 | 390 | 386 | 372 | 367 | 370 | | 371 | 19 28 | 392 | 352 | 10 36 | 40 | 1 | |
| 384 | 387 | 388 | 385 | 385 | 380 | 378 | 377 | | 372 | 18 1 | 395 | 351 | 11 4 | 44 | 2 | |
| 465 | 465 | 467 | 454 | 426 | 394 | 371 | 352 | | 390 | 18 22 | 525† | 328 | 9 47 | 197 | 3 | ** |
| 393 | 390 | 391 | 386 | 385 | 383 | 382 | 381 | | 383 | 14 59 | 407 | 365 | 11 7 | 42 | 4 | |
| 390 | 392 | 395 | 401 | 401 | 396 | 393 | 386 | | 384 | 19 29 | 405 | 372 | 6 48 | 33 | 5 | |
| 384 | 385 | 385 | 391 | 393 | 385 | 383 | 381 | | 380 | 19 48 | 398 | 365 | 13 22 | 33 | 6 | |
| 383 | 382 | 383 | 383 | 382 | 377 | 376 | 375 | | 377 | 18 25 | 387 | 361 | 12 33 | 26 | 7 | * |
| 374 | 373 | 372 | 373 | 373 | 373 | 373 | 373 | | 370 | 1 9 | 378 | 351 | 12 30 | 27 | 8 | * |
| 370 | 368 | 367 | 369 | 370 | 369 | 366 | 366 | | 366 | 1 10 | 375 | 348 | 12 8 | 27 | 9 | * |
| 370 | 372 | 373 | 378 | 389 | 393 | 384 | 373 | | 366 | 21 0 | 395 | 338 | 12 16 | 57 | 10 | |
| 376 | 374 | 373 | 374 | 375 | 376 | 376 | 370 | | 371 | 5 58 | 385 | 345 | 1 57 | 40 | 11 | |
| 374 | 373 | 374 | 375 | 380 | 381 | 378 | 378 | | 374 | 20 20 | 384 | 361 | 12 15 | 23 | 12 | |
| 378 | 375 | 374 | 374 | 374 | 376 | 374 | 364 | | 371 | 16 40 | 381 | 360 | 23 46 | 21 | 13 | |
| 379 | 379 | 378 | 378 | 377 | 376 | 375 | 374 | | 370 | 16 47 | 386 | 347 | 12 19 | 39 | 14 | |
| 374 | 378 | 376 | 374 | 372 | 370 | 370 | 371 | | 364 | 17 25 | 383 | 340 | 13 3 | 43 | 15 | |
| 373 | 372 | 370 | 371 | 373 | 374 | 374 | 371 | | 368 | 7 40 | 378 | 345 | 11 59 | 33 | 16 | |
| 371 | 370 | 369 | 372 | 372 | 371 | 367 | 366 | | 365 | 7 9 | 375 | 340 | 11 55 | 35 | 17 | * |
| 381 | 378 | 375 | 374 | 373 | 372 | 370 | 366 | | 366 | 16 49 | 386 | 340 | 12 34 | 46 | 18 | * |
| 376 | 375 | 375 | 373 | 372 | 372 | 366 | 355 | | 364 | 18 16 | 381 | 343 | 11 55 | 38 | 19 | |
| 367 | 366 | 366 | 365 | 366 | 366 | 365 | 366 | | 363 | 7 30 | 374 | 348 | 11 41 | 26 | 20 | |
| 397 | 402 | 414 | 412 | 400 | 394 | 381 | 356 | | 374 | 18 39 | 426 | 347 | 11 58 | 79 | 21 | ** |
| 376 | 390 | 393 | 394 | 396 | 393 | 365 | 353 | | 360 | 20 49 | 404 | 299† | 2 50 | 105 | 22 | ** |
| 381 | 379 | 378 | 381 | 380 | 380 | 378 | 377 | | 369 | 9 42 | 383 | 328 | 5 44 | 55 | 23 | |
| 424 | 410 | 401 | 398 | 395 | 385 | 371 | 370 | | 381 | 16 22 | 430 | 348 | 12 6 | 82 | 24 | ** |
| 382 | 391 | 394 | 388 | 385 | 384 | 376 | 372 | | 372 | 18 18 | 399 | 351 | 0 58 | 48 | 25 | |
| 383 | 383 | 384 | 385 | 385 | 374 | 367 | 370 | | 374 | 19 21 | 391 | 357 | 12 56 | 34 | 26 | |
| 384 | 395 | 401 | 394 | 392 | 392 | 385 | 382 | | 376 | 18 3 | 405 | 352 | 11 56 | 53 | 27 | |
| 385 | 396 | 403 | 394 | 393 | 377 | 362 | 346 | | 374 | 18 2 | 408 | 339 | 23 57 | 69 | 28 | |
| 396 | 404 | 404 | 388 | 383 | 381 | 380 | 374 | | 368 | 18 9 | 417 | 303 | 1 37 | 114 | 29 | ** |
| 375 | 380 | 393 | 402 | 403 | 394 | 384 | 377 | | 376 | 19 46 | 408 | 352 | 13 9 | 56 | 30 | |
| 389 | 393 | 392 | 388 | 385 | 384 | 383 | 382 | | 376 | 17 22 | 397 | 355 | 12 6 | 42 | 31 | |
| 384 | 386 | 387 | 386 | 385 | 380 | 375 | 370 | | 372 | - | 398 | 346 | - | 51.8 | Mean | |
| 376 | 374 | 373 | 374 | 374 | 372 | 370 | 369 | | 369 | - | 380 | 348 | - | 32.2 | Mean | * |
| 412 | 414 | 416 | 409 | 400 | 389 | 374 | 361 | | 375 | - | 440 | 325 | - | 115.4 | Mean | ** |

43000 γ + Tabular Quantities (in γ) APRIL

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 382 | 388 | 385 | 382 | 380 | 379 | 379 | 378 | | 371 | 17 48 | 392 | 351 | 12 12 | 41 | 1 | |
| 394 | 408 | 412 | 408 | 394 | 369 | 374 | 378 | | 378 | 18 49 | 418 | 349 | 11 40 | 69 | 2 | |
| 377 | 386 | 385 | 386 | 385 | 382 | 380 | 378 | | 368 | 18 0 | 393 | 343 | 13 14 | 50 | 3 | |
| 378 | 384 | 384 | 384 | 382 | 376 | 374 | 371 | | 367 | 18 36 | 391 | 345 | 12 17 | 46 | 4 | |
| 374 | 379 | 380 | 384 | 380 | 374 | 372 | 371 | | 368 | 19 47 | 390 | 348 | 11 6 | 42 | 5 | |
| 376 | 378 | 374 | 374 | 375 | 379 | 374 | 374 | | 369 | 17 20 | 385 | 344 | 11 58 | 41 | 6 | |
| 378 | 379 | 375 | 374 | 374 | 374 | 371 | 371 | | 367 | 15 30 | 387 | 316 | 1 15 | 71 | 7 | |
| 374 | 373 | 375 | 376 | 375 | 372 | 370 | 368 | | 367 | 19 38 | 381 | 344 | 12 51 | 37 | 8 | |
| 366 | 369 | 373 | 374 | 374 | 370 | 367 | 369 | | 367 | 21 4 | 379 | 348 | 11 7 | 31 | 9 | |
| 375 | 378 | 376 | 374 | 372 | 370 | 370 | 373 | | 366 | 17 20 | 383 | 334 | 12 36 | 49 | 10 | |
| 366 | 374 | 384 | 386 | 379 | 370 | 369 | 368 | | 365 | 18 48 | 391 | 334 | 12 51 | 57 | 11 | |
| 382 | 379 | 375 | 373 | 373 | 372 | 368 | 366 | | 364 | 16 46 | 386 | 340 | 11 11 | 46 | 12 | |
| 374 | 375 | 372 | 367 | 366 | 364 | 364 | 365 | | 364 | 16 40 | 379 | 336 | 11 55 | 43 | 13 | * |
| 367 | 372 | 369 | 370 | 368 | 365 | 364 | 363 | | 361 | 17 21 | 374 | 326 | 12 31 | 48 | 14 | * |
| 372 | 372 | 373 | 374 | 374 | 369 | 365 | 363 | | 361 | 19 43 | 381 | 331 | 11 54 | 50 | 15 | * |
| 395 | 409 | 410 | 406 | 399 | 389 | 382 | 376 | | 375 | 17 49 | 417 | 347 | 11 22 | 70 | 16 | |
| 391 | 394 | 396 | 395 | 388 | 378 | 374 | 375 | | 372 | 19 34 | 401 | 344 | 0 51 | 57 | 17 | |
| 375 | 376 | 374 | 373 | 374 | 375 | 372 | 370 | | 368 | 17 26 | 381 | 344 | 12 54 | 37 | 18 | |
| 389 | 393 | 390 | 384 | 380 | 378 | 377 | 375 | | 369 | 17 19 | 400 | 344 | 11 7 | 56 | 19 | |
| 370 | 373 | 374 | 377 | 378 | 378 | 379 | 380 | | 367 | 19 43 | 382 | 339 | 11 20 | 43 | 20 | |
| 367 | 380 | 405 | 428 | 446 | 413 | 355 | 360 | | 370 | 20 0 | 456 | 321 | 22 29 | 135 | 21 | ** |
| 401 | 405 | 407 | 408 | 397 | 391 | 390 | 385 | | 360 | 19 28 | 413 | 268 | 6 42 | 145 | 22 | ** |
| 382 | 384 | 383 | 383 | 383 | 382 | 381 | 377 | | 376 | 17 26 | 391 | 351 | 12 28 | 40 | 23 | |
| 378 | 379 | 381 | 381 | 380 | 378 | 377 | 375 | | 373 | 16 43 | 386 | 344 | 12 40 | 42 | 24 | * |
| 382 | 383 | 382 | 383 | 382 | 382 | 380 | 379 | | 370 | 16 54 | 389 | 338 | 11 4 | 51 | 25 | * |
| 382 | 389 | 393 | 397 | 393 | 378 | 334 | 323 | | 366 | 21 13 | 419 | 304 | 24 0 | 115 | 26 | |
| 509 | 495 | 466 | 416 | 411 | 407 | 401 | 375 | | 373 | 16 10 | 529† | 52† | 3 19 | 477 | 27 | ** |
| 393 | 396 | 401 | 402 | 400 | 399 | 397 | 389 | | 380 | 18 59 | 420 | 291 | 2 54 | 129 | 28 | ** |
| 386 | 392 | 392 | 391 | 388 | 387 | 386 | 388 | | 370 | 19 16 | 396 | 308 | 1 57 | 88 | 29 | |
| 396 | 415 | 436 | 421 | 403 | 395 | 383 | 377 | | 377 | 18 35 | 446 | 338 | 3 37 | 108 | 30 | ** |
| 384 | 389 | 389 | 388 | 385 | 380 | 374 | 372 | | 369 | - | 401 | 324 | - | 77.1 | Mean | |
| 375 | 376 | 375 | 375 | 374 | 372 | 370 | 369 | | 366 | - | 382 | 335 | - | 46.8 | Mean | * |
| 413 | 418 | 423 | 415 | 411 | 401 | 385 | 377 | | 372 | - | 453 | 254 | - | 198.8 | Mean | ** |

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

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

| U.T. | 0h | 1h | 2h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 11h | 12h | 13h | 14h | 15h | 16h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | 43000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 378 | 381 | 382 | 381 | 378 | 377 | 376 | 379 | 374 | 370 | 366 | 363 | 371 | 379 | 381 | 389 | |
| 2 * | 384 | 384 | 384 | 386 | 386 | 386 | 384 | 382 | 378 | 373 | 359 | 351 | 351 | 360 | 369 | 377 | |
| 3 | 382 | 377 | 377 | 378 | 379 | 377 | 378 | 379 | 372 | 360 | 352 | 348 | 354 | 365 | 372 | 376 | |
| 4 | 380 | 379 | 378 | 380 | 380 | 380 | 380 | 378 | 374 | 369 | 358 | 352 | 355 | 364 | 375 | 383 | |
| 5 | 379 | 377 | 377 | 379 | 379 | 381 | 381 | 378 | 371 | 361 | 356 | 355 | 359 | 364 | 369 | 375 | |
| 6 | 379 | 379 | 379 | 380 | 382 | 381 | 380 | 376 | 371 | 364 | 360 | 356 | 358 | 367 | 376 | 386 | |
| 7 | 373 | 373 | 374 | 373 | 372 | 370 | 372 | 370 | 369 | 365 | 361 | 358 | 360 | 367 | 373 | 376 | |
| 8 * | 377 | 377 | 377 | 377 | 377 | 379 | 381 | 376 | 375 | 367 | 356 | 352 | 353 | 362 | 372 | 375 | |
| 9 * | 376 | 376 | 376 | 376 | 377 | 380 | 380 | 375 | 373 | 366 | 359 | 351 | 350 | 357 | 364 | 370 | |
| 10 * | 373 | 374 | 374 | 375 | 376 | 379 | 378 | 374 | 369 | 358 | 345 | 336 | 335 | 346 | 360 | 371 | |
| 11 * | 373 | 373 | 371 | 372 | 374 | 375 | 374 | 370 | 369 | 364 | 356 | 348 | 343 | 353 | 364 | 373 | |
| 12 | 370 | 367 | 367 | 369 | 370 | 365 | 364 | 366 | 363 | 356 | 346 | 337 | 340 | 357 | 381 | 396 | |
| 13 | 378 | 376 | 375 | 372 | 366 | 366 | 368 | 366 | 364 | 357 | 353 | 354 | 362 | 375 | 392 | 406 | |
| 14 | 376 | 380 | 383 | 386 | 387 | 389 | 390 | 385 | 377 | 369 | 365 | 363 | 367 | 376 | 388 | 402 | |
| 15 ** | 378 | 367 | 363 | 349 | 353 | 361 | 365 | 370 | 373 | 369 | 368 | 369 | 376 | 391 | 406 | 431 | |
| 16 ** | 372 | 361 | 344 | 333 | 342 | 313 | 303 | 317 | 333 | 341 | 358 | 387 | 441 | 463 | 490 | 555 | |
| 17 ** | 302 | 326 | 323 | 327 | 334 | 346 | 340 | 345 | 356 | 369 | 369 | 369 | 379 | 401 | 413 | 418 | |
| 18 | 390 | 388 | 387 | 383 | 380 | 383 | 378 | 376 | 375 | 375 | 374 | 373 | 373 | 379 | 389 | 396 | |
| 19 | 386 | 386 | 386 | 387 | 390 | 392 | 391 | 385 | 378 | 372 | 371 | 368 | 365 | 366 | 374 | 380 | |
| 20 | 386 | 385 | 383 | 380 | 381 | 383 | 383 | 373 | 364 | 358 | 351 | 361 | 365 | 372 | 378 | 381 | |
| 21 | 358 | 362 | 361 | 357 | 364 | 367 | 368 | 371 | 372 | 370 | 367 | 361 | 361 | 366 | 368 | 374 | |
| 22 | 384 | 381 | 380 | 381 | 382 | 380 | 378 | 372 | 372 | 366 | 365 | 369 | 373 | 378 | 392 | 401 | |
| 23 | 388 | 387 | 387 | 386 | 387 | 387 | 386 | 383 | 379 | 372 | 368 | 362 | 358 | 370 | 388 | 402 | |
| 24 ** | 340 | 331 | 322 | 332 | 347 | 349 | 355 | 362 | 371 | 375 | 364 | 370 | 376 | 404 | 443 | 462 | |
| 25 ** | 326 | 323 | 311 | 302 | 286 | 270 | 290 | 318 | 329 | 361 | 376 | 390 | 403 | 423 | 433 | 424 | |
| 26 | 391 | 384 | 372 | 376 | 376 | 377 | 385 | 391 | 384 | 381 | 374 | 367 | 366 | 376 | 392 | 397 | |
| 27 | 384 | 385 | 384 | 384 | 386 | 392 | 388 | 385 | 381 | 376 | 371 | 361 | 360 | 369 | 375 | 382 | |
| 28 | 380 | 381 | 379 | 365 | 367 | 372 | 373 | 374 | 374 | 369 | 361 | 356 | 356 | 362 | 370 | 383 | |
| 29 | 384 | 384 | 384 | 385 | 388 | 389 | 393 | 391 | 385 | 376 | 371 | 367 | 364 | 372 | 381 | 391 | |
| 30 | 386 | 386 | 385 | 390 | 393 | 395 | 391 | 387 | 388 | 384 | 376 | 367 | 370 | 380 | 392 | 401 | |
| 31 | 386 | 385 | 384 | 383 | 385 | 386 | 386 | 382 | 375 | 372 | 365 | 361 | 358 | 360 | 366 | 371 | |
| Mean | 374 | 373 | 371 | 370 | 372 | 372 | 372 | 372 | 371 | 367 | 363 | 361 | 365 | 375 | 387 | 397 | |
| Mean * | 377 | 377 | 376 | 377 | 378 | 380 | 379 | 375 | 373 | 366 | 355 | 348 | 346 | 356 | 366 | 373 | |
| Mean ** | 344 | 342 | 333 | 329 | 332 | 328 | 331 | 342 | 352 | 363 | 367 | 377 | 395 | 416 | 437 | 458 | |
| JUNE | 43000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 ** | 380 | 371 | 365 | 373 | 373 | 374 | 375 | 381 | 373 | 359 | 353 | 361 | 372 | 382 | 394 | 413 | |
| 2 | 383 | 380 | 382 | 384 | 385 | 383 | 383 | 380 | 373 | 363 | 355 | 351 | 353 | 364 | 381 | 387 | |
| 3 * | 384 | 382 | 375 | 377 | 383 | 383 | 383 | 380 | 373 | 368 | 365 | 360 | 357 | 362 | 373 | 381 | |
| 4 | 381 | 380 | 380 | 382 | 382 | 382 | 382 | 382 | 379 | 372 | 365 | 357 | 354 | 366 | 377 | 388 | |
| 5 | 380 | 380 | 380 | 380 | 381 | 381 | 376 | 369 | 366 | 362 | 353 | 347 | 348 | 359 | 367 | 371 | |
| 6 | 379 | 380 | 379 | 380 | 382 | 382 | 379 | 375 | 373 | 369 | 362 | 358 | 357 | 366 | 377 | 385 | |
| 7 * | 379 | 377 | 379 | 380 | 382 | 382 | 380 | 379 | 373 | 364 | 357 | 354 | 356 | 362 | 373 | 384 | |
| 8 | 377 | 375 | 365 | 372 | 378 | 380 | 378 | 373 | 368 | 361 | 353 | 354 | 359 | 365 | 379 | 384 | |
| 9 | 373 | 375 | 379 | 380 | 381 | 380 | 377 | 373 | 369 | 360 | 360 | 351 | 353 | 362 | 369 | 374 | |
| 10 | 374 | 371 | 373 | 375 | 378 | 380 | 380 | 380 | 375 | 364 | 356 | 354 | 352 | 354 | 363 | 374 | |
| 11 | 372 | 369 | 360 | 361 | 363 | 369 | 366 | 362 | 359 | 358 | 358 | 350 | 348 | 354 | 369 | 385 | |
| 12 | 371 | 366 | 361 | 362 | 370 | 370 | 369 | 368 | 364 | 361 | 359 | 364 | 369 | 374 | 380 | 383 | |
| 13 | 370 | 368 | 372 | 373 | 374 | 374 | 374 | 372 | 373 | 369 | 361 | 354 | 352 | 350 | 357 | 366 | |
| 14 | 367 | 365 | 362 | 359 | 367 | 370 | 371 | 366 | 361 | 356 | 351 | 345 | 346 | 365 | 377 | 381 | |
| 15 ** | 363 | 359 | 354 | 351 | 354 | 359 | 360 | 360 | 362 | 362 | 356 | 354 | 365 | 372 | 378 | 384 | |
| 16 | 364 | 369 | 373 | 375 | 374 | 371 | 370 | 366 | 364 | 364 | 360 | 355 | 354 | 365 | 372 | 374 | |
| 17 | 374 | 375 | 375 | 376 | 378 | 376 | 374 | 374 | 374 | 373 | 362 | 356 | 357 | 366 | 372 | 382 | |
| 18 * | 376 | 368 | 368 | 373 | 375 | 375 | 372 | 365 | 362 | 352 | 350 | 348 | 348 | 358 | 365 | 372 | |
| 19 * | 375 | 375 | 376 | 376 | 376 | 380 | 382 | 379 | 373 | 366 | 357 | 352 | 350 | 354 | 361 | 371 | |
| 20 * | 374 | 373 | 374 | 376 | 377 | 377 | 374 | 373 | 366 | 356 | 347 | 344 | 344 | 349 | 359 | 367 | |
| 21 | 370 | 368 | 364 | 371 | 374 | 380 | 378 | 371 | 361 | 353 | 347 | 342 | 340 | 351 | 362 | 371 | |
| 22 | 374 | 374 | 369 | 364 | 370 | 373 | 374 | 375 | 372 | 362 | 354 | 354 | 359 | 370 | 380 | 384 | |
| 23 | 375 | 373 | 375 | 378 | 380 | 381 | 378 | 370 | 364 | 363 | 357 | 344 | 345 | 350 | 363 | 369 | |
| 24 ** | 362 | 335 | 349 | 344 | 353 | 360 | 362 | 369 | 367 | 358 | 350 | 349 | 352 | 365 | 400 | 438 | |
| 25 ** | 346 | 324 | 327 | 331 | 330 | 331 | 351 | 366 | 382 | 384 | 378 | 374 | 381 | 386 | 394 | 399 | |
| 26 | 384 | 385 | 386 | 389 | 389 | 385 | 381 | 381 | 379 | 374 | 366 | 361 | 365 | 378 | 392 | 403 | |
| 27 | 380 | 382 | 384 | 380 | 358 | 356 | 367 | 372 | 373 | 368 | 364 | 364 | 366 | 373 | 384 | 394 | |
| 28 | 383 | 383 | 384 | 384 | 385 | 385 | 383 | 381 | 380 | 380 | 372 | 366 | 366 | 373 | 381 | 392 | |
| 29 | 380 | 380 | 375 | 380 | 383 | 385 | 386 | 384 | 383 | 382 | 376 | 371 | 366 | 371 | 376 | 376 | |
| 30 ** | 381 | 381 | 381 | 382 | 382 | 381 | 375 | 377 | 379 | 376 | 372 | 359 | 356 | 368 | 379 | 402 | |
| Mean | 374 | 371 | 371 | 372 | 374 | 375 | 375 | 373 | 371 | 365 | 359 | 355 | 356 | 364 | 375 | 384 | |
| Mean * | 378 | 375 | 374 | 376 | 379 | 379 | 378 | 375 | 369 | 361 | 355 | 352 | 351 | 357 | 366 | 375 | |
| Mean ** | 366 | 354 | 355 | 356 | 358 | 361 | 365 | 371 | 373 | 368 | 362 | 359 | 365 | 375 | 389 | 407 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

43000 γ + Tabular Quantities (in γ) — MAY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 409 | 403 | 393 | 387 | 386 | 383 | 385 | | 382 | 17 42 | 418 | 360 | 11 53 | 58 | 1 | |
| 382 | 384 | 384 | 384 | 383 | 383 | 383 | 383 | | 378 | 5 0 | 389 | 347 | 11 54 | 42 | 2 | * |
| 380 | 383 | 386 | 387 | 384 | 383 | 383 | 383 | | 375 | 19 16 | 394 | 345 | 11 32 | 49 | 3 | |
| 386 | 387 | 384 | 382 | 383 | 380 | 383 | 383 | | 376 | 17 25 | 395 | 348 | 11 28 | 47 | 4 | |
| 384 | 393 | 402 | 401 | 393 | 382 | 379 | 379 | | 377 | 18 40 | 406 | 350 | 11 18 | 56 | 5 | |
| 390 | 393 | 386 | 382 | 380 | 378 | 377 | 376 | | 377 | 17 13 | 399 | 352 | 11 48 | 47 | 6 | |
| 378 | 380 | 383 | 383 | 382 | 377 | 376 | 378 | | 373 | 20 6 | 388 | 354 | 11 35 | 34 | 7 | |
| 375 | 377 | 376 | 375 | 376 | 374 | 373 | 376 | | 372 | 6 40 | 385 | 348 | 11 42 | 37 | 8 | * |
| 375 | 378 | 377 | 374 | 373 | 372 | 373 | 374 | | 371 | 17 48 | 384 | 346 | 11 37 | 38 | 9 | * |
| 374 | 376 | 372 | 371 | 368 | 368 | 370 | 372 | | 366 | 17 26 | 383 | 331 | 12 33 | 52 | 10 | * |
| 377 | 377 | 377 | 374 | 373 | 370 | 370 | 372 | | 368 | 16 44 | 384 | 339 | 12 14 | 45 | 11 | * |
| 408 | 405 | 394 | 383 | 377 | 377 | 377 | 377 | | 371 | 16 33 | 422 | 332 | 11 32 | 90 | 12 | |
| 407 | 407 | 399 | 392 | 388 | 386 | 385 | 380 | | 378 | 18 27 | 413 | 348 | 11 12 | 65 | 13 | |
| 406 | 406 | 408 | 407 | 397 | 388 | 382 | 382 | | 386 | 19 11 | 413 | 360 | 11 40 | 53 | 14 | |
| 449 | 459 | 429 | 417 | 402 | 379 | 368 | 373 | | 386 | 17 19 | 484 | 345 | 3 23 | 139 | 15 | ** |
| 587 | 539 | 488 | 469 | 423 | 384 | 342 | 328 | | 401 | 16 42 | 614† | 288 | 6 11 | 326 | 16 | ** |
| 416 | 415 | 413 | 408 | 402 | 396 | 393 | 393 | | 373 | 15 44 | 423 | 271 | 0 48 | 152 | 17 | ** |
| 399 | 402 | 401 | 396 | 394 | 390 | 388 | 387 | | 386 | 17 20 | 408 | 370 | 12 37 | 38 | 18 | |
| 384 | 387 | 385 | 386 | 386 | 386 | 386 | 385 | | 382 | 5 3 | 395 | 361 | 13 6 | 34 | 19 | |
| 385 | 394 | 399 | 405 | 409 | 400 | 386 | 376 | | 381 | 20 23 | 417 | 346 | 10 32 | 71 | 20 | |
| 378 | 386 | 390 | 387 | 386 | 384 | 385 | 384 | | 372 | 18 22 | 398 | 355 | 0 27 | 43 | 21 | |
| 407 | 414 | 418 | 407 | 395 | 387 | 386 | 386 | | 386 | 18 13 | 433 | 361 | 9 47 | 72 | 22 | |
| 411 | 413 | 404 | 395 | 385 | 386 | 381 | 356 | | 384 | 16 36 | 419 | 348 | 23 46 | 71 | 23 | |
| 444 | 450 | 445 | 434 | 418 | 408 | 354 | 345 | | 383 | 15 3 | 484 | 320 | 2 23 | 164 | 24 | ** |
| 422 | 416 | 411 | 403 | 400 | 397 | 396 | 393 | | 367 | 14 42 | 435 | 254† | 5 26 | 181 | 25 | ** |
| 401 | 403 | 404 | 406 | 402 | 396 | 395 | 391 | | 387 | 19 19 | 413 | 365 | 12 12 | 48 | 26 | |
| 386 | 393 | 394 | 392 | 391 | 387 | 387 | 385 | | 382 | 18 42 | 399 | 352 | 11 58 | 47 | 27 | |
| 392 | 394 | 394 | 392 | 387 | 385 | 384 | 384 | | 376 | 17 39 | 398 | 354 | 12 40 | 44 | 28 | |
| 393 | 398 | 412 | 425 | 417 | 404 | 383 | 382 | | 388 | 19 26 | 431 | 360 | 12 2 | 71 | 29 | |
| 407 | 415 | 415 | 410 | 406 | 400 | 392 | 388 | | 392 | 18 9 | 421 | 361 | 12 2 | 60 | 30 | |
| 374 | 384 | 390 | 391 | 388 | 386 | 384 | 384 | | 379 | 18 36 | 394 | 354 | 13 16 | 40 | 31 | |
| 402 | 404 | 401 | 397 | 391 | 386 | 380 | 378 | | 379 | - | 417 | 343 | - | 74.6 | Mean | |
| 377 | 378 | 377 | 376 | 375 | 373 | 374 | 375 | | 371 | - | 385 | 342 | - | 42.8 | Mean | * |
| 464 | 456 | 437 | 426 | 409 | 393 | 371 | 366 | | 382 | - | 488 | 296 | - | 192.4 | Mean | ** |

43000 γ + Tabular Quantities (in γ) — JUNE

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 420 | 421 | 418 | 404 | 395 | 391 | 388 | 386 | | 384 | 17 26 | 426 | 351 | 10 40 | 75 | 1 | ** |
| 392 | 401 | 402 | 397 | 390 | 386 | 385 | 385 | | 380 | 17 57 | 407 | 347 | 11 20 | 60 | 2 | |
| 387 | 393 | 394 | 390 | 385 | 383 | 382 | 383 | | 378 | 17 10 | 397 | 354 | 12 24 | 43 | 3 | * |
| 395 | 397 | 395 | 391 | 384 | 382 | 382 | 381 | | 380 | 17 26 | 407 | 348 | 12 7 | 59 | 4 | |
| 375 | 380 | 387 | 387 | 386 | 384 | 382 | 380 | | 373 | 18 43 | 395 | 343 | 12 9 | 52 | 5 | |
| 389 | 391 | 392 | 391 | 386 | 383 | 382 | 381 | | 378 | 16 44 | 397 | 354 | 12 3 | 43 | 6 | |
| 388 | 391 | 390 | 386 | 386 | 382 | 378 | 378 | | 377 | 17 36 | 397 | 351 | 11 53 | 46 | 7 | * |
| 390 | 389 | 386 | 385 | 384 | 382 | 379 | 376 | | 375 | 17 15 | 395 | 349 | 9 56 | 46 | 8 | |
| 384 | 389 | 393 | 394 | 391 | 390 | 384 | 376 | | 376 | 19 34 | 399 | 345 | 11 53 | 54 | 9 | |
| 382 | 397 | 401 | 395 | 391 | 383 | 378 | 371 | | 375 | 18 28 | 406 | 349 | 12 47 | 57 | 10 | |
| 385 | 388 | 391 | 391 | 385 | 380 | 375 | 375 | | 370 | 19 20 | 398 | 341 | 12 2 | 57 | 11 | |
| 384 | 387 | 390 | 389 | 385 | 382 | 380 | 376 | | 374 | 17 36 | 398 | 351 | 9 59 | 47 | 12 | |
| 373 | 379 | 385 | 388 | 384 | 382 | 374 | 368 | | 371 | 19 9 | 393 | 346 | 13 42 | 47 | 13 | |
| 382 | 385 | 385 | 386 | 381 | 376 | 374 | 371 | | 369 | 17 21 | 391 | 341 | 12 2 | 50 | 14 | |
| 387 | 397 | 393 | 390 | 384 | 382 | 379 | 371 | | 370 | 17 47 | 406 | 349 | 3 35 | 57 | 15 | ** |
| 380 | 383 | 391 | 396 | 391 | 386 | 382 | 376 | | 373 | 19 20 | 401 | 349 | 12 12 | 52 | 16 | |
| 387 | 398 | 395 | 389 | 386 | 382 | 377 | 376 | | 376 | 17 36 | 403 | 354 | 12 8 | 49 | 17 | |
| 380 | 387 | 387 | 384 | 382 | 378 | 376 | 375 | | 370 | 17 31 | 393 | 345 | 12 16 | 48 | 18 | * |
| 380 | 382 | 383 | 382 | 380 | 379 | 377 | 376 | | 373 | 17 23 | 390 | 346 | 12 15 | 44 | 19 | * |
| 368 | 371 | 378 | 374 | 379 | 379 | 374 | 372 | | 368 | 20 18 | 381 | 341 | 12 43 | 40 | 20 | * |
| 380 | 386 | 386 | 386 | 383 | 376 | 374 | 374 | | 369 | 18 26 | 393 | 336 | 12 41 | 57 | 21 | |
| 386 | 391 | 391 | 388 | 383 | 381 | 376 | 377 | | 374 | 17 36 | 397 | 350 | 10 36 | 47 | 22 | |
| 377 | 382 | 389 | 393 | 388 | 381 | 366 | 353 | | 371 | 19 22 | 397 | 337 | 11 57 | 60 | 23 | |
| 451 | 441 | 422 | 404 | 395 | 392 | 384 | 371 | | 378 | 15 57 | 463† | 325 | 1 20 | 138 | 24 | ** |
| 407 | 418 | 422 | 414 | 403 | 394 | 389 | 383 | | 376 | 18 23 | 429 | 303† | 2 13 | 126 | 25 | ** |
| 411 | 421 | 416 | 407 | 400 | 396 | 391 | 385 | | 389 | 17 36 | 430 | 357 | 11 38 | 73 | 26 | |
| 401 | 405 | 407 | 404 | 396 | 390 | 384 | 383 | | 381 | 18 46 | 411 | 351 | 4 40 | 60 | 27 | |
| 392 | 392 | 397 | 398 | 392 | 386 | 383 | 381 | | 383 | 19 20 | 403 | 362 | 12 4 | 41 | 28 | |
| 381 | 386 | 396 | 393 | 402 | 394 | 385 | 383 | | 382 | 20 27 | 407 | 363 | 12 3 | 44 | 29 | |
| 402 | 403 | 398 | 401 | 401 | 391 | 386 | 377 | | 383 | 16 36 | 408 | 353 | 11 59 | 55 | 30 | ** |
| 390 | 394 | 395 | 393 | 389 | 384 | 380 | 377 | | 376 | - | 404 | 346 | - | 57.6 | Mean | |
| 381 | 385 | 386 | 383 | 382 | 380 | 377 | 377 | | 373 | - | 392 | 347 | - | 44.2 | Mean | * |
| 413 | 416 | 411 | 403 | 396 | 390 | 385 | 378 | | 378 | - | 426 | 336 | - | 90.2 | Mean | ** |

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

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

| U.T. | $0^h$ | $1^h$ | $2^h$ | $3^h$ | $4^h$ | $5^h$ | $6^h$ | $7^h$ | $8^h$ | $9^h$ | $10^h$ | $11^h$ | $12^h$ | $13^h$ | $14^h$ | $15^h$ | $16^h$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JULY | 43000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 380 | 382 | 382 | 382 | 383 | 382 | 381 | 379 | 375 | 375 | 372 | 362 | 358 | 365 | 372 | 386 | |
| 2 | 376 | 373 | 377 | 380 | 380 | 381 | 382 | 381 | 379 | 374 | 378 | 369 | 362 | 371 | 383 | 392 | |
| 3 | 376 | 372 | 371 | 371 | 372 | 377 | 375 | 375 | 379 | 376 | 368 | 361 | 358 | 372 | 383 | 396 | |
| 4 | 379 | 378 | 381 | 382 | 380 | 374 | 371 | 372 | 372 | 371 | 366 | 360 | 356 | 364 | 374 | 380 | |
| 5 | 376 | 375 | 376 | 378 | 380 | 381 | 381 | 381 | 379 | 373 | 356 | 342 | 343 | 350 | 366 | 372 | |
| 6 | 376 | 374 | 373 | 376 | 378 | 379 | 378 | 376 | 371 | 358 | 350 | 346 | 352 | 361 | 366 | 373 | |
| 7 * | 378 | 378 | 378 | 379 | 382 | 382 | 374 | 371 | 368 | 367 | 361 | 353 | 353 | 358 | 371 | 380 | |
| 8 | 376 | 376 | 374 | 376 | 376 | 376 | 368 | 365 | 359 | 356 | 356 | 356 | 354 | 355 | 365 | 372 | |
| 9 | 375 | 372 | 370 | 374 | 374 | 371 | 373 | 374 | 373 | 368 | 369 | 368 | 374 | 380 | 384 | 386 | |
| 10 | 376 | 376 | 376 | 376 | 378 | 379 | 382 | 378 | 374 | 372 | 369 | 363 | 361 | 357 | 363 | 372 | |
| 11 | 370 | 365 | 364 | 365 | 368 | 372 | 380 | 379 | 375 | 374 | 372 | 369 | 370 | 375 | 384 | 392 | |
| 12 | 374 | 372 | 374 | 375 | 377 | 372 | 366 | 364 | 361 | 354 | 342 | 338 | 344 | 353 | 360 | 365 | |
| 13 ** | 371 | 362 | 359 | 361 | 371 | 372 | 373 | 373 | 368 | 364 | 361 | 352 | 345 | 347 | 360 | 373 | |
| 14 | 366 | 372 | 373 | 379 | 383 | 384 | 386 | 384 | 382 | 382 | 377 | 369 | 363 | 366 | 372 | 379 | |
| 15 | 375 | 374 | 373 | 374 | 379 | 380 | 380 | 377 | 374 | 372 | 363 | 358 | 350 | 348 | 358 | 368 | |
| 16 | 374 | 373 | 372 | 372 | 373 | 375 | 377 | 378 | 372 | 366 | 357 | 350 | 348 | 352 | 367 | 376 | |
| 17 * | 375 | 376 | 376 | 376 | 377 | 375 | 375 | 373 | 370 | 364 | 362 | 354 | 347 | 349 | 356 | 364 | |
| 18 * | 374 | 374 | 374 | 374 | 374 | 374 | 373 | 371 | 364 | 357 | 358 | 358 | 354 | 362 | 368 | 375 | |
| 19 | 374 | 373 | 371 | 371 | 372 | 371 | 366 | 361 | 356 | 354 | 352 | 348 | 344 | 348 | 359 | 362 | |
| 20 | 367 | 364 | 369 | 368 | 366 | 369 | 370 | 369 | 366 | 361 | 354 | 348 | 344 | 353 | 364 | 373 | |
| 21 * | 374 | 373 | 375 | 375 | 375 | 376 | 375 | 372 | 371 | 369 | 364 | 363 | 360 | 362 | 372 | 380 | |
| 22 * | 374 | 374 | 373 | 372 | 372 | 374 | 373 | 377 | 363 | 358 | 348 | 348 | 352 | 354 | 356 | 366 | |
| 23 | 371 | 371 | 371 | 372 | 374 | 373 | 372 | 371 | 368 | 360 | 353 | 351 | 343 | 349 | 363 | 375 | |
| 24 ** | 380 | 376 | 379 | 380 | 379 | 375 | 365 | 357 | 356 | 357 | 358 | 354 | 353 | 361 | 372 | 383 | |
| 25 ** | 380 | 381 | 378 | 369 | 369 | 371 | 370 | 366 | 362 | 364 | 361 | 361 | 365 | 381 | 392 | 401 | |
| 26 ** | 359 | 368 | 380 | 380 | 373 | 373 | 374 | 376 | 371 | 370 | 364 | 363 | 362 | 363 | 380 | 393 | |
| 27 | 364 | 357 | 361 | 366 | 368 | 365 | 369 | 370 | 368 | 366 | 363 | 364 | 366 | 373 | 374 | 382 | |
| 28 ** | 368 | 367 | 372 | 374 | 377 | 381 | 382 | 375 | 364 | 358 | 355 | 356 | 354 | 356 | 367 | 376 | |
| 29 | 366 | 369 | 375 | 377 | 378 | 383 | 385 | 381 | 374 | 369 | 357 | 354 | 353 | 356 | 365 | 386 | |
| 30 | 379 | 379 | 374 | 372 | 376 | 378 | 380 | 380 | 382 | 375 | 369 | 358 | 353 | 359 | 373 | 383 | |
| 31 | 377 | 377 | 378 | 379 | 383 | 385 | 382 | 375 | 374 | 367 | 362 | 353 | 352 | 358 | 376 | 388 | |
| Mean | 374 | 373 | 374 | 374 | 376 | 376 | 375 | 374 | 370 | 366 | 361 | 356 | 355 | 360 | 370 | 379 | |
| Mean * | 375 | 375 | 375 | 375 | 376 | 376 | 374 | 373 | 367 | 363 | 359 | 355 | 353 | 357 | 365 | 373 | |
| Mean ** | 372 | 371 | 374 | 373 | 374 | 374 | 373 | 369 | 364 | 363 | 360 | 357 | 356 | 362 | 374 | 385 | |
| AUGUST | 43000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 376 | 366 | 364 | 372 | 377 | 380 | 379 | 374 | 368 | 364 | 358 | 355 | 354 | 358 | 370 | 379 | |
| 2 | 373 | 372 | 371 | 374 | 376 | 377 | 378 | 375 | 369 | 361 | 364 | 361 | 358 | 362 | 373 | 380 | |
| 3 | 373 | 375 | 376 | 376 | 379 | 378 | 376 | 373 | 368 | 363 | 352 | 346 | 348 | 355 | 367 | 375 | |
| 4 * | 375 | 376 | 375 | 376 | 380 | 382 | 375 | 372 | 367 | 364 | 363 | 358 | 355 | 358 | 370 | 376 | |
| 5 * | 373 | 373 | 373 | 374 | 375 | 374 | 374 | 372 | 368 | 367 | 362 | 358 | 356 | 358 | 367 | 373 | |
| 6 | 374 | 374 | 372 | 370 | 372 | 374 | 367 | 361 | 353 | 345 | 342 | 345 | 352 | 348 | 357 | 367 | |
| 7 * | 373 | 371 | 372 | 372 | 369 | 366 | 366 | 367 | 364 | 360 | 352 | 342 | 340 | 345 | 356 | 367 | |
| 8 | 372 | 372 | 370 | 368 | 371 | 373 | 375 | 375 | 365 | 356 | 349 | 343 | 344 | 358 | 375 | 391 | |
| 9 | 375 | 374 | 374 | 375 | 376 | 381 | 383 | 385 | 384 | 374 | 361 | 349 | 347 | 356 | 372 | 380 | |
| 10 | 374 | 367 | 367 | 372 | 374 | 374 | 381 | 382 | 382 | 374 | 367 | 360 | 354 | 358 | 374 | 384 | |
| 11 ** | 375 | 368 | 365 | 368 | 367 | 371 | 376 | 374 | 365 | 361 | 355 | 356 | 352 | 357 | 373 | 385 | |
| 12 | 379 | 376 | 375 | 376 | 377 | 376 | 374 | 373 | 367 | 362 | 357 | 361 | 366 | 372 | 384 | 392 | |
| 13 | 376 | 376 | 376 | 377 | 378 | 381 | 376 | 372 | 366 | 360 | 349 | 341 | 342 | 348 | 356 | 368 | |
| 14 | 374 | 368 | 366 | 369 | 373 | 375 | 375 | 372 | 363 | 354 | 344 | 342 | 343 | 353 | 361 | 372 | |
| 15 | 372 | 372 | 373 | 374 | 375 | 376 | 377 | 375 | 366 | 356 | 347 | 344 | 346 | 353 | 358 | 366 | |
| 16 | 374 | 374 | 373 | 373 | 373 | 373 | 373 | 371 | 371 | 368 | 361 | 351 | 346 | 353 | 359 | 367 | |
| 17 | 370 | 364 | 363 | 365 | 372 | 375 | 365 | 357 | 354 | 354 | 345 | 345 | 351 | 360 | 363 | 371 | |
| 18 | 374 | 373 | 373 | 373 | 374 | 375 | 374 | 367 | 364 | 356 | 349 | 345 | 344 | 345 | 353 | 362 | |
| 19 * | 373 | 373 | 373 | 373 | 373 | 374 | 375 | 373 | 371 | 365 | 356 | 352 | 350 | 355 | 363 | 367 | |
| 20 * | 371 | 371 | 371 | 371 | 372 | 370 | 372 | 368 | 365 | 361 | 348 | 341 | 338 | 346 | 356 | 363 | |
| 21 | 371 | 371 | 370 | 371 | 372 | 373 | 372 | 366 | 362 | 356 | 345 | 340 | 344 | 363 | 365 | 363 | |
| 22 | 376 | 376 | 376 | 376 | 376 | 376 | 374 | 367 | 363 | 357 | 353 | 349 | 346 | 347 | 354 | 367 | |
| 23 ** | 366 | 364 | 365 | 364 | 364 | 369 | 373 | 376 | 374 | 366 | 363 | 358 | 360 | 374 | 388 | 397 | |
| 24 ** | 303 | 321 | 335 | 344 | 348 | 353 | 368 | 374 | 377 | 367 | 361 | 361 | 361 | 379 | 408 | 484 | |
| 25 ** | 366 | 374 | 382 | 381 | 382 | 384 | 386 | 386 | 382 | 373 | 374 | 371 | 375 | 395 | 404 | 406 | |
| 26 ** | 353 | 323 | 343 | 347 | 358 | 373 | 376 | 372 | 372 | 366 | 365 | 366 | 371 | 374 | 381 | 396 | |
| 27 | 384 | 384 | 382 | 378 | 378 | 376 | 384 | 385 | 383 | 376 | 372 | 369 | 368 | 376 | 383 | 384 | |
| 28 | 374 | 364 | 363 | 364 | 367 | 374 | 382 | 384 | 384 | 378 | 373 | 364 | 359 | 366 | 376 | 388 | |
| 29 | 378 | 375 | 374 | 374 | 375 | 379 | 382 | 382 | 380 | 373 | 361 | 356 | 359 | 368 | 376 | 383 | |
| 30 | 371 | 369 | 371 | 372 | 372 | 374 | 374 | 373 | 367 | 364 | 357 | 358 | 361 | 368 | 375 | 384 | |
| 31 | 378 | 375 | 375 | 374 | 374 | 377 | 381 | 382 | 379 | 374 | 362 | 364 | 365 | 373 | 379 | 389 | |
| Mean | 371 | 369 | 370 | 371 | 373 | 375 | 376 | 374 | 370 | 364 | 357 | 353 | 353 | 361 | 371 | 381 | |
| Mean * | 373 | 373 | 373 | 373 | 374 | 373 | 372 | 370 | 367 | 363 | 356 | 350 | 348 | 352 | 362 | 369 | |
| Mean ** | 353 | 350 | 358 | 361 | 364 | 370 | 376 | 376 | 374 | 367 | 364 | 362 | 364 | 376 | 391 | 414 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

43000 γ + Tabular Quantities (in γ) JULY

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 386 | 390 | 387 | 389 | 385 | 383 | 381 | 382 | | 379 | 17 45 | 397 | 354 | 12 39 | 43 | 1 | |
| 393 | 394 | 396 | 398 | 392 | 386 | 381 | 380 | | 382 | 19 37 | 405 | 359 | 12 30 | 46 | 2 | |
| 395 | 391 | 390 | 386 | 382 | 381 | 381 | 380 | | 378 | 15 47 | 406 | 354 | 12 18 | 52 | 3 | |
| 376 | 374 | 373 | 378 | 380 | 379 | 378 | 377 | | 374 | 15 29 | 386 | 351 | 12 2 | 35 | 4 | |
| 380 | 382 | 384 | 382 | 382 | 382 | 380 | 379 | | 373 | 18 42 | 389 | 337 | 11 56 | 52 | 5 | |
| 376 | 384 | 384 | 382 | 381 | 380 | 376 | 379 | | 372 | 17 37 | 389 | 344 | 11 36 | 45 | 6 | |
| 382 | 386 | 382 | 382 | 382 | 379 | 378 | 377 | | 374 | 17 21 | 393 | 351 | 12 26 | 42 | 7 | * |
| 374 | 373 | 373 | 375 | 379 | 378 | 379 | 378 | | 370 | 1 6 | 385 | 350 | 13 29 | 35 | 8 | |
| 391 | 394 | 393 | 390 | 384 | 381 | 377 | 376 | | 378 | 17 38 | 401 | 364 | 10 11 | 37 | 9 | |
| 378 | 380 | 391 | 389 | 383 | 382 | 378 | 375 | | 375 | 18 50 | 402 | 354 | 13 17 | 48 | 10 | |
| 392 | 396 | 394 | 390 | 383 | 381 | 376 | 375 | | 378 | 17 36 | 402 | 360 | 2 57 | 42 | 11 | |
| 375 | 381 | 386 | 386 | 387 | 380 | 374 | 373 | | 368 | 20 30 | 393 | 335† | 11 41 | 58 | 12 | |
| 389 | 401 | 413 | 408 | 398 | 389 | 386 | 386 | | 374 | 18 31 | 423† | 341 | 12 54 | 82 | 13 | ** |
| 383 | 386 | 387 | 388 | 383 | 381 | 373 | 373 | | 378 | 19 21 | 394 | 356 | 12 52 | 38 | 14 | |
| 373 | 383 | 388 | 392 | 390 | 382 | 377 | 376 | | 374 | 19 23 | 400 | 345 | 13 22 | 55 | 15 | |
| 381 | 386 | 386 | 384 | 382 | 380 | 375 | 374 | | 372 | 17 30 | 393 | 346 | 12 30 | 47 | 16 | |
| 373 | 379 | 382 | 381 | 379 | 380 | 376 | 374 | | 371 | 18 11 | 385 | 343 | 12 45 | 42 | 17 | * |
| 376 | 378 | 388 | 382 | 377 | 376 | 375 | 375 | | 371 | 18 11 | 393 | 350 | 12 31 | 43 | 18 | * |
| 369 | 376 | 380 | 383 | 380 | 376 | 373 | 372 | | 366 | 19 11 | 389 | 341 | 12 53 | 48 | 19 | |
| 380 | 384 | 384 | 387 | 385 | 379 | 375 | 374 | | 369 | 17 49 | 394 | 341 | 12 17 | 53 | 20 | |
| 381 | 382 | 382 | 378 | 374 | 374 | 372 | 373 | | 373 | 16 44 | 385 | 356 | 13 6 | 29 | 21 | * |
| 372 | 380 | 381 | 374 | 372 | 371 | 370 | 371 | | 368 | 17 50 | 388 | 342 | 11 3 | 46 | 22 | * |
| 376 | 383 | 384 | 391 | 391 | 391 | 386 | 381 | | 372 | 21 54 | 397 | 341 | 13 10 | 56 | 23 | |
| 383 | 382 | 386 | 386 | 381 | 378 | 378 | 379 | | 372 | 16 26 | 393 | 346 | 12 16 | 47 | 24 | ** |
| 401 | 398 | 390 | 384 | 384 | 386 | 381 | 375 | | 378 | 15 44 | 407 | 355 | 11 40 | 52 | 25 | ** |
| 403 | 409 | 409 | 402 | 393 | 387 | 377 | 367 | | 379 | 17 47 | 415 | 355 | 13 16 | 60 | 26 | ** |
| 383 | 384 | 385 | 383 | 386 | 382 | 378 | 375 | | 372 | 20 12 | 392 | 353 | 1 49 | 39 | 27 | |
| 378 | 384 | 386 | 388 | 391 | 380 | 372 | 369 | | 372 | 19 54 | 396 | 349 | 12 53 | 47 | 28 | ** |
| 396 | 404 | 390 | 391 | 386 | 381 | 379 | 378 | | 376 | 17 13 | 423† | 349 | 11 49 | 74 | 29 | |
| 387 | 388 | 390 | 391 | 387 | 384 | 378 | 377 | | 377 | 18 49 | 396 | 348 | 12 56 | 48 | 30 | |
| 398 | 398 | 392 | 385 | 379 | 379 | 377 | 378 | | 377 | 16 28 | 402 | 344 | 12 6 | 58 | 31 | |
| 383 | 387 | 388 | 387 | 384 | 381 | 377 | 376 | | 374 | - | 397 | 349 | - | 48.4 | Mean | |
| 377 | 381 | 383 | 379 | 377 | 376 | 374 | 374 | | 371 | - | 389 | 348 | - | 40.4 | Mean | * |
| 391 | 395 | 397 | 394 | 389 | 384 | 379 | 375 | | 375 | - | 407 | 349 | - | 57.6 | Mean | ** |

43000 γ + Tabular Quantities (in γ) AUGUST

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 382 | 383 | 382 | 381 | 378 | 377 | 376 | 376 | | 372 | 17 29 | 388 | 349 | 12 26 | 39 | 1 | |
| 384 | 383 | 382 | 382 | 378 | 375 | 375 | 373 | | 373 | 16 28 | 387 | 356 | 12 16 | 31 | 2 | |
| 382 | 384 | 376 | 375 | 374 | 373 | 374 | 374 | | 371 | 17 31 | 389 | 343 | 11 6 | 46 | 3 | |
| 382 | 382 | 376 | 374 | 373 | 373 | 372 | 374 | | 372 | 16 38 | 387 | 351 | 13 9 | 36 | 4 | * |
| 376 | 377 | 372 | 372 | 372 | 372 | 373 | 374 | | 370 | 17 53 | 382 | 352 | 12 47 | 30 | 5 | * |
| 372 | 372 | 374 | 374 | 373 | 372 | 372 | 372 | | 365 | 18 51 | 379 | 338 | 9 52 | 41 | 6 | |
| 375 | 375 | 374 | 376 | 374 | 373 | 371 | 372 | | 366 | 19 24 | 381 | 338 | 12 50 | 43 | 7 | * |
| 395 | 402 | 403 | 400 | 392 | 380 | 376 | 376 | | 374 | 17 32 | 413 | 337 | 11 56 | 76 | 8 | |
| 400 | 416 | 413 | 400 | 390 | 390 | 384 | 376 | | 380 | 17 54 | 433 | 343 | 11 52 | 90 | 9 | |
| 386 | 386 | 382 | 377 | 375 | 375 | 374 | 372 | | 374 | 17 36 | 392 | 351 | 12 57 | 41 | 10 | |
| 393 | 413 | 424 | 414 | 400 | 393 | 383 | 381 | | 378 | 18 19 | 434 | 344 | 12 41 | 90 | 11 | ** |
| 393 | 394 | 393 | 391 | 387 | 384 | 381 | 380 | | 378 | 17 36 | 399 | 354 | 10 46 | 45 | 12 | |
| 376 | 382 | 379 | 381 | 381 | 377 | 376 | 376 | | 370 | 17 29 | 387 | 334 | 11 59 | 53 | 13 | |
| 377 | 381 | 382 | 379 | 376 | 374 | 376 | 374 | | 368 | 17 27 | 386 | 336 | 11 57 | 50 | 14 | |
| 367 | 373 | 373 | 375 | 375 | 374 | 374 | 374 | | 367 | 6 40 | 382 | 339 | 11 33 | 43 | 15 | |
| 375 | 375 | 374 | 374 | 372 | 372 | 373 | 374 | | 369 | 17 24 | 383 | 342 | 12 9 | 41 | 16 | |
| 375 | 377 | 375 | 374 | 373 | 374 | 374 | 374 | | 365 | 17 19 | 382 | 340 | 11 11 | 42 | 17 | |
| 366 | 371 | 366 | 366 | 366 | 370 | 370 | 369 | | 364 | 17 21 | 375 | 339 | 12 12 | 36 | 18 | |
| 370 | 367 | 364 | 365 | 366 | 365 | 367 | 368 | | 367 | 6 2 | 378 | 345 | 12 4 | 33 | 19 | * |
| 364 | 365 | 364 | 366 | 366 | 366 | 366 | 368 | | 363 | 6 30 | 377 | 334 | 12 26 | 43 | 20 | * |
| 374 | 379 | 379 | 375 | 374 | 376 | 375 | 377 | | 367 | 17 47 | 388 | 330 | 11 34 | 58 | 21 | |
| 372 | 372 | 375 | 383 | 383 | 376 | 371 | 373 | | 368 | 20 13 | 386 | 339 | 12 54 | 47 | 22 | |
| 404 | 404 | 398 | 400 | 397 | 382 | 356 | 334 | | 375 | 17 3 | 412 | 326 | 23 32 | 86 | 23 | ** |
| 470 | 453 | 446 | 437 | 411 | 392 | 387 | 382 | | 384 | 15 40 | 516† | 257† | 0 38 | 259 | 24 | ** |
| 414 | 405 | 408 | 403 | 395 | 384 | 376 | 366 | | 386 | 16 0 | 430 | 358 | 0 21 | 72 | 25 | ** |
| 404 | 408 | 412 | 407 | 394 | 386 | 384 | 384 | | 376 | 19 3 | 419 | 305 | 1 18 | 114 | 26 | ** |
| 386 | 391 | 390 | 390 | 388 | 384 | 382 | 382 | | 381 | 17 24 | 397 | 365 | 12 33 | 32 | 27 | |
| 397 | 395 | 394 | 388 | 383 | 379 | 377 | 379 | | 377 | 16 30 | 405 | 355 | 11 56 | 50 | 28 | |
| 391 | 391 | 388 | 386 | 384 | 382 | 380 | 376 | | 377 | 16 19 | 396 | 350 | 11 6 | 46 | 29 | |
| 395 | 394 | 388 | 384 | 378 | 376 | 376 | 375 | | 374 | 16 40 | 403 | 352 | 10 47 | 51 | 30 | |
| 407 | 414 | 416 | 411 | 405 | 398 | 388 | 387 | | 384 | 17 44 | 426 | 354 | 10 40 | 72 | 31 | |
| 387 | 389 | 388 | 386 | 382 | 378 | 375 | 374 | | 373 | - | 400 | 341 | - | 59.2 | Mean | |
| 373 | 373 | 370 | 371 | 370 | 370 | 370 | 371 | | 368 | - | 381 | 344 | - | 37.0 | Mean | * |
| 417 | 417 | 418 | 412 | 399 | 387 | 377 | 369 | | 380 | - | 442 | 318 | - | 124.2 | Mean | ** |

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

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

| U.T. | $0^h$ | $1^h$ | $2^h$ | $3^h$ | $4^h$ | $5^h$ | $6^h$ | $7^h$ | $8^h$ | $9^h$ | $10^h$ | $11^h$ | $12^h$ | $13^h$ | $14^h$ | $15^h$ | $16^h$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEPTEMBER | 43000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 382 | 374 | 376 | 379 | 383 | 383 | 384 | 385 | 381 | 371 | 364 | 365 | 366 | 373 | 384 | 385 | |
| 2 ** | 385 | 384 | 377 | 364 | 352 | 314 | 291 | 304 | 311 | 336 | 358 | 375 | 386 | 392 | 404 | 419 | |
| 3 ** | 395 | 395 | 374 | 351 | 353 | 349 | 347 | 354 | 364 | 373 | 375 | 379 | 390 | 409 | 435 | 434 | |
| 4 | 384 | 384 | 385 | 388 | 388 | 385 | 388 | 391 | 393 | 390 | 382 | 383 | 390 | 403 | 406 | 404 | |
| 5 | 390 | 384 | 385 | 385 | 390 | 392 | 395 | 394 | 387 | 381 | 369 | 363 | 364 | 373 | 380 | 386 | |
| 6 | 382 | 377 | 382 | 383 | 379 | 381 | 385 | 386 | 384 | 370 | 364 | 369 | 381 | 396 | 415 | 422 | |
| 7 | 378 | 376 | 379 | 384 | 388 | 390 | 394 | 393 | 385 | 378 | 370 | 365 | 364 | 369 | 379 | 386 | |
| 8 ** | 382 | 383 | 384 | 384 | 383 | 381 | 383 | 382 | 375 | 368 | 355 | 352 | 353 | 375 | 441 | 547 | |
| 9 | 404 | 404 | 403 | 402 | 401 | 401 | 398 | 395 | 385 | 381 | 373 | 376 | 386 | 392 | 401 | 411 | |
| 10 | 384 | 385 | 389 | 393 | 394 | 394 | 395 | 393 | 383 | 376 | 372 | 365 | 364 | 369 | 380 | 388 | |
| 11 | 389 | 390 | 388 | 388 | 387 | 385 | 385 | 386 | 385 | 384 | 377 | 369 | 366 | 374 | 382 | 389 | |
| 12 | 388 | 386 | 385 | 385 | 386 | 385 | 387 | 389 | 387 | 379 | 371 | 362 | 354 | 355 | 364 | 371 | |
| 13 | 373 | 375 | 364 | 350 | 351 | 363 | 375 | 384 | 386 | 384 | 377 | 367 | 364 | 368 | 377 | 385 | |
| 14 * | 387 | 387 | 387 | 386 | 386 | 386 | 388 | 387 | 384 | 384 | 372 | 362 | 359 | 359 | 365 | 375 | |
| 15 | 384 | 384 | 384 | 383 | 382 | 382 | 386 | 388 | 384 | 379 | 371 | 361 | 352 | 354 | 362 | 368 | |
| 16 | 384 | 384 | 383 | 382 | 381 | 382 | 385 | 383 | 378 | 374 | 367 | 362 | 355 | 357 | 369 | 389 | |
| 17 * | 384 | 384 | 384 | 383 | 382 | 382 | 387 | 389 | 385 | 379 | 371 | 364 | 361 | 364 | 373 | 383 | |
| 18 * | 384 | 384 | 383 | 383 | 381 | 378 | 381 | 380 | 376 | 375 | 367 | 360 | 357 | 364 | 367 | 376 | |
| 19 * | 381 | 381 | 380 | 379 | 377 | 375 | 380 | 382 | 379 | 375 | 365 | 355 | 353 | 360 | 369 | 373 | |
| 20 | 378 | 377 | 377 | 374 | 364 | 359 | 360 | 367 | 369 | 367 | 358 | 346 | 345 | 358 | 369 | 389 | |
| 21 ** | 373 | 370 | 362 | 360 | 355 | 361 | 366 | 374 | 371 | 367 | 371 | 370 | 371 | 379 | 386 | 397 | |
| 22 ** | 383 | 379 | 373 | 368 | 362 | 361 | 370 | 374 | 369 | 368 | 364 | 369 | 375 | 381 | 389 | 409 | |
| 23 | 383 | 381 | 376 | 379 | 384 | 389 | 388 | 387 | 381 | 375 | 362 | 364 | 370 | 373 | 379 | 389 | |
| 24 | 382 | 383 | 383 | 385 | 385 | 385 | 387 | 384 | 381 | 374 | 367 | 358 | 360 | 370 | 377 | 381 | |
| 25 | 375 | 371 | 369 | 373 | 375 | 381 | 386 | 388 | 383 | 378 | 367 | 357 | 358 | 363 | 373 | 383 | |
| 26 | 379 | 379 | 376 | 371 | 368 | 373 | 374 | 375 | 373 | 367 | 360 | 353 | 357 | 366 | 375 | 385 | |
| 27 | 382 | 380 | 380 | 380 | 381 | 382 | 383 | 383 | 381 | 373 | 364 | 363 | 367 | 373 | 383 | 390 | |
| 28 | 383 | 382 | 378 | 370 | 366 | 370 | 374 | 378 | 383 | 381 | 375 | 371 | 372 | 376 | 385 | 393 | |
| 29 * | 382 | 380 | 380 | 379 | 380 | 375 | 378 | 381 | 380 | 377 | 370 | 364 | 359 | 360 | 365 | 371 | |
| 30 | 382 | 379 | 375 | 373 | 374 | 377 | 379 | 382 | 376 | 369 | 361 | 357 | 360 | 362 | 364 | 371 | |
| Mean | 383 | 382 | 380 | 378 | 377 | 377 | 379 | 381 | 378 | 374 | 368 | 364 | 365 | 372 | 383 | 395 | |
| Mean * | 384 | 383 | 383 | 382 | 381 | 379 | 383 | 384 | 381 | 378 | 369 | 361 | 358 | 361 | 368 | 376 | |
| Mean ** | 384 | 382 | 374 | 365 | 361 | 353 | 351 | 358 | 358 | 362 | 365 | 369 | 375 | 387 | 411 | 441 | |
| OCTOBER | 43000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 379 | 378 | 375 | 373 | 373 | 372 | 375 | 378 | 376 | 370 | 362 | 354 | 358 | 365 | 376 | 396 | |
| 2 ** | 361 | 356 | 364 | 372 | 374 | 375 | 378 | 377 | 376 | 379 | 380 | 378 | 381 | 387 | 392 | 402 | |
| 3 | 368 | 372 | 373 | 375 | 377 | 377 | 384 | 390 | 386 | 384 | 376 | 376 | 383 | 387 | 390 | 391 | |
| 4 | 374 | 376 | 376 | 376 | 378 | 381 | 384 | 384 | 380 | 375 | 366 | 357 | 357 | 364 | 367 | 375 | |
| 5 | 384 | 384 | 384 | 384 | 382 | 377 | 381 | 378 | 372 | 367 | 364 | 360 | 355 | 361 | 366 | 375 | |
| 6 | 383 | 378 | 374 | 376 | 377 | 379 | 382 | 381 | 374 | 364 | 351 | 347 | 348 | 355 | 372 | 386 | |
| 7 | 377 | 374 | 375 | 377 | 377 | 378 | 381 | 382 | 377 | 372 | 362 | 360 | 362 | 368 | 374 | 385 | |
| 8 | 379 | 372 | 376 | 377 | 379 | 378 | 375 | 376 | 375 | 372 | 364 | 361 | 361 | 364 | 371 | 378 | |
| 9 | 381 | 381 | 374 | 376 | 378 | 380 | 382 | 386 | 384 | 381 | 372 | 366 | 364 | 366 | 373 | 377 | |
| 10 | 381 | 383 | 378 | 380 | 381 | 381 | 382 | 385 | 384 | 382 | 373 | 366 | 363 | 363 | 371 | 377 | |
| 11 | 378 | 381 | 381 | 377 | 376 | 375 | 377 | 381 | 382 | 376 | 372 | 364 | 359 | 359 | 362 | 369 | |
| 12 | 376 | 378 | 378 | 377 | 378 | 376 | 376 | 379 | 376 | 374 | 364 | 358 | 354 | 356 | 364 | 372 | |
| 13 * | 381 | 376 | 377 | 377 | 377 | 378 | 376 | 381 | 381 | 378 | 374 | 364 | 361 | 363 | 366 | 372 | |
| 14 * | 377 | 376 | 376 | 376 | 375 | 374 | 375 | 378 | 377 | 375 | 368 | 360 | 356 | 362 | 365 | 371 | |
| 15 * | 376 | 376 | 376 | 375 | 374 | 374 | 373 | 377 | 378 | 376 | 374 | 365 | 362 | 360 | 363 | 371 | |
| 16 | 374 | 375 | 375 | 375 | 374 | 373 | 372 | 373 | 374 | 374 | 372 | 367 | 366 | 367 | 372 | 374 | |
| 17 * | 377 | 377 | 376 | 375 | 375 | 373 | 373 | 374 | 372 | 364 | 359 | 356 | 357 | 359 | 364 | 371 | |
| 18 | 374 | 374 | 374 | 374 | 374 | 371 | 370 | 374 | 374 | 366 | 360 | 354 | 349 | 353 | 361 | 367 | |
| 19 | 373 | 373 | 374 | 374 | 373 | 368 | 367 | 371 | 370 | 363 | 354 | 354 | 351 | 354 | 362 | 370 | |
| 20 ** | 374 | 374 | 374 | 374 | 367 | 363 | 356 | 363 | 364 | 364 | 363 | 367 | 378 | 386 | 398 | 410 | |
| 21 ** | 372 | 370 | 361 | 366 | 374 | 374 | 383 | 386 | 390 | 387 | 383 | 384 | 386 | 394 | 408 | 404 | |
| 22 | 384 | 377 | 376 | 367 | 371 | 380 | 384 | 393 | 392 | 385 | 378 | 374 | 376 | 382 | 394 | 401 | |
| 23 | 385 | 381 | 374 | 373 | 374 | 374 | 376 | 378 | 380 | 376 | 370 | 370 | 376 | 386 | 397 | 404 | |
| 24 | 383 | 383 | 383 | 384 | 381 | 380 | 383 | 384 | 385 | 378 | 365 | 360 | 362 | 368 | 377 | 383 | |
| 25 * | 380 | 380 | 381 | 381 | 381 | 380 | 380 | 381 | 377 | 372 | 365 | 360 | 360 | 363 | 371 | 372 | |
| 26 ** | 373 | 370 | 370 | 371 | 371 | 369 | 369 | 373 | 376 | 370 | 356 | 355 | 361 | 367 | 381 | 385 | |
| 27 ** | 363 | 366 | 366 | 354 | 349 | 372 | 383 | 394 | 392 | 383 | 376 | 374 | 379 | 385 | 391 | 395 | |
| 28 | 386 | 389 | 383 | 375 | 373 | 372 | 373 | 376 | 380 | 376 | 378 | 385 | 392 | 401 | 402 | 395 | |
| 29 | 386 | 387 | 386 | 386 | 386 | 386 | 385 | 392 | 392 | 386 | 382 | 382 | 383 | 385 | 392 | 396 | |
| 30 | 387 | 388 | 385 | 385 | 386 | 385 | 384 | 390 | 389 | 382 | 377 | 376 | 378 | 380 | 389 | 392 | |
| 31 | 386 | 386 | 386 | 385 | 385 | 384 | 383 | 389 | 386 | 380 | 373 | 375 | 379 | 382 | 386 | 387 | |
| Mean | 378 | 377 | 376 | 376 | 376 | 376 | 377 | 381 | 380 | 375 | 369 | 365 | 366 | 371 | 378 | 384 | |
| Mean * | 378 | 377 | 377 | 377 | 376 | 376 | 375 | 378 | 377 | 373 | 368 | 361 | 359 | 361 | 366 | 371 | |
| Mean ** | 369 | 367 | 367 | 367 | 367 | 371 | 374 | 379 | 380 | 377 | 372 | 372 | 377 | 384 | 394 | 399 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

43000 γ + Tabular Quantities (in γ) SEPTEMBER

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 393 | 395 | 394 | 394 | 394 | 388 | 384 | 384 | 382 | 17 37 | 400 | 360 | 10 16 | 40 | 1 | |
| 421 | 426 | 422 | 413 | 402 | 397 | 395 | 394 | 376 | 17 48 | 435 | 279† | 6 28 | 156 | 2 | ** |
| 431 | 424 | 414 | 408 | 400 | 392 | 388 | 387 | 388 | 14 30 | 442 | 335 | 3 3 | 107 | 3 | ** |
| 401 | 395 | 392 | 392 | 394 | 392 | 388 | 388 | 391 | 14 20 | 409 | 374 | 11 8 | 35 | 4 | |
| 389 | 385 | 382 | 383 | 384 | 384 | 384 | 384 | 383 | 6 58 | 400 | 358 | 12 12 | 42 | 5 | |
| 414 | 402 | 394 | 394 | 393 | 384 | 383 | 382 | 388 | 15 47 | 425 | 357 | 10 58 | 68 | 6 | |
| 390 | 387 | 384 | 385 | 384 | 382 | 382 | 381 | 381 | 6 39 | 398 | 361 | 11 53 | 37 | 7 | |
| 462 | 456 | 439 | 433 | 426 | 407 | 405 | 404 | 403 | 15 16 | 600† | 347 | 12 40 | 253 | 8 | ** |
| 416 | 421 | 415 | 405 | 400 | 397 | 396 | 391 | 398 | 17 50 | 424 | 368 | 10 45 | 56 | 9 | |
| 391 | 396 | 401 | 398 | 394 | 393 | 391 | 389 | 387 | 18 21 | 404 | 360 | 12 43 | 44 | 10 | |
| 395 | 395 | 392 | 392 | 392 | 390 | 392 | 389 | 386 | 17 28 | 400 | 362 | 11 43 | 38 | 11 | |
| 376 | 379 | 383 | 387 | 389 | 387 | 372 | 376 | 378 | 7 42 | 396 | 348 | 12 35 | 48 | 12 | |
| 389 | 394 | 394 | 394 | 392 | 391 | 391 | 387 | 378 | 18 21 | 401 | 343 | 3 46 | 58 | 13 | |
| 376 | 379 | 379 | 382 | 382 | 383 | 384 | 384 | 379 | 6 59 | 395 | 353 | 12 53 | 42 | 14 | * |
| 375 | 377 | 378 | 380 | 379 | 380 | 381 | 382 | 377 | 7 40 | 391 | 346 | 13 9 | 45 | 15 | |
| 401 | 402 | 395 | 391 | 389 | 391 | 386 | 384 | 381 | 16 50 | 408 | 351 | 12 40 | 57 | 16 | |
| 386 | 382 | 377 | 382 | 382 | 383 | 384 | 384 | 380 | 16 19 | 393 | 357 | 12 28 | 36 | 17 | * |
| 377 | 377 | 377 | 380 | 377 | 377 | 378 | 381 | 376 | 16 30 | 383 | 353 | 12 4 | 30 | 18 | * |
| 373 | 373 | 374 | 375 | 374 | 375 | 377 | 379 | 374 | 7 7 | 385 | 349 | 11 55 | 36 | 19 | * |
| 410 | 406 | 406 | 404 | 401 | 394 | 387 | 374 | 377 | 16 28 | 420 | 334 | 12 9 | 86 | 20 | |
| 403 | 402 | 395 | 394 | 390 | 384 | 384 | 384 | 378 | 17 20 | 410 | 348 | 4 41 | 62 | 21 | ** |
| 423 | 413 | 409 | 400 | 394 | 391 | 387 | 384 | 383 | 16 25 | 430 | 355 | 4 59 | 75 | 22 | ** |
| 393 | 393 | 387 | 386 | 383 | 383 | 382 | 381 | 381 | 16 54 | 398 | 356 | 10 51 | 42 | 23 | |
| 383 | 384 | 385 | 385 | 383 | 381 | 380 | 377 | 379 | 6 34 | 390 | 351 | 11 52 | 39 | 24 | |
| 383 | 383 | 383 | 385 | 387 | 386 | 384 | 378 | 377 | 7 25 | 394 | 353 | 12 4 | 41 | 25 | |
| 391 | 386 | 387 | 388 | 385 | 383 | 382 | 381 | 376 | 16 19 | 394 | 350 | 11 51 | 44 | 26 | |
| 394 | 390 | 390 | 391 | 393 | 389 | 387 | 385 | 382 | 16 20 | 397 | 359 | 11 11 | 38 | 27 | |
| 389 | 385 | 384 | 385 | 385 | 385 | 386 | 385 | 380 | 15 27 | 398 | 364 | 3 56 | 34 | 28 | |
| 378 | 382 | 384 | 384 | 383 | 383 | 382 | 382 | 377 | 21 17 | 387 | 352 | 12 53 | 35 | 29 | * |
| 374 | 375 | 376 | 377 | 377 | 379 | 378 | 378 | 373 | 7 29 | 384 | 354 | 11 38 | 30 | 30 | |
| 396 | 395 | 392 | 392 | 390 | 387 | 385 | 384 | 382 | - | 410 | 351 | - | 58.5 | Mean | |
| 378 | 379 | 378 | 381 | 380 | 380 | 381 | 382 | 377 | - | 389 | 353 | - | 35.8 | Mean | * |
| 428 | 424 | 416 | 410 | 402 | 394 | 392 | 391 | 386 | - | 463 | 333 | - | 130.6 | Mean | ** |

43000 γ + Tabular Quantities (in γ) OCTOBER

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 397 | 393 | 390 | 386 | 387 | 385 | 382 | 377 | 377 | 16 10 | 404 | 351 | 11 12 | 53 | 1 | |
| 406 | 403 | 404 | 396 | 395 | 391 | 384 | 376 | 383 | 16 39 | 413 | 350 | 1 33 | 63 | 2 | ** |
| 394 | 397 | 399 | 401 | 395 | 389 | 386 | 384 | 385 | 19 33 | 404 | 365 | 0 31 | 39 | 3 | |
| 377 | 381 | 384 | 392 | 392 | 381 | 380 | 383 | 377 | 20 32 | 397 | 352 | 12 8 | 45 | 4 | |
| 381 | 380 | 381 | 383 | 386 | 386 | 384 | 383 | 377 | 20 31 | 391 | 352 | 12 52 | 39 | 5 | |
| 394 | 391 | 387 | 387 | 385 | 384 | 384 | 383 | 376 | 16 33 | 399 | 339 | 11 43 | 60 | 6 | |
| 387 | 391 | 394 | 393 | 392 | 387 | 382 | 381 | 379 | 17 59 | 396 | 355 | 10 53 | 41 | 7 | |
| 382 | 384 | 384 | 384 | 384 | 384 | 384 | 382 | 376 | 17 20 | 387 | 356 | 11 58 | 31 | 8 | |
| 382 | 384 | 385 | 384 | 385 | 382 | 377 | 378 | 378 | 7 33 | 391 | 361 | 12 29 | 30 | 9 | |
| 381 | 382 | 382 | 382 | 382 | 380 | 380 | 380 | 378 | 8 22 | 390 | 361 | 13 1 | 29 | 10 | |
| 376 | 376 | 377 | 376 | 378 | 377 | 377 | 376 | 374 | 7 40 | 383 | 355 | 13 20 | 28 | 11 | |
| 376 | 376 | 377 | 376 | 377 | 381 | 377 | 380 | 373 | 7 37 | 382 | 352 | 12 40 | 30 | 12 | |
| 372 | 374 | 375 | 375 | 375 | 375 | 375 | 376 | 374 | 7 57 | 383 | 356 | 12 12 | 27 | 13 | * |
| 374 | 374 | 375 | 375 | 376 | 376 | 376 | 376 | 373 | 20 18 | 380 | 355 | 12 30 | 25 | 14 | * |
| 374 | 374 | 374 | 375 | 375 | 375 | 375 | 375 | 373 | 7 55 | 382 | 357 | 14 13 | 25 | 15 | * |
| 376 | 376 | 375 | 374 | 375 | 374 | 375 | 376 | 373 | 7 42 | 378 | 364 | 13 8 | 14 | 16 | |
| 374 | 374 | 373 | 372 | 373 | 374 | 374 | 374 | 370 | 16 24 | 378 | 354 | 13 16 | 24 | 17 | * |
| 371 | 370 | 369 | 371 | 371 | 372 | 372 | 373 | 368 | 8 44 | 378 | 346 | 12 40 | 32 | 18 | |
| 376 | 376 | 374 | 372 | 372 | 371 | 372 | 373 | 368 | 17 27 | 381 | 347 | 12 57 | 34 | 19 | |
| 416 | 427 | 422 | 423 | 421 | 413 | 393 | 374 | 386 | 17 12 | 442 | 352 | 6 48 | 90 | 20 | ** |
| 408 | 414 | 414 | 406 | 402 | 396 | 392 | 383 | 389 | 17 56 | 418 | 351 | 2 55 | 67 | 21 | ** |
| 404 | 404 | 407 | 405 | 403 | 396 | 390 | 386 | 388 | 18 26 | 413 | 361 | 3 59 | 52 | 22 | |
| 407 | 407 | 404 | 401 | 396 | 384 | 377 | 381 | 385 | 16 16 | 413 | 364 | 11 23 | 49 | 23 | |
| 388 | 387 | 384 | 383 | 383 | 381 | 380 | 378 | 379 | 17 44 | 392 | 356 | 11 59 | 36 | 24 | |
| 374 | 376 | 375 | 375 | 380 | 377 | 374 | 374 | 375 | 20 48 | 383 | 356 | 11 55 | 27 | 25 | * |
| 391 | 405 | 417 | 431 | 435 | 421 | 395 | 345 | 382 | 20 44 | 451† | 329† | 23 43 | 122 | 26 | ** |
| 395 | 395 | 396 | 404 | 405 | 403 | 395 | 389 | 384 | 20 32 | 408 | 333 | 4 20 | 75 | 27 | ** |
| 395 | 393 | 393 | 393 | 395 | 395 | 392 | 387 | 387 | 13 50 | 407 | 369 | 5 50 | 38 | 28 | |
| 401 | 401 | 400 | 402 | 399 | 393 | 391 | 387 | 390 | 17 24 | 407 | 377 | 10 56 | 30 | 29 | |
| 396 | 400 | 397 | 396 | 392 | 389 | 389 | 386 | 387 | 18 30 | 407 | 372 | 11 8 | 35 | 30 | |
| 392 | 392 | 389 | 387 | 387 | 386 | 388 | 382 | 385 | 17 25 | 398 | 368 | 11 1 | 30 | 31 | |
| 388 | 389 | 389 | 389 | 389 | 386 | 382 | 379 | 379 | - | 398 | 355 | - | 42.6 | Mean | |
| 374 | 374 | 374 | 374 | 376 | 375 | 375 | 375 | 371 | - | 381 | 356 | - | 25.6 | Mean | * |
| 403 | 409 | 411 | 412 | 412 | 405 | 392 | 373 | 385 | - | 426 | 343 | - | 83.4 | Mean | ** |

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

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

| U.T. | $0^h$ | $1^h$ | $2^h$ | $3^h$ | $4^h$ | $5^h$ | $6^h$ | $7^h$ | $8^h$ | $9^h$ | $10^h$ | $11^h$ | $12^h$ | $13^h$ | $14^h$ | $15^h$ | $16^h$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NOVEMBER | 43000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 374 | 374 | 374 | 374 | 375 | 375 | 374 | 379 | 377 | 372 | 364 | 363 | 371 | 377 | 385 | 386 | |
| 2 | 385 | 385 | 384 | 384 | 383 | 380 | 374 | 380 | 382 | 373 | 356 | 358 | 361 | 370 | 373 | 376 | |
| 3 | 385 | 381 | 381 | 381 | 381 | 378 | 377 | 376 | 375 | 371 | 369 | 363 | 364 | 370 | 377 | 385 | |
| 4 | 381 | 382 | 380 | 379 | 381 | 381 | 381 | 382 | 380 | 372 | 361 | 363 | 368 | 372 | 379 | 385 | |
| 5 * | 379 | 381 | 381 | 381 | 382 | 382 | 380 | 382 | 380 | 374 | 366 | 366 | 370 | 372 | 377 | 381 | |
| 6 | 380 | 380 | 381 | 382 | 380 | 376 | 378 | 380 | 381 | 375 | 370 | 363 | 363 | 370 | 376 | 383 | |
| 7 * | 381 | 381 | 381 | 381 | 380 | 380 | 380 | 382 | 381 | 375 | 364 | 360 | 363 | 372 | 379 | 381 | |
| 8 * | 381 | 381 | 380 | 381 | 380 | 380 | 379 | 381 | 380 | 375 | 367 | 364 | 369 | 373 | 375 | 379 | |
| 9 | 380 | 380 | 380 | 380 | 380 | 380 | 381 | 383 | 383 | 379 | 371 | 365 | 365 | 368 | 375 | 381 | |
| 10 ** | 393 | 386 | 365 | 344 | 353 | 362 | 367 | 374 | 373 | 379 | 378 | 374 | 382 | 393 | 405 | 409 | |
| 11 ** | 364 | 355 | 364 | 363 | 363 | 349 | 372 | 366 | 367 | 373 | 382 | 385 | 393 | 404 | 413 | 411 | |
| 12 | 366 | 385 | 399 | 401 | 402 | 401 | 401 | 403 | 407 | 400 | 401 | 405 | 413 | 434 | 436 | 448 | |
| 13 | 385 | 373 | 361 | 376 | 384 | 392 | 394 | 400 | 401 | 395 | 393 | 391 | 392 | 393 | 400 | 403 | |
| 14 ** | 391 | 392 | 378 | 364 | 360 | 353 | 353 | 366 | 381 | 385 | 384 | 383 | 395 | 403 | 403 | 402 | |
| 15 ** | 403 | 393 | 373 | 356 | 346 | 349 | 357 | 373 | 376 | 392 | 403 | 416 | 436 | 446 | 439 | 427 | |
| 16 ** | 412 | 360 | 355 | 359 | 361 | 353 | 365 | 374 | 383 | 383 | 393 | 394 | 399 | 403 | 407 | 407 | |
| 17 | 406 | 403 | 403 | 400 | 398 | 396 | 394 | 395 | 400 | 395 | 393 | 391 | 389 | 392 | 401 | 410 | |
| 18 | 402 | 391 | 389 | 385 | 379 | 376 | 380 | 385 | 393 | 395 | 396 | 392 | 393 | 403 | 406 | 405 | |
| 19 * | 393 | 395 | 395 | 395 | 394 | 393 | 390 | 392 | 393 | 391 | 389 | 383 | 383 | 389 | 395 | 394 | |
| 20 | 391 | 391 | 391 | 391 | 391 | 389 | 386 | 385 | 386 | 385 | 375 | 375 | 380 | 383 | 393 | 402 | |
| 21 | 384 | 382 | 383 | 376 | 375 | 373 | 375 | 380 | 375 | 368 | 370 | 370 | 372 | 376 | 384 | 396 | |
| 22 | 390 | 386 | 390 | 393 | 394 | 393 | 391 | 390 | 387 | 385 | 380 | 376 | 377 | 396 | 405 | 409 | |
| 23 | 371 | 387 | 395 | 401 | 396 | 394 | 391 | 391 | 392 | 391 | 387 | 389 | 399 | 414 | 423 | 422 | |
| 24 | 394 | 395 | 395 | 395 | 395 | 395 | 391 | 391 | 390 | 381 | 374 | 379 | 382 | 383 | 391 | 400 | |
| 25 | 399 | 397 | 395 | 395 | 395 | 395 | 393 | 391 | 390 | 390 | 389 | 385 | 390 | 398 | 413 | 400 | |
| 26 * | 388 | 384 | 384 | 391 | 393 | 393 | 392 | 393 | 395 | 393 | 385 | 383 | 386 | 389 | 393 | 393 | |
| 27 | 392 | 393 | 393 | 392 | 392 | 391 | 389 | 388 | 391 | 391 | 386 | 385 | 384 | 385 | 391 | 391 | |
| 28 | 406 | 407 | 406 | 404 | 401 | 396 | 393 | 390 | 390 | 388 | 391 | 391 | 385 | 389 | 392 | 392 | |
| 29 | 392 | 392 | 391 | 391 | 388 | 386 | 384 | 385 | 388 | 385 | 379 | 375 | 377 | 380 | 385 | 389 | |
| 30 | 393 | 393 | 392 | 392 | 391 | 386 | 384 | 385 | 386 | 385 | 384 | 386 | 385 | 387 | 393 | 392 | |
| Mean | 388 | 386 | 384 | 383 | 382 | 381 | 382 | 384 | 385 | 383 | 380 | 379 | 383 | 389 | 395 | 398 | |
| Mean * | 384 | 384 | 384 | 386 | 386 | 386 | 384 | 386 | 386 | 382 | 374 | 371 | 374 | 379 | 384 | 386 | |
| Mean ** | 393 | 377 | 367 | 357 | 357 | 353 | 363 | 371 | 376 | 382 | 388 | 390 | 401 | 410 | 413 | 411 | |
| DECEMBER | 43000 γ + Tabular Quantities (in γ) | | | | | | | | | | | | | | | | |
| 1 | 391 | 392 | 391 | 390 | 387 | 385 | 384 | 384 | 383 | 381 | 380 | 380 | 381 | 382 | 386 | 390 | |
| 2 | 393 | 384 | 382 | 383 | 383 | 384 | 385 | 384 | 382 | 382 | 383 | 383 | 384 | 384 | 391 | 391 | |
| 3 | 393 | 393 | 393 | 392 | 391 | 391 | 386 | 384 | 384 | 380 | 374 | 375 | 380 | 380 | 383 | 391 | |
| 4 | 386 | 386 | 381 | 376 | 381 | 382 | 382 | 383 | 383 | 376 | 371 | 371 | 370 | 371 | 378 | 383 | |
| 5 | 384 | 385 | 383 | 385 | 384 | 381 | 382 | 383 | 381 | 376 | 372 | 372 | 375 | 375 | 381 | 385 | |
| 6 | 385 | 385 | 384 | 383 | 381 | 381 | 382 | 382 | 381 | 375 | 374 | 374 | 374 | 375 | 383 | 391 | |
| 7 | 391 | 391 | 389 | 389 | 387 | 386 | 384 | 382 | 377 | 376 | 373 | 370 | 371 | 372 | 375 | 381 | |
| 8 | 376 | 376 | 380 | 381 | 381 | 381 | 379 | 381 | 380 | 374 | 373 | 374 | 373 | 372 | 378 | 383 | |
| 9 | 385 | 384 | 384 | 384 | 383 | 383 | 383 | 383 | 381 | 376 | 371 | 366 | 371 | 373 | 374 | 375 | |
| 10 ** | 383 | 383 | 382 | 374 | 365 | 366 | 366 | 371 | 372 | 373 | 370 | 371 | 373 | 380 | 389 | 394 | |
| 11 * | 396 | 393 | 392 | 391 | 391 | 388 | 385 | 385 | 384 | 383 | 380 | 375 | 377 | 377 | 381 | 383 | |
| 12 | 386 | 386 | 385 | 385 | 384 | 384 | 382 | 383 | 385 | 385 | 383 | 381 | 378 | 376 | 381 | 386 | |
| 13 ** | 412 | 404 | 396 | 391 | 388 | 385 | 385 | 385 | 385 | 380 | 376 | 374 | 382 | 387 | 402 | 406 | |
| 14 | 391 | 387 | 385 | 384 | 384 | 385 | 384 | 384 | 384 | 382 | 375 | 373 | 374 | 379 | 383 | 385 | |
| 15 * | 386 | 385 | 385 | 385 | 384 | 385 | 384 | 384 | 384 | 385 | 388 | 386 | 384 | 384 | 386 | 388 | |
| 16 * | 385 | 385 | 385 | 384 | 384 | 383 | 382 | 380 | 383 | 378 | 376 | 377 | 382 | 385 | 385 | 387 | |
| 17 * | 386 | 386 | 386 | 386 | 384 | 383 | 381 | 380 | 382 | 382 | 381 | 382 | 382 | 383 | 386 | 385 | |
| 18 | 384 | 384 | 384 | 384 | 383 | 382 | 377 | 377 | 378 | 374 | 370 | 369 | 373 | 376 | 383 | 384 | |
| 19 | 384 | 384 | 384 | 384 | 382 | 382 | 378 | 378 | 376 | 374 | 373 | 374 | 374 | 373 | 378 | 383 | |
| 20 | 380 | 378 | 381 | 383 | 382 | 382 | 377 | 377 | 381 | 382 | 382 | 377 | 377 | 376 | 382 | 387 | |
| 21 * | 380 | 378 | 381 | 382 | 382 | 381 | 378 | 375 | 373 | 366 | 364 | 366 | 365 | 369 | 375 | 378 | |
| 22 | 375 | 374 | 375 | 375 | 379 | 375 | 374 | 374 | 375 | 372 | 368 | 364 | 366 | 374 | 376 | 380 | |
| 23 | 375 | 377 | 377 | 377 | 377 | 378 | 377 | 374 | 374 | 373 | 370 | 365 | 366 | 367 | 370 | 374 | |
| 24 | 382 | 376 | 375 | 373 | 374 | 373 | 373 | 374 | 374 | 373 | 365 | 365 | 365 | 366 | 372 | 376 | |
| 25 ** | 377 | 378 | 377 | 377 | 377 | 377 | 375 | 374 | 374 | 374 | 371 | 364 | 366 | 370 | 377 | 376 | |
| 26 | 387 | 377 | 374 | 375 | 376 | 372 | 368 | 368 | 372 | 373 | 372 | 373 | 372 | 372 | 376 | 383 | |
| 27 | 379 | 379 | 377 | 377 | 376 | 376 | 376 | 377 | 382 | 384 | 380 | 376 | 377 | 382 | 384 | 391 | |
| 28 ** | 395 | 393 | 386 | 386 | 386 | 386 | 384 | 382 | 381 | 382 | 381 | 383 | 383 | 383 | 393 | 396 | |
| 29 | 386 | 384 | 375 | 376 | 378 | 379 | 380 | 379 | 378 | 377 | 371 | 371 | 372 | 378 | 384 | 391 | |
| 30 ** | 385 | 384 | 383 | 383 | 383 | 383 | 382 | 374 | 374 | 374 | 372 | 371 | 376 | 378 | 381 | 384 | |
| 31 | 389 | 390 | 388 | 387 | 385 | 382 | 382 | 381 | 377 | 379 | 374 | 373 | 374 | 374 | 378 | 382 | |
| Mean | 386 | 385 | 383 | 383 | 382 | 381 | 380 | 379 | 379 | 377 | 375 | 373 | 375 | 377 | 382 | 385 | |
| Mean * | 387 | 385 | 386 | 386 | 385 | 384 | 382 | 381 | 381 | 379 | 378 | 377 | 378 | 380 | 383 | 384 | |
| Mean ** | 390 | 388 | 385 | 382 | 380 | 379 | 378 | 377 | 377 | 377 | 374 | 373 | 376 | 380 | 388 | 391 | |

* International Quiet Day. ** International Disturbed Day.

AND EXTREME VALUES RECORDED EACH DAY

43000 γ + Tabular Quantities (in γ) NOVEMBER

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 391 | 391 | 387 | 385 | 384 | 385 | 390 | 385 | | 379 | 17 8 | 395 | 359 | 10 55 | 36 | 1 |
| 381 | 380 | 378 | 380 | 383 | 383 | 384 | 386 | | 377 | 23 54 | 390 | 350 | 10 44 | 40 | 2 |
| 385 | 384 | 383 | 385 | 385 | 385 | 383 | 381 | | 379 | 21 16 | 389 | 357 | 11 52 | 32 | 3 |
| 385 | 384 | 383 | 382 | 383 | 381 | 381 | 381 | | 379 | 16 30 | 389 | 357 | 11 2 | 32 | 4 |
| 382 | 382 | 381 | 382 | 382 | 381 | 381 | 376 | | 378 | 17 19 | 387 | 364 | 11 32 | 23 | 5 * |
| 389 | 386 | 386 | 385 | 386 | 385 | 384 | 384 | | 379 | 16 45 | 394 | 359 | 11 43 | 35 | 6 |
| 383 | 383 | 383 | 383 | 384 | 384 | 382 | 381 | | 379 | 17 20 | 387 | 356 | 11 58 | 31 | 7 * |
| 381 | 380 | 382 | 383 | 383 | 382 | 382 | 379 | | 378 | 18 26 | 387 | 360 | 11 3 | 27 | 8 * |
| 386 | 385 | 385 | 390 | 391 | 389 | 388 | 385 | | 380 | 20 32 | 411 | 360 | 11 3 | 51 | 9 |
| 415 | 428 | 451 | 452 | 439 | 420 | 405 | 370 | | 392 | 18 46 | 463† | 337 | 3 6 | 126 | 10 ** |
| 407 | 410 | 420 | 430 | 427 | 405 | 385 | 375 | | 387 | 20 14 | 439 | 337 | 5 6 | 102 | 11 ** |
| 454 | 451 | 443 | 433 | 430 | 416 | 405 | 394 | | 414 | 17 28 | 463† | 355 | 0 19 | 108 | 12 |
| 406 | 402 | 401 | 399 | 397 | 394 | 394 | 393 | | 392 | 16 26 | 411 | 356 | 2 14 | 55 | 13 |
| 407 | 412 | 412 | 417 | 411 | 385 | 400 | 393 | | 389 | 20 31 | 434 | 348 | 5 40 | 86 | 14 ** |
| 420 | 413 | 417 | 423 | 415 | 414 | 413 | 412 | | 401 | 13 25 | 455 | 333† | 5 7 | 122 | 15 ** |
| 411 | 410 | 413 | 414 | 402 | 403 | 403 | 405 | | 390 | 19 44 | 424 | 346 | 5 2 | 78 | 16 ** |
| 415 | 415 | 417 | 416 | 411 | 407 | 405 | 407 | | 402 | 16 54 | 424 | 385 | 11 10 | 39 | 17 |
| 403 | 400 | 402 | 402 | 400 | 396 | 395 | 393 | | 394 | 14 29 | 410 | 374 | 5 37 | 36 | 18 |
| 397 | 394 | 394 | 393 | 391 | 390 | 386 | 389 | | 392 | 16 42 | 403 | 380 | 12 3 | 23 | 19 * |
| 402 | 401 | 404 | 402 | 400 | 396 | 393 | 391 | | 391 | 18 46 | 408 | 371 | 10 57 | 37 | 20 |
| 408 | 405 | 404 | 405 | 399 | 396 | 395 | 393 | | 385 | 16 27 | 416 | 363 | 9 43 | 53 | 21 |
| 420 | 433 | 447 | 441 | 423 | 411 | 400 | 374 | | 400 | 18 56 | 454 | 373 | 12 2 | 81 | 22 |
| 424 | 427 | 423 | 416 | 410 | 405 | 401 | 396 | | 402 | 17 30 | 433 | 361 | 0 7 | 72 | 23 |
| 403 | 405 | 419 | 421 | 413 | 410 | 403 | 403 | | 396 | 19 24 | 425 | 372 | 10 56 | 53 | 24 |
| 395 | 401 | 408 | 402 | 401 | 397 | 393 | 391 | | 396 | 14 17 | 425 | 381 | 13 37 | 44 | 25 |
| 395 | 394 | 394 | 394 | 395 | 394 | 392 | 391 | | 391 | 16 29 | 400 | 378 | 11 4 | 22 | 26 * |
| 393 | 391 | 391 | 393 | 400 | 409 | 415 | 405 | | 393 | 22 47 | 420 | 382 | 13 29 | 38 | 27 |
| 392 | 391 | 392 | 392 | 393 | 393 | 393 | 391 | | 394 | 0 55 | 416 | 382 | 13 2 | 34 | 28 |
| 389 | 385 | 392 | 399 | 395 | 397 | 391 | 391 | | 388 | 19 10 | 403 | 372 | 12 3 | 31 | 29 |
| 392 | 386 | 390 | 391 | 392 | 394 | 393 | 392 | | 389 | 0 44 | 398 | 383 | 12 40 | 15 | 30 |
| 400 | 400 | 403 | 403 | 400 | 396 | 394 | 390 | | 390 | - | 415 | 363 | - | 52.1 | Mean |
| 388 | 387 | 387 | 387 | 387 | 386 | 385 | 383 | | 384 | - | 393 | 368 | - | 25.2 | Mean * |
| 412 | 415 | 423 | 427 | 419 | 405 | 401 | 391 | | 392 | - | 443 | 340 | - | 102.8 | Mean ** |

43000 γ + Tabular Quantities (in γ) DECEMBER

| 16h | 17h | 18h | 19h | 20h | 21h | 22h | 23h | 24h | Mean | Maximum h m | | Minimum h m | | Range γ | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 390 | 387 | 386 | 388 | 391 | 393 | 393 | 393 | | 387 | 23 46 | 398 | 377 | 9 57 | 21 | 1 |
| 393 | 395 | 393 | 393 | 394 | 393 | 392 | 392 | | 388 | 20 23 | 399 | 380 | 11 33 | 19 | 2 |
| 392 | 390 | 390 | 390 | 391 | 390 | 385 | 386 | | 387 | 16 18 | 398 | 369 | 10 58 | 29 | 3 |
| 386 | 386 | 386 | 388 | 388 | 385 | 384 | 383 | | 381 | 17 14 | 394 | 368 | 13 5 | 26 | 4 |
| 391 | 392 | 394 | 393 | 391 | 387 | 385 | 384 | | 383 | 17 21 | 399 | 367 | 11 6 | 32 | 5 |
| 396 | 395 | 395 | 400 | 400 | 390 | 391 | 389 | | 385 | 20 43 | 407 | 370 | 10 59 | 37 | 6 |
| 385 | 392 | 393 | 391 | 391 | 385 | 383 | 383 | | 383 | 17 52 | 398 | 364 | 11 55 | 34 | 7 |
| 386 | 388 | 384 | 385 | 392 | 391 | 387 | 389 | | 381 | 20 36 | 397 | 367 | 12 56 | 30 | 8 |
| 383 | 384 | 385 | 384 | 391 | 391 | 387 | 385 | | 381 | 20 40 | 394 | 364 | 11 30 | 30 | 9 |
| 394 | 395 | 395 | 395 | 394 | 394 | 403 | 403 | | 383 | 22 51 | 407 | 364 | 4 13 | 43 | 10 ** |
| 385 | 384 | 383 | 385 | 386 | 388 | 387 | 387 | | 385 | 0 16 | 400 | 373 | 11 59 | 27 | 11 * |
| 391 | 394 | 407 | 418 | 422 | 424 | 422 | 420 | | 393 | 22 51 | 429† | 374 | 13 46 | 55 | 12 |
| 401 | 396 | 395 | 395 | 398 | 401 | 396 | 392 | | 392 | 0 13 | 418 | 370 | 11 25 | 48 | 13 ** |
| 387 | 386 | 386 | 391 | 392 | 392 | 391 | 392 | | 385 | 23 4 | 398 | 369 | 11 55 | 29 | 14 |
| 391 | 387 | 385 | 386 | 387 | 386 | 385 | 387 | | 386 | 15 22 | 394 | 381 | 8 50 | 13 | 15 * |
| 389 | 386 | 384 | 384 | 384 | 384 | 384 | 384 | | 383 | 16 20 | 396 | 374 | 11 9 | 22 | 16 * |
| 384 | 384 | 383 | 382 | 382 | 381 | 382 | 384 | | 383 | 14 50 | 390 | 378 | 13 9 | 12 | 17 * |
| 391 | 392 | 392 | 387 | 386 | 384 | 382 | 384 | | 382 | 16 53 | 398 | 365 | 12 0 | 33 | 18 |
| 385 | 385 | 384 | 385 | 384 | 384 | 384 | 383 | | 381 | 23 25 | 391 | 369 | 13 8 | 22 | 19 |
| 392 | 386 | 385 | 384 | 385 | 384 | 382 | 381 | | 382 | 16 28 | 395 | 375 | 13 51 | 20 | 20 |
| 381 | 377 | 376 | 380 | 380 | 378 | 378 | 375 | | 376 | 16 10 | 384 | 359† | 10 10 | 25 | 21 * |
| 384 | 384 | 382 | 384 | 382 | 381 | 377 | 375 | | 376 | 16 43 | 391 | 361 | 11 33 | 30 | 22 |
| 381 | 377 | 382 | 382 | 383 | 383 | 384 | 384 | | 376 | 20 20 | 386 | 365 | 13 4 | 21 | 23 |
| 382 | 376 | 378 | 383 | 384 | 384 | 382 | 378 | | 375 | 20 37 | 390 | 361 | 12 2 | 29 | 24 |
| 382 | 383 | 388 | 396 | 400 | 402 | 402 | 393 | | 380 | 21 52 | 412 | 361 | 11 57 | 51 | 25 ** |
| 384 | 382 | 382 | 384 | 384 | 384 | 384 | 382 | | 377 | 0 8 | 391 | 368 | 13 3 | 23 | 26 |
| 392 | 402 | 404 | 404 | 414 | 408 | 402 | 398 | | 387 | 20 35 | 421 | 374 | 6 50 | 47 | 27 |
| 392 | 391 | 395 | 394 | 394 | 387 | 385 | 386 | | 388 | 18 33 | 404 | 376 | 8 29 | 28 | 28 ** |
| 392 | 389 | 385 | 386 | 386 | 386 | 385 | 385 | | 381 | 15 20 | 396 | 367 | 11 14 | 29 | 29 |
| 390 | 387 | 385 | 387 | 391 | 392 | 391 | 387 | | 382 | 19 45 | 395 | 362 | 11 31 | 33 | 30 ** |
| 384 | 382 | 382 | 383 | 382 | 382 | 383 | 383 | | 382 | 0 51 | 392 | 368 | 11 53 | 24 | 31 |
| 388 | 388 | 388 | 389 | 391 | 389 | 388 | 387 | | 383 | - | 399 | 369 | - | 29.7 | Mean |
| 386 | 384 | 382 | 383 | 384 | 383 | 383 | 383 | | 383 | - | 393 | 373 | - | 19.8 | Mean * |
| 392 | 390 | 392 | 393 | 395 | 395 | 395 | 392 | | 385 | - | 407 | 367 | - | 40.6 | Mean ** |

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

TABLE IV. - K-INDICES

| Date | January | | February | | March | | April | | May | | June | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Indices | Sum | Indices | Sum | Indices | Sum | Indices | Sum | Indices | Sum | Indices | Sum |
| 1 | 3223 2444 | 24 | 3332 2343 | 23 | 2334 3244 | 25 | 3431 2313 | 20 | 3433 4421 | 24 | 3434 4432 | 27 |
| 2 | 3322 3444 | 25 | 3233 2443 | 24 | 3434 3433 | 27 | 1223 4344 | 23 | 1222 2222 | 15 | 3333 4431 | 24 |
| 3 | 3323 2324 | 22 | 3322 3234 | 22 | 4456 5566 | 41 | 3433 4333 | 26 | 2223 2333 | 20 | 3222 3323 | 20 |
| 4 | 3322 2354 | 24 | 2222 2233 | 18 | 5333 3321 | 23 | 3333 2232 | 21 | 2224 4333 | 23 | 2223 3432 | 21 |
| 5 | 3322 3242 | 21 | 0112 2233 | 14 | 1222 2332 | 17 | 2212 3344 | 21 | 3233 3443 | 25 | 2332 3432 | 22 |
| 6 | 4222 4443 | 25 | 4112 2211 | 14 | 3232 4242 | 22 | 2133 4334 | 23 | 0223 3312 | 16 | 2223 5422 | 22 |
| 7 | 2102 2533 | 18 | 1121 2112 | 11 | 0113 2222 | 13 | 4333 3322 | 23 | 3222 2132 | 17 | 2232 2332 | 19 |
| 8 | 2112 1131 | 12 | 2002 1111 | 8 | 1112 1110 | 8 | 2233 3221 | 18 | 0222 2221 | 13 | 3234 3443 | 26 |
| 9 | 2323 3332 | 21 | 2122 1010 | 9 | 0021 1212 | 9 | 1232 3132 | 17 | 1212 1221 | 12 | 2343 4343 | 26 |
| 10 | 0233 3554 | 25 | 0122 2122 | 12 | 1233 2245 | 22 | 1123 3323 | 18 | 1122 2220 | 12 | 3333 3534 | 27 |
| 11 | 5434 3352 | 29 | 4322 3354 | 26 | 5332 3224 | 24 | 2223 3343 | 22 | 2323 1224 | 19 | 4343 4343 | 28 |
| 12 | 1233 2364 | 24 | 5443 2223 | 25 | 3122 3332 | 19 | 3233 3332 | 22 | 4444 4544 | 33 | 3333 3333 | 24 |
| 13 | 4321 2121 | 16 | 2123 2212 | 15 | 2322 2214 | 18 | 2232 3221 | 17 | 2354 3333 | 26 | 3222 3434 | 23 |
| 14 | 1224 3233 | 20 | 2123 2100 | 11 | 3233 3223 | 21 | 0133 3322 | 17 | 2233 3433 | 23 | 3344 3343 | 27 |
| 15 | 0012 2102 | 8 | 1123 2123 | 15 | 2122 2321 | 15 | 1133 3332 | 19 | 3343 4644 | 31 | 4433 4544 | 31 |
| 16 | 3122 2121 | 14 | 3423 3443 | 26 | 1123 2113 | 14 | 2333 3433 | 24 | 4655 7656 | 44 | 3333 4342 | 25 |
| 17 | 1222 2113 | 14 | 2223 2210 | 14 | 1122 2112 | 12 | 4432 3333 | 25 | 5454 4422 | 30 | 1213 3433 | 20 |
| 18 | 5443 4456 | 35 | 1123 2221 | 14 | 1122 3322 | 16 | 2333 3324 | 23 | 2332 2222 | 18 | 3122 2322 | 17 |
| 19 | 5343 4443 | 30 | 4134 3223 | 22 | 3222 3234 | 21 | 2332 3321 | 19 | 1223 2323 | 18 | 1122 3334 | 19 |
| 20 | 2122 2111 | 12 | 1112 3201 | 11 | 4222 3323 | 21 | 3222 2233 | 19 | 2144 4444 | 27 | 2122 3333 | 19 |
| 21 | 3011 2334 | 17 | 1122 3342 | 18 | 4343 3445 | 30 | 3234 5566 | 34 | 4432 3331 | 23 | 3223 2333 | 21 |
| 22 | 5434 2142 | 25 | 4334 4322 | 25 | 5543 3445 | 33 | 5655 3534 | 36 | 2233 4242 | 22 | 3223 3332 | 21 |
| 23 | 1332 3355 | 25 | 2012 2421 | 14 | 5443 2221 | 23 | 3233 3222 | 20 | 2013 4445 | 23 | 3223 3345 | 25 |
| 24 | 3434 4454 | 31 | 0012 2323 | 13 | 2133 4544 | 26 | 2223 3212 | 17 | 5455 6646 | 41 | 4423 5645 | 33 |
| 25 | 5332 1233 | 22 | 0476 5564 | 37 | 4213 2345 | 24 | 3123 2332 | 19 | 5654 3433 | 33 | 5544 4442 | 32 |
| 26 | 1122 2012 | 11 | 3124 3142 | 20 | 3333 3344 | 26 | 2333 3346 | 27 | 4332 3333 | 24 | 2333 3443 | 25 |
| 27 | 2123 4563 | 26 | 3332 2254 | 24 | 3222 3433 | 22 | 8865 5554 | 46 | 3222 2323 | 19 | 3433 3432 | 25 |
| 28 | 4534 4353 | 31 | 4422 2344 | 25 | 4422 3344 | 26 | 5432 2456 | 31 | 3333 3221 | 20 | 2232 3332 | 20 |
| 29 | 2223 4443 | 24 | 4343 3545 | 31 | 5443 3444 | 31 | 5555 4423 | 33 | 2122 3554 | 24 | 2233 3343 | 23 |
| 30 | 4322 3534 | 26 | | | 0332 3234 | 20 | 6544 5443 | 35 | 3333 3423 | 24 | 2444 4542 | 29 |
| 31 | 3324 3333 | 24 | | | 4332 3332 | 23 | | | 1323 2223 | 18 | | |

FOR THE YEAR 1956

| Date | July | | August | | September | | October | | November | | December | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Indices | Sum | Indices | Sum | Indices | Sum | Indices | Sum | Indices | Sum | Indices | Sum |
| 1 | 2233 3433 | 23 | 4222 3322 | 20 | 3323 3333 | 23 | 2323 3334 | 23 | 4322 3323 | 22 | 2123 3233 | 19 |
| 2 | 3143 3442 | 24 | 3213 3232 | 19 | 5665 4443 | 37 | 5343 4344 | 30 | 2223 3323 | 20 | 4223 3333 | 23 |
| 3 | 3333 3311 | 20 | 2232 3312 | 18 | 4554 4333 | 31 | 3333 3444 | 27 | 4334 3333 | 26 | 2233 3342 | 22 |
| 4 | 1223 2322 | 17 | 2222 3332 | 19 | 2333 3232 | 21 | 3123 3333 | 21 | 3333 3323 | 23 | 3323 2333 | 22 |
| 5 | 1223 3323 | 19 | 1322 1321 | 15 | 3323 3223 | 21 | 1243 2333 | 21 | 2233 2223 | 19 | 3222 3321 | 18 |
| 6 | 2223 3320 | 17 | 2223 2332 | 19 | 3334 4333 | 26 | 3334 4334 | 27 | 2333 3333 | 23 | 1221 3344 | 20 |
| 7 | 0222 2321 | 14 | 1222 2222 | 15 | 3233 3322 | 21 | 3333 3443 | 26 | 3234 3232 | 22 | 2322 2423 | 20 |
| 8 | 4232 3234 | 23 | 2223 3443 | 23 | 2135 8853 | 35 | 3233 3343 | 24 | 2223 3221 | 17 | 3233 2132 | 19 |
| 9 | 3332 3312 | 20 | 2234 4454 | 28 | 3244 4344 | 28 | 3233 3333 | 23 | 2223 3354 | 24 | 1212 2233 | 16 |
| 10 | 1133 2453 | 22 | 3333 3323 | 23 | 3322 3332 | 21 | 3222 2222 | 17 | 4444 4456 | 35 | 3434 3334 | 27 |
| 11 | 3332 4433 | 25 | 5444 4443 | 32 | 2323 3322 | 20 | 2223 3222 | 18 | 5554 4355 | 36 | 2222 2121 | 14 |
| 12 | 2332 3232 | 20 | 3333 4344 | 27 | 2223 3234 | 21 | 1123 3223 | 17 | 5344 5555 | 36 | 0112 2444 | 18 |
| 13 | 3212 4554 | 26 | 1123 3333 | 19 | 4423 2332 | 23 | 2223 2211 | 15 | 4323 3323 | 23 | 4333 4333 | 26 |
| 14 | 4212 3334 | 22 | 3222 2222 | 17 | 1222 2212 | 14 | 1122 2111 | 11 | 3454 3465 | 34 | 3323 2232 | 20 |
| 15 | 2112 2232 | 15 | 2222 3222 | 17 | 2213 2213 | 16 | 0022 2222 | 12 | 5566 5443 | 38 | 1112 2210 | 10 |
| 16 | 2322 3322 | 19 | 1122 2433 | 18 | 3122 3323 | 19 | 1222 2221 | 14 | 5544 3353 | 32 | 0112 1110 | 7 |
| 17 | 1223 2222 | 16 | 4444 4422 | 28 | 1222 2221 | 14 | 1122 2112 | 12 | 2223 4443 | 24 | 1112 1110 | 8 |
| 18 | 1111 2322 | 13 | 2122 2222 | 15 | 2123 2211 | 14 | 1222 1121 | 12 | 3433 3232 | 23 | 1121 3211 | 12 |
| 19 | 3232 4334 | 24 | 0112 3222 | 13 | 1122 1212 | 12 | 2222 2221 | 15 | 0122 2221 | 12 | 0022 2223 | 13 |
| 20 | 4232 4422 | 23 | 1122 2321 | 14 | 2444 4644 | 32 | 1343 4545 | 29 | 1023 3343 | 19 | 2112 1111 | 10 |
| 21 | 1012 2122 | 11 | 1224 6533 | 26 | 5543 4433 | 31 | 4443 3344 | 29 | 4333 3335 | 27 | 1122 2222 | 14 |
| 22 | 1112 3322 | 15 | 3223 4333 | 23 | 3343 3443 | 27 | 3332 3233 | 22 | 4323 4445 | 29 | 1222 3220 | 14 |
| 23 | 2222 4444 | 24 | 3243 5345 | 29 | 3233 3312 | 20 | 4332 3343 | 25 | 4434 3432 | 27 | 0023 2123 | 13 |
| 24 | 4245 4422 | 27 | 6435 4645 | 37 | 1122 3133 | 16 | 2322 2231 | 17 | 2222 3443 | 22 | 3333 2222 | 20 |
| 25 | 3334 3434 | 27 | 4334 4544 | 31 | 3222 3334 | 22 | 1122 2232 | 15 | 2222 6433 | 24 | 2124 4335 | 24 |
| 26 | 4344 4544 | 32 | 5343 3442 | 28 | 3333 2321 | 20 | 3343 4466 | 33 | 3122 2221 | 15 | 3333 2210 | 17 |
| 27 | 3333 4333 | 25 | 3333 4322 | 23 | 0133 3333 | 19 | 6543 3343 | 31 | 2222 1155 | 20 | 0011 1344 | 14 |
| 28 | 3334 4444 | 29 | 4323 3432 | 24 | 3332 2322 | 20 | 3333 3223 | 22 | 4333 2233 | 23 | 3243 4343 | 26 |
| 29 | 3243 4532 | 26 | 2233 4423 | 23 | 2222 2223 | 17 | 2123 2242 | 18 | 3232 2344 | 23 | 4322 3232 | 21 |
| 30 | 3233 3232 | 21 | 3233 3331 | 21 | 3323 3213 | 20 | 1223 3321 | 17 | 3323 3223 | 21 | 2134 3233 | 21 |
| 31 | 1223 4322 | 19 | 1234 4543 | 26 | | | 1122 3314 | 17 | | | 2123 3221 | 16 |

## TABLE V. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS

All Days

### DECLINATION WEST (Unit 0.′01)

| Month and Season, 1956 | Universal Time. Hour commencing | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| January | -259 | -208 | -139 | -139 | - 74 | - 40 | - 6 | - 16 | - 73 | - 59 | + 56 | +200 | +383 |
| February | -230 | -214 | -165 | -102 | - 94 | -100 | - 89 | -135 | -241 | ***-259*** | -120 | +145 | +398 |
| March | -365 | -291 | -285 | -260 | -203 | -176 | -156 | -264 | -337 | -286 | - 52 | +308 | +600 |
| April | -287 | -344 | -365 | -342 | -319 | -307 | -441 | -464 | ***-471*** | -361 | + 26 | +448 | +719 |
| May | -224 | -248 | -216 | -216 | -259 | -311 | -516 | ***-562*** | -487 | -303 | + 25 | +348 | +648 |
| June | -159 | -111 | -181 | -217 | -279 | -343 | -501 | ***-558*** | -529 | -333 | - 59 | +259 | +516 |
| July | -157 | -200 | -202 | -262 | -319 | -445 | ***-518*** | -516 | -451 | -282 | - 34 | +262 | +544 |
| August | -135 | -212 | -261 | -262 | -287 | -441 | -572 | ***-618*** | -541 | -314 | + 81 | +476 | +786 |
| September | -183 | -200 | -228 | -254 | -248 | -217 | -375 | -524 | ***-576*** | -365 | + 32 | +475 | +761 |
| October | -242 | -242 | -213 | -189 | -136 | -135 | -200 | -362 | ***-469*** | -380 | - 80 | +286 | +582 |
| November | -428 | -282 | -231 | -218 | -102 | -113 | - 74 | -133 | -267 | -261 | - 44 | +232 | +464 |
| December | -236 | -203 | -150 | -119 | -112 | -104 | - 92 | - 82 | -132 | -214 | -124 | + 73 | +252 |
| Year | -242 | -230 | -220 | -215 | -203 | -228 | -295 | -353 | ***-381*** | -285 | - 24 | +293 | +554 |
| Winter | -288 | -227 | -169 | -144 | - 95 | - 89 | - 65 | - 91 | -178 | -198 | - 58 | +163 | +374 |
| Equinox | -269 | -269 | -273 | -261 | -227 | -209 | -293 | -404 | ***-463*** | -348 | - 18 | +379 | +665 |
| Summer | -169 | -193 | -215 | -239 | -286 | -385 | -524 | ***-564*** | -502 | -308 | + 3 | +336 | +624 |

### INCLINATION (Unit 0.′01)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | - 49 | - 30 | - 32 | - 36 | - 74 | ***-112*** | -108 | - 96 | - 52 | - 6 | + 37 | + 44 | + 31 |
| February | - 30 | - 21 | - 34 | - 39 | - 62 | - 71 | - ***89*** | - 53 | - 18 | + 18 | + 56 | + ***83*** | + 72 |
| March | - 3 | - 22 | - 48 | - 45 | - 44 | - 70 | - ***82*** | - 49 | + 3 | + 56 | +***111*** | + 98 | + 72 |
| April | - 41 | - 57 | - 62 | - 45 | - ***72*** | - 57 | - 12 | + 52 | + 94 | +151 | +***173*** | +141 | + 83 |
| May | - 57 | - 79 | - 74 | - 80 | - 90 | - 52 | + 3 | + 71 | +141 | +***171*** | +163 | +135 | + 98 |
| June | - 45 | - 55 | - 55 | - 44 | - 21 | - 9 | + 52 | +116 | +150 | +***157*** | +137 | + 91 | + 71 |
| July | - 47 | - 43 | - 37 | - 41 | - 50 | - 30 | + 25 | + 90 | +141 | +***154*** | +150 | +110 | + 70 |
| August | - ***81*** | - 80 | - 62 | - 60 | - 56 | - 40 | + 6 | + 63 | +116 | +145 | +***148*** | +116 | + 55 |
| September | - 76 | - 77 | - 76 | - 83 | - ***93*** | - 73 | - 52 | + 25 | +102 | +163 | +***172*** | +132 | + 88 |
| October | - 87 | - 80 | - 84 | - 87 | - 86 | ***-103*** | - 99 | - 51 | + 40 | +112 | +***148*** | +137 | +122 |
| November | - 30 | - 18 | - 51 | - 61 | - 93 | -100 | ***-105*** | - 80 | - 10 | + 47 | + 85 | +124 | +***138*** |
| December | - 10 | - 24 | - 31 | - 28 | - 44 | - 62 | - ***84*** | - 77 | - 59 | - 23 | + 19 | + 66 | + ***83*** |
| Year | - 46 | - 49 | - 54 | - 54 | - ***65*** | - ***65*** | - 45 | + 1 | + 54 | + 95 | +***117*** | +106 | + 82 |
| Winter | - 30 | - 23 | - 37 | - 41 | - 68 | - 86 | - ***96*** | - 76 | - 35 | + 9 | + 49 | + 79 | + ***81*** |
| Equinox | - 52 | - 59 | - 68 | - 65 | - 74 | - ***76*** | - 61 | - 6 | + 60 | +120 | +***151*** | +127 | + 91 |
| Summer | - 57 | - 64 | - 57 | - 56 | - 54 | - 33 | + 21 | + 85 | +137 | +***157*** | +150 | +113 | + 73 |

### HORIZONTAL INTENSITY (Unit 0.1γ)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | + 54 | + 20 | + 25 | + 34 | + 90 | +***137*** | +132 | +118 | + 59 | - 11 | - 70 | - 87 | - 69 |
| February | + 36 | + 24 | + 42 | + 47 | + 78 | + 88 | +***114*** | + 66 | + 16 | - 46 | -120 | -***165*** | -141 |
| March | - 6 | + 14 | + 55 | + 53 | + 53 | + 92 | +***109*** | + 68 | - 12 | -111 | -***214*** | -210 | -167 |
| April | + 64 | + 71 | + 57 | + 17 | + 69 | + 53 | - 4 | - 89 | -163 | -269 | -***322*** | -278 | -189 |
| May | + 64 | + 93 | + 77 | + 82 | +102 | + 46 | - 34 | -137 | -249 | -307 | -***316*** | -281 | -210 |
| June | + 62 | + 63 | + 61 | + 51 | + 24 | + 9 | - 83 | -183 | -246 | -***280*** | -277 | -225 | -190 |
| July | + 68 | + 58 | + 53 | + 63 | + 82 | + 55 | - 31 | -136 | -228 | -265 | -***280*** | -241 | -188 |
| August | +113 | +103 | + 79 | + 81 | + 83 | + 68 | + 3 | - 90 | -186 | -256 | -***289*** | -258 | -166 |
| September | +122 | +117 | +108 | +110 | +120 | + 88 | + 66 | - 41 | -169 | -274 | -***316*** | -272 | -202 |
| October | +125 | +112 | +113 | +116 | +116 | +***141*** | +***141*** | + 84 | - 56 | -184 | -***265*** | -264 | -237 |
| November | + 39 | + 10 | + 52 | + 63 | +109 | +112 | +***122*** | + 96 | - 3 | - 98 | -168 | -230 | -***235*** |
| December | + 29 | + 43 | + 47 | + 40 | + 62 | + 86 | +***113*** | +100 | + 72 | + 11 | - 65 | -140 | -***160*** |
| Year | + 64 | + 61 | + 64 | + 63 | + 82 | + 81 | + 54 | - 12 | - 97 | -174 | -***225*** | -221 | -179 |
| Winter | + 39 | + 24 | + 41 | + 46 | + 85 | +106 | +***120*** | + 95 | + 36 | - 36 | -106 | -***155*** | -151 |
| Equinox | + 76 | + 79 | + 83 | + 74 | + 89 | + 93 | + 78 | + 6 | -100 | -209 | -***279*** | -256 | -199 |
| Summer | + 77 | + 79 | + 68 | + 69 | + 73 | + 45 | - 36 | -136 | -227 | -277 | -***290*** | -251 | -188 |

## DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

All Days

### DECLINATION WEST (Unit 0.′01)

Universal Time. Hour commencing

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Range ′ | Month and Season, 1956 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +485 | +426 | +342 | +213 | +195 | + 91 | -195 | -299 | -336 | -273 | -275 | 8.21 | January |
| +517 | +506 | +437 | +298 | +169 | + 72 | - 33 | -184 | -159 | -218 | -191 | 7.76 | February |
| +785 | +759 | +623 | +426 | +241 | + 67 | + 21 | - 47 | -247 | -427 | -426 | 12.12 | March |
| +852 | +795 | +630 | +432 | +258 | +102 | + 36 | - 21 | -138 | -166 | -261 | 13.23 | April |
| +746 | +733 | +580 | +361 | +150 | + 30 | - 40 | + 2 | - 30 | - 60 | -152 | 13.08 | May |
| +646 | +675 | +543 | +402 | +245 | +139 | + 65 | + 56 | - 32 | - 95 | -155 | 12.33 | June |
| +689 | +663 | +520 | +367 | +230 | +131 | + 70 | + 29 | + 14 | - 40 | - 89 | 12.07 | July |
| +937 | +823 | +550 | +296 | +104 | - 36 | - 45 | - 42 | - 86 | - 77 | -116 | 15.55 | August |
| +836 | +745 | +463 | +224 | + 68 | + 5 | - 45 | - 99 | - 70 | - 73 | -152 | 14.12 | September |
| +663 | +597 | +466 | +341 | +187 | +125 | + 51 | -119 | -132 | -169 | -228 | 11.32 | October |
| +548 | +509 | +406 | +366 | +315 | +191 | + 83 | - 24 | -186 | -289 | -467 | 10.15 | November |
| +391 | +380 | +344 | +268 | +208 | +190 | +102 | - 37 | -143 | -230 | -242 | 6.33 | December |
| +675 | +634 | +492 | +333 | +198 | + 92 | + 6 | - 65 | -129 | -176 | -230 | 11.36 | Year |
| +485 | +455 | +382 | +286 | +222 | +136 | - 11 | -136 | -206 | -252 | -294 | 8.11 | Winter |
| +784 | +724 | +545 | +356 | +189 | + 75 | + 16 | - 71 | -147 | -209 | -267 | 12.72 | Equinox |
| +755 | +723 | +548 | +356 | +182 | + 66 | + 12 | + 11 | - 33 | - 68 | -128 | 13.26 | Summer |

### INCLINATION (Unit 0.′01)

| | | | | | | | | | | | ′ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + 20 | + 26 | + 29 | + 52 | + 45 | + 72 | + 95 | + 75 | + 56 | + 22 | - 11 | 2.07 | January |
| + 56 | + 30 | + 37 | + 56 | + 39 | + 1 | + 11 | + 15 | - 7 | - 9 | - 34 | 1.72 | February |
| + 44 | + 38 | + 22 | + 23 | + 8 | - 15 | - 9 | - 17 | - 24 | - 33 | - 12 | 1.93 | March |
| + 33 | + 18 | - 9 | - 26 | - 46 | - 56 | - 45 | - 47 | - 59 | - 57 | - 43 | 2.45 | April |
| + 86 | + 56 | + 36 | + 5 | - 50 | - 67 | - 83 | - 86 | - 82 | - 91 | - 72 | 2.62 | May |
| + 43 | + 18 | - 30 | - 41 | - 55 | - 89 | - 97 | - 94 | - 79 | - 68 | - 50 | 2.54 | June |
| + 62 | + 41 | - 5 | - 38 | - 70 | - 89 | -102 | - 93 | - 81 | - 62 | - 53 | 2.56 | July |
| + 20 | + 42 | + 41 | - 2 | - 19 | - 33 | - 45 | - 68 | - 73 | - 68 | - 58 | 2.29 | August |
| + 61 | + 22 | + 51 | + 62 | + 22 | - 31 | - 45 | - 64 | - 69 | - 83 | - 79 | 2.65 | September |
| +105 | + 95 | + 72 | + 49 | + 16 | - 8 | - 5 | - 17 | - 42 | - 64 | - 79 | 2.51 | October |
| +124 | +105 | + 54 | + 21 | + 8 | + 19 | - 10 | - 39 | - 39 | - 45 | - 49 | 2.43 | November |
| + 79 | + 81 | + 61 | + 31 | + 12 | + 2 | + 5 | + 12 | + 3 | - 3 | - 15 | 1.67 | December |
| + 61 | + 48 | + 30 | + 16 | - 7 | - 24 | - 28 | - 35 | - 41 | - 47 | - 46 | 2.29 | Year |
| + 70 | + 61 | + 45 | + 40 | + 26 | + 24 | + 25 | + 16 | + 3 | - 9 | - 27 | 1.97 | Winter |
| + 61 | + 43 | + 34 | + 27 | 0 | - 28 | - 26 | - 36 | - 48 | - 59 | - 53 | 2.39 | Equinox |
| + 53 | + 39 | + 10 | - 19 | - 48 | - 69 | - 82 | - 85 | - 79 | - 72 | - 58 | 2.50 | Summer |

### HORIZONTAL INTENSITY (Unit 0.1γ)

| | | | | | | | | | | | γ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - 38 | - 27 | - 16 | - 42 | - 30 | - 63 | - 91 | - 69 | - 56 | - 19 | + 17 | 22.8 | January |
| -102 | - 42 | - 34 | - 41 | - 15 | + 36 | + 17 | + 15 | + 37 | + 28 | + 52 | 27.9 | February |
| -104 | - 62 | - 8 | + 18 | + 47 | + 87 | + 73 | + 79 | + 73 | + 61 | + 10 | 32.3 | March |
| - 86 | - 26 | + 42 | +106 | +154 | +172 | +148 | +140 | +136 | +108 | + 78 | 49.4 | April |
| -147 | - 51 | + 23 | + 90 | +182 | +193 | +202 | +182 | +151 | +141 | +103 | 51.8 | May |
| -114 | - 30 | + 83 | +123 | +163 | +218 | +218 | +196 | +156 | +121 | + 78 | 49.8 | June |
| -154 | - 79 | + 30 | + 97 | +160 | +193 | +208 | +182 | +152 | +108 | + 88 | 48.8 | July |
| - 82 | - 71 | - 24 | + 65 | +100 | +114 | +124 | +140 | +133 | +113 | + 92 | 42.9 | August |
| -131 | - 26 | - 19 | - 30 | + 25 | + 93 | +110 | +131 | +127 | +141 | +129 | 45.7 | September |
| -193 | -147 | - 86 | - 36 | + 19 | + 55 | + 51 | + 68 | + 93 | +110 | +117 | 40.6 | October |
| -186 | -131 | - 44 | + 16 | + 34 | + 28 | + 74 | +104 | + 87 | + 86 | + 74 | 35.7 | November |
| -146 | -127 | - 80 | - 23 | + 2 | + 18 | + 20 | + 15 | + 24 | + 28 | + 42 | 27.3 | December |
| -124 | - 68 | - 11 | + 29 | + 70 | + 95 | + 96 | + 99 | + 93 | + 86 | + 73 | 39.6 | Year |
| -118 | - 82 | - 43 | - 22 | - 2 | + 5 | + 5 | + 16 | + 23 | + 31 | + 46 | 28.4 | Winter |
| -129 | - 65 | - 18 | + 15 | + 61 | +102 | + 96 | +105 | +107 | +105 | + 84 | 42.0 | Equinox |
| -124 | - 58 | + 28 | + 94 | +151 | +179 | +188 | +175 | +148 | +121 | + 90 | 48.3 | Summer |

## TABLE V. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL

All Days

### NORTH COMPONENT (Unit 0.1γ)

| Month and Season, 1956 | Universal Time. Hour commencing | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| January | + 75 | + 37 | + 36 | + 45 | + 95 | *+139* | +131 | +118 | + 64 | - 6 | - 74 | *-102* | -100 |
| February | + 54 | + 41 | + 55 | + 55 | + 85 | + 95 | *+120* | + 76 | + 36 | - 24 | -109 | *-175* | -172 |
| March | + 24 | + 38 | + 78 | + 74 | + 69 | +105 | *+121* | + 89 | + 16 | - 86 | -207 | *-233* | -214 |
| April | + 87 | + 98 | + 86 | + 45 | + 94 | + 77 | + 32 | - 50 | -123 | -237 | *-321* | -312 | -246 |
| May | + 82 | +112 | + 94 | + 99 | +122 | + 71 | + 9 | - 90 | -206 | -279 | *-315* | -306 | -261 |
| June | + 74 | + 71 | + 75 | + 68 | + 47 | + 37 | - 41 | -135 | -200 | -250 | *-269* | -244 | -230 |
| July | + 80 | + 74 | + 69 | + 84 | +107 | + 91 | + 12 | - 92 | -189 | -239 | *-274* | -260 | -230 |
| August | +123 | +119 | + 99 | +102 | +106 | +103 | + 50 | - 39 | -140 | -228 | -292 | *-294* | -228 |
| September | +136 | +132 | +125 | +130 | +139 | +105 | + 96 | + 2 | -120 | -241 | *-315* | -308 | -262 |
| October | +143 | +131 | +129 | +130 | +126 | +150 | *+156* | +113 | - 17 | -151 | -256 | *-284* | -282 |
| November | + 74 | + 33 | + 70 | + 80 | +116 | +120 | *+127* | +106 | + 19 | - 76 | -163 | -246 | *-270* |
| December | + 48 | + 59 | + 59 | + 49 | + 70 | + 94 | *+119* | +106 | + 82 | + 28 | - 54 | -144 | *-179* |
| Year | + 83 | + 79 | + 81 | + 80 | + 98 | + 99 | + 78 | + 17 | - 65 | -149 | -221 | *-242* | -223 |
| Winter | + 63 | + 42 | + 55 | + 57 | + 92 | +112 | *+124* | +101 | + 50 | - 19 | -100 | -167 | *-180* |
| Equinox | + 97 | +100 | +104 | + 95 | +107 | +109 | +101 | + 39 | - 61 | -179 | -275 | *-284* | -251 |
| Summer | + 90 | + 94 | + 84 | + 88 | + 96 | + 76 | + 8 | - 89 | -184 | -249 | *-287* | -276 | -237 |

### WEST COMPONENT (Unit 0.1γ)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | -132 | -109 | - 71 | - 70 | - 26 | - 1 | + 17 | + 9 | - 31 | - 33 | + 20 | + 95 | +196 |
| February | -119 | -112 | - 83 | - 48 | - 39 | - 41 | - 31 | - 63 | -128 | *-147* | - 83 | + 53 | +193 |
| March | -198 | -155 | -145 | -132 | -102 | - 81 | - 68 | -132 | -184 | -171 | - 60 | +135 | +299 |
| April | -145 | -175 | -188 | -182 | -162 | -158 | -238 | -264 | *-278* | -235 | - 34 | +200 | +359 |
| May | -111 | -120 | -105 | -104 | -124 | -161 | -283 | *-324* | -300 | -209 | - 34 | +146 | +318 |
| June | - 76 | - 50 | - 88 | -109 | -147 | -184 | -283 | *-328* | -322 | -222 | - 73 | +106 | +250 |
| July | - 74 | -100 | -101 | -132 | -160 | -232 | -284 | *-299* | -277 | -192 | - 60 | +105 | +265 |
| August | - 56 | - 99 | -129 | -129 | -142 | -228 | -308 | *-347* | -320 | -208 | 0 | +218 | +399 |
| September | - 80 | - 90 | -107 | -120 | -116 | -104 | -192 | -289 | *-336* | -238 | - 30 | +215 | +380 |
| October | -112 | -114 | - 98 | - 85 | - 56 | - 52 | - 87 | -183 | *-261* | -233 | - 83 | +115 | +278 |
| November | -225 | -151 | -117 | -108 | - 39 | - 44 | - 22 | - 57 | -144 | -155 | - 49 | + 91 | +215 |
| December | -123 | -103 | - 74 | - 58 | - 51 | - 43 | - 33 | - 29 | - 60 | -114 | - 77 | + 18 | +112 |
| Year | -121 | -115 | -109 | -106 | - 97 | -111 | -151 | -192 | *-220* | -180 | - 47 | +125 | +272 |
| Winter | -150 | -119 | - 86 | - 71 | - 39 | - 32 | - 17 | - 35 | - 91 | -112 | - 47 | + 64 | +179 |
| Equinox | -134 | -133 | -135 | -130 | -109 | - 99 | -146 | -217 | *-265* | -219 | - 52 | +166 | +329 |
| Summer | - 79 | - 92 | -106 | -118 | -143 | -201 | -289 | *-325* | -305 | -208 | - 42 | +144 | +308 |

### VERTICAL COMPONENT (Unit 0.1γ)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | - 44 | - 59 | - 52 | - 46 | - 47 | *- 71* | - 68 | - 59 | - 43 | - 45 | - 35 | - 49 | - 53 |
| February | - 19 | - 17 | - 21 | - 25 | - 34 | - 43 | - 43 | - 31 | - 26 | - 44 | - 83 | *- 94* | - 77 |
| March | - 25 | - 43 | - 39 | - 32 | - 29 | - 31 | - 31 | - 12 | - 16 | - 62 | -111 | *-148* | -137 |
| April | + 5 | - 34 | - 84 | -116 | - 91 | - 75 | - 52 | - 26 | - 50 | - 99 | -144 | *-154* | -151 |
| May | - 50 | - 58 | - 79 | - 87 | - 74 | - 73 | - 69 | - 70 | - 86 | -119 | -165 | *-184* | -146 |
| June | - 14 | - 43 | - 49 | - 35 | - 18 | - 9 | - 11 | - 23 | - 51 | -104 | -165 | *-206* | -194 |
| July | - 4 | - 13 | - 4 | + 4 | + 18 | + 22 | + 15 | - 4 | - 39 | - 78 | -128 | -175 | *-193* |
| August | - 19 | - 40 | - 31 | - 20 | - 2 | + 19 | + 28 | + 10 | - 30 | - 90 | -157 | *-195* | -194 |
| September | + 19 | + 5 | - 15 | - 34 | - 43 | - 48 | - 29 | - 9 | - 36 | - 71 | -136 | *-173* | -162 |
| October | - 11 | - 18 | - 28 | - 32 | - 31 | - 29 | - 15 | + 18 | + 8 | - 38 | -101 | *-135* | -126 |
| November | - 15 | - 40 | - 56 | - 66 | - 71 | - 86 | - 80 | - 55 | - 41 | - 63 | - 95 | *-104* | - 67 |
| December | + 31 | + 16 | + 3 | - 3 | - 9 | - 16 | - 30 | - 35 | - 36 | - 55 | - 83 | *- 96* | - 82 |
| Year | - 12 | - 29 | - 38 | - 41 | - 36 | - 37 | - 32 | - 25 | - 37 | - 72 | -117 | *-143* | -132 |
| Winter | - 12 | - 25 | - 31 | - 35 | - 40 | - 54 | - 55 | - 45 | - 36 | - 52 | - 74 | *- 86* | - 70 |
| Equinox | - 3 | - 22 | - 42 | - 53 | - 49 | - 46 | - 32 | - 7 | - 24 | - 67 | -123 | *-152* | -144 |
| Summer | - 22 | - 39 | - 41 | - 35 | - 19 | - 10 | - 9 | - 22 | - 51 | - 98 | -154 | *-190* | -182 |

## COMPONENTS OF MAGNETIC INTENSITY

### All Days

#### NORTH COMPONENT (Unit 0.1γ)

Universal Time. Hour commencing

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Range γ | Month and Season, 1956 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - 77 | - 63 | - 44 | - 59 | - 46 | - 70 | - 75 | - 44 | - 28 | + 3 | + 39 | 24.1 | January |
| -143 | - 83 | - 69 | - 65 | - 29 | + 30 | + 20 | + 30 | + 50 | + 45 | + 67 | 29.5 | February |
| -167 | -123 | - 59 | - 17 | + 27 | + 81 | + 70 | + 82 | + 92 | + 95 | + 45 | 35.4 | March |
| -155 | - 91 | - 10 | + 70 | +131 | *+162* | +143 | +140 | +146 | +120 | + 98 | 48.3 | April |
| -206 | -110 | - 25 | + 60 | +168 | +188 | *+203* | +180 | +152 | +144 | +114 | 51.8 | May |
| -166 | - 85 | + 38 | + 89 | +141 | +204 | *+210* | +189 | +157 | +127 | + 90 | 47.9 | June |
| -206 | -132 | - 13 | + 66 | +139 | +180 | *+200* | +178 | +149 | +110 | + 94 | 47.4 | July |
| -158 | -137 | - 67 | + 40 | + 90 | +116 | +126 | *+142* | +139 | +118 | +100 | 43.6 | August |
| -198 | - 87 | - 57 | - 48 | + 19 | + 92 | +112 | +138 | +131 | *+145* | +140 | 46.0 | September |
| -245 | -194 | -123 | - 63 | + 4 | + 44 | + 46 | + 77 | +103 | +123 | +134 | 44.0 | October |
| -229 | -171 | - 77 | - 14 | + 8 | + 12 | + 66 | +105 | +101 | +109 | +111 | 39.7 | November |
| -176 | -157 | -107 | - 45 | - 15 | + 2 | + 11 | + 18 | + 35 | + 46 | + 61 | 29.8 | December |
| -177 | -119 | - 51 | + 1 | + 53 | + 87 | + 94 | *+103* | +102 | + 99 | + 91 | 40.6 | Year |
| -156 | -118 | - 74 | - 46 | - 20 | - 6 | + 6 | + 27 | + 40 | + 51 | + 70 | 30.8 | Winter |
| -191 | -124 | - 62 | - 14 | + 45 | + 95 | + 93 | +109 | +118 | *+121* | +104 | 43.4 | Equinox |
| -184 | -116 | - 17 | + 64 | +134 | +172 | *+185* | +172 | +149 | +125 | + 99 | 47.7 | Summer |

#### WEST COMPONENT (Unit 0.1γ)

| | | | | | | | | | | | γ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *+256* | +226 | +182 | +109 | +101 | + 40 | -119 | -172 | *-190* | -150 | -146 | 44.6 | January |
| +264 | *+267* | +231 | +155 | + 89 | + 44 | - 15 | - 97 | - 80 | -113 | - 95 | 41.4 | February |
| *+408* | +400 | +335 | +232 | +137 | + 49 | + 22 | - 13 | -122 | -221 | *-228* | 63.6 | March |
| *+447* | +425 | +346 | +249 | +162 | + 81 | + 42 | + 10 | - 54 | - 73 | -129 | 72.5 | April |
| +380 | *+388* | +316 | +208 | +108 | + 45 | + 9 | + 28 | + 6 | - 11 | - 67 | 71.2 | May |
| +331 | *+360* | +305 | +235 | +157 | +108 | + 68 | + 60 | + 6 | - 33 | - 72 | 68.8 | June |
| *+348* | +346 | +285 | +212 | +148 | +100 | + 69 | + 43 | + 30 | - 5 | - 35 | 64.7 | July |
| *+493* | +433 | +293 | +169 | + 71 | - 2 | - 6 | - 2 | - 26 | - 25 | - 49 | 84.0 | August |
| *+431* | +398 | +247 | +116 | + 40 | + 17 | - 8 | - 34 | - 19 | - 18 | - 63 | 76.7 | September |
| *+329* | +300 | +238 | +179 | +104 | + 76 | + 35 | - 54 | - 57 | - 75 | -105 | 59.0 | October |
| *+268* | +255 | +212 | +200 | +175 | +107 | + 56 | + 3 | - 87 | -143 | *-241* | 50.9 | November |
| *+189* | +186 | +174 | +141 | +112 | +105 | + 58 | - 18 | - 74 | -120 | *-124* | 31.3 | December |
| *+345* | +332 | +264 | +184 | +117 | + 64 | + 18 | - 21 | - 56 | - 82 | -113 | 60.7 | Year |
| *+244* | +233 | +200 | +151 | +119 | + 74 | - 5 | - 71 | -108 | -131 | *-152* | 42.1 | Winter |
| *+404* | +381 | +291 | +194 | +111 | + 56 | + 23 | - 23 | - 63 | - 97 | -131 | 67.9 | Equinox |
| *+388* | +382 | +300 | +206 | +121 | + 63 | + 35 | + 32 | + 4 | - 19 | - 56 | 72.2 | Summer |

#### VERTICAL COMPONENT (Unit 0.1γ)

| | | | | | | | | | | | γ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - 18 | + 29 | + 62 | + 83 | + 87 | +105 | *+118* | +101 | + 66 | + 31 | + 1 | 18.9 | January |
| - 41 | + 7 | + 51 | *+100* | *+100* | + 86 | + 78 | + 86 | + 60 | + 34 | + 3 | 19.4 | February |
| - 88 | - 11 | + 58 | +122 | +137 | *+148* | +139 | +125 | + 84 | + 28 | - 19 | 29.6 | March |
| - 84 | + 2 | + 65 | +154 | +196 | *+205* | +188 | +162 | +109 | + 54 | + 31 | 35.9 | April |
| - 42 | + 75 | +178 | +227 | *+246* | +216 | +180 | +123 | + 66 | + 10 | - 11 | 43.0 | May |
| -113 | - 6 | + 87 | +141 | +186 | *+196* | +168 | +129 | + 87 | + 45 | + 9 | 40.2 | June |
| -140 | - 41 | + 51 | + 93 | +128 | *+137* | +127 | + 99 | + 70 | + 34 | + 21 | 33.0 | July |
| -121 | - 19 | + 87 | +145 | *+164* | +151 | +131 | + 90 | + 54 | + 27 | + 12 | 35.9 | August |
| - 93 | + 17 | +134 | *+144* | +133 | +109 | +100 | + 81 | + 55 | + 38 | + 24 | 31.7 | September |
| - 82 | - 10 | + 50 | + 87 | +100 | +100 | *+101* | + 99 | + 68 | + 34 | - 3 | 23.6 | October |
| - 1 | + 59 | + 84 | +108 | +108 | +132 | *+135* | +106 | + 67 | + 43 | 0 | 23.9 | November |
| - 64 | - 13 | + 25 | + 53 | + 46 | + 49 | + 63 | *+ 77* | + 65 | + 54 | + 44 | 17.3 | December |
| - 74 | + 7 | + 78 | +121 | *+136* | *+136* | +127 | +106 | + 71 | + 36 | + 9 | 29.4 | Year |
| - 31 | + 20 | + 55 | + 86 | + 85 | + 93 | *+ 98* | + 92 | + 65 | + 41 | + 12 | 19.9 | Winter |
| - 87 | - 1 | + 77 | +127 | *+141* | +140 | +132 | +117 | + 79 | + 38 | + 8 | 30.2 | Equinox |
| -104 | + 2 | +101 | +151 | *+181* | +175 | +152 | +110 | + 69 | + 29 | + 8 | 38.0 | Summer |

## TABLE VI. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS

International Quiet Days

### DECLINATION WEST (Unit 0.′01)

| Month and Season, 1956 | Universal Time. Hour commencing | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| January | -130 | - 82 | - 16 | - 18 | - 16 | - 56 | - 78 | -118 | *-178* | -156 | - 58 | + 36 | +220 |
| February | -114 | - 84 | - 38 | - 74 | - 58 | - 66 | -100 | -172 | -270 | *-308* | -140 | +100 | +250 |
| March | - 65 | - 89 | - 93 | - 99 | -117 | -143 | -199 | -363 | *-497* | -447 | -213 | +141 | +409 |
| April | - 85 | - 73 | - 97 | -135 | -185 | -245 | -433 | -683 | *-793* | -595 | -135 | +347 | +735 |
| May | - 33 | + 11 | - 39 | -109 | -209 | -369 | -595 | *-711* | -661 | -453 | - 75 | +323 | +653 |
| June | + 12 | + 34 | - 50 | -196 | -352 | -492 | -612 | *-676* | -572 | -336 | - 54 | +242 | +506 |
| July | - 80 | -134 | -192 | -254 | -340 | -510 | -606 | *-616* | -542 | -314 | + 30 | +358 | +630 |
| August | -126 | -124 | -166 | -236 | -256 | -416 | -470 | *-486* | -404 | -172 | +132 | +428 | +642 |
| September | -152 | -182 | -218 | -224 | -234 | -236 | -360 | -508 | *-598* | -430 | - 94 | +312 | +658 |
| October | -125 | -153 | -181 | -175 | -155 | -185 | -205 | -361 | -501 | *-507* | -291 | + 77 | +389 |
| November | -249 | -181 | -193 | -107 | -123 | -163 | -167 | -247 | -407 | *-429* | -175 | +197 | +447 |
| December | -161 | -117 | - 51 | - 35 | - 55 | - 77 | - 77 | -101 | -165 | *-263* | -157 | + 35 | +197 |
| Year | -109 | - 98 | -111 | -138 | -175 | -247 | -325 | -420 | *-466* | -368 | -102 | +216 | +478 |
| Winter | -163 | -116 | - 74 | - 58 | - 63 | - 91 | -105 | -159 | -255 | *-289* | -132 | + 92 | +278 |
| Equinox | -107 | -124 | -147 | -158 | -173 | -202 | -299 | -479 | *-597* | -495 | -183 | +219 | +548 |
| Summer | - 57 | - 53 | -112 | -199 | -289 | -447 | -571 | *-622* | -545 | -319 | + 8 | +338 | +608 |

### INCLINATION (Unit 0.′01)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | + 19 | + 21 | + 19 | + 12 | - 5 | - 16 | *- 34* | *- 34* | - 24 | + 13 | *+ 50* | *+ 50* | + 39 |
| February | + 10 | + 11 | - 1 | - 10 | - 8 | - 32 | *- 61* | - 57 | - 24 | + 15 | + 35 | *+ 62* | + 54 |
| March | - 19 | - 10 | - 10 | - 15 | - 22 | - 36 | - 51 | - 28 | + 33 | + 82 | +117 | *+118* | + 74 |
| April | - 36 | - 35 | - 22 | - 22 | - 45 | - 44 | - 21 | + 53 | +133 | +195 | *+218* | +166 | + 71 |
| May | - 30 | - 17 | - 7 | 0 | - 5 | + 6 | + 36 | + 75 | +110 | *+123* | + 96 | + 51 | + 26 |
| June | - 6 | - 17 | + 5 | + 22 | + 17 | + 24 | + 70 | +116 | *+130* | + 99 | + 70 | + 17 | - 30 |
| July | - 8 | + 1 | + 4 | - 8 | - 15 | + 3 | + 48 | + 98 | +116 | *+123* | +110 | + 79 | + 57 |
| August | - 7 | - 1 | + 12 | + 8 | 0 | + 4 | + 42 | + 76 | +118 | *+133* | + 91 | + 31 | - 23 |
| September | - 29 | - 38 | - 15 | - 19 | - 28 | - 34 | - 10 | + 37 | + 88 | +153 | *+163* | +119 | + 55 |
| October | - 23 | - 27 | - 16 | - 23 | - 31 | - 40 | - 41 | - 22 | + 27 | + 91 | *+161* | +149 | +110 |
| November | - 78 | - 43 | - 31 | - 18 | - 29 | - 39 | - 48 | - 35 | + 27 | + 78 | +142 | *+180* | +173 |
| December | + 11 | + 11 | + 8 | + 8 | - 18 | - 38 | - 61 | *- 68* | - 40 | + 23 | + 72 | *+108* | +107 |
| Year | - 16 | - 12 | - 5 | - 5 | - 16 | - 20 | - 11 | + 18 | + 58 | + 94 | *+110* | + 94 | + 59 |
| Winter | - 9 | 0 | - 1 | - 2 | - 15 | - 31 | *- 51* | - 48 | - 15 | + 32 | + 75 | *+100* | + 93 |
| Equinox | - 27 | - 28 | - 16 | - 20 | - 32 | - 38 | - 31 | + 10 | + 70 | +130 | *+165* | +138 | + 77 |
| Summer | - 13 | - 9 | + 3 | + 6 | - 1 | + 9 | + 49 | + 91 | +119 | *+119* | + 92 | + 44 | + 8 |

### HORIZONTAL INTENSITY (Unit 0.1γ)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | - 31 | - 29 | - 23 | - 11 | + 13 | + 25 | *+ 51* | + 49 | + 35 | - 29 | - 77 | *- 85* | - 75 |
| February | - 9 | - 9 | + 7 | + 19 | + 17 | + 45 | *+ 85* | + 83 | + 39 | - 33 | - 79 | *-121* | -103 |
| March | + 46 | + 32 | + 30 | + 38 | + 48 | + 68 | + 90 | + 62 | - 34 | -130 | -218 | *-250* | -186 |
| April | + 72 | + 76 | + 54 | + 56 | + 88 | + 94 | + 58 | - 56 | -202 | -332 | *-410* | -358 | -216 |
| May | + 68 | + 50 | + 34 | + 26 | + 38 | + 28 | - 18 | - 94 | -158 | -208 | *-214* | -178 | -146 |
| June | + 28 | + 34 | - 2 | - 18 | - 2 | - 8 | - 82 | -164 | *-210* | -200 | -182 | -118 | - 50 |
| July | + 28 | + 14 | + 10 | + 28 | + 42 | + 16 | - 60 | -140 | -192 | *-220* | *-220* | -188 | -164 |
| August | + 35 | + 25 | + 5 | + 13 | + 27 | + 19 | - 41 | -101 | -179 | *-217* | -185 | -121 | - 51 |
| September | + 72 | + 84 | + 48 | + 50 | + 60 | + 60 | + 40 | - 26 | -116 | -224 | *-278* | -248 | -166 |
| October | + 58 | + 58 | + 42 | + 52 | + 62 | + 72 | + 72 | + 56 | - 22 | -136 | -262 | *-274* | -224 |
| November | +121 | + 69 | + 49 | + 37 | + 53 | + 67 | + 75 | + 63 | - 31 | -125 | -253 | *-323* | -299 |
| December | + 1 | - 5 | + 1 | + 1 | + 37 | + 63 | + 89 | *+ 93* | + 53 | - 51 | -129 | *-185* | -181 |
| Year | + 41 | + 33 | + 21 | + 24 | + 40 | + 46 | + 30 | - 15 | - 85 | -159 | *-209* | -204 | -155 |
| Winter | + 20 | + 6 | + 9 | + 12 | + 30 | + 50 | *+ 75* | + 72 | + 23 | - 59 | -135 | *-178* | -165 |
| Equinox | + 62 | + 63 | + 43 | + 49 | + 65 | + 73 | + 65 | + 9 | - 93 | -206 | *-292* | -283 | -198 |
| Summer | + 40 | + 31 | + 12 | + 12 | + 26 | + 14 | - 50 | -125 | -185 | *-211* | -200 | -151 | -103 |

## DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

### International Quiet Days

#### DECLINATION WEST (Unit 0.′01)

Universal Time. Hour commencing

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Range ′ | Month and Season, 1956 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +340 | +246 | +162 | +112 | + 84 | + 74 | - 26 | - 44 | - 92 | -112 | -102 | 5.18 | January |
| +340 | +324 | +250 | +186 | +130 | + 94 | + 52 | - 2 | - 62 | -108 | -124 | 6.48 | February |
| +577 | +507 | +367 | +173 | +111 | + 77 | + 51 | + 23 | + 13 | - 57 | - 77 | 10.74 | March |
| +841 | +713 | +483 | +259 | + 97 | + 75 | + 23 | + 5 | - 39 | - 45 | - 41 | 16.34 | April |
| +759 | +631 | +433 | +243 | + 65 | - 45 | - 27 | + 27 | + 69 | + 69 | + 37 | 14.70 | May |
| +632 | +646 | +512 | +330 | +174 | + 74 | + 68 | + 82 | + 82 | + 78 | -134 | 13.22 | June |
| +736 | +664 | +500 | +326 | +142 | + 32 | + 56 | + 36 | + 16 | + 50 | + 4 | 13.52 | July |
| +696 | +566 | +348 | +100 | - 64 | - 54 | + 8 | + 40 | + 38 | + 4 | - 26 | 11.82 | August |
| +738 | +652 | +444 | +210 | +100 | + 86 | + 72 | + 32 | + 26 | - 32 | - 68 | 13.36 | September |
| +547 | +537 | +395 | +287 | +227 | +165 | +127 | + 67 | + 45 | + 5 | - 19 | 10.54 | October |
| +513 | +425 | +351 | +239 | +201 | +195 | +101 | + 51 | - 51 | -119 | -105 | 9.42 | November |
| +335 | +327 | +261 | +137 | + 69 | + 67 | + 59 | + 13 | - 59 | -101 | - 79 | 5.98 | December |
| +588 | +520 | +375 | +217 | +111 | + 70 | + 47 | + 27 | - 1 | - 31 | - 61 | 10.94 | Year |
| +382 | +330 | +256 | +169 | +121 | +107 | + 47 | + 4 | - 66 | -110 | -102 | 6.76 | Winter |
| +676 | +602 | +422 | +232 | +134 | +101 | + 68 | + 32 | + 11 | - 32 | - 51 | 12.74 | Equinox |
| +706 | +627 | +448 | +250 | + 79 | + 2 | + 26 | + 46 | + 51 | + 50 | - 30 | 13.32 | Summer |

#### INCLINATION (Unit 0.′01)

| | | | | | | | | | | | ′ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + 23 | + 5 | - 10 | - 14 | - 13 | - 8 | - 4 | - 25 | - 23 | - 19 | - 17 | 0.84 | January |
| + 40 | + 20 | + 3 | + 2 | - 13 | - 20 | - 6 | - 7 | - 1 | + 4 | - 8 | 1.23 | February |
| + 31 | + 22 | + 11 | + 20 | + 5 | - 18 | - 35 | - 49 | - 74 | - 74 | - 70 | 1.92 | March |
| + 10 | - 41 | - 68 | - 74 | - 39 | - 47 | - 61 | - 71 | - 68 | - 69 | - 81 | 2.99 | April |
| + 14 | + 10 | - 15 | - 44 | - 59 | - 53 | - 62 | - 66 | - 75 | - 63 | - 52 | 1.98 | May |
| - 12 | - 24 | - 41 | - 38 | - 42 | - 28 | - 60 | - 93 | - 77 | - 52 | - 43 | 2.23 | June |
| + 17 | - 1 | - 27 | - 45 | - 54 | - 72 | - 93 | - 93 | - 91 | - 83 | - 67 | 2.16 | July |
| - 39 | - 30 | - 13 | - 3 | - 9 | - 21 | - 60 | - 75 | - 81 | - 83 | - 63 | 2.16 | August |
| + 28 | - 7 | + 7 | + 2 | - 19 | - 42 | - 62 | - 79 | - 84 | - 90 | - 90 | 2.53 | September |
| + 68 | + 46 | + 26 | + 5 | - 33 | - 61 | - 64 | - 60 | - 74 | - 81 | - 81 | 2.42 | October |
| +128 | + 90 | + 28 | - 4 | - 42 | - 62 | - 65 | - 87 | -104 | - 87 | - 75 | 2.84 | November |
| + 88 | + 67 | + 32 | 0 | - 41 | - 60 | - 44 | - 44 | - 40 | - 38 | - 44 | 1.76 | December |
| + 33 | + 13 | - 6 | - 16 | - 30 | - 41 | - 51 | - 62 | - 66 | - 61 | - 58 | 2.09 | Year |
| + 70 | + 45 | + 13 | - 4 | - 27 | - 37 | - 30 | - 41 | - 42 | - 35 | - 36 | 1.67 | Winter |
| + 34 | + 5 | - 6 | - 12 | - 22 | - 42 | - 55 | - 65 | - 75 | - 79 | - 81 | 2.47 | Equinox |
| - 5 | - 11 | - 24 | - 32 | - 41 | - 44 | - 69 | - 82 | - 81 | - 70 | - 56 | 2.13 | Summer |

#### HORIZONTAL INTENSITY (Unit 0.1γ)

| | | | | | | | | | | | γ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - 43 | - 1 | + 23 | + 27 | + 23 | + 17 | + 11 | + 43 | + 35 | + 25 | + 19 | 13.6 | January |
| - 73 | - 31 | + 1 | + 5 | + 31 | + 41 | + 19 | + 25 | + 13 | + 5 | + 19 | 20.6 | February |
| -108 | - 60 | - 14 | 0 | + 16 | + 46 | + 76 | + 96 | +126 | +118 | +106 | 37.6 | March |
| - 90 | + 32 | +106 | +150 | +104 | +112 | +132 | +142 | +128 | +122 | +136 | 56.0 | April |
| - 88 | - 38 | + 32 | + 90 | +120 | +106 | +112 | +114 | +122 | +106 | + 96 | 33.6 | May |
| - 52 | + 6 | + 70 | + 90 | +114 | +100 | +134 | +180 | +146 | + 96 | + 80 | 39.0 | June |
| - 88 | - 28 | + 48 | + 90 | +122 | +158 | +174 | +162 | +156 | +136 | +112 | 39.4 | July |
| - 7 | + 23 | + 27 | + 31 | + 39 | + 43 | +103 | +125 | +131 | +135 | +111 | 35.2 | August |
| -110 | - 30 | - 16 | + 2 | + 36 | + 68 | +108 | +130 | +140 | +152 | +156 | 43.4 | September |
| -152 | -100 | - 46 | - 4 | + 56 | + 98 | +102 | +102 | +122 | +130 | +130 | 40.4 | October |
| -211 | -133 | - 33 | + 23 | + 77 | +107 | +113 | +145 | +167 | +135 | +111 | 49.0 | November |
| -145 | -101 | - 41 | + 15 | + 65 | + 87 | + 69 | + 71 | + 63 | + 59 | + 69 | 27.8 | December |
| - 97 | - 38 | + 13 | + 43 | + 67 | + 82 | + 96 | +111 | +112 | +102 | + 95 | 36.3 | Year |
| -118 | - 66 | - 13 | + 17 | + 49 | + 63 | + 53 | + 71 | + 69 | + 56 | + 54 | 27.8 | Winter |
| -115 | - 40 | + 7 | + 37 | + 53 | + 81 | +105 | +117 | +129 | +131 | +132 | 44.3 | Equinox |
| - 59 | - 9 | + 44 | + 75 | + 99 | +102 | +131 | +145 | +139 | +118 | +100 | 36.8 | Summer |

## TABLE VI. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL

International Quiet Days

### NORTH COMPONENT (Unit 0.1γ)

| Month and Season, 1956 | Universal Time. Hour commencing | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| January | - 20 | - 22 | - 21 | - 9 | + 14 | + 29 | + 57 | + *58* | + 49 | - 16 | - 71 | - 87 | - *92* |
| February | 0 | - 2 | + 10 | + 25 | + 22 | + 50 | + 92 | + *96* | + 61 | - 7 | - 66 | -*128* | -122 |
| March | + 51 | + 39 | + 37 | + 46 | + 57 | + 79 | +105 | + 91 | + 7 | - 92 | -198 | -*259* | -217 |
| April | + 78 | + 81 | + 61 | + 66 | +102 | +113 | + 93 | 0 | -135 | -280 | -*394* | -382 | -274 |
| May | + 70 | + 49 | + 37 | + 35 | + 55 | + 58 | + 31 | - 35 | -102 | -169 | -*206* | -202 | -198 |
| June | + 27 | + 31 | + 2 | - 2 | + 27 | + 32 | - 31 | -107 | -161 | -170 | -*176* | -136 | - 91 |
| July | + 34 | + 25 | + 26 | + 48 | + 69 | + 57 | - 10 | - 88 | -146 | -192 | -*220* | -215 | -214 |
| August | + 45 | + 35 | + 19 | + 32 | + 48 | + 53 | - 3 | - 60 | -144 | -*201* | -194 | -155 | -103 |
| September | + 84 | + 98 | + 65 | + 68 | + 78 | + 79 | + 69 | + 16 | - 66 | -186 | -267 | -*271* | -218 |
| October | + 68 | + 70 | + 56 | + 66 | + 74 | + 86 | + 88 | + 85 | + 19 | - 93 | -235 | -*277* | -253 |
| November | +140 | + 83 | + 64 | + 45 | + 62 | + 80 | + 88 | + 82 | + 3 | - 89 | -236 | -*336* | -332 |
| December | + 14 | + 5 | + 5 | + 4 | + 41 | + 69 | + 94 | +*100* | + 66 | - 29 | -115 | -186 | -*195* |
| Year | + 49 | + 41 | + 30 | + 35 | + 54 | + 65 | + 56 | + 20 | - 46 | -127 | -198 | -*219* | -192 |
| Winter | + 33 | + 16 | + 15 | + 16 | + 35 | + 57 | + 83 | + *84* | + 45 | - 35 | -122 | -184 | -*185* |
| Equinox | + 70 | + 72 | + 55 | + 61 | + 78 | + 89 | + 89 | + 48 | - 44 | -163 | -274 | -*297* | -240 |
| Summer | + 44 | + 35 | + 21 | + 28 | + 50 | + 50 | - 3 | - 73 | -138 | -183 | -*199* | -177 | -152 |

### WEST COMPONENT (Unit 0.1γ)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | - 75 | - 49 | - 12 | - 11 | - 7 | - 26 | - 34 | - 56 | - *91* | - 88 | - 43 | + 7 | +107 |
| February | - 63 | - 47 | - 19 | - 37 | - 29 | - 29 | - 41 | - 80 | -140 | -*171* | - 87 | + 36 | +119 |
| March | - 28 | - 43 | - 46 | - 48 | - 56 | - 67 | - 94 | -186 | -*273* | -261 | -148 | + 39 | +193 |
| April | - 35 | - 28 | - 44 | - 64 | - 87 | -118 | -225 | -377 | -*458* | -371 | -134 | +133 | +364 |
| May | - 8 | + 13 | - 16 | - 55 | -107 | -195 | -324 | -*398* | -380 | -276 | - 73 | +147 | +330 |
| June | + 11 | + 23 | - 27 | -108 | -190 | -267 | -342 | -*389* | -340 | -211 | - 56 | +113 | +265 |
| July | - 39 | - 70 | -102 | -133 | -177 | -273 | -336 | -*353* | -321 | -202 | - 17 | +165 | +315 |
| August | - 63 | - 63 | - 89 | -125 | -134 | -221 | -260 | -*277* | -245 | -125 | + 43 | +213 | +339 |
| September | - 71 | - 86 | -110 | -113 | -117 | -118 | -188 | -278 | -*340* | -265 | - 92 | +131 | +330 |
| October | - 59 | - 74 | - 91 | - 87 | - 74 | - 89 | -100 | -186 | -273 | -*294* | -196 | 0 | +176 |
| November | -116 | - 87 | - 97 | - 52 | - 58 | - 78 | - 79 | -124 | -224 | -*250* | -132 | + 58 | +196 |
| December | - 87 | - 64 | - 27 | - 19 | - 24 | - 32 | - 28 | - 41 | - 81 | -*149* | -104 | - 9 | + 79 |
| Year | - 53 | - 48 | - 57 | - 71 | - 88 | -126 | -171 | -229 | -*264* | -222 | - 87 | + 86 | +234 |
| Winter | - 85 | - 62 | - 39 | - 30 | - 29 | - 41 | - 45 | - 75 | -134 | -*165* | - 91 | + 23 | +125 |
| Equinox | - 48 | - 58 | - 73 | - 78 | - 84 | - 98 | -152 | -257 | -*336* | -298 | -143 | + 76 | +266 |
| Summer | - 25 | - 24 | - 59 | -105 | -152 | -239 | -315 | -*354* | -332 | -204 | - 26 | +160 | +312 |

### VERTICAL COMPONENT (Unit 0.1γ)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | - 5 | + 5 | + 13 | + 15 | + 13 | + 1 | + 1 | - 3 | - 3 | - 21 | - 5 | - 25 | - *37* |
| February | + 14 | + 16 | + 12 | + 8 | + 10 | - 6 | - 16 | - 6 | + 6 | - 26 | - 60 | - *66* | - 52 |
| March | + 40 | + 38 | + 34 | + 36 | + 36 | + 34 | + 32 | + 46 | + 36 | - 16 | - 98 | -168 | -*174* |
| April | + 43 | + 53 | + 47 | + 53 | + 49 | + 65 | + 63 | + 53 | - 7 | - 93 | -193 | -*253* | -*253* |
| May | + 55 | + 57 | + 53 | + 61 | + 69 | + *87* | + 83 | + 43 | + 17 | - 55 | -161 | -235 | -*247* |
| June | + 45 | + 19 | + 13 | + 33 | + 55 | + 63 | + 51 | + 21 | - 37 | -119 | -179 | -215 | -*221* |
| July | + 36 | + 36 | + 38 | + 38 | + 46 | + 48 | + 26 | + 14 | - 42 | - 84 | -128 | -162 | -*182* |
| August | + 56 | + 54 | + 54 | + 58 | + *64* | + 58 | + 50 | + 30 | - 4 | - 40 | -112 | -172 | -*196* |
| September | + 66 | + 62 | + 58 | + 50 | + 42 | + 22 | + 58 | + *68* | + 38 | + 10 | - 80 | -160 | -*192* |
| October | + *53* | + 41 | + 43 | + 39 | + 35 | + 29 | + 25 | + *53* | + 41 | + 1 | - 49 | -119 | -*137* |
| November | + 9 | + 9 | + 7 | + 23 | + 23 | + 21 | + 7 | + 25 | + 23 | - 19 | - 93 | -*123* | - 93 |
| December | + *39* | + 27 | + 31 | + 29 | + 23 | + 13 | - 7 | - 19 | - 15 | - 39 | - *49* | - *55* | - 47 |
| Year | + 38 | + 35 | + 34 | + 37 | + 39 | + 36 | + 31 | + 27 | + 4 | - 42 | -101 | -146 | -*153* |
| Winter | + 14 | + 16 | + 16 | + 19 | + 17 | + 7 | - 4 | - 1 | + 3 | - 26 | - 52 | - *67* | - 57 |
| Equinox | + 51 | + 48 | + 46 | + 44 | + 41 | + 37 | + 45 | + *55* | + 27 | - 24 | -105 | -175 | -*189* |
| Summer | + 48 | + 42 | + 39 | + 48 | + 58 | + 64 | + 52 | + 27 | - 17 | - 75 | -145 | -196 | -*212* |

## COMPONENTS OF MAGNETIC INTENSITY

### International Quiet Days

#### NORTH COMPONENT (Unit 0.1γ)

Universal Time. Hour commencing

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Range γ | Month and Season, 1956 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - 70 | - 21 | + 10 | + 18 | + 16 | + 11 | + 13 | + 46 | + 42 | + 34 | + 27 | 15.0 | January |
| -100 | - 57 | - 19 | - 10 | + 20 | + 33 | + 15 | + 25 | + 18 | + 14 | + 29 | 22.4 | February |
| -154 | -101 | - 44 | - 14 | + 7 | + 39 | + 71 | + 93 | *+124* | +121 | +111 | 38.3 | March |
| -158 | - 27 | + 65 | +127 | + 95 | +105 | +129 | *+140* | +130 | +124 | +138 | 53.4 | April |
| -149 | - 89 | - 4 | + 69 | +113 | +109 | +113 | +111 | *+115* | + 99 | + 91 | 32.1 | May |
| -103 | - 47 | + 27 | + 62 | + 99 | + 93 | +127 | *+171* | +138 | + 89 | + 90 | 34.7 | June |
| -147 | - 82 | + 7 | + 62 | +109 | +154 | *+168* | +157 | +153 | +130 | +110 | 38.8 | July |
| - 64 | - 23 | - 2 | + 22 | + 44 | + 47 | +101 | +120 | +126 | *+133* | +112 | 33.4 | August |
| -169 | - 83 | - 52 | - 15 | + 27 | + 60 | +101 | +126 | +136 | +153 | *+160* | 43.1 | September |
| -195 | -143 | - 78 | - 27 | + 37 | + 83 | + 91 | + 95 | +117 | +128 | *+130* | 40.7 | October |
| -251 | -166 | - 61 | + 3 | + 60 | + 90 | +104 | +139 | *+169* | +143 | +118 | 50.5 | November |
| -171 | -127 | - 62 | + 4 | + 59 | + 81 | + 63 | + 69 | + 67 | + 67 | + 75 | 29.5 | December |
| -144 | - 80 | - 18 | + 25 | + 57 | + 75 | + 91 | +108 | *+111* | +103 | + 99 | 36.0 | Year |
| -148 | - 93 | - 33 | + 4 | + 39 | + 54 | + 49 | + 70 | + 74 | + 64 | + 62 | 29.4 | Winter |
| -169 | - 88 | - 27 | + 18 | + 41 | + 72 | + 98 | +113 | +127 | +132 | *+135* | 43.9 | Equinox |
| -116 | - 60 | + 7 | + 54 | + 91 | +101 | +127 | *+140* | +133 | +113 | +101 | 34.7 | Summer |

#### WEST COMPONENT (Unit 0.1γ)

| | | | | | | | | | | | γ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *+177* | +133 | + 91 | + 64 | + 49 | + 42 | - 12 | - 17 | - 44 | - 57 | - 52 | 26.8 | January |
| *+172* | +170 | +135 | +101 | + 75 | + 57 | + 31 | + 3 | - 31 | - 57 | - 64 | 34.3 | February |
| *+295* | +264 | +196 | + 93 | + 62 | + 48 | + 39 | + 27 | + 26 | - 13 | - 26 | 56.8 | March |
| *+440* | +389 | +276 | +162 | + 68 | + 57 | + 32 | + 24 | - 2 | - 6 | - 2 | 89.8 | April |
| *+396* | +335 | +238 | +145 | + 53 | - 8 | + 2 | + 32 | + 56 | + 53 | + 34 | 79.4 | May |
| +333 | *+349* | +287 | +191 | +111 | + 55 | + 57 | + 71 | + 66 | + 56 | - 60 | 73.8 | June |
| *+384* | +354 | +277 | +189 | + 95 | + 41 | + 56 | + 44 | + 32 | + 47 | + 19 | 73.7 | July |
| *+374* | +309 | +192 | + 59 | - 29 | - 23 | + 20 | + 40 | + 40 | + 22 | + 3 | 65.1 | August |
| *+382* | +347 | +237 | +114 | + 59 | + 57 | + 55 | + 37 | + 35 | + 6 | - 13 | 72.2 | September |
| +272 | *+275* | +206 | +154 | +131 | +104 | + 84 | + 51 | + 43 | + 22 | + 9 | 56.9 | October |
| *+245* | +209 | +184 | +132 | +120 | +121 | + 71 | + 49 | - 2 | - 44 | - 40 | 49.5 | November |
| +159 | *+161* | +135 | + 76 | + 47 | + 49 | + 42 | + 18 | - 22 | - 46 | - 32 | 31.0 | December |
| *+302* | +275 | +204 | +123 | + 70 | + 50 | + 40 | + 32 | + 16 | - 1 | - 19 | 59.1 | Year |
| *+188* | +168 | +136 | + 94 | + 73 | + 67 | + 33 | + 13 | - 25 | - 51 | - 47 | 35.4 | Winter |
| *+347* | +319 | +229 | +131 | + 80 | + 67 | + 52 | + 35 | + 25 | + 2 | - 8 | 68.9 | Equinox |
| *+372* | +337 | +248 | +146 | + 57 | + 16 | + 34 | + 47 | + 48 | + 45 | - 1 | 73.0 | Summer |

#### VERTICAL COMPONENT (Unit 0.1γ)

| | | | | | | | | | | | γ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - 19 | + 15 | + *17* | + 15 | + 7 | + 13 | + 11 | + 13 | + 1 | - 9 | - 15 | 5.4 | January |
| - 32 | - 2 | + 12 | + 18 | + 26 | + 24 | + 22 | + *32* | + 28 | + 24 | + 16 | 9.8 | February |
| -144 | - 62 | + 6 | + *70* | + 54 | + 44 | + 54 | + 52 | + 36 | + 16 | + 4 | 24.4 | March |
| -173 | - 67 | + 9 | + 89 | *+105* | + 97 | + 93 | + 83 | + 59 | + 43 | + 33 | 35.8 | April |
| -155 | - 53 | + 21 | + 55 | + 73 | + 61 | + 45 | + 35 | + 23 | + 27 | + 43 | 33.4 | May |
| -161 | - 69 | + 19 | + 75 | +117 | *+133* | +101 | + 93 | + 71 | + 43 | + 37 | 35.4 | June |
| -144 | - 68 | + 16 | + 54 | + 96 | *+116* | + 80 | + 54 | + 46 | + 28 | + 26 | 29.8 | July |
| -150 | - 50 | + 18 | + 60 | + 58 | + 26 | + 32 | + 28 | + 24 | + 24 | + 38 | 26.0 | August |
| -156 | - 92 | - 14 | + 10 | + 16 | + 12 | + 36 | + 26 | + 32 | + 40 | + 50 | 26.0 | September |
| -115 | - 71 | - 15 | + 7 | + 15 | + 15 | + 15 | + 29 | + 25 | + 19 | + 21 | 19.0 | October |
| - 45 | + 3 | + 21 | + *41* | + 31 | + 33 | + 35 | + 35 | + 27 | + 11 | - 3 | 16.4 | November |
| - 31 | - 1 | + 15 | + 33 | + 9 | - 5 | + 7 | + 11 | + 7 | + 5 | + 7 | 9.4 | December |
| -110 | - 43 | + 10 | + 44 | + *51* | + 47 | + 44 | + 41 | + 32 | + 23 | + 21 | 22.6 | Year |
| - 32 | + 4 | + 16 | + *27* | + 18 | + 16 | + 19 | + 23 | + 16 | + 8 | + 1 | 10.2 | Winter |
| -147 | - 73 | - 3 | + 44 | + 48 | + 42 | + 49 | + 48 | + 38 | + 30 | + 27 | 26.3 | Equinox |
| -152 | - 60 | + 18 | + 61 | + *86* | + 84 | + 65 | + 52 | + 41 | + 30 | + 36 | 31.2 | Summer |

## TABLE VII. - MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS

International Disturbed Days

### DECLINATION WEST (Unit 0.′01)

| Month and Season, 1956 | Universal Time. Hour commencing | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| January | -344 | -160 | -120 | -316 | - 40 | + 68 | + 28 | +166 | +104 | +·92 | +220 | +436 | +566 |
| February | -401 | -389 | -345 | -111 | -191 | - 83 | + 23 | + 1 | -109 | -131 | - 61 | +201 | +453 |
| March | -768 | -412 | -528 | -594 | -370 | -216 | -184 | -244 | -110 | - 86 | +154 | +606 | +938 |
| April | -774 | -888 | -812 | -860 | ***-952*** | -326 | -540 | -116 | + 46 | - 36 | +428 | +888 | +928 |
| May | -708 | ***-776*** | -500 | -292 | -110 | +240 | -292 | -334 | -422 | -148 | +152 | +448 | +768 |
| June | -422 | -244 | -382 | -250 | -224 | - 64 | -370 | -496 | ***-548*** | -354 | - 2 | +300 | +492 |
| July | -368 | -328 | -204 | -250 | -310 | ***-494*** | -458 | -454 | -370 | - 76 | +198 | +412 | +638 |
| August | - 29 | -425 | ***-473*** | -225 | -297 | -411 | -469 | -469 | -389 | -191 | +159 | +563 | +927 |
| September | -108 | -130 | -282 | -374 | -200 | - 40 | -428 | -664 | ***-708*** | -210 | +192 | +720 | +908 |
| October | -543 | -493 | -429 | -213 | - 7 | +107 | + 17 | -203 | -403 | -263 | + 75 | +487 | +789 |
| November | -662 | -340 | -308 | -632 | -100 | - 82 | +198 | +144 | -172 | - 58 | +150 | +372 | +556 |
| December | -329 | -255 | -233 | -129 | -207 | -185 | -155 | - 25 | - 41 | -153 | -175 | +139 | +357 |
| Year | -455 | -403 | -385 | -354 | -251 | -124 | -219 | -225 | -260 | -135 | +124 | +464 | +693 |
| Winter | -434 | -286 | -252 | -297 | -135 | - 70 | + 24 | + 71 | - 54 | - 63 | + 33 | +287 | +483 |
| Equinox | -548 | -481 | -513 | -510 | -382 | -119 | -284 | -307 | -294 | -149 | +212 | +675 | +891 |
| Summer | -382 | ***-443*** | -390 | -254 | -235 | -182 | -397 | -438 | -432 | -192 | +127 | +431 | +706 |

### INCLINATION (Unit 0.′01)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | -116 | - 87 | -130 | -151 | -222 | ***-334*** | -248 | -209 | -103 | - 9 | + 76 | + 95 | +141 |
| February | -123 | -107 | -158 | -154 | -201 | -173 | ***-202*** | - 44 | + 12 | + 52 | + 64 | + 88 | + 81 |
| March | - 79 | - 68 | -168 | -164 | -136 | -154 | ***-185*** | -118 | - 74 | - 14 | +122 | +116 | ***+143*** |
| April | - 18 | -128 | ***-188*** | -118 | -109 | - 85 | + 13 | +108 | +163 | +264 | ***+306*** | +219 | +137 |
| May | -141 | -288 | -270 | -291 | ***-318*** | -116 | + 35 | +168 | +304 | ***+321*** | +307 | +316 | +253 |
| June | -147 | -146 | ***-184*** | -165 | - 39 | - 29 | + 38 | +110 | +157 | +211 | +202 | ***+212*** | +212 |
| July | - 94 | - 81 | - 88 | - 67 | - 87 | - 82 | + 7 | + 68 | ***+207*** | +193 | +200 | +132 | + 81 |
| August | -220 | ***-243*** | -216 | -192 | -185 | -140 | - 44 | + 34 | +134 | +228 | ***+304*** | +210 | + 77 |
| September | -177 | -201 | -201 | -223 | ***-269*** | -171 | -204 | - 42 | +165 | +246 | +256 | +188 | +120 |
| October | -175 | -173 | -190 | -191 | -200 | ***-246*** | -232 | -162 | - 23 | + 75 | +114 | + 89 | +104 |
| November | 0 | - 21 | -201 | -242 | ***-291*** | -232 | -213 | -135 | + 74 | +206 | +151 | +229 | ***+262*** |
| December | + 11 | - 3 | - 35 | - 52 | - 89 | - 88 | ***-118*** | -110 | - 94 | - 81 | - 55 | + 35 | +120 |
| Year | -107 | -129 | -169 | -168 | ***-179*** | -154 | -113 | - 28 | + 77 | +141 | ***+171*** | +161 | +144 |
| Winter | - 57 | - 54 | -131 | -150 | -201 | ***-207*** | -195 | -125 | - 28 | + 42 | + 59 | +112 | ***+151*** |
| Equinox | -112 | -143 | ***-187*** | -174 | -178 | -164 | -152 | - 53 | + 58 | +143 | ***+200*** | +153 | +126 |
| Summer | -151 | -189 | ***-190*** | -179 | -157 | - 92 | + 9 | + 95 | +200 | +238 | ***+253*** | +217 | +156 |

### HORIZONTAL INTENSITY (Unit 0.1γ)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | +129 | + 57 | +133 | +163 | +281 | ***+403*** | +289 | +247 | + 97 | - 29 | -137 | -161 | ***-217*** |
| February | +131 | +111 | +185 | +167 | ***+229*** | +187 | ***+229*** | + 3 | - 81 | -141 | -169 | ***-191*** | -159 |
| March | + 55 | + 1 | +157 | +167 | +133 | +173 | ***+213*** | +121 | + 57 | - 53 | ***-263*** | -247 | ***-263*** |
| April | - 33 | + 85 | + 57 | -145 | - 69 | - 59 | -185 | -283 | -343 | -455 | ***-471*** | -293 | -139 |
| May | + 45 | +257 | +191 | +205 | +261 | - 61 | -275 | -423 | ***-583*** | -563 | -525 | -495 | -323 |
| June | +169 | +115 | +177 | +153 | - 27 | - 31 | -115 | -197 | -259 | -361 | -373 | ***-399*** | -373 |
| July | +125 | +103 | +125 | + 91 | +125 | +119 | - 21 | -127 | -357 | -343 | ***-365*** | -275 | -205 |
| August | +211 | ***+235*** | +229 | +205 | +207 | +167 | + 49 | - 65 | -225 | -399 | ***-525*** | -389 | -185 |
| September | +256 | +286 | +250 | +246 | ***+296*** | +116 | +158 | - 58 | -366 | -468 | ***-474*** | -354 | -226 |
| October | +193 | +183 | +209 | +211 | +223 | ***+307*** | +301 | +217 | + 13 | -147 | ***-227*** | -189 | -189 |
| November | + 3 | - 31 | +193 | +213 | ***+283*** | +181 | +193 | +111 | -179 | -349 | -243 | -349 | ***-353*** |
| December | + 7 | + 19 | + 51 | + 65 | +111 | +107 | ***+147*** | +131 | +107 | + 85 | + 35 | -107 | -219 |
| Year | +108 | +118 | +163 | +145 | ***+171*** | +134 | + 82 | - 27 | -177 | -269 | ***-311*** | -287 | -238 |
| Winter | + 67 | + 39 | +140 | +152 | ***+226*** | +219 | +214 | +123 | - 14 | -109 | -128 | -202 | ***-237*** |
| Equinox | +118 | +139 | ***+168*** | +120 | +146 | +134 | +122 | - 1 | -160 | -281 | ***-359*** | -271 | ***-204*** |
| Summer | +138 | +177 | +181 | +163 | +141 | + 49 | - 91 | -203 | -356 | -416 | ***-447*** | -389 | -272 |

## DECLINATION, INCLINATION AND HORIZONTAL INTENSITY

### International Disturbed Days

#### DECLINATION WEST (Unit 0.′01)

Universal Time. Hour commencing

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Range | Month and Season, 1956 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | ′ | |
| +608 | +550 | +524 | +320 | +254 | - 6 | -680 | -792 | -622 | -480 | -376 | 14.00 | January |
| +659 | +699 | +827 | +667 | +363 | + 45 | -141 | -689 | -387 | -451 | -439 | 15.16 | February |
| +1168 | +1136 | +832 | +662 | +314 | - 38 | + 18 | - 18 | -494 | -888 | -874 | 20.56 | March |
| +1020 | +990 | +872 | +746 | +612 | +154 | +142 | - 40 | -314 | -396 | -762 | 19.72 | April |
| +938 | +1020 | +782 | +428 | + 64 | -126 | -242 | - 34 | -224 | -134 | -492 | 17.96 | May |
| +668 | +764 | +624 | +450 | +232 | +176 | + 76 | + 44 | - 80 | -190 | -190 | 13.12 | June |
| +778 | +674 | +528 | +384 | +222 | +106 | - 10 | - 66 | - 18 | -232 | -304 | 12.72 | July |
| +1085 | +1025 | +601 | +299 | +137 | -245 | -311 | -197 | -255 | -155 | -257 | 15.58 | August |
| +996 | +960 | +432 | + 22 | - 98 | -222 | -200 | -260 | -102 | -108 | -104 | 17.04 | September |
| +809 | +641 | +649 | +615 | +249 | +253 | + 83 | -477 | -555 | -503 | -695 | 15.04 | October |
| +616 | +480 | +450 | +506 | +398 | +326 | +296 | + 10 | -444 | -632 | -1076 | 16.92 | November |
| +481 | +367 | +419 | +323 | +313 | +299 | +181 | - 25 | -151 | -425 | -391 | 9.06 | December |
| +819 | +775 | +628 | +452 | +255 | + 60 | - 66 | -212 | -304 | -383 | -497 | 15.57 | Year |
| +591 | +524 | +555 | +454 | +332 | +166 | - 86 | -374 | -401 | -497 | -571 | 13.78 | Winter |
| +998 | +932 | +696 | +513 | +269 | + 37 | + 11 | -199 | -366 | -474 | -609 | 18.09 | Equinox |
| +867 | +871 | +634 | +390 | +164 | - 22 | -122 | - 63 | -144 | -178 | -311 | 14.84 | Summer |

#### INCLINATION (Unit 0.′01)

| | | | | | | | | | | | ′ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +106 | + 89 | + 93 | +102 | +128 | +195 | +178 | +153 | +147 | + 95 | + 5 | 5.29 | January |
| + 79 | + 38 | +100 | +221 | +182 | + 85 | + 58 | +118 | + 22 | + 4 | - 45 | 4.23 | February |
| + 94 | +109 | +104 | + 94 | +100 | + 85 | +109 | + 70 | + 29 | - 46 | + 39 | 3.28 | March |
| + 33 | + 49 | - 15 | - 44 | -146 | -156 | -134 | - 24 | + 1 | - 53 | - 76 | 4.94 | April |
| +248 | +104 | + 79 | - 16 | -149 | - 31 | - 47 | -104 | - 64 | -221 | - 74 | 6.39 | May |
| +124 | + 62 | - 64 | + 2 | + 25 | - 66 | - 93 | -125 | - 91 | -106 | - 96 | 3.96 | June |
| + 99 | +142 | + 42 | - 5 | - 76 | -129 | -137 | -110 | -102 | - 59 | - 54 | 3.44 | July |
| + 36 | +101 | + 82 | +123 | + 44 | + 4 | + 74 | + 8 | - 72 | - 82 | - 67 | 5.47 | August |
| +101 | - 7 | +141 | +282 | +125 | + 49 | + 37 | - 26 | - 66 | - 74 | - 59 | 5.51 | September |
| +131 | +152 | +126 | + 90 | +109 | +116 | +141 | +162 | +150 | + 60 | - 32 | 4.08 | October |
| +217 | +198 | + 78 | - 32 | - 19 | + 19 | + 31 | - 30 | - 38 | - 22 | + 13 | 5.53 | November |
| +138 | +140 | +123 | + 60 | + 27 | + 3 | + 5 | - 10 | + 35 | + 41 | + 2 | 2.58 | December |
| +117 | + 98 | + 74 | + 73 | + 29 | + 14 | + 18 | + 7 | - 4 | - 39 | - 37 | 4.56 | Year |
| +135 | +116 | + 98 | + 88 | + 80 | + 75 | + 68 | + 58 | + 42 | + 29 | - 6 | 4.41 | Winter |
| + 90 | + 76 | + 89 | +106 | + 47 | + 23 | + 38 | + 45 | + 29 | - 28 | - 32 | 4.45 | Equinox |
| +127 | +102 | + 35 | + 26 | - 39 | - 55 | - 51 | - 83 | - 82 | -117 | - 73 | 4.82 | Summer |

#### HORIZONTAL INTENSITY (Unit 0.1γ)

| | | | | | | | | | | | γ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -135 | - 67 | - 61 | - 71 | -103 | -183 | -165 | -151 | -177 | -119 | - 15 | 62.0 | January |
| -127 | - 23 | - 75 | -167 | -125 | - 17 | + 3 | - 79 | + 27 | + 17 | + 63 | 42.0 | February |
| -143 | -117 | - 53 | + 19 | + 21 | + 51 | - 13 | + 5 | + 21 | + 65 | -117 | 47.6 | March |
| + 63 | + 53 | +109 | +245 | +419 | +455 | +387 | +207 | +125 | +137 | +137 | 92.6 | April |
| -223 | + 83 | +211 | +377 | +543 | +285 | +261 | +273 | +143 | +281 | + 43 | 112.6 | May |
| -201 | - 45 | +221 | +149 | +127 | +239 | +245 | +263 | +187 | +189 | +141 | 66.2 | June |
| -207 | -217 | - 19 | + 75 | +199 | +287 | +285 | +227 | +191 | +105 | + 81 | 65.2 | July |
| - 71 | -103 | + 23 | - 23 | + 93 | +157 | + 29 | + 73 | +141 | +111 | + 55 | 76.0 | August |
| -144 | +120 | + 30 | -238 | - 20 | + 58 | + 48 | +112 | +136 | +138 | +110 | 77.0 | September |
| -199 | -187 | -125 | - 55 | - 59 | - 61 | - 93 | -125 | -137 | - 59 | - 1 | 53.4 | October |
| -247 | -203 | - 33 | +135 | +127 | +105 | +107 | +161 | +115 | + 73 | - 23 | 63.6 | November |
| -231 | -195 | -157 | - 61 | - 17 | + 23 | + 29 | + 59 | - 9 | - 17 | + 27 | 37.8 | December |
| -155 | - 75 | + 6 | + 32 | +100 | +117 | + 94 | + 85 | + 64 | + 77 | + 42 | 66.3 | Year |
| -185 | -122 | - 81 | - 41 | - 30 | - 18 | - 7 | - 2 | - 11 | - 12 | + 13 | 51.3 | Winter |
| -106 | - 33 | - 10 | - 8 | + 90 | +126 | + 82 | + 50 | + 36 | + 70 | + 32 | 67.6 | Equinox |
| -175 | - 70 | +109 | +144 | +240 | +242 | +205 | +209 | +166 | +172 | + 80 | 80.0 | Summer |

## TABLE VII. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL

International Disturbed Days

### NORTH COMPONENT (Unit 0.1γ)

| Month and Season, 1956 | Universal Time. Hour commencing | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| January | +156 | + 69 | +141 | +187 | +281 | ***+393*** | +284 | +231 | + 87 | - 36 | -153 | -195 | ***-261*** |
| February | +162 | +142 | +211 | +174 | ***+242*** | +192 | +225 | + 3 | - 71 | -129 | -162 | -205 | -194 |
| March | +117 | + 35 | +198 | +214 | +162 | +189 | ***+226*** | +140 | + 65 | - 45 | -273 | -294 | ***-337*** |
| April | + 31 | +157 | +123 | - 73 | + 10 | - 32 | -140 | -270 | -343 | -447 | ***-501*** | -362 | -213 |
| May | +102 | +318 | +230 | +227 | +267 | - 80 | -248 | -391 | -542 | ***-545*** | -532 | -526 | -382 |
| June | +202 | +134 | +206 | +172 | - 8 | - 25 | - 84 | -154 | -211 | -328 | -369 | ***-419*** | -409 |
| July | +154 | +129 | +140 | +110 | +149 | +158 | + 17 | - 89 | -323 | -333 | ***-377*** | -306 | -255 |
| August | +211 | ***+267*** | +265 | +221 | +229 | +199 | + 87 | - 26 | -191 | -379 | ***-532*** | -431 | -259 |
| September | +262 | +293 | +270 | +274 | ***+309*** | +118 | +191 | - 3 | -304 | -446 | ***-484*** | -409 | -298 |
| October | +235 | +221 | +242 | +226 | +221 | +295 | ***+296*** | +231 | + 46 | -124 | -231 | -227 | -251 |
| November | + 57 | - 3 | +216 | +262 | ***+288*** | +186 | +175 | + 98 | -163 | -340 | -253 | -376 | ***-395*** |
| December | + 34 | + 40 | + 69 | + 75 | +127 | +121 | ***+158*** | +132 | +109 | + 97 | + 49 | -117 | -246 |
| Year | +144 | +150 | ***+193*** | +172 | +190 | +143 | + 99 | - 8 | -153 | -255 | -318 | ***-322*** | -292 |
| Winter | +102 | + 62 | +159 | +175 | ***+235*** | +223 | +210 | +116 | - 9 | -102 | -130 | -223 | ***-274*** |
| Equinox | +161 | +177 | ***+208*** | +160 | +176 | +142 | +143 | + 24 | -134 | -266 | ***-372*** | -323 | -275 |
| Summer | +167 | +212 | +210 | +182 | +159 | + 63 | - 57 | -165 | -317 | -396 | ***-452*** | -420 | -326 |

### WEST COMPONENT (Unit 0.1γ)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | -166 | - 78 | - 45 | -146 | + 21 | + 97 | + 58 | +127 | + 71 | + 45 | + 98 | +211 | +273 |
| February | -197 | -193 | -158 | - 35 | - 69 | - 17 | + 47 | + 1 | - 71 | - 92 | - 58 | + 80 | +220 |
| March | -406 | -222 | -261 | -295 | -180 | - 91 | - 67 | -113 | - 51 | - 54 | + 44 | +290 | +466 |
| April | -422 | -466 | -429 | -486 | ***-524*** | -185 | -319 | -105 | - 27 | - 88 | +160 | +435 | +480 |
| May | -375 | ***-380*** | -241 | -127 | - 20 | +120 | -199 | -244 | -315 | -164 | + 3 | +167 | +366 |
| June | -202 | -114 | -179 | -112 | -125 | - 39 | -217 | -297 | ***-334*** | -245 | - 57 | +102 | +209 |
| July | -180 | -161 | - 91 | -121 | -148 | -249 | -250 | ***-264*** | -253 | - 92 | + 52 | +181 | +313 |
| August | + 16 | -194 | -221 | - 91 | -129 | -197 | -246 | ***-263*** | -244 | -163 | + 7 | +245 | +472 |
| September | - 20 | - 27 | -115 | -165 | - 63 | - 4 | -207 | -367 | ***-437*** | -183 | + 32 | +335 | +456 |
| October | -264 | -238 | -200 | - 83 | + 30 | +104 | + 54 | - 77 | -215 | -164 | + 6 | +234 | +397 |
| November | -357 | -188 | -137 | -309 | - 11 | - 17 | +136 | + 94 | -120 | - 84 | + 44 | +148 | +247 |
| December | -176 | -135 | -118 | - 60 | - 95 | - 84 | - 62 | + 6 | - 6 | - 70 | - 89 | + 59 | +160 |
| Year | -229 | -200 | -183 | -169 | -109 | - 47 | -106 | -125 | -167 | -113 | + 20 | +207 | +338 |
| Winter | -224 | -149 | -115 | -137 | - 39 | - 5 | + 45 | + 57 | - 31 | - 50 | - 1 | +124 | +225 |
| Equinox | -278 | -238 | -251 | -257 | -184 | - 44 | -135 | -166 | -183 | -122 | + 60 | +323 | +450 |
| Summer | -185 | -212 | -183 | -113 | -105 | - 91 | -228 | -267 | ***-286*** | -166 | + 1 | +174 | +340 |

### VERTICAL COMPONENT (Unit 0.1γ)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | -104 | -168 | -142 | -144 | -120 | ***-224*** | -190 | -152 | -132 | - 98 | - 54 | - 44 | - 12 |
| February | -124 | -112 | -118 | -146 | -166 | -166 | -168 | -146 | -146 | -146 | ***-170*** | -136 | - 86 |
| March | -146 | ***-232*** | -220 | -180 | -162 | -134 | -148 | -128 | -126 | -172 | -186 | -170 | -114 |
| April | -139 | -247 | -519 | ***-745*** | -537 | -431 | -381 | -281 | -229 | -139 | - 29 | + 81 | +153 |
| May | -384 | -404 | -494 | -534 | -496 | ***-542*** | -514 | -396 | -296 | -190 | -150 | - 50 | +130 |
| June | -117 | ***-241*** | -229 | -219 | -197 | -171 | -135 | - 75 | - 55 | -103 | -163 | -187 | -129 |
| July | - 35 | - 43 | - 15 | - 23 | - 13 | - 7 | - 23 | - 57 | -109 | -125 | -153 | -179 | ***-193*** |
| August | -272 | ***-298*** | -218 | -190 | -160 | - 98 | - 40 | - 34 | - 58 | -132 | -162 | -174 | -160 |
| September | - 20 | - 34 | -116 | -202 | -246 | -324 | ***-342*** | -280 | -276 | -232 | -210 | -166 | -106 |
| October | -160 | -174 | ***-176*** | -172 | ***-176*** | -140 | -108 | - 60 | - 50 | - 80 | -130 | -130 | - 76 |
| November | + 8 | -146 | -248 | -346 | -352 | ***-386*** | -290 | -212 | -158 | - 94 | - 38 | - 14 | + 92 |
| December | + 53 | + 33 | - 3 | - 29 | - 53 | - 57 | - 67 | - 79 | - 79 | - 85 | -111 | ***-125*** | - 91 |
| Year | -120 | -172 | -208 | ***-244*** | -223 | -223 | -201 | -158 | -143 | -133 | -130 | -108 | - 49 |
| Winter | - 42 | - 98 | -128 | -166 | -173 | ***-208*** | -179 | -147 | -129 | -106 | - 93 | - 80 | - 24 |
| Equinox | -116 | -172 | -258 | ***-325*** | -280 | -257 | -245 | -187 | -170 | -156 | -139 | - 96 | - 36 |
| Summer | -202 | ***-246*** | -239 | -241 | -216 | -204 | -178 | -140 | -130 | -137 | -157 | -148 | - 88 |

## COMPONENTS OF MAGNETIC INTENSITY

### International Disturbed Days

#### NORTH COMPONENT (Unit 0.1γ)

Universal Time. Hour commencing

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Range γ | Month and Season, 1956 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -183 | -111 | -103 | - 96 | -123 | -180 | -108 | - 85 | -124 | - 78 | + 16 | 65.4 | January |
| -179 | - 80 | -142 | -220 | -153 | - 20 | + 14 | - 22 | + 58 | + 54 | + 98 | 46.2 | February |
| -237 | -209 | -120 | - 35 | - 5 | + 54 | - 14 | + 6 | + 61 | +137 | - 44 | 56.3 | March |
| - 21 | - 28 | + 37 | +181 | +364 | +437 | +371 | +208 | +149 | +168 | +198 | 93.8 | April |
| -297 | - 1 | +145 | +338 | +532 | +292 | +278 | +273 | +160 | +289 | + 83 | 107.7 | May |
| -253 | -107 | +168 | +111 | +107 | +222 | +236 | +257 | +191 | +202 | +155 | 67.6 | June |
| -268 | -270 | - 62 | + 43 | +179 | +275 | +283 | +230 | +190 | +123 | +105 | 66.0 | July |
| -159 | -186 | - 26 | - 47 | + 81 | +175 | + 54 | + 88 | +160 | +122 | + 75 | 79.9 | August |
| -224 | + 40 | - 6 | -237 | - 12 | + 75 | + 64 | +132 | +143 | +145 | +117 | 79.3 | September |
| -263 | -237 | -177 | -105 | - 79 | - 81 | - 99 | - 85 | - 90 | - 17 | + 56 | 55.9 | October |
| -295 | -240 | - 69 | + 92 | + 93 | + 77 | + 82 | +158 | +150 | +124 | + 65 | 68.3 | November |
| -268 | -223 | -190 | - 87 | - 42 | - 2 | + 14 | + 60 | + 3 | + 18 | + 59 | 42.6 | December |
| -221 | -138 | - 45 | - 5 | + 79 | +110 | + 98 | +102 | + 88 | +107 | + 82 | 69.1 | Year |
| -231 | -164 | -126 | - 78 | - 56 | - 31 | 0 | + 28 | + 22 | + 29 | + 60 | 55.6 | Winter |
| -186 | -109 | - 66 | - 49 | + 67 | +121 | + 80 | + 65 | + 66 | +108 | + 82 | 71.3 | Equinox |
| -244 | -141 | + 56 | +111 | +225 | +241 | +213 | +212 | +175 | +184 | +104 | 80.3 | Summer |

#### WEST COMPONENT (Unit 0.1γ)

| | | | | | | | | | | | γ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +308 | +287 | +273 | +162 | +122 | - 31 | -391 | -450 | -362 | -277 | -205 | 75.8 | January |
| +336 | +374 | +435 | +335 | +177 | + 22 | - 76 | -383 | -205 | -241 | -227 | 81.8 | February |
| +608 | +595 | +441 | +360 | +172 | - 13 | + 8 | - 9 | -263 | -469 | -489 | 109.7 | March |
| +560 | +542 | +487 | +439 | +393 | +151 | +134 | + 9 | -151 | -193 | -390 | 108.4 | April |
| +472 | +563 | +453 | +287 | +116 | - 25 | - 91 | + 23 | - 99 | - 30 | -259 | 94.3 | May |
| +330 | +405 | +370 | +265 | +144 | +131 | + 78 | + 63 | - 15 | - 74 | - 81 | 73.9 | June |
| +389 | +331 | +282 | +218 | +150 | +100 | + 37 | - 2 | + 19 | -109 | -152 | 65.3 | July |
| +574 | +537 | +328 | +158 | + 88 | -109 | -163 | - 95 | -116 | - 67 | -130 | 83.7 | August |
| +516 | +536 | +237 | - 24 | - 56 | -111 | -101 | -123 | - 35 | - 38 | - 40 | 97.3 | September |
| +406 | +318 | +331 | +323 | +125 | +127 | + 31 | -276 | -320 | -280 | -375 | 78.1 | October |
| +295 | +228 | +238 | +293 | +233 | +192 | +176 | + 30 | -222 | -330 | -584 | 87.9 | November |
| +225 | +169 | +202 | +165 | +166 | +165 | +102 | - 5 | - 83 | -232 | -207 | 45.7 | December |
| +418 | +407 | +340 | +248 | +153 | + 50 | - 21 | -102 | -154 | -195 | -262 | 83.5 | Year |
| +291 | +264 | +287 | +239 | +175 | + 87 | - 47 | -202 | -218 | -270 | -306 | 72.8 | Winter |
| +522 | +498 | +374 | +274 | +159 | + 39 | + 18 | -100 | -192 | -245 | -324 | 98.4 | Equinox |
| +441 | +459 | +358 | +232 | +124 | + 24 | - 35 | - 3 | - 53 | - 70 | -156 | 79.3 | Summer |

#### VERTICAL COMPONENT (Unit 0.1γ)

| | | | | | | | | | | | γ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + 56 | +154 | +182 | +190 | +206 | +252 | +234 | +182 | +100 | + 52 | - 18 | 47.6 | January |
| - 20 | + 80 | +174 | +378 | +342 | +254 | +208 | +226 | +138 | + 52 | - 10 | 54.8 | February |
| - 4 | +106 | +238 | +370 | +396 | +412 | +346 | +254 | +148 | - 10 | -136 | 64.4 | March |
| +259 | +291 | +199 | +413 | +463 | +511 | +431 | +395 | +291 | +133 | + 53 | 125.6 | April |
| +344 | +550 | +760 | +816 | +738 | +552 | +442 | +270 | +108 | -114 | -156 | 135.8 | May |
| - 35 | +109 | +291 | +353 | +379 | +325 | +245 | +175 | +119 | + 71 | - 5 | 62.0 | June |
| -135 | - 9 | +101 | +157 | +197 | +217 | +185 | +143 | + 89 | + 37 | + 1 | 41.0 | July |
| - 40 | +110 | +338 | +372 | +368 | +378 | +324 | +196 | + 76 | - 26 | -104 | 67.6 | August |
| + 16 | +254 | +556 | +424 | +386 | +302 | +240 | +168 | + 86 | + 62 | + 50 | 89.8 | September |
| - 8 | + 94 | +146 | +186 | +242 | +260 | +274 | +270 | +202 | + 72 | -112 | 45.0 | October |
| +180 | +216 | +194 | +202 | +228 | +308 | +354 | +270 | +136 | + 94 | - 8 | 74.0 | November |
| - 55 | + 33 | + 61 | + 67 | + 53 | + 65 | + 83 | +103 | +101 | +103 | + 71 | 22.8 | December |
| + 46 | +166 | +270 | +327 | +333 | +320 | +281 | +221 | +133 | + 44 | - 31 | 69.2 | Year |
| + 40 | +121 | +153 | +209 | +207 | +220 | +220 | +195 | +119 | + 75 | + 9 | 49.8 | Winter |
| + 66 | +186 | +285 | +348 | +372 | +371 | +323 | +272 | +182 | + 64 | - 36 | 81.2 | Equinox |
| + 33 | +190 | +372 | +424 | +420 | +368 | +299 | +196 | + 99 | - 8 | - 66 | 76.6 | Summer |

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

| Month 1956 | 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 | +0.02 | −0.4 | +0.2 | +0.94 | +5.6 | −2.6 | +0.02 | − 5.4 | + 0.8 |
| February | +0.06 | +0.4 | −0.0 | −0.14 | +2.0 | −0.6 | −0.90 | −11.2 | + 5.6 |
| March | −0.09 | −0.0 | +0.5 | +0.10 | +5.0 | −3.6 | +1.58 | −22.4 | + 0.2 |
| April | +0.14 | −0.2 | −0.1 | +0.04 | +4.6 | −1.0 | −0.36 | + 6.8 | +14.2 |
| May | −0.11 | +0.9 | +0.1 | +0.70 | +4.0 | −1.8 | +0.84 | − 1.0 | +11.2 |
| June | +0.05 | −0.3 | −0.1 | −1.18 | +1.2 | −2.0 | +1.16 | − 6.2 | + 5.4 |
| July | +0.02 | +0.3 | −0.1 | +0.36 | +8.2 | −1.0 | −0.58 | −11.2 | − 3.0 |
| August | 0.00 | +0.0 | +0.3 | +0.28 | +5.8 | −0.6 | −0.26 | −13.2 | + 4.0 |
| September | −0.12 | −0.2 | −0.2 | +0.06 | +7.0 | −2.0 | 0.00 | −14.8 | + 6.6 |
| October | −0.17 | +0.1 | −0.0 | +0.74 | +5.4 | −2.8 | −1.62 | −16.6 | + 5.4 |
| November | +0.18 | −0.1 | +0.5 | +1.34 | +0.4 | −1.2 | −1.58 | −12.4 | − 0.8 |
| December | −0.01 | +0.3 | −0.3 | +1.18 | +7.6 | −4.8 | −2.52 | + 1.6 | − 0.8 |
| Year | .. | .. | .. | +0.37 | +4.7 | −2.0 | −0.35 | − 8.8 | + 4.1 |

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

| Month 1956 | Declination West | Inclination | Horizontal Intensity | North Intensity | West Intensity | Vertical Intensity | Total Intensity |
|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | c.g.s. | c.g.s. | c.g.s. | c.g.s. | c.g.s. |
| January | 8 39.6 | 66 37.8 | .18739 | .18526 | .02821 | .43366 | .47242 |
| February | 8 39.4 | 66 37.4 | .18745 | .18532 | .02821 | .43366 | .47244 |
| March | 8 38.2 | 66 38.2 | .18736 | .18524 | .02813 | .43372 | .47246 |
| April | 8 37.8 | 66 37.7 | .18741 | .18529 | .02812 | .43369 | .47245 |
| May | 8 37.3 | 66 37.9 | .18744 | .18532 | .02810 | .43379 | .47256 |
| June | 8 36.8 | 66 36.7 | .18760 | .18548 | .02810 | .43376 | .47259 |
| July | 8 36.5 | 66 36.5 | .18762 | .18550 | .02808 | .43374 | .47258 |
| August | 8 36.4 | 66 36.6 | .18760 | .18548 | .02807 | .43373 | .47256 |
| September | 8 35.6 | 66 37.6 | .18749 | .18539 | .02801 | .43382 | .47260 |
| October | 8 35.3 | 66 37.3 | .18752 | .18542 | .02800 | .43379 | .47259 |
| November | 8 34.3 | 66 38.3 | .18742 | .18533 | .02793 | .43390 | .47264 |
| December | 8 34.4 | 66 36.7 | .18764 | .18534 | .02797 | .43383 | .47267 |
| Year | 8 36.8 | 66 37.4 | .18750 | .18538 | .02808 | .43376 | .47255 |

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

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

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

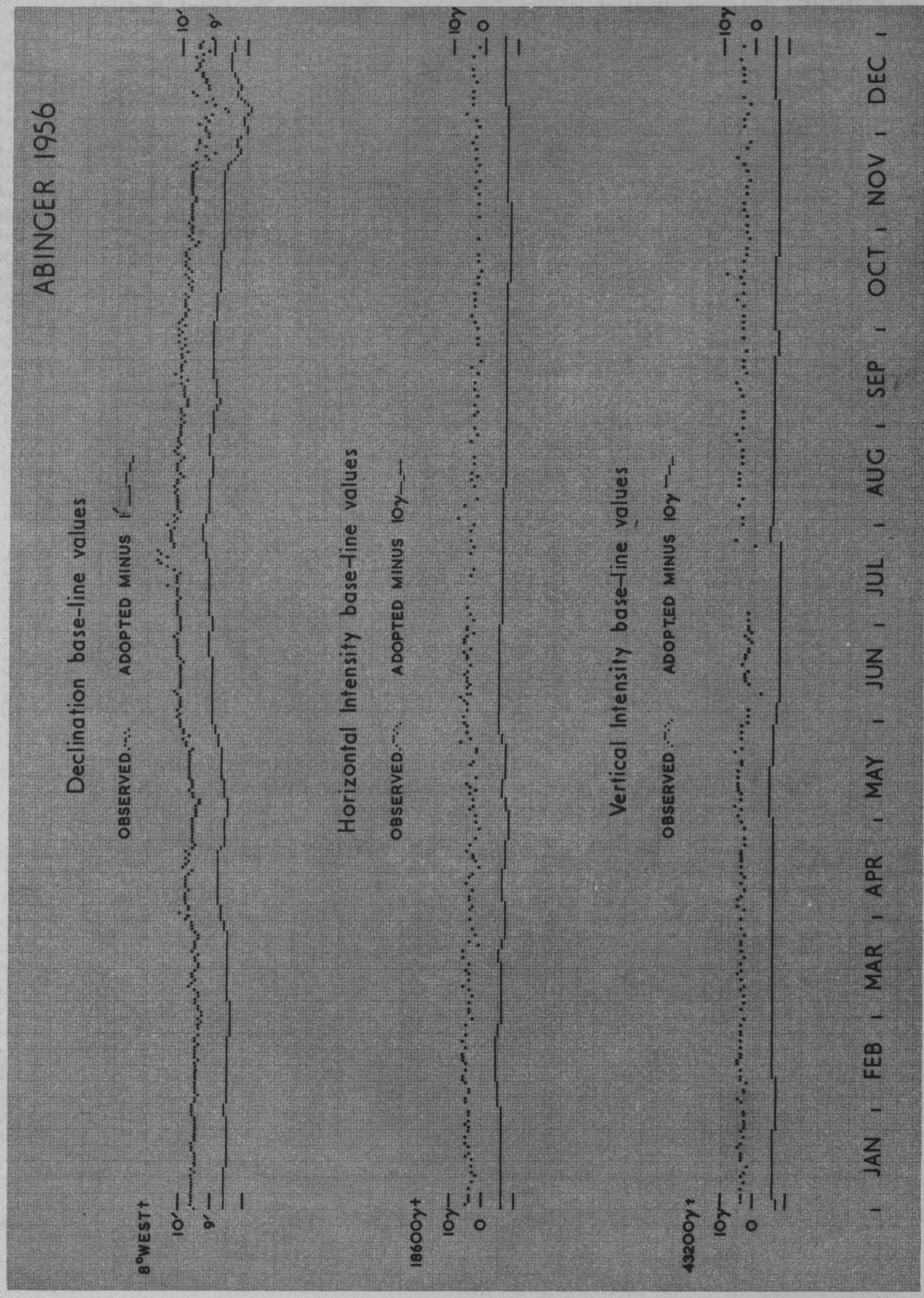
| Year | Declination West | Horizontal Intensity | Vertical Intensity | Inclination | Year | Declination West | Horizontal Intensity | Vertical Intensity | Inclination |
|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | c.g.s. | c.g.s. | ° ′ | | ° ′ | c.g.s. | c.g.s. | ° ′ |
| 1925 | 13 22.7 | 0.18597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

† Mean of seven months June to December.

†† Mean of ten months, March to December.

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

See Introduction p. D 5.

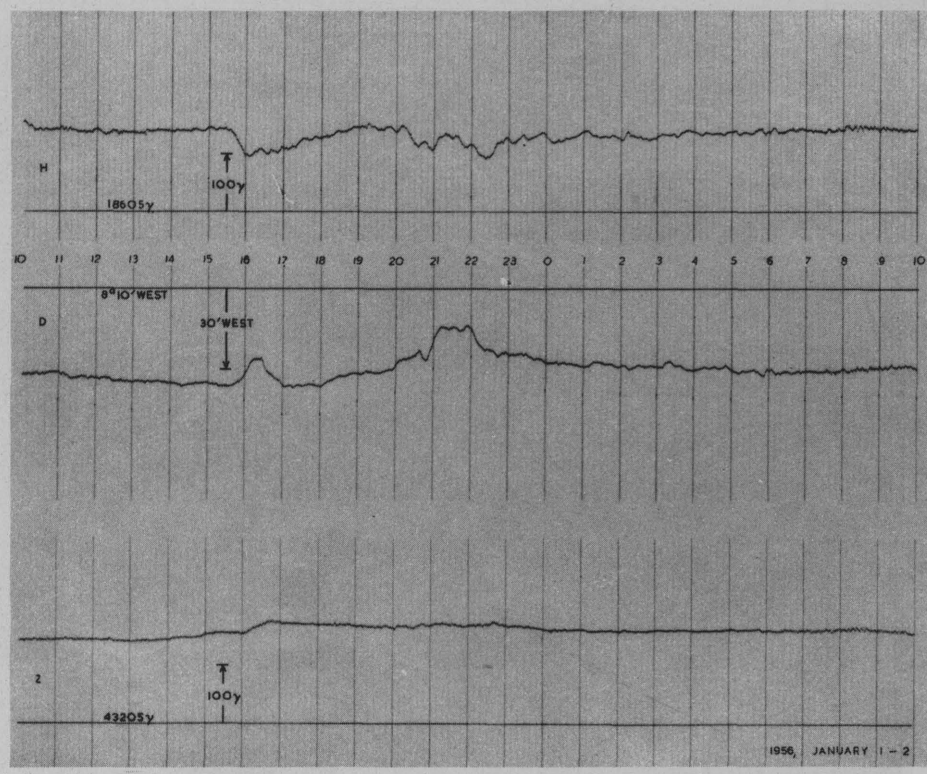

ABINGER 1956
Declination base-line values
OBSERVED
ADOPTED MINUS 1'
8°WEST
10'
9'
Horizontal Intensity base-line values
OBSERVED
ADOPTED MINUS 10γ
18600γ
10γ
0
Vertical Intensity base-line values
OBSERVED
ADOPTED MINUS 10γ
43200γ
10γ
0
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC

MAGNETOGRAMS

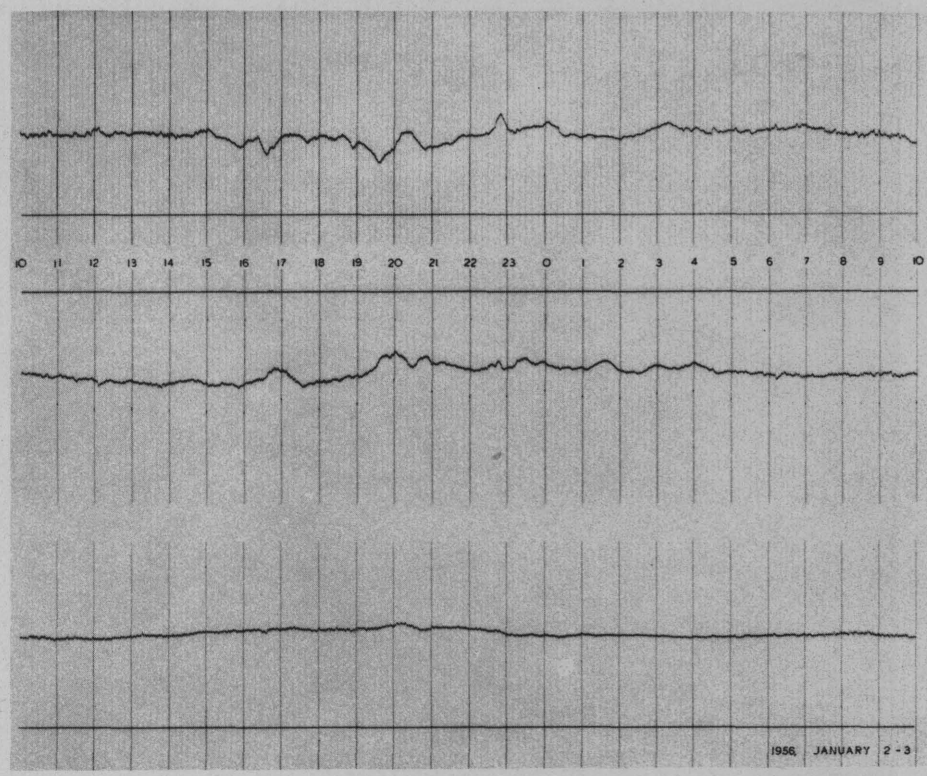
ABINGER

1956

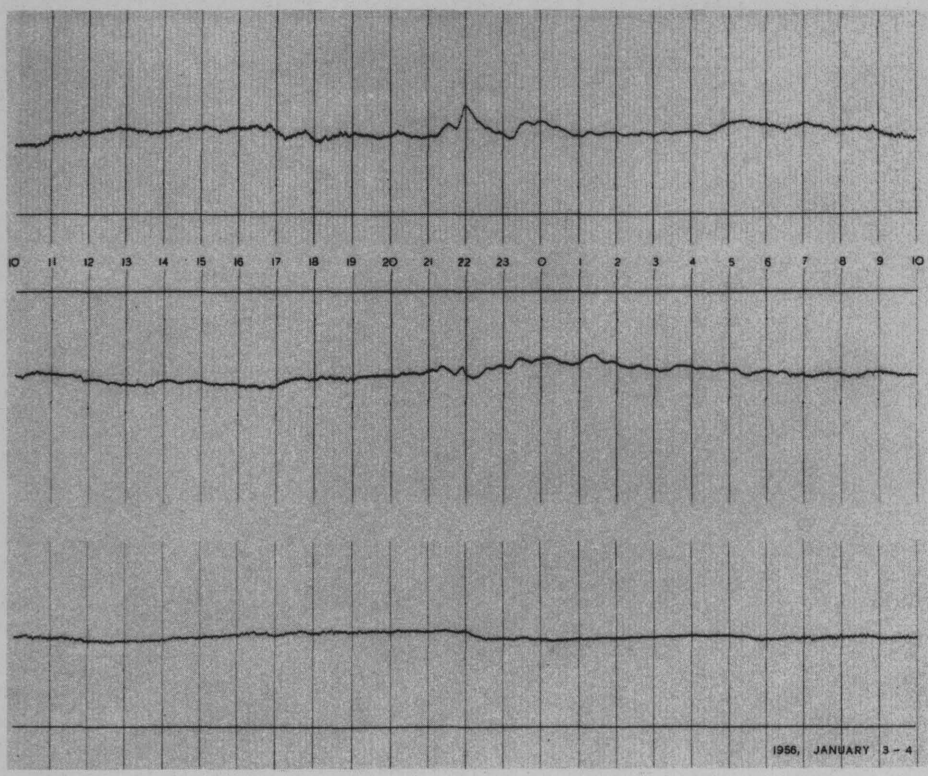
1956




JANUARY 1–2




JANUARY 2–3

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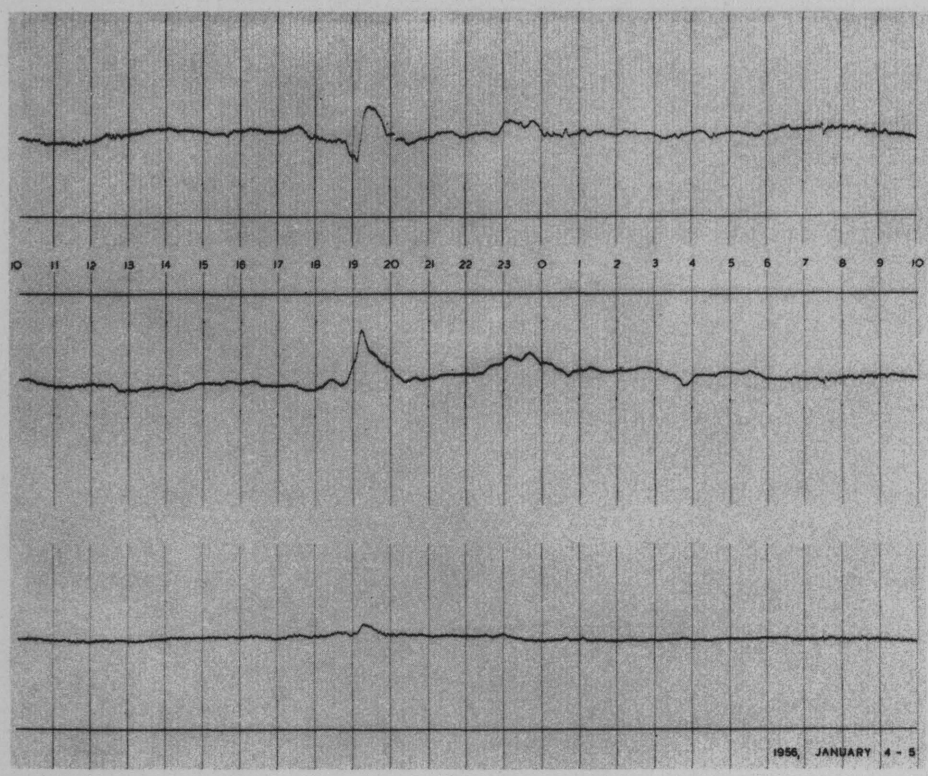
JANUARY 3–4




JANUARY 4–5

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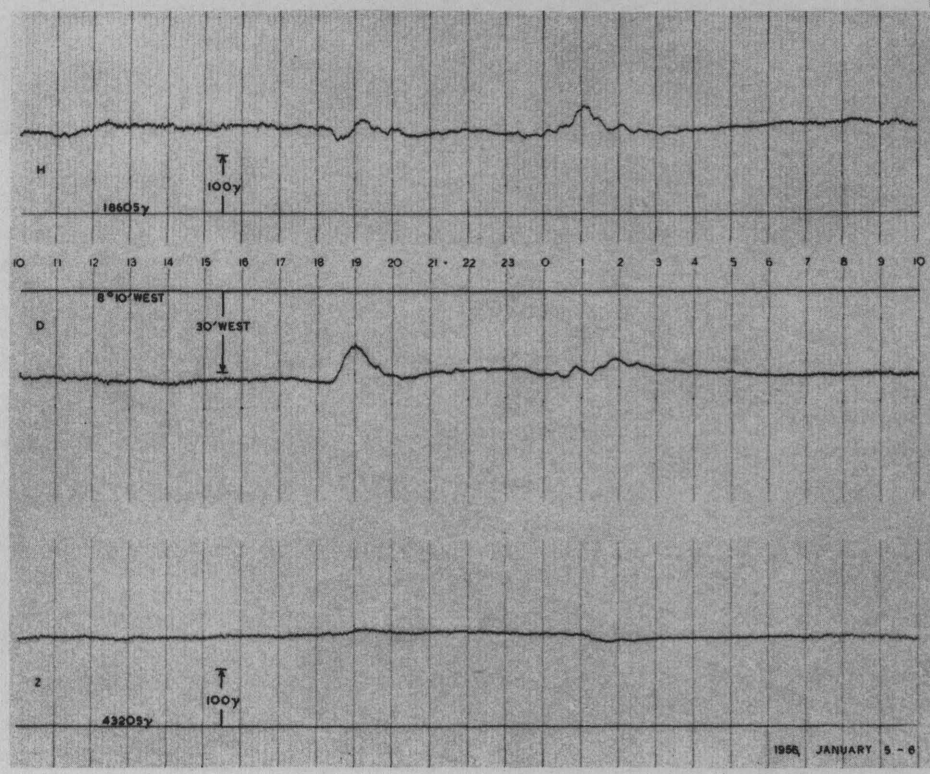
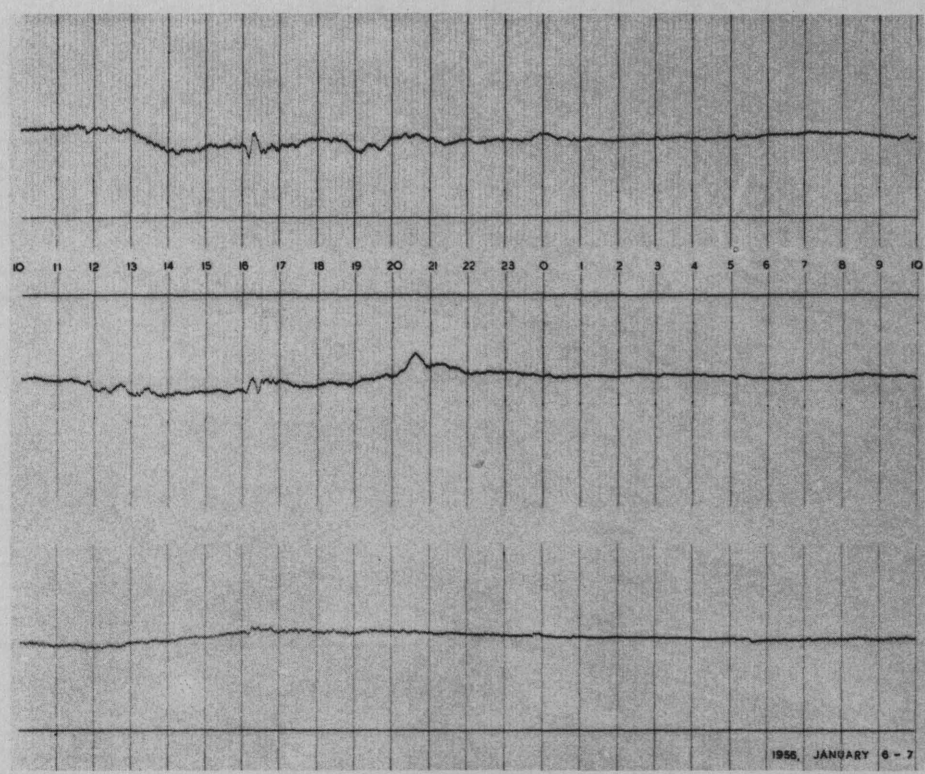



JANUARY 5–6




JANUARY 6–7

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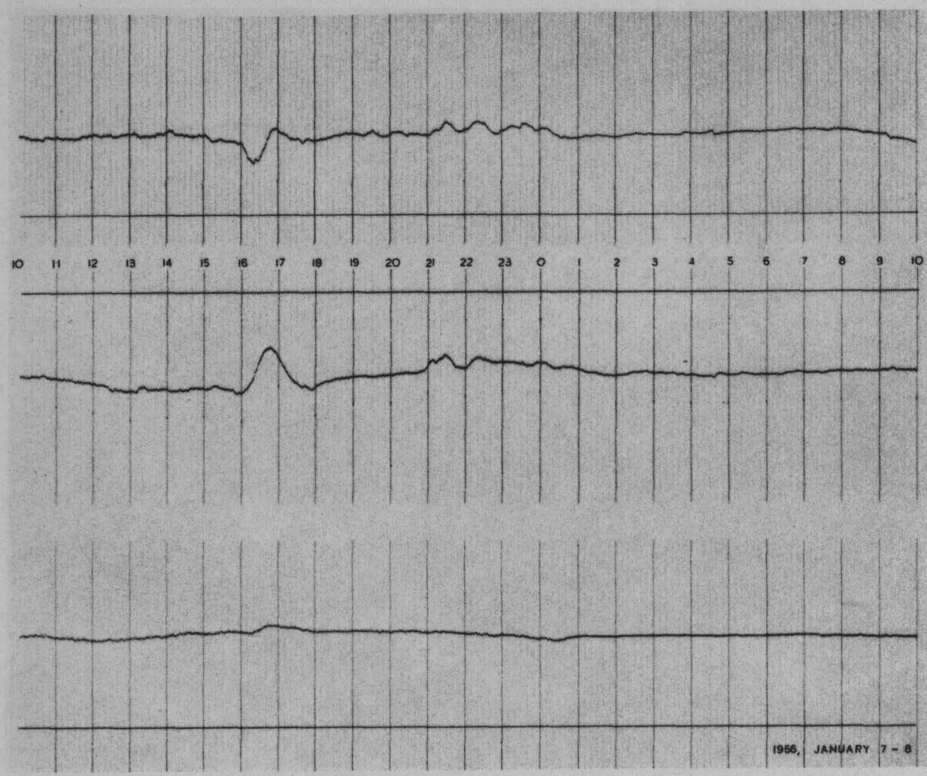


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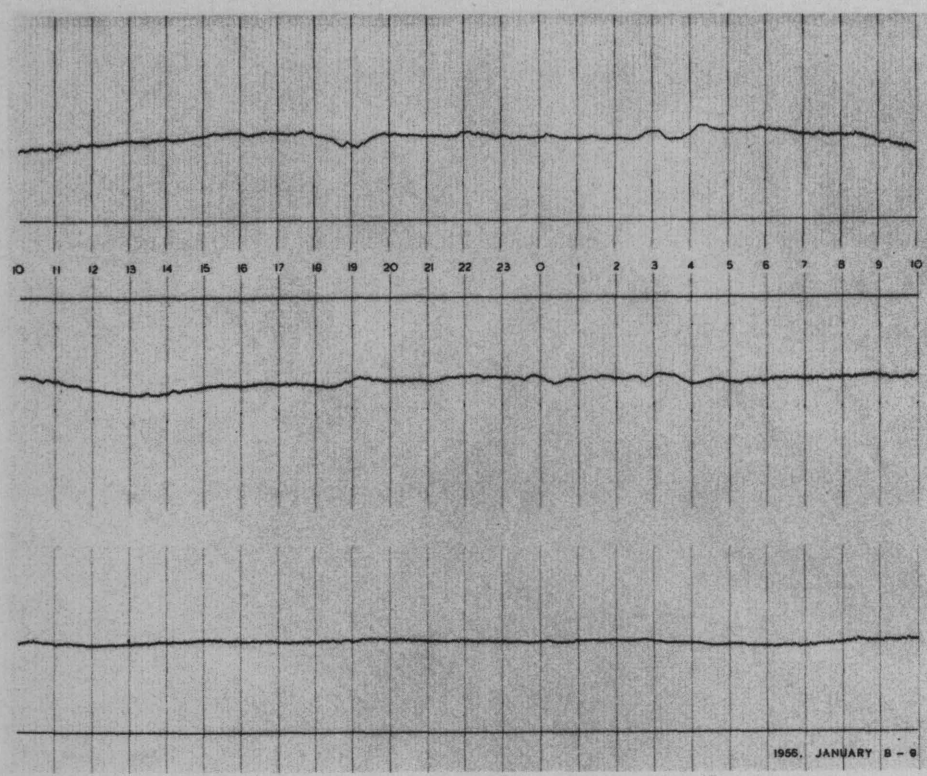


JANUARY 8–9

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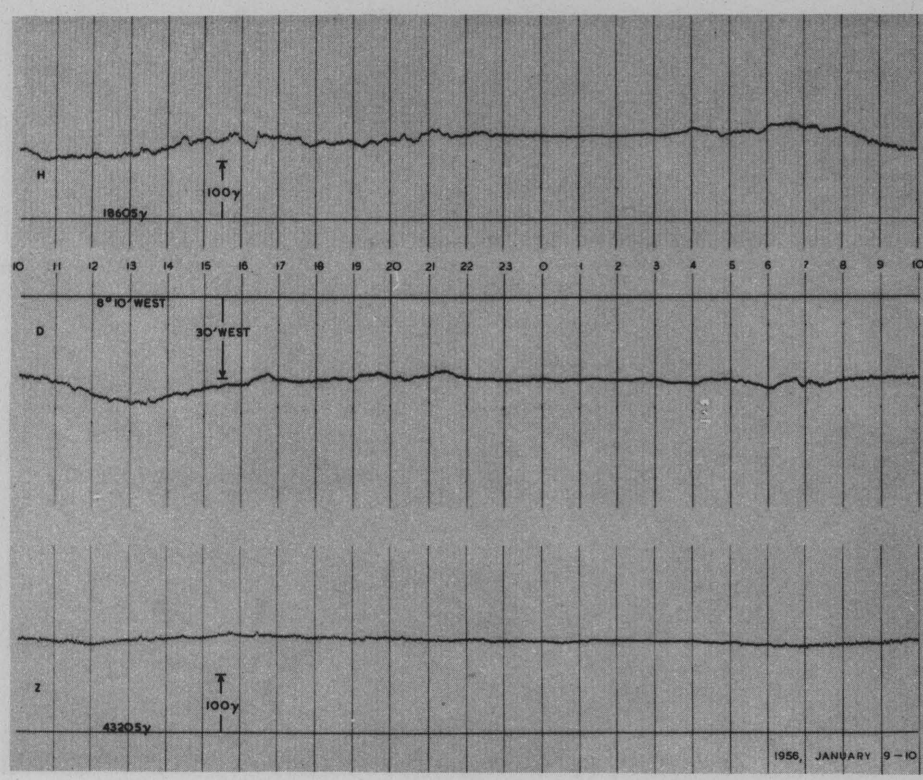
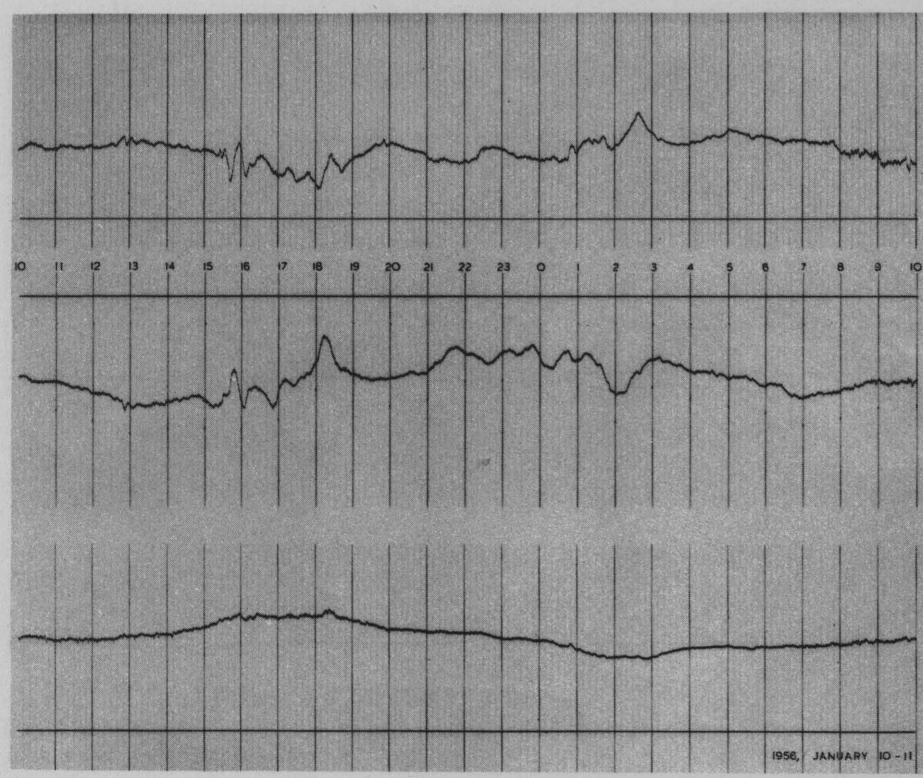
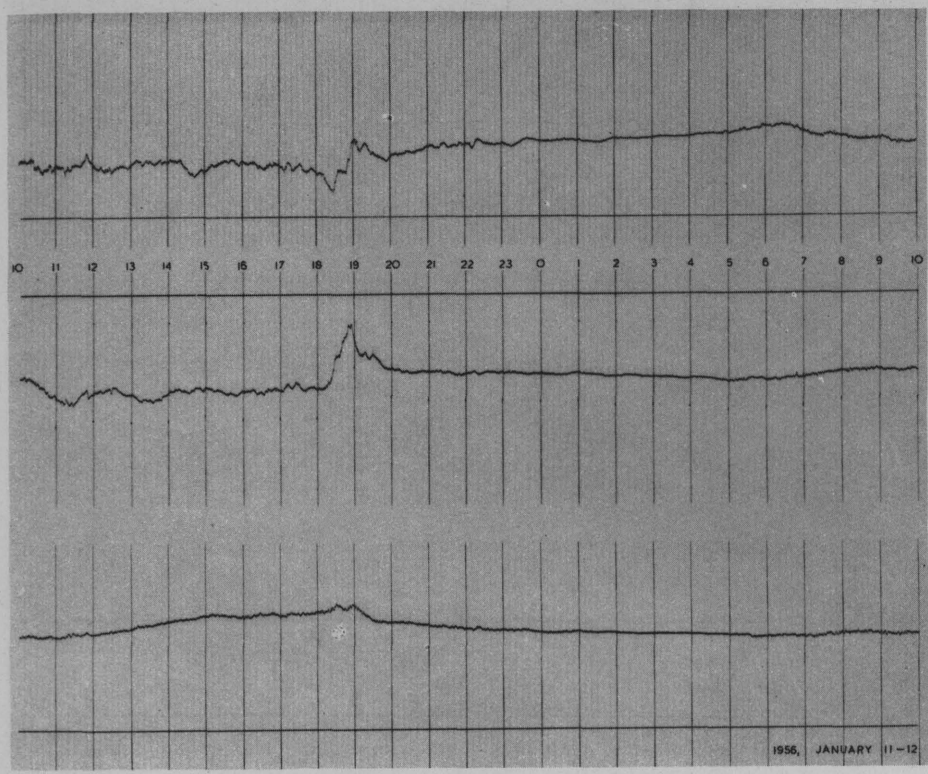



JANUARY 9–10




JANUARY 10–11

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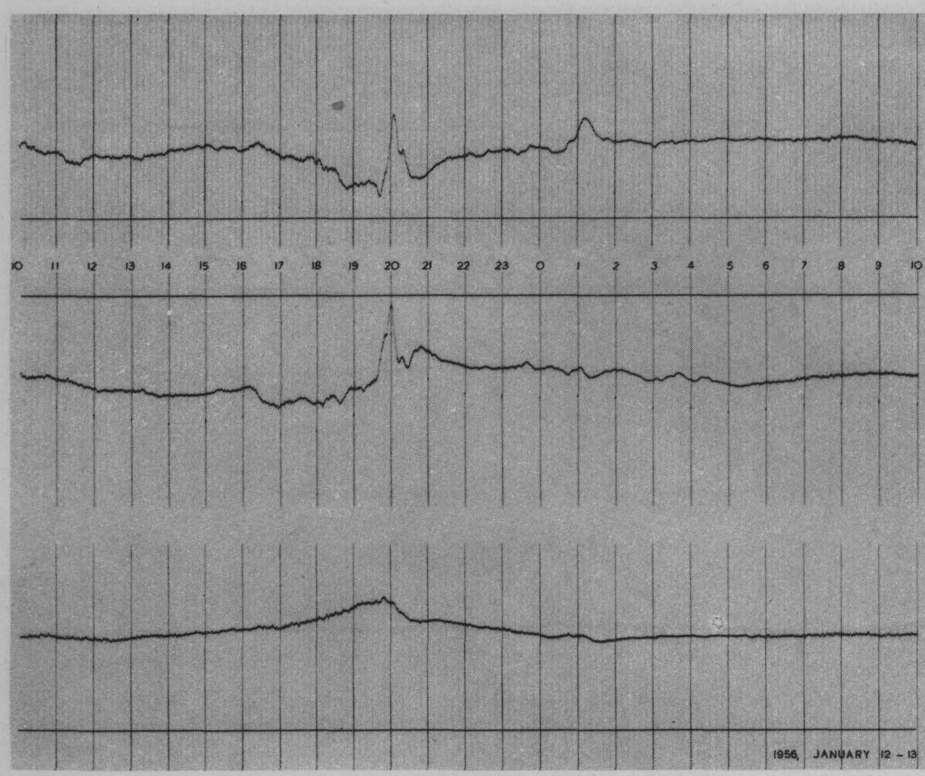
JANUARY 11–12




JANUARY 12–13

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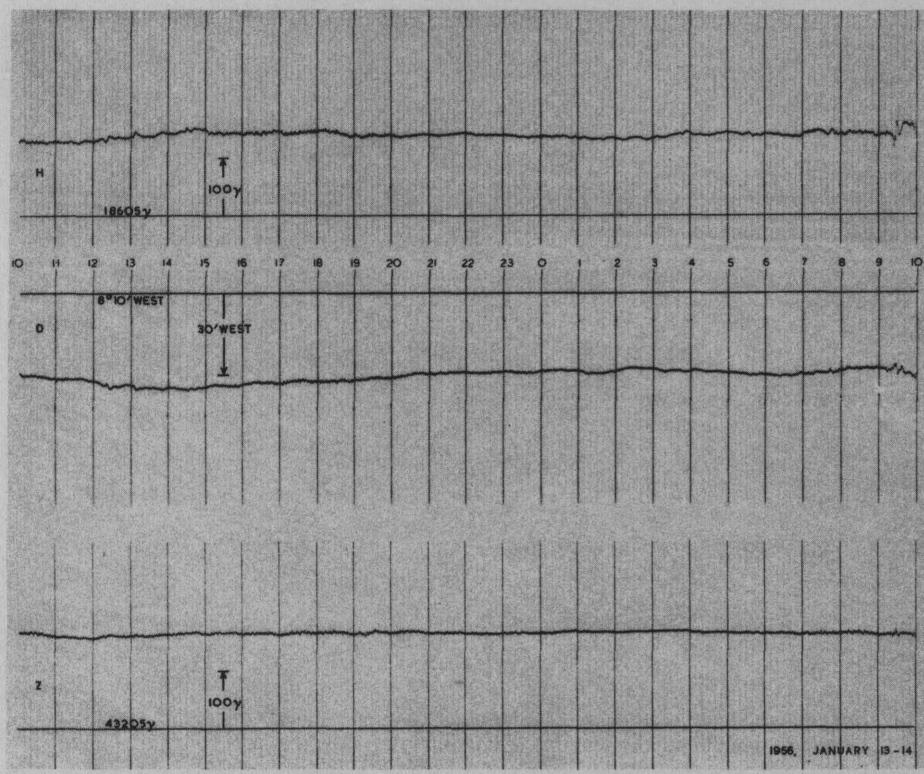


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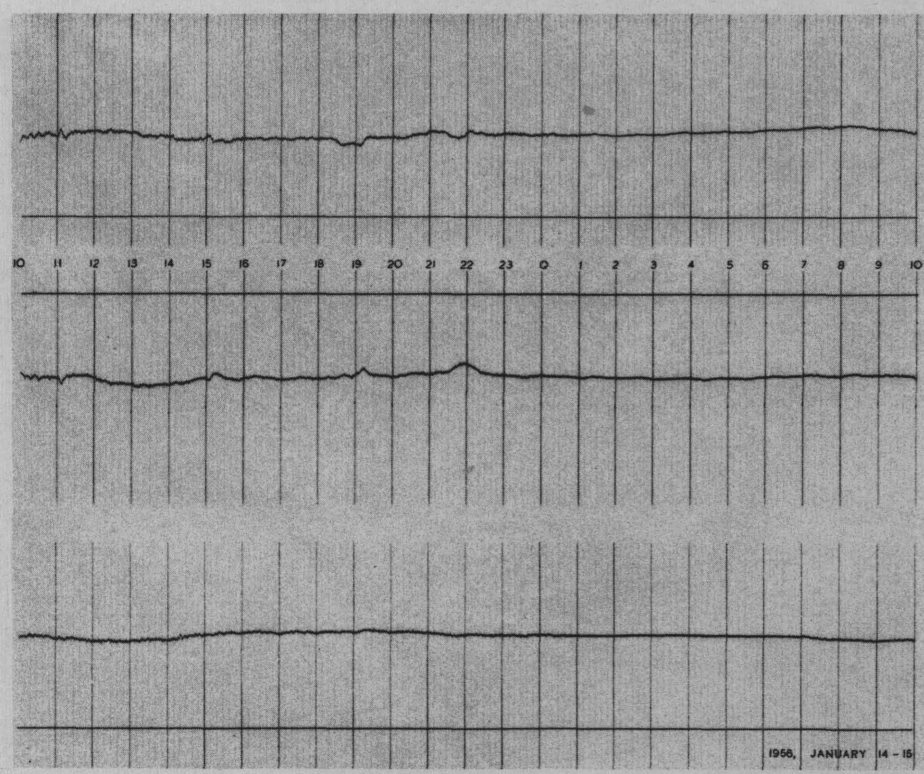


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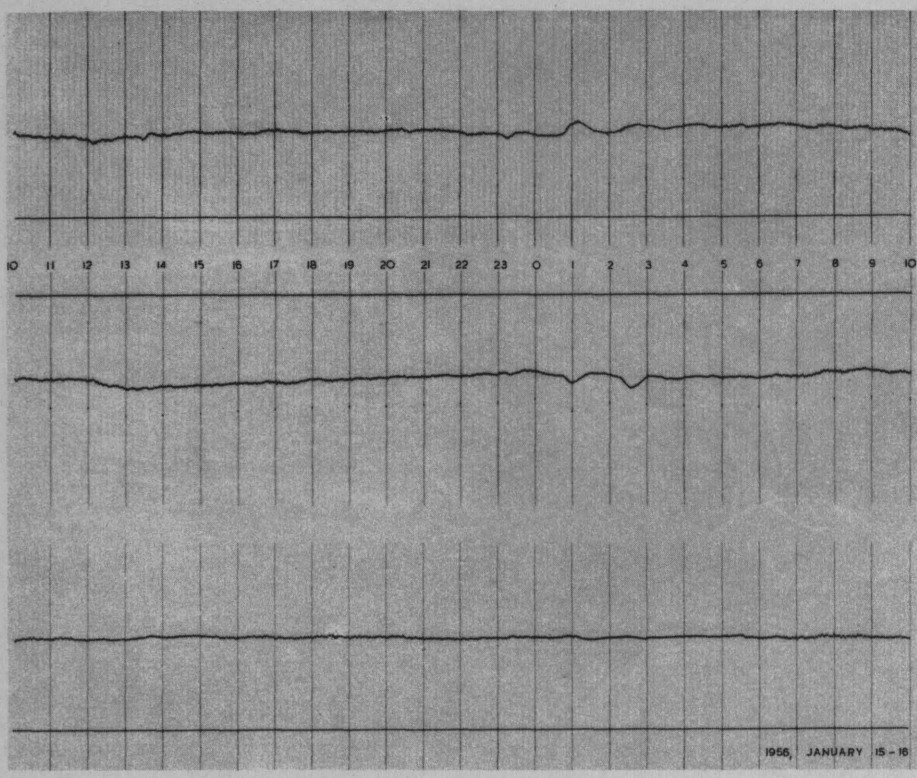


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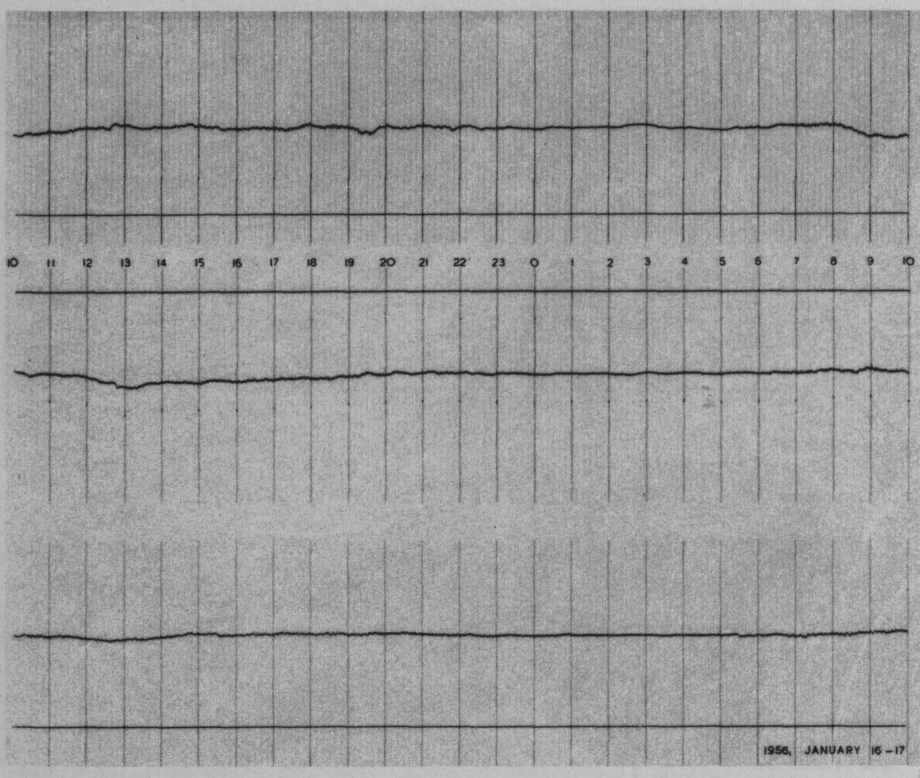


JANUARY 16–17

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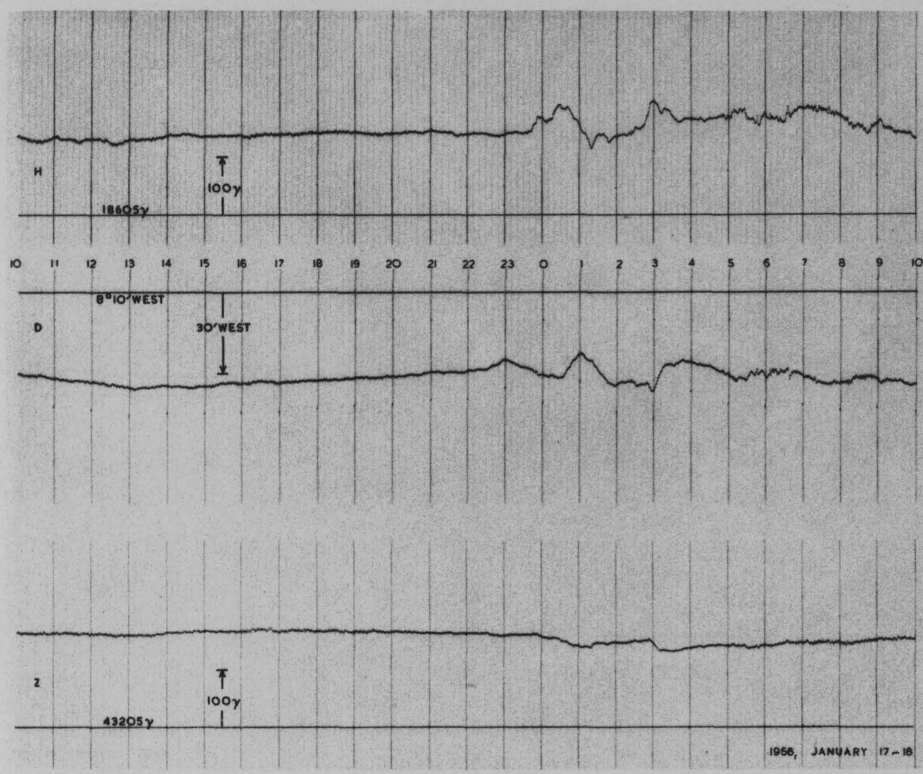


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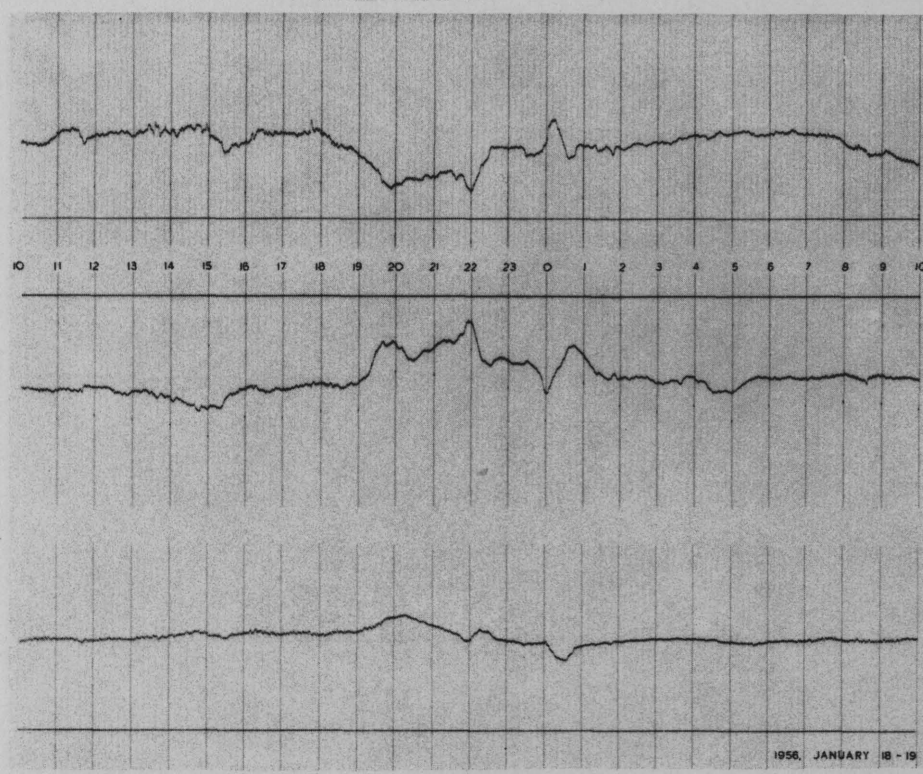


JANUARY 18–19

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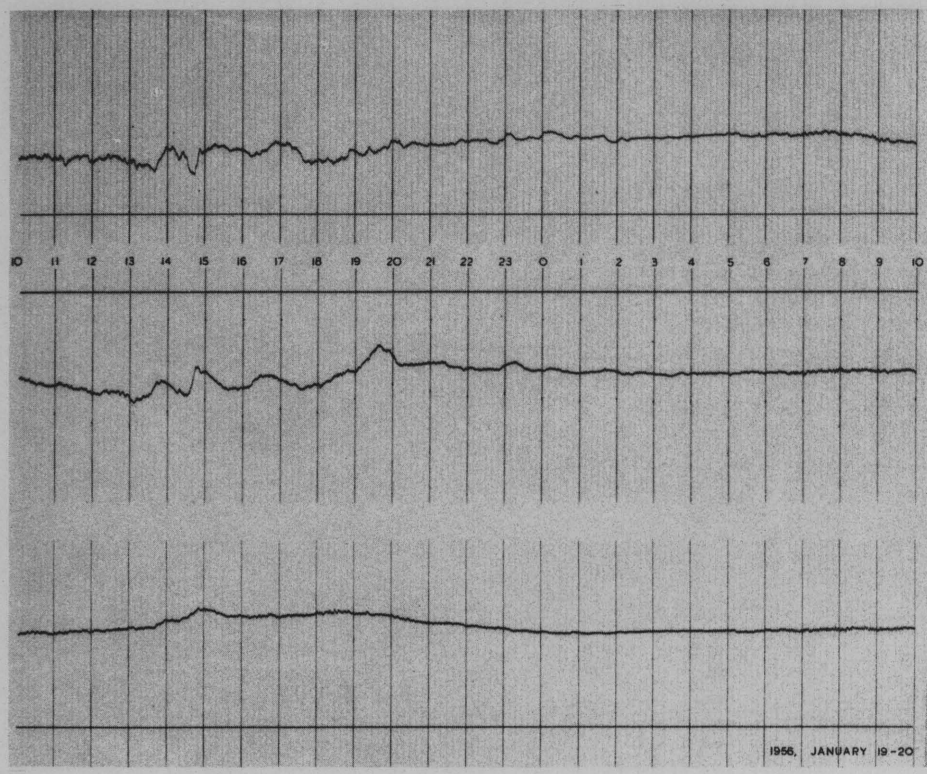


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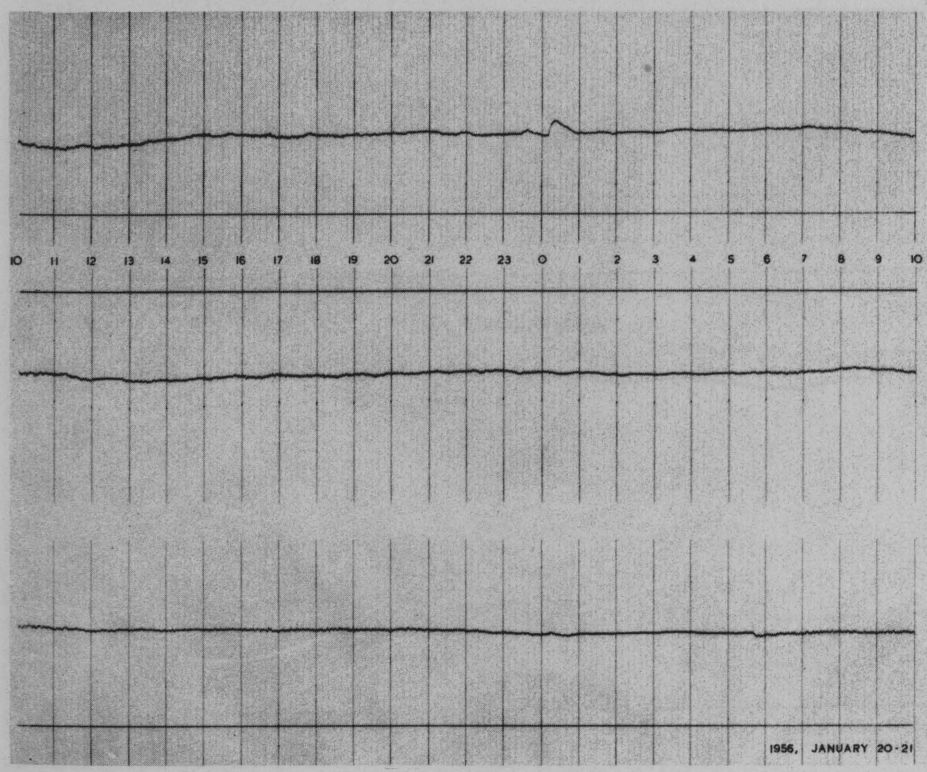


JANUARY 20–21

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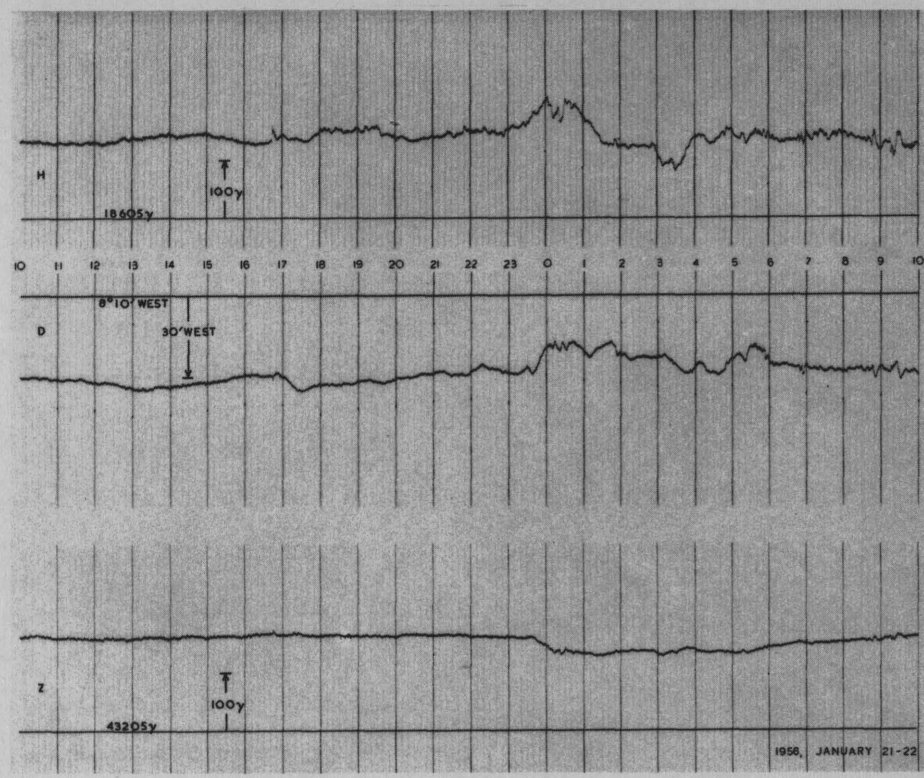


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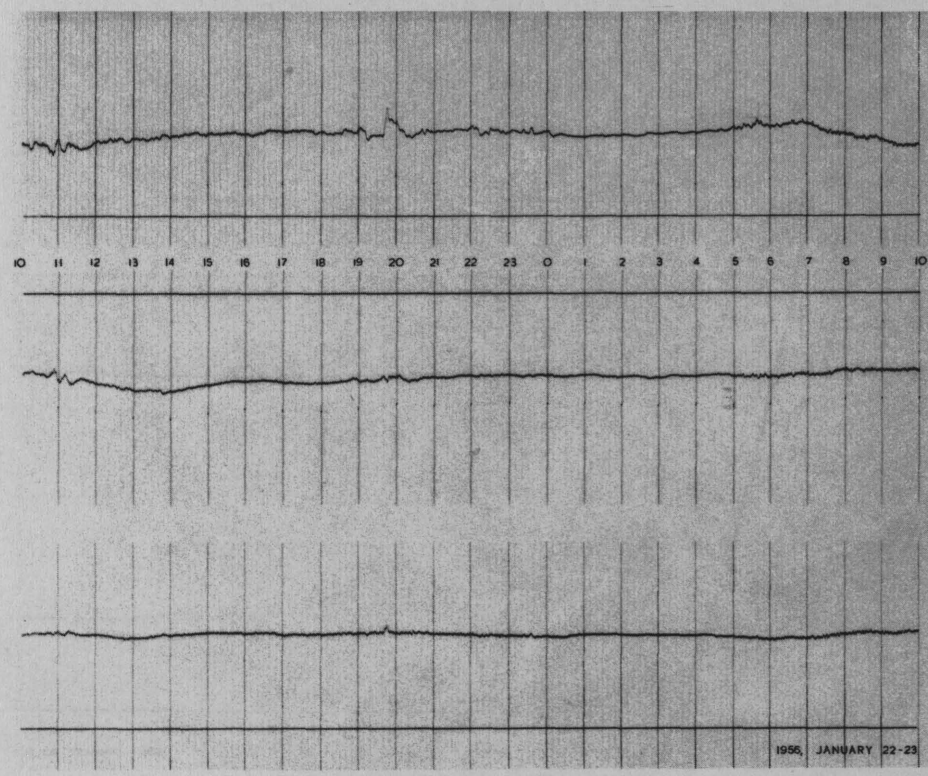


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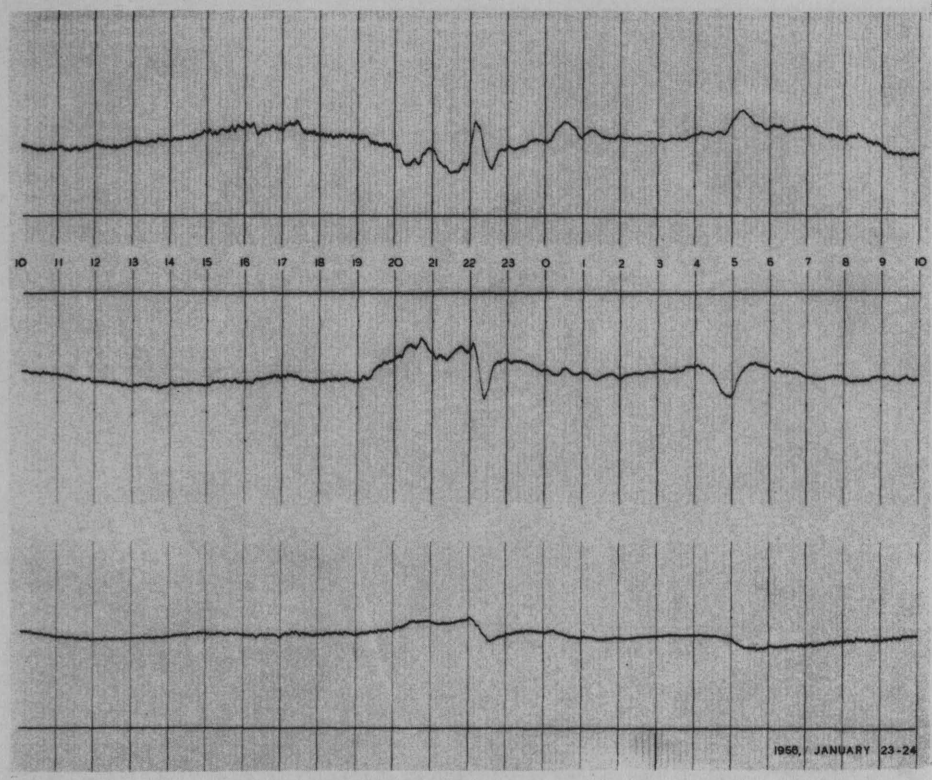


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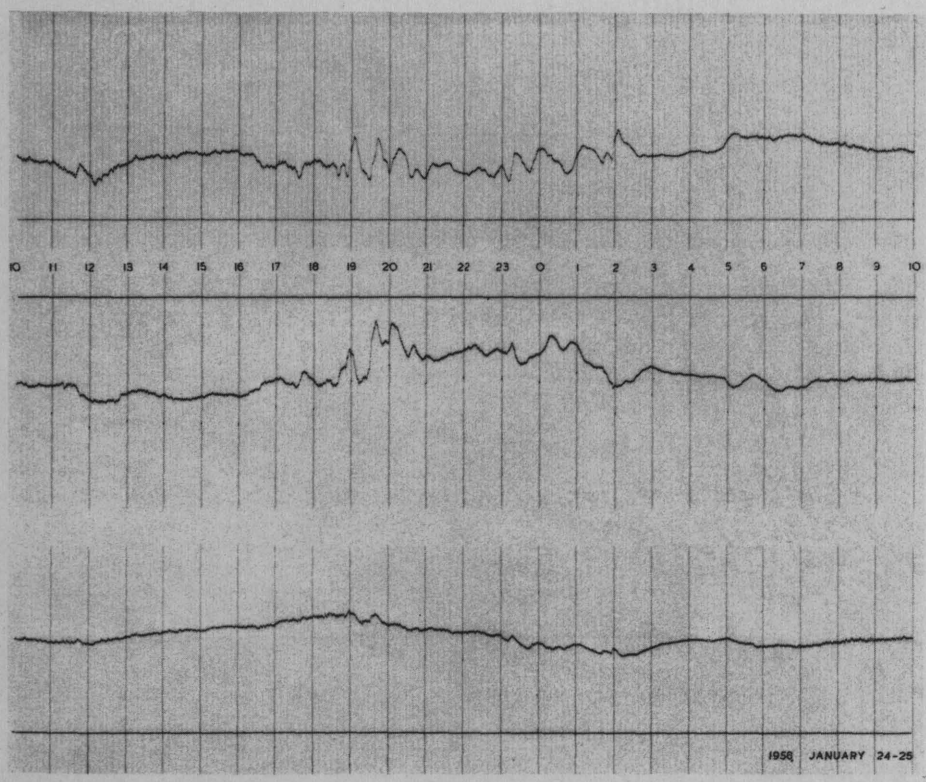


JANUARY 24–25

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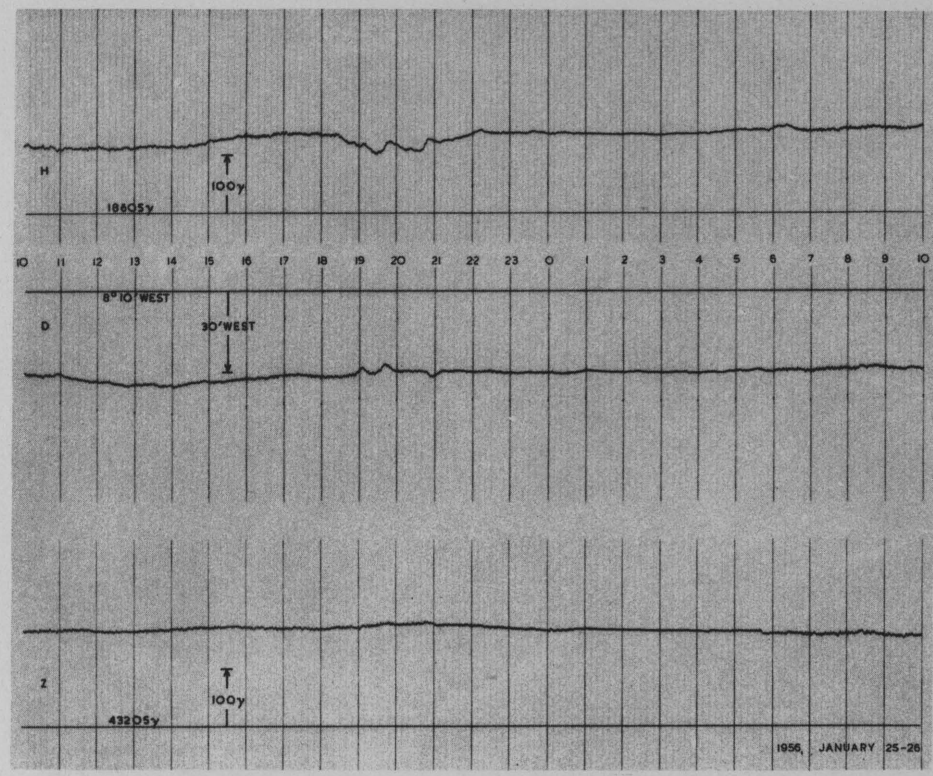
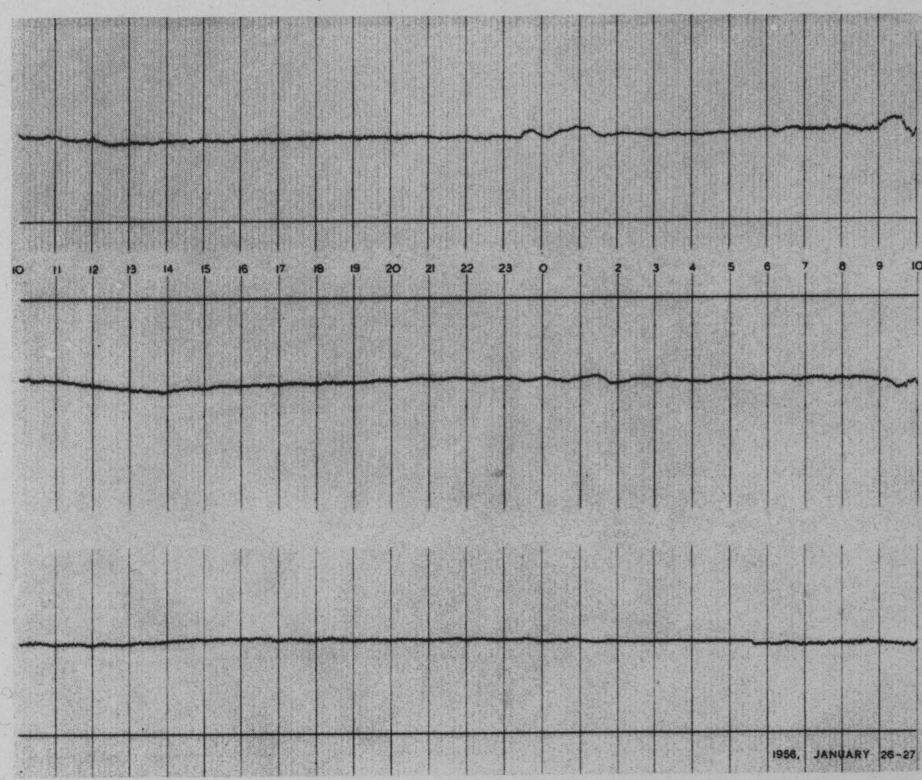
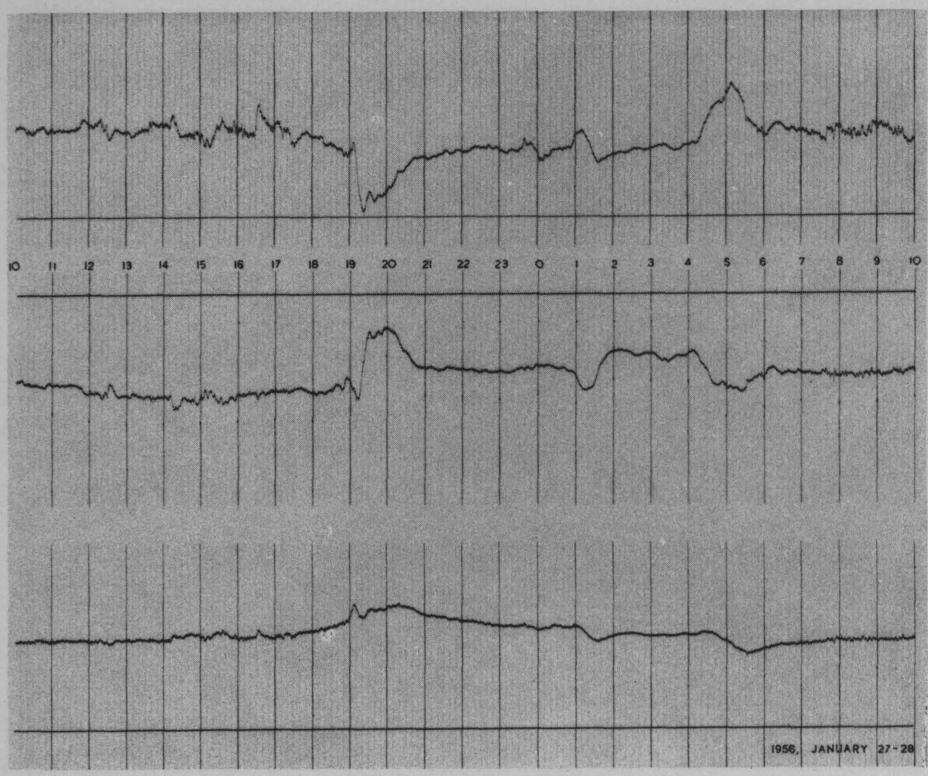



JANUARY 25–26




JANUARY 26–27

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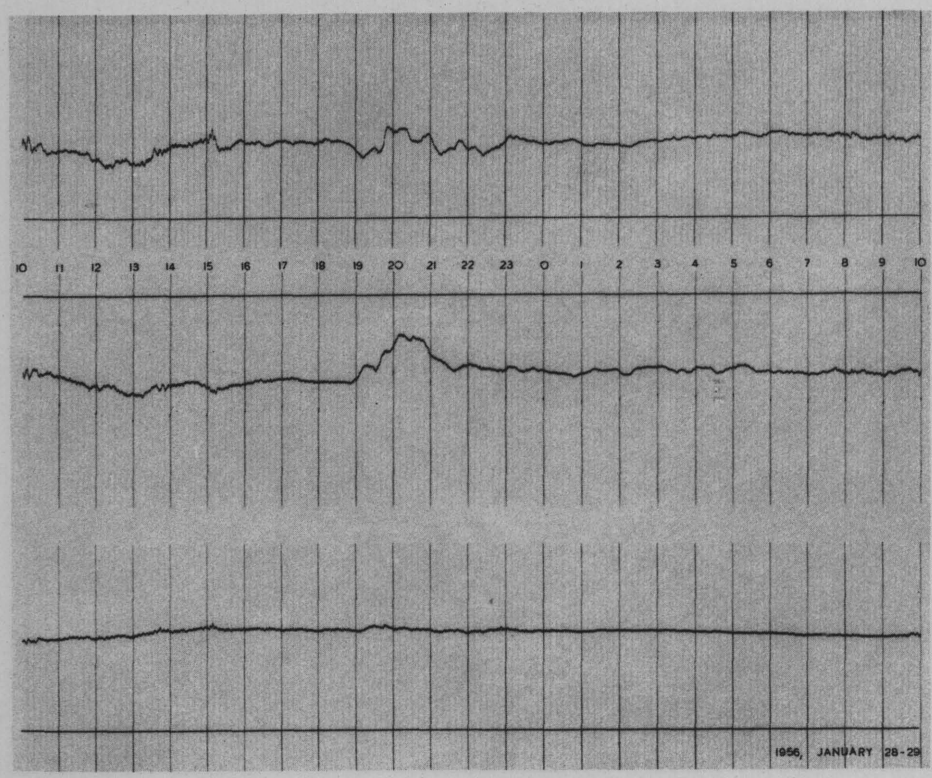
JANUARY 27–28




JANUARY 28–29

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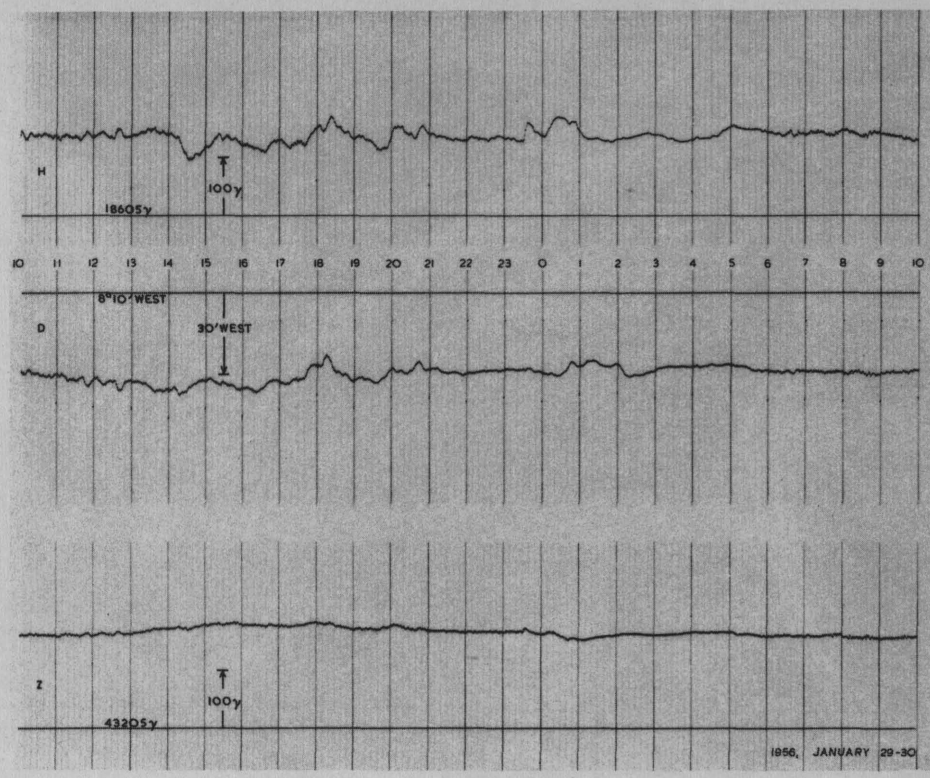
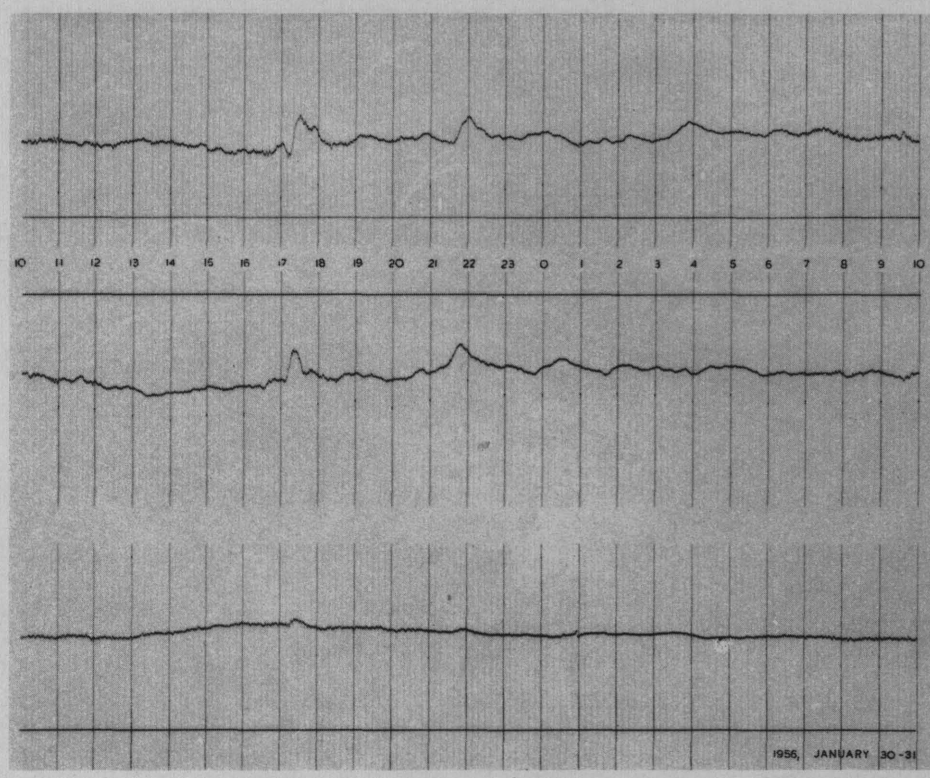
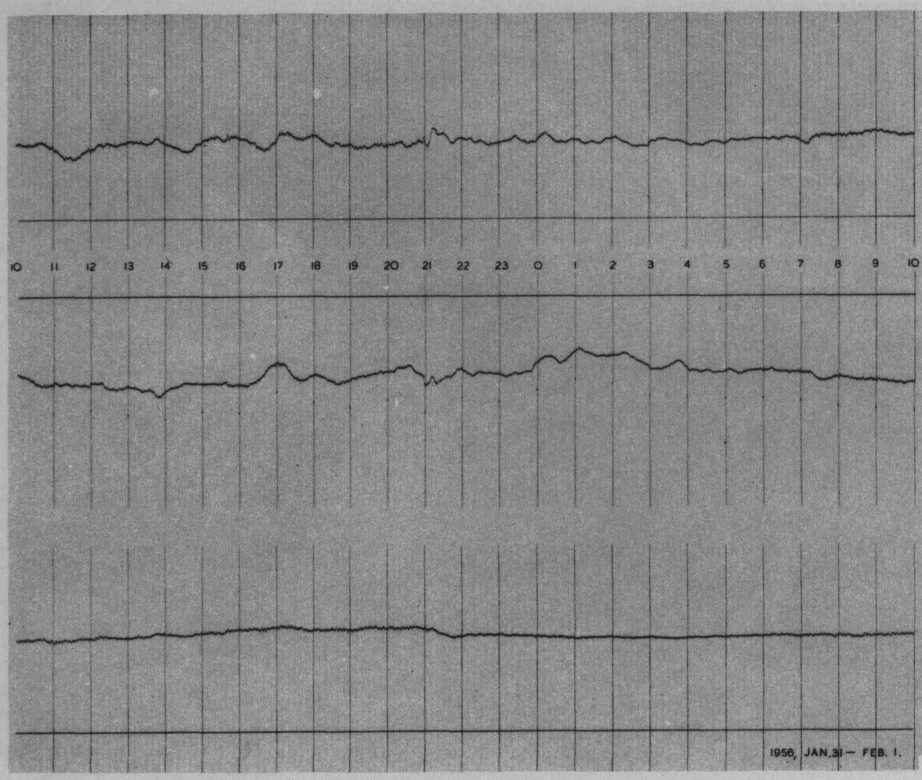



JANUARY 29–30




JANUARY 30–31

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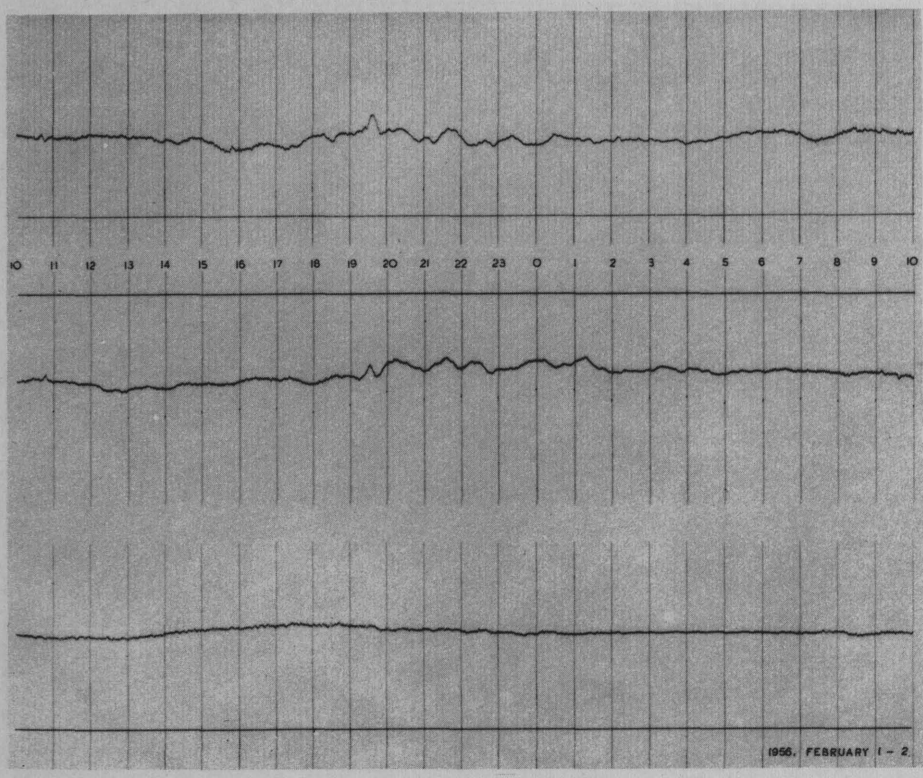
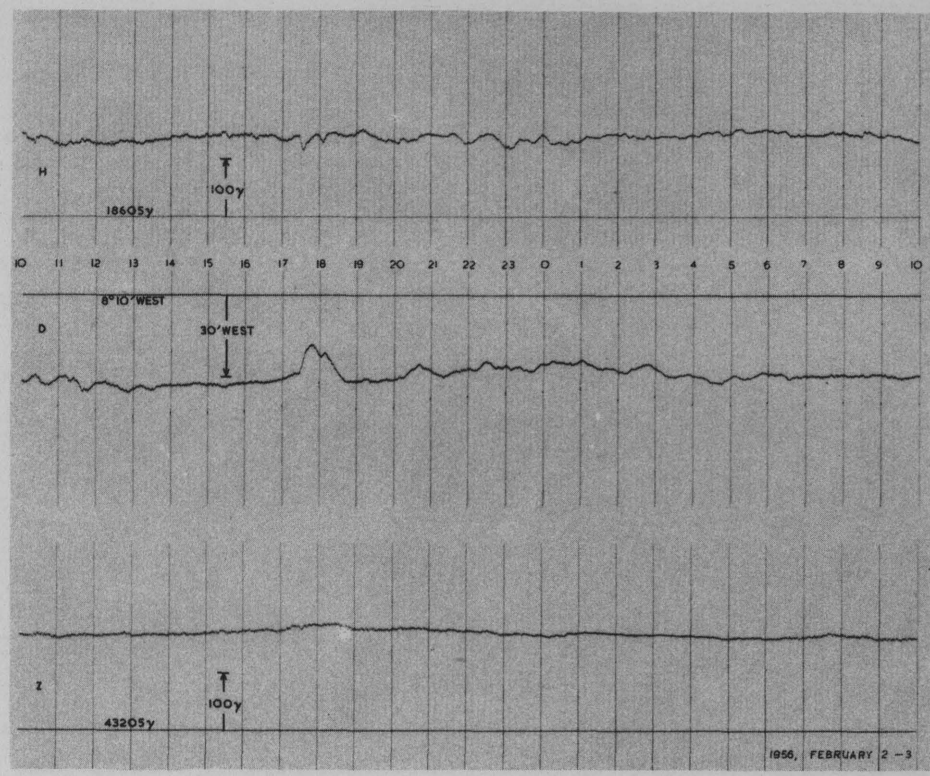
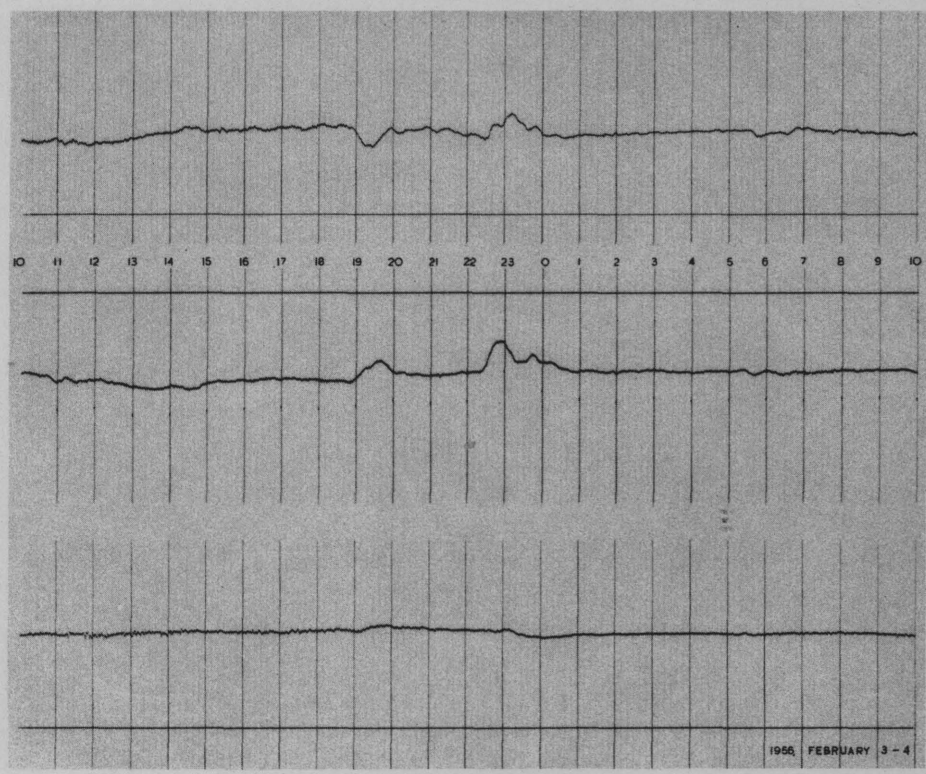



FEBRUARY 1–2

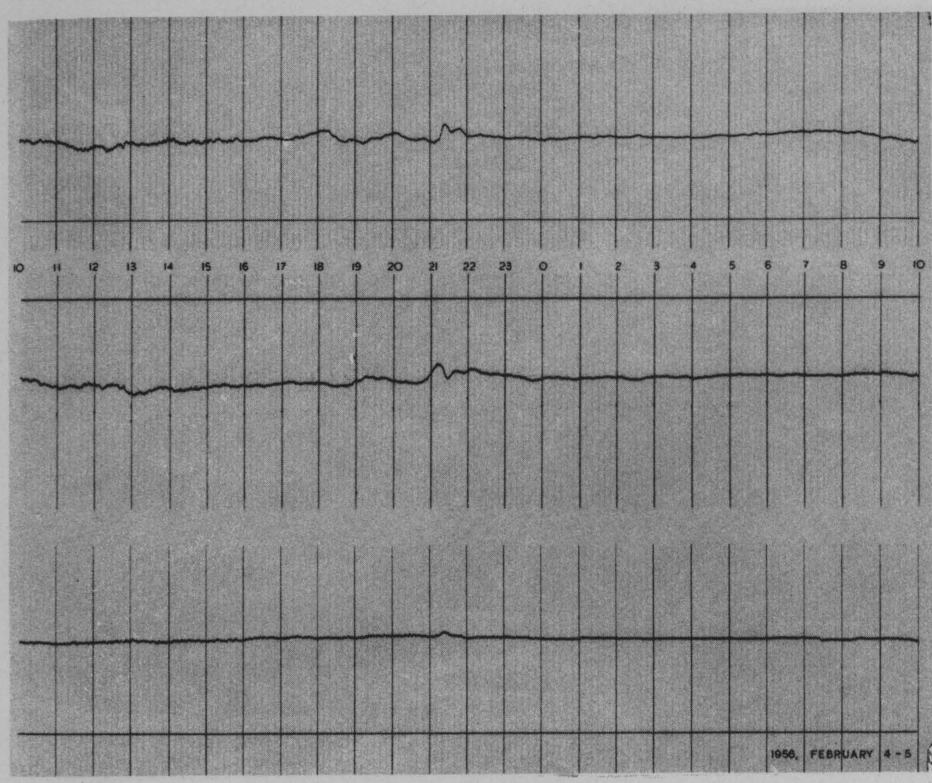
1956




FEBRUARY 2–3




FEBRUARY 3–4

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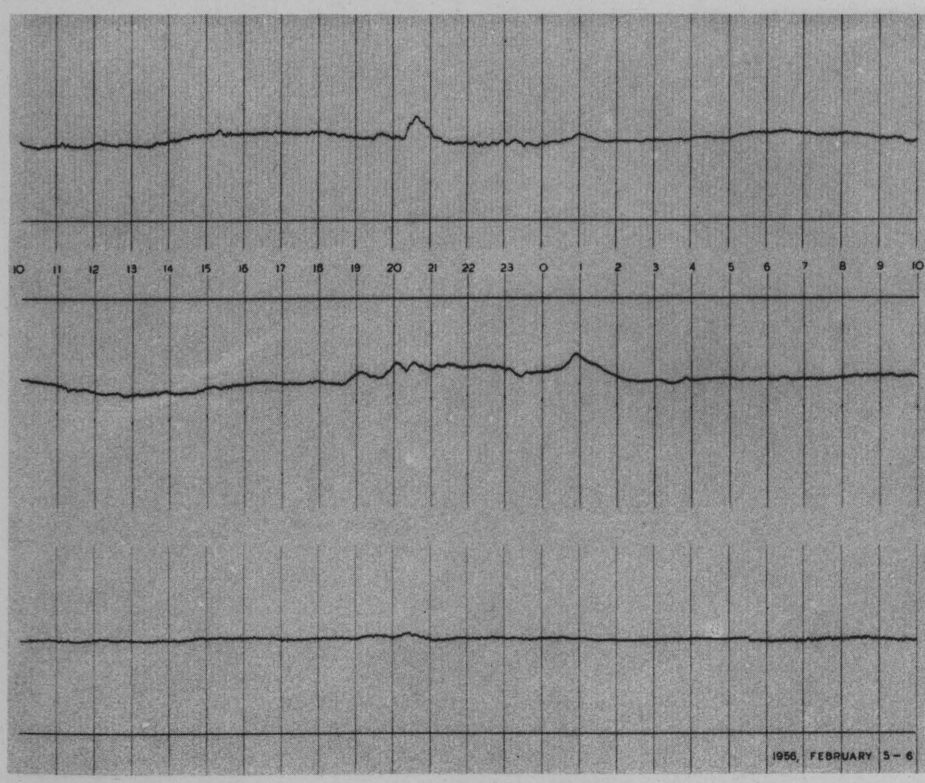
FEBRUARY 4–5




FEBRUARY 5–6

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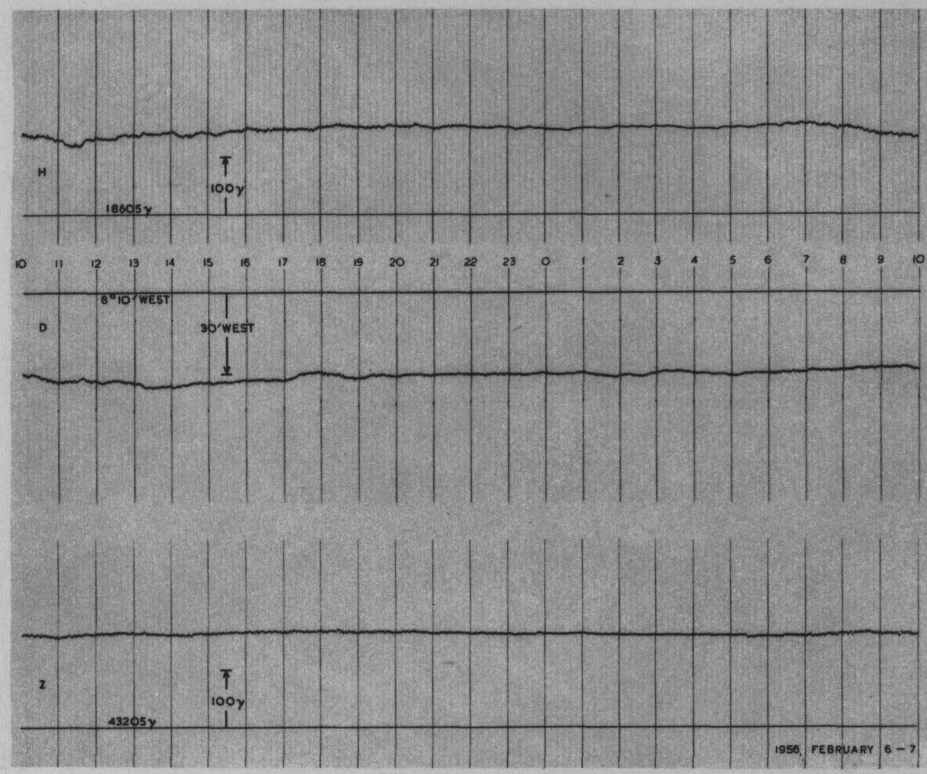
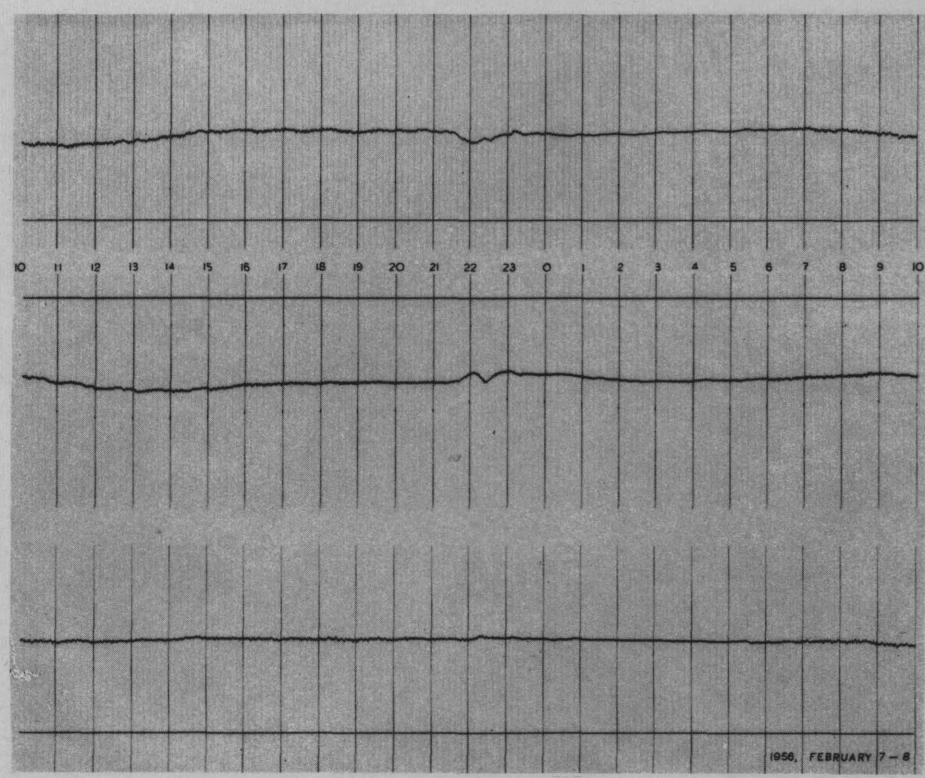



FEBRUARY 6–7




FEBRUARY 7–8

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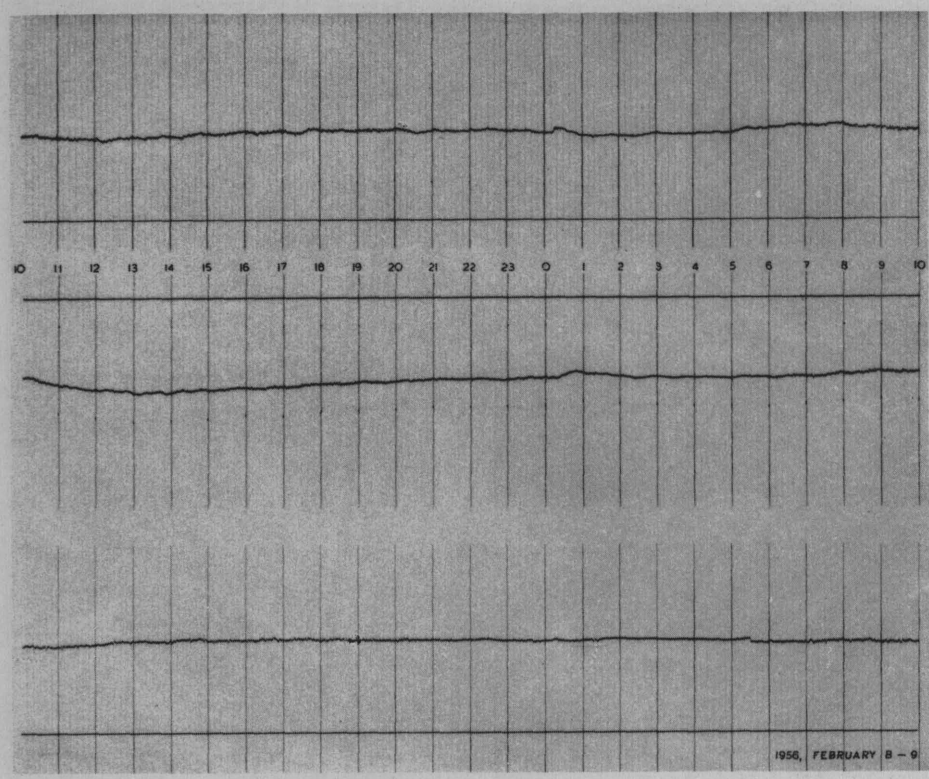
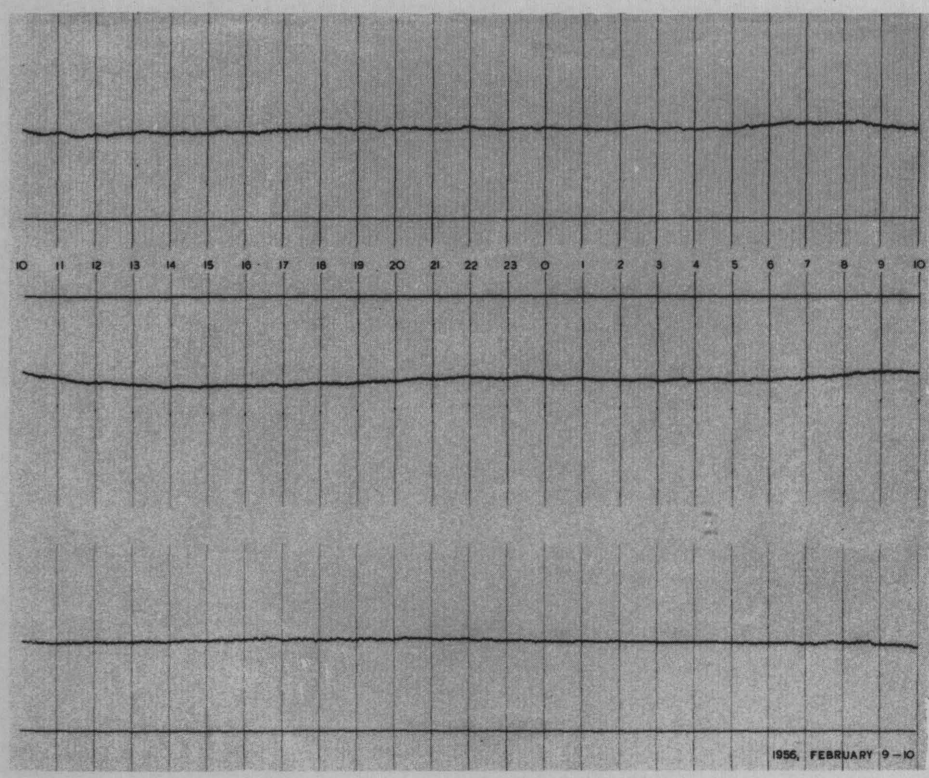



FEBRUARY 8–9




FEBRUARY 9–10

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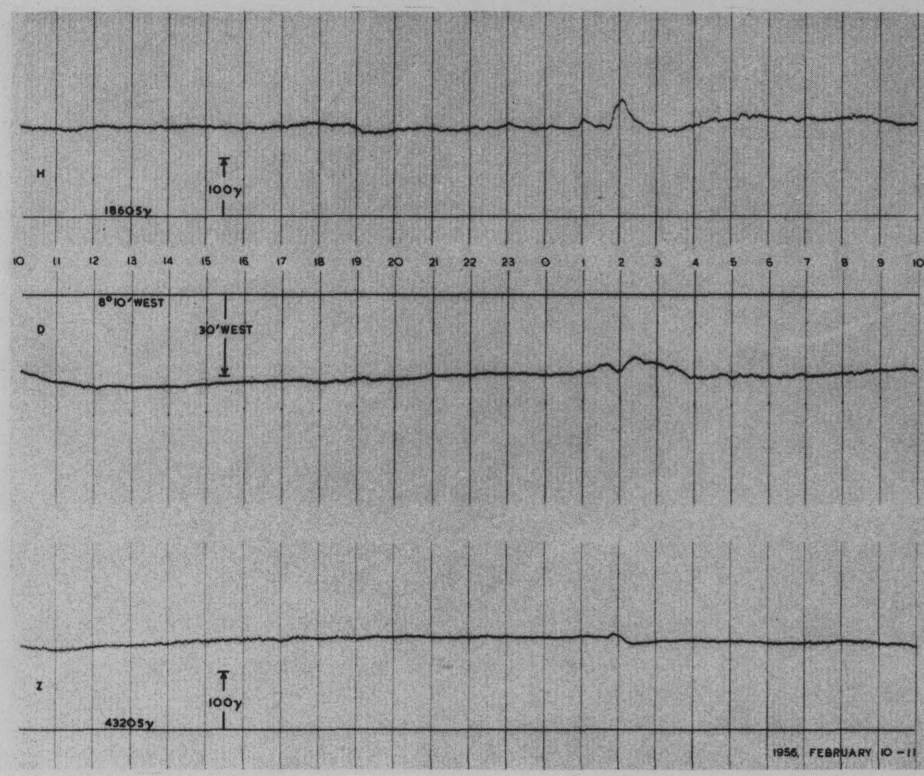
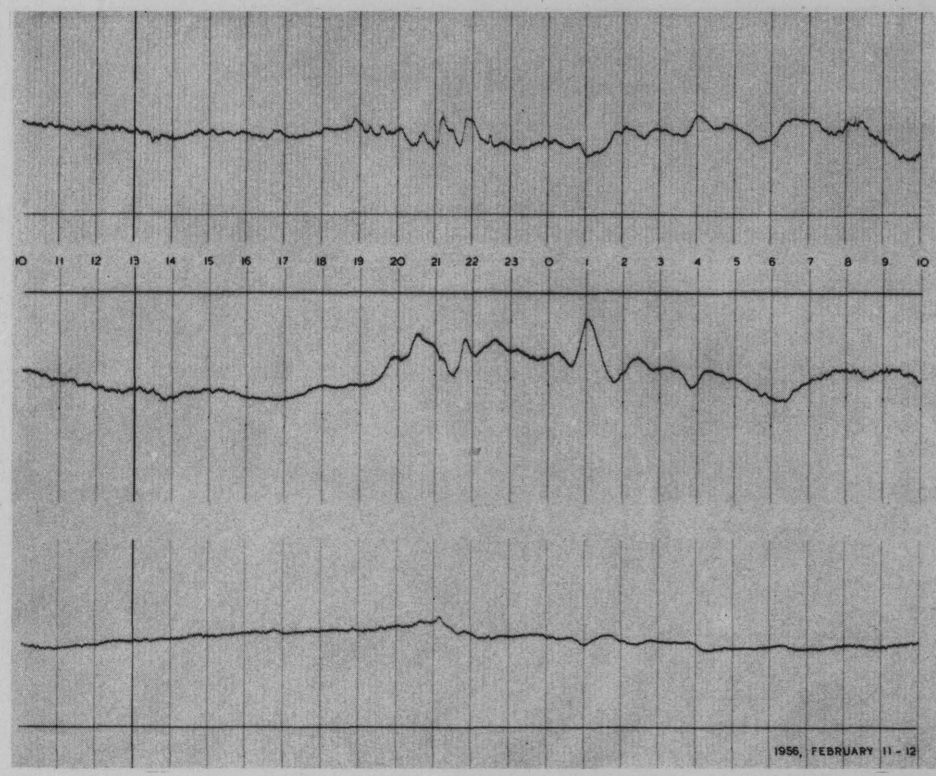
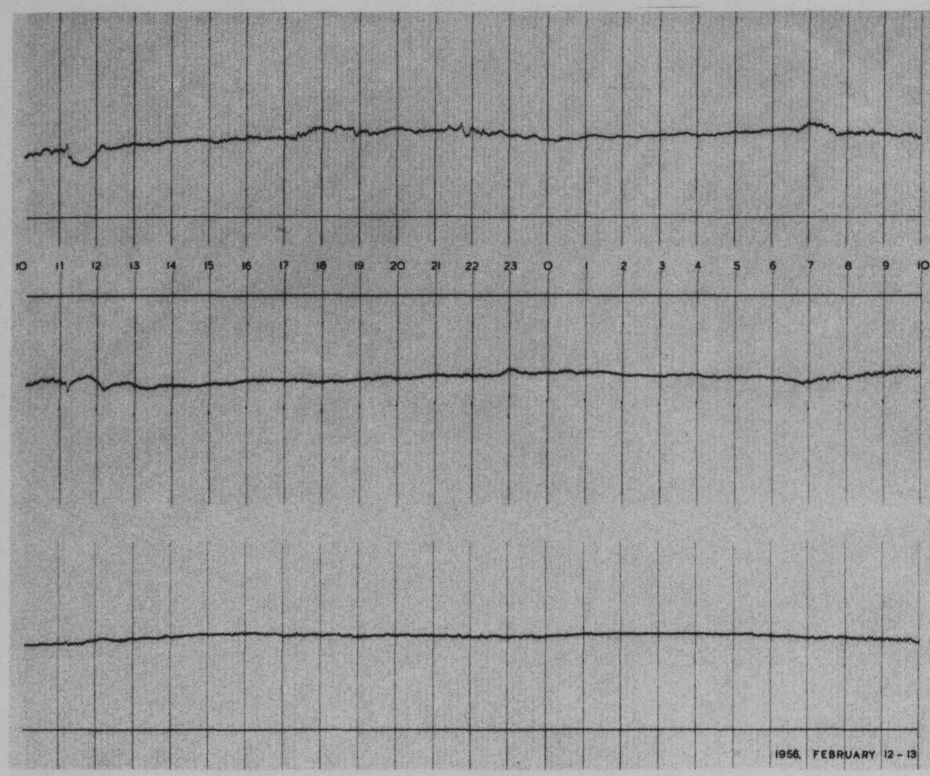



FEBRUARY 10–11




FEBRUARY 11–12

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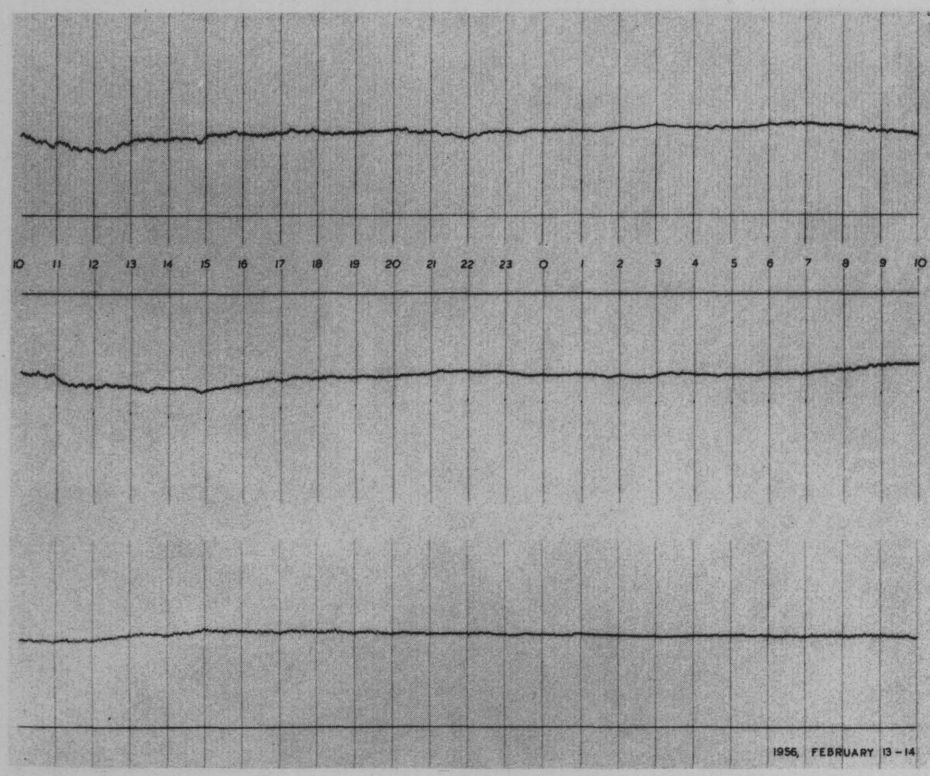
FEBRUARY 12–13




FEBRUARY 13–14

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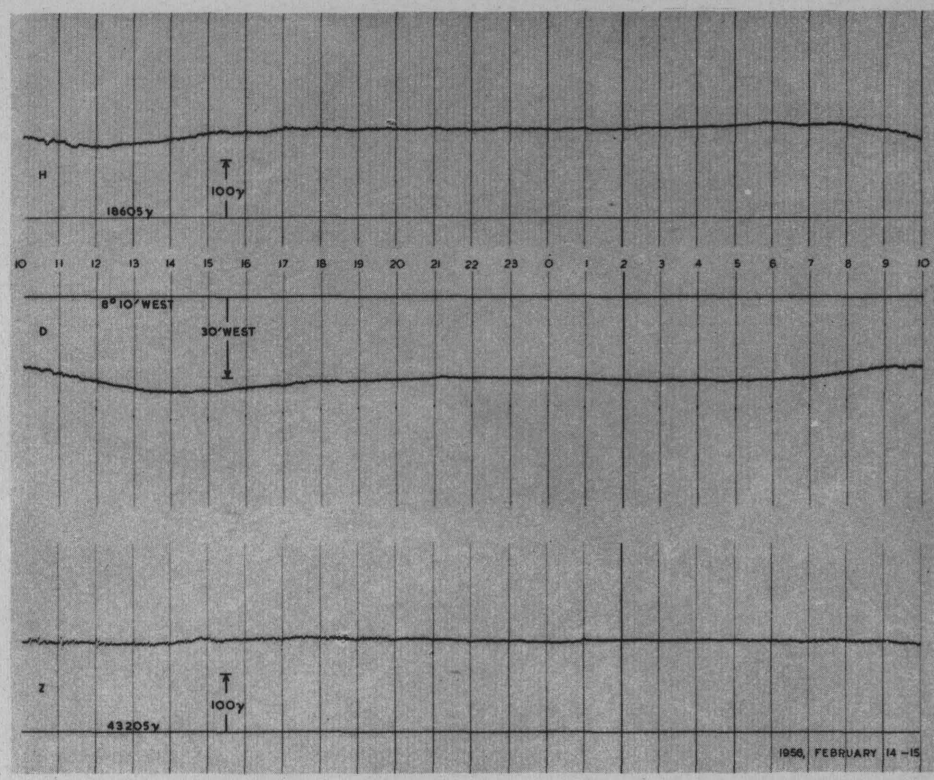
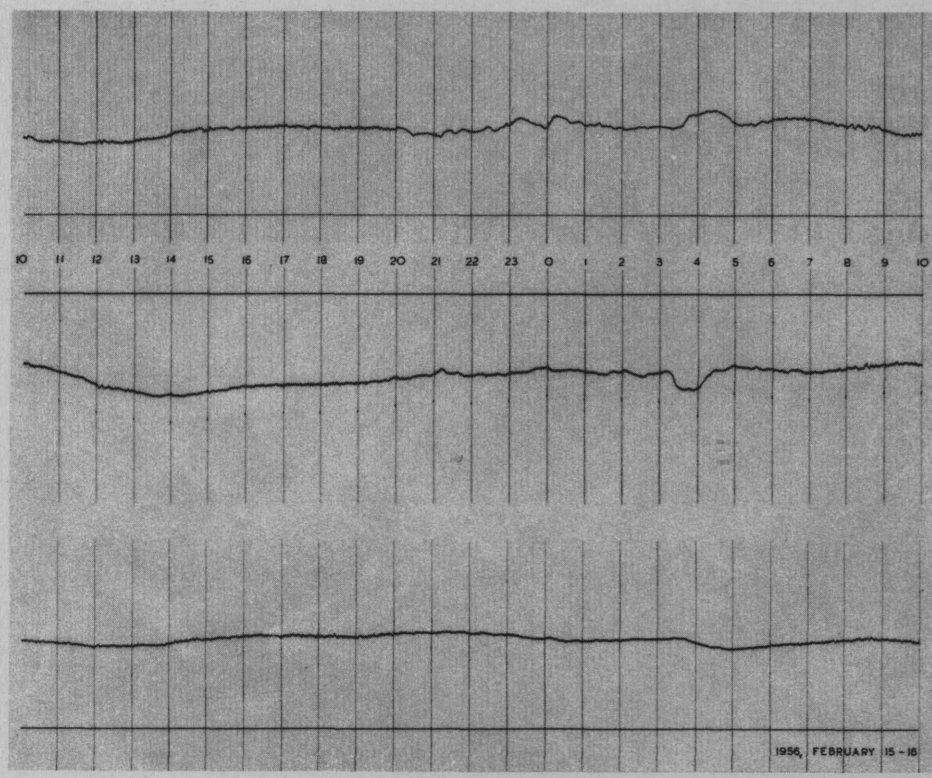
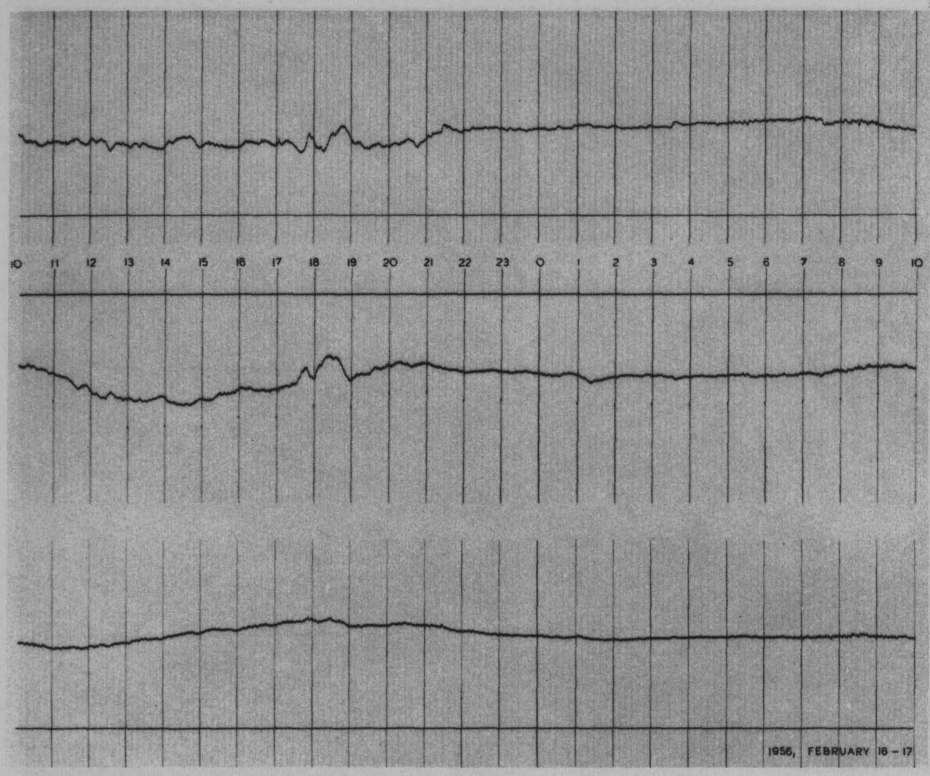



FEBRUARY 14–15




FEBRUARY 15–16

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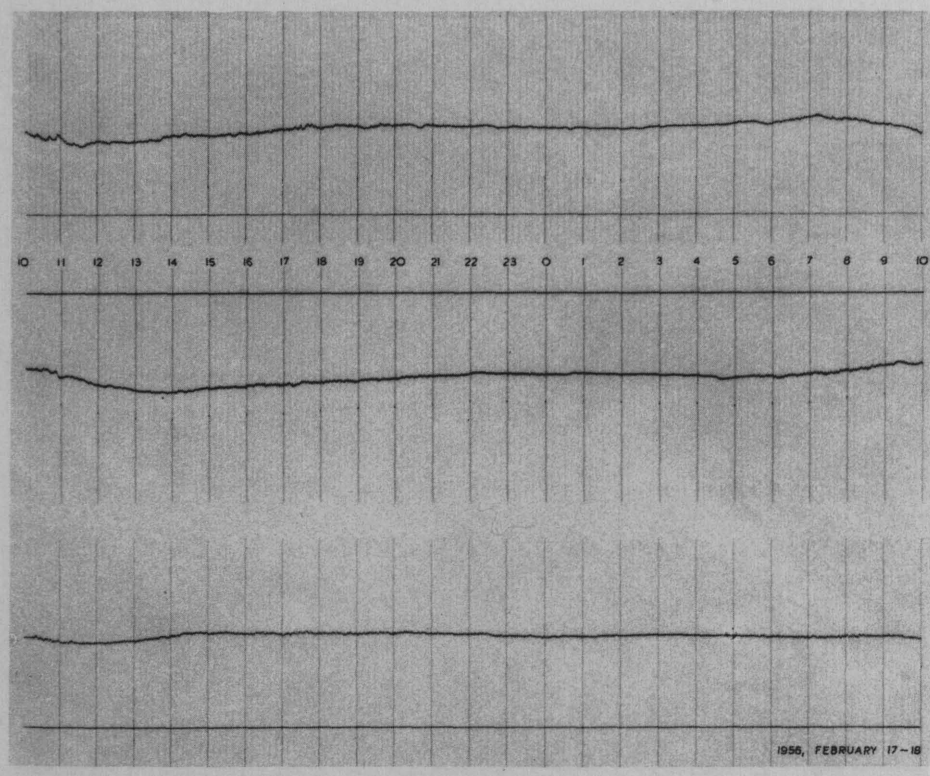
FEBRUARY 16–17




FEBRUARY 17–18

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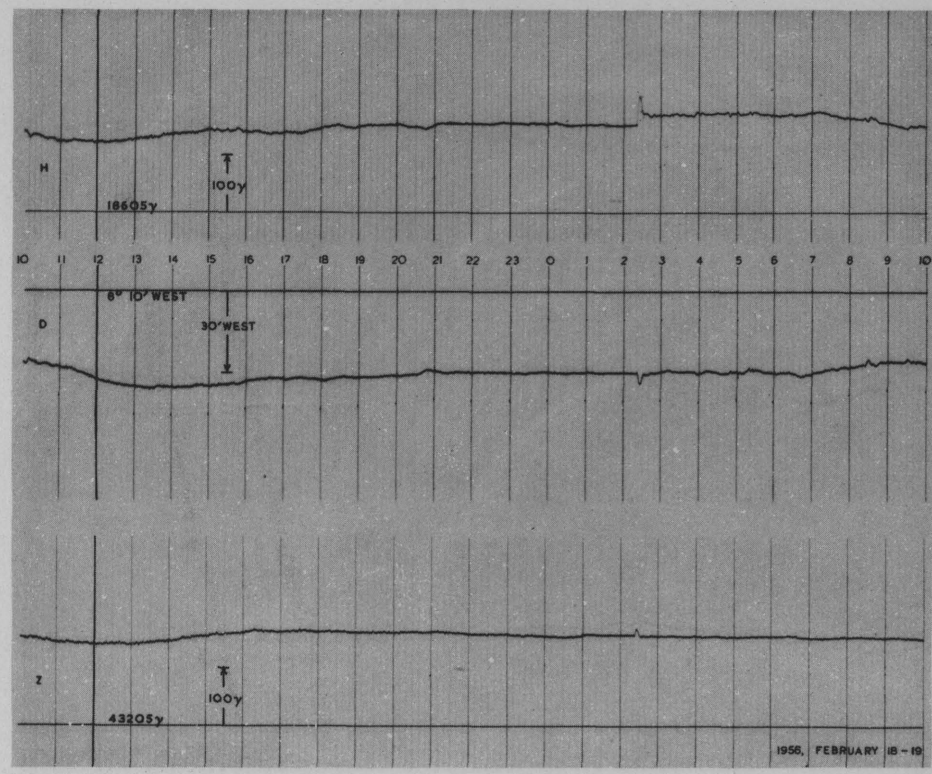
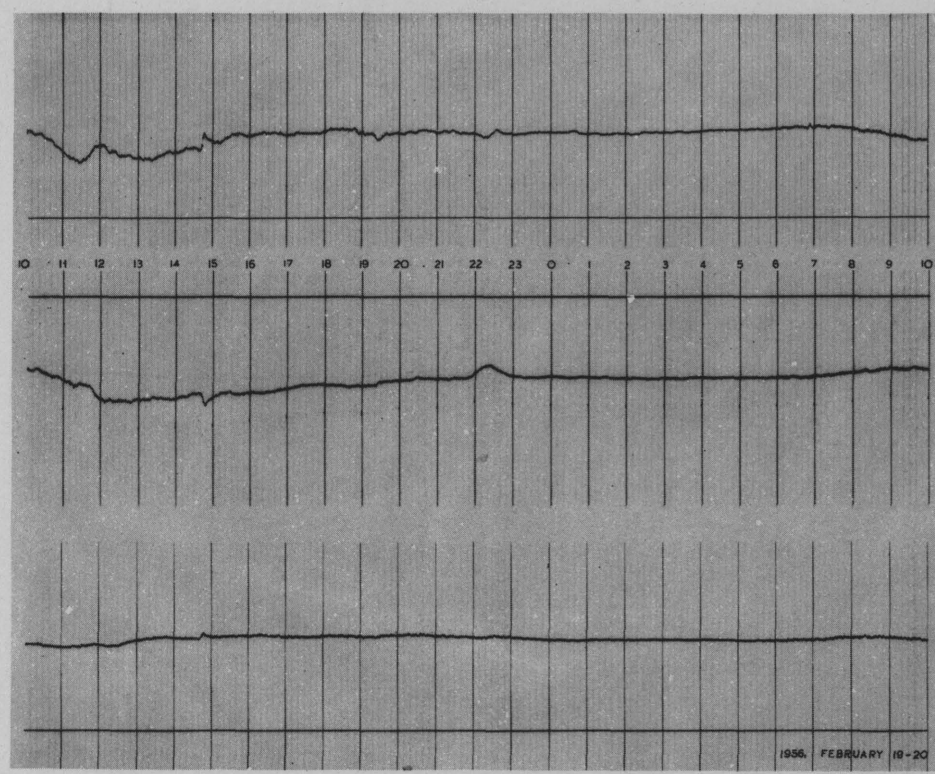



FEBRUARY 18–19




FEBRUARY 19–20

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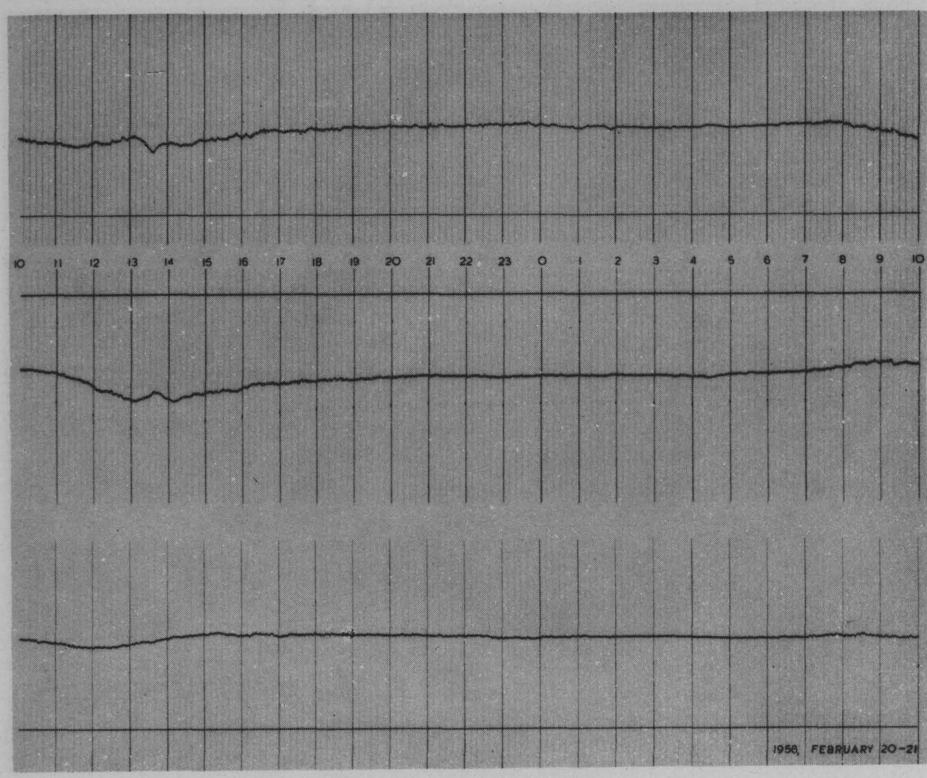
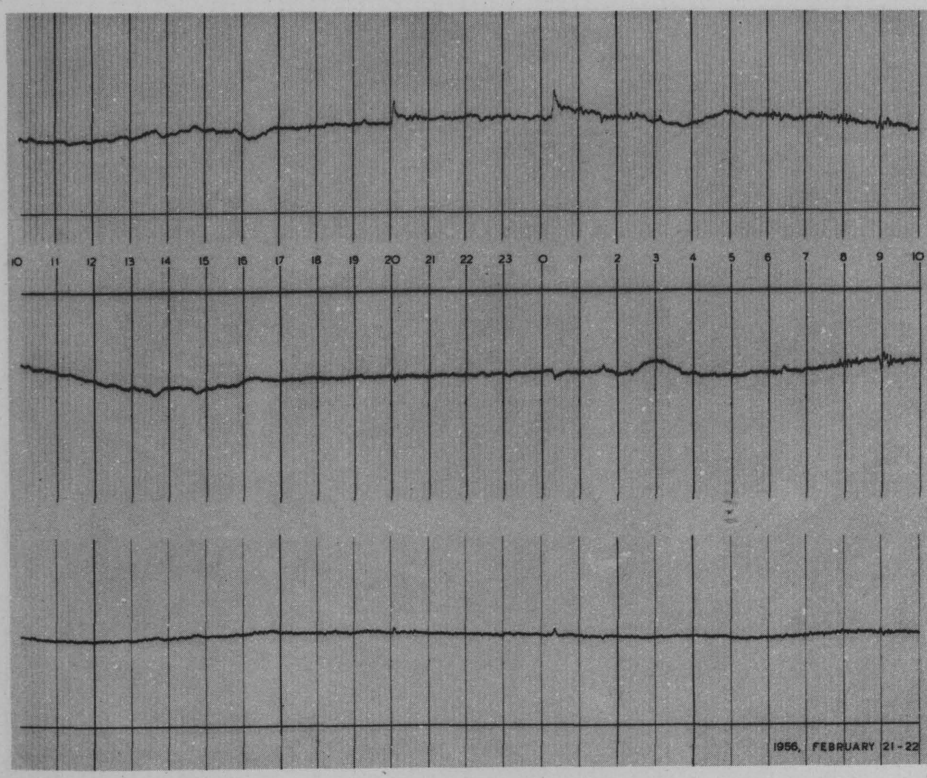



FEBRUARY 20–21




FEBRUARY 21–22

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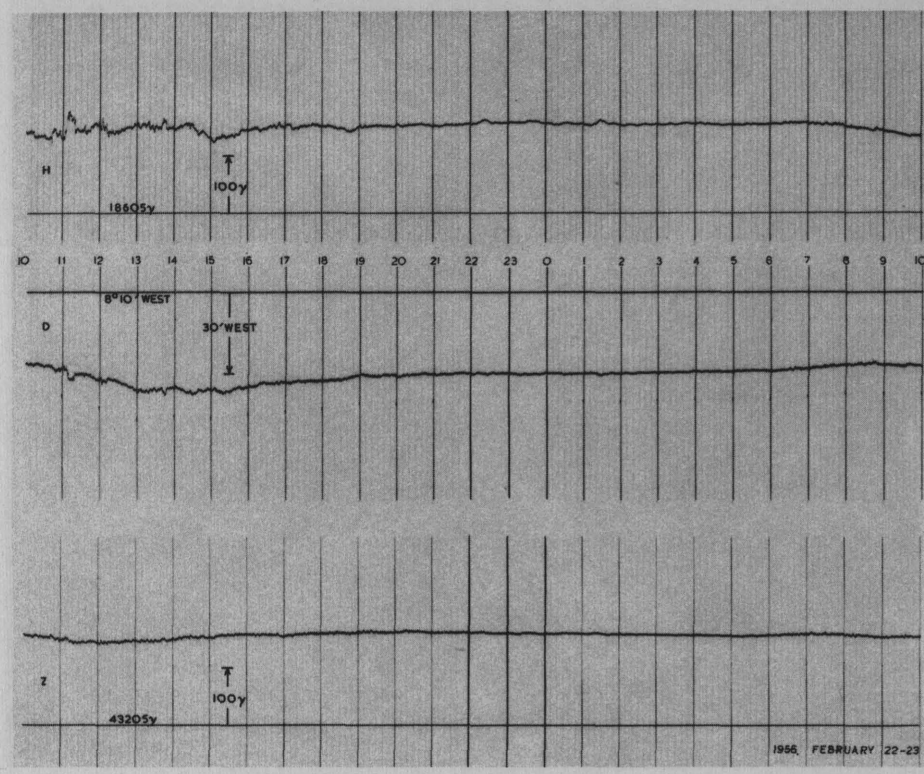
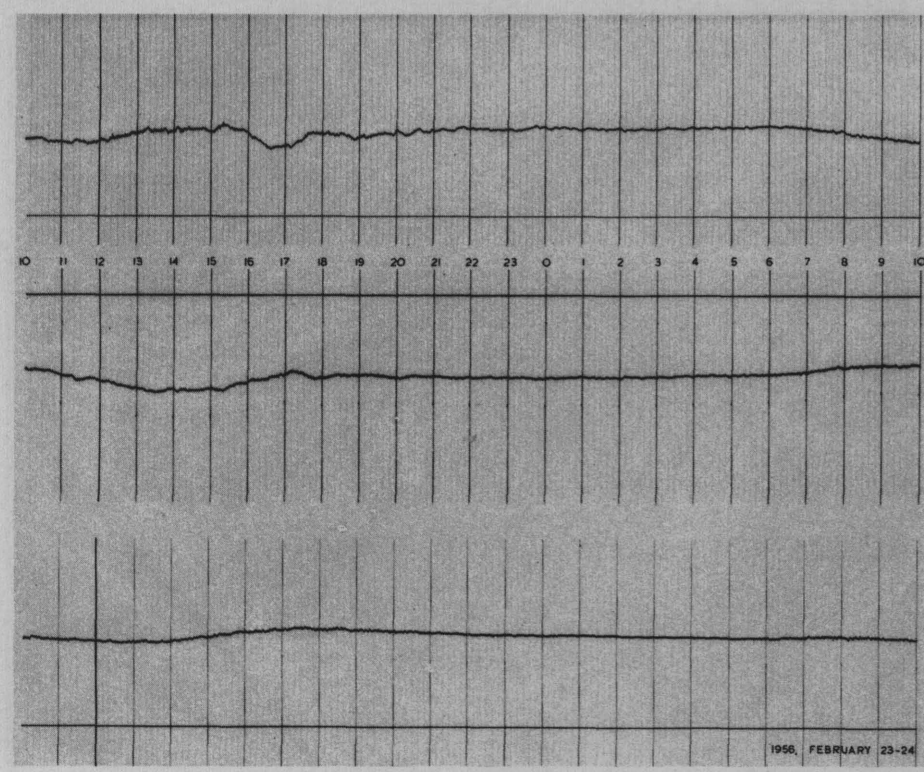
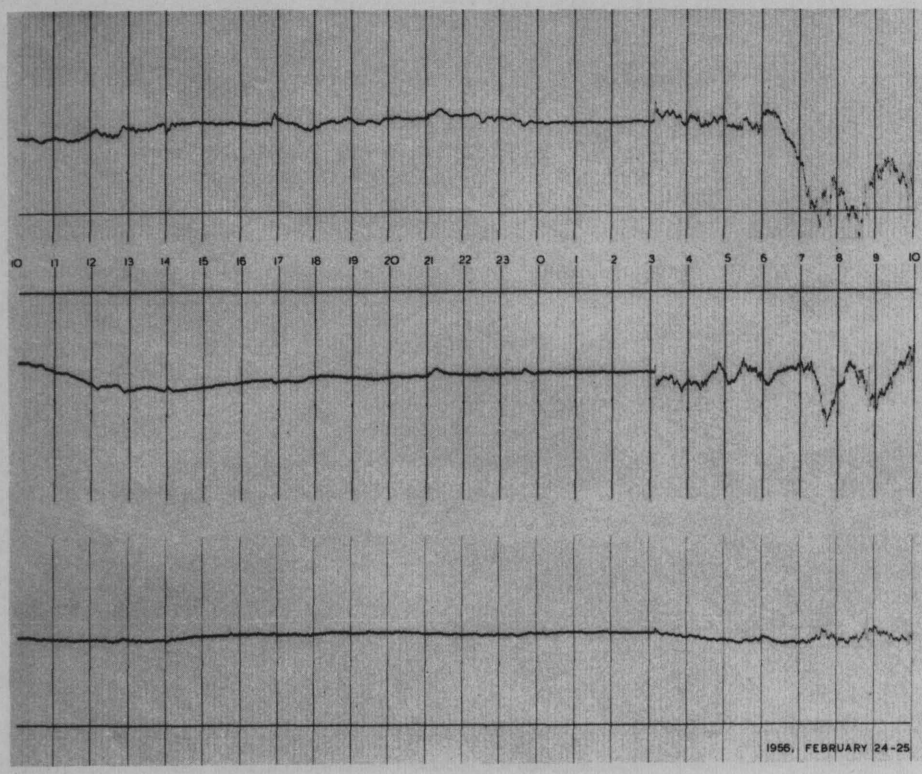



FEBRUARY 22–23




FEBRUARY 23–24

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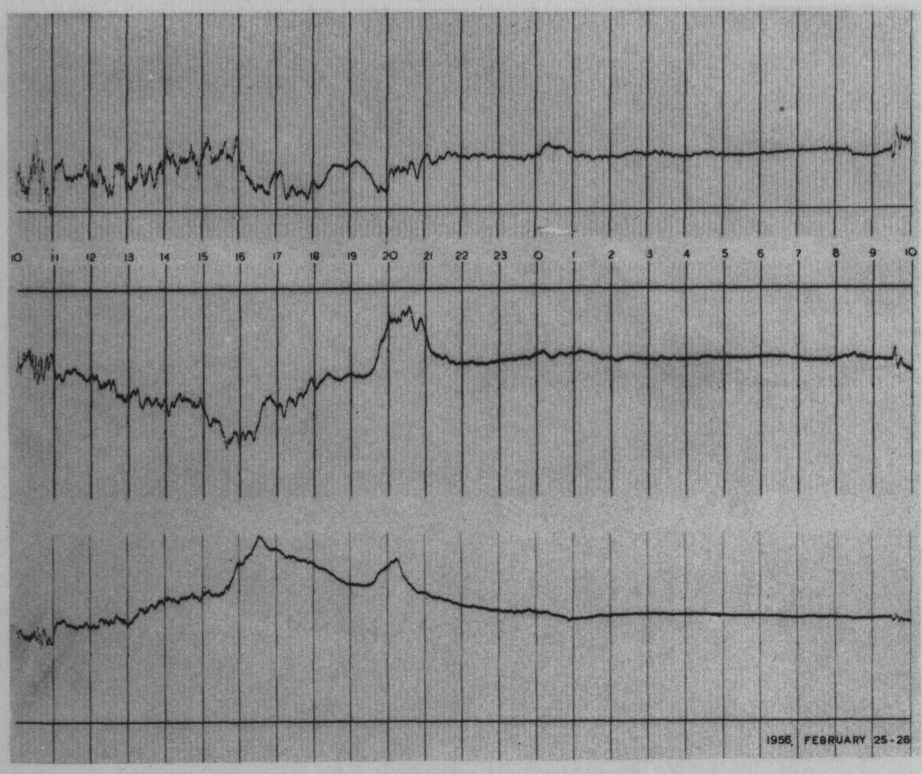
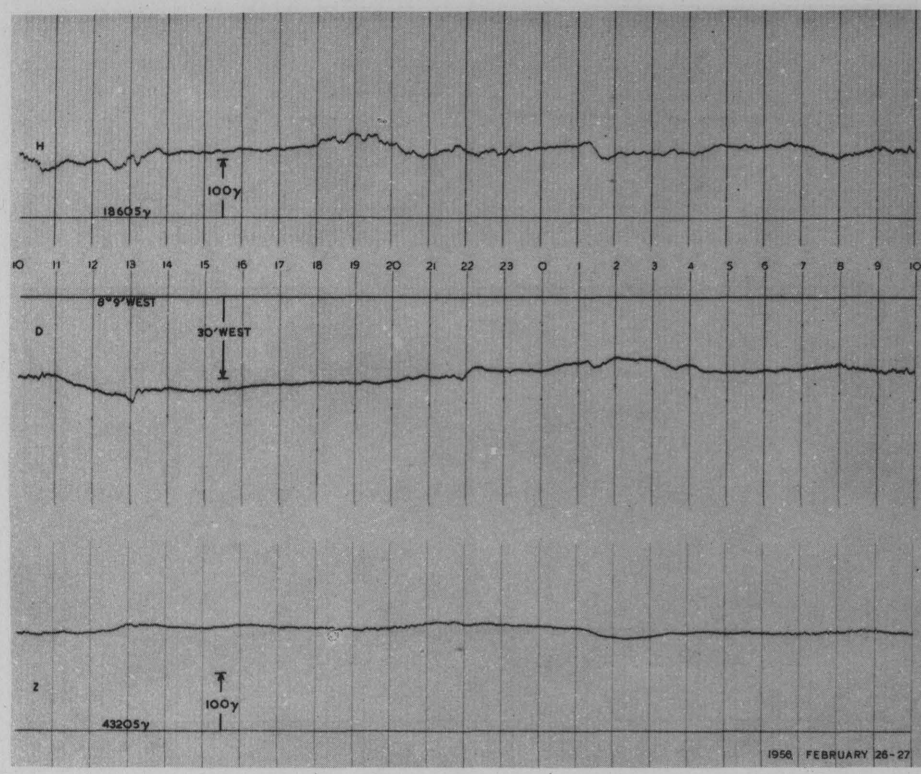
FEBRUARY 24–25

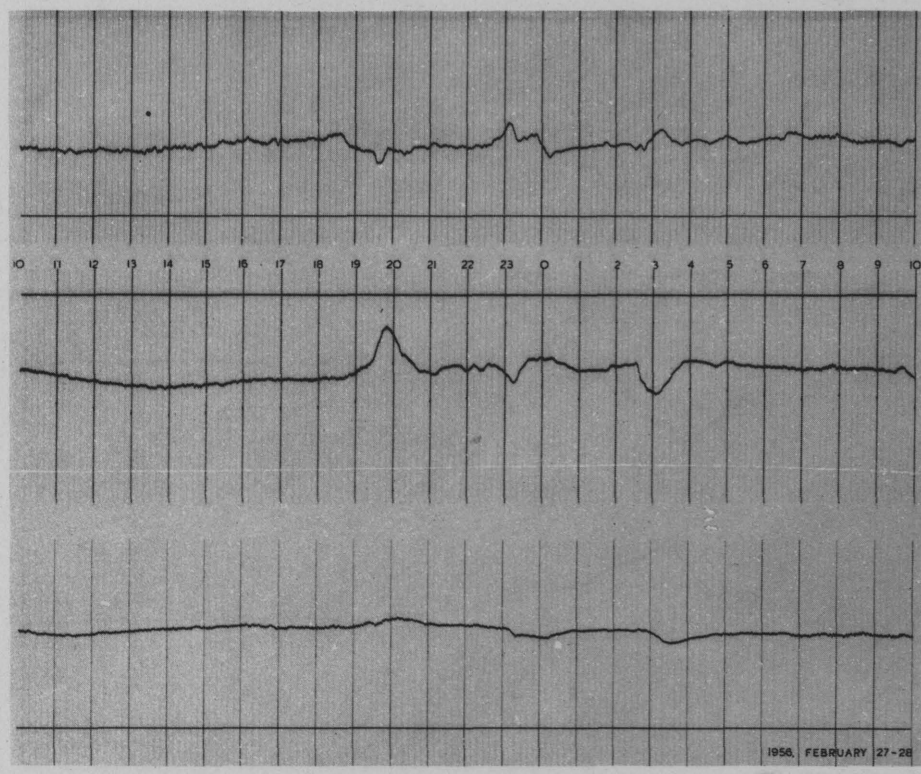



FEBRUARY 25–26

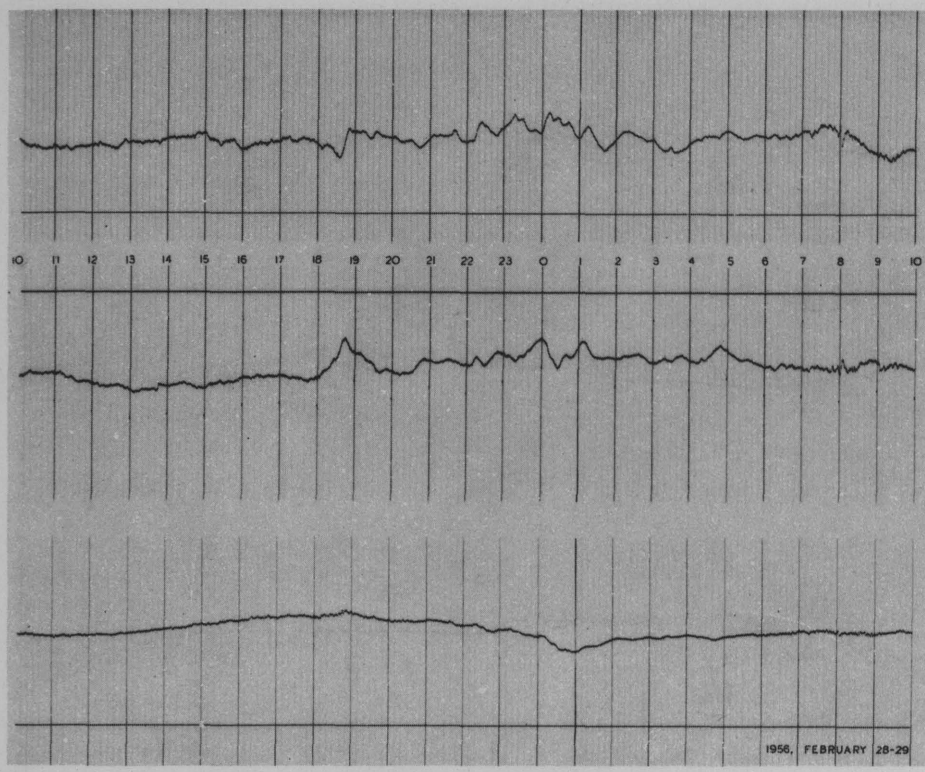
1956




FEBRUARY 26–27




FEBRUARY 27–28

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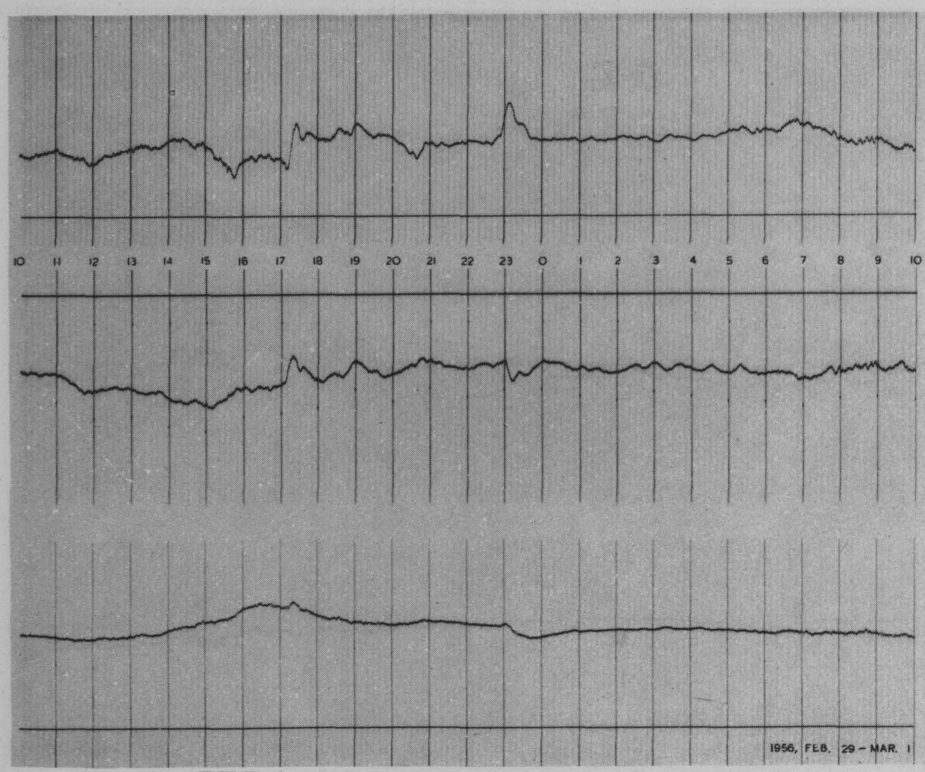
FEBRUARY 28–29




FEB. 29- MAR. 1

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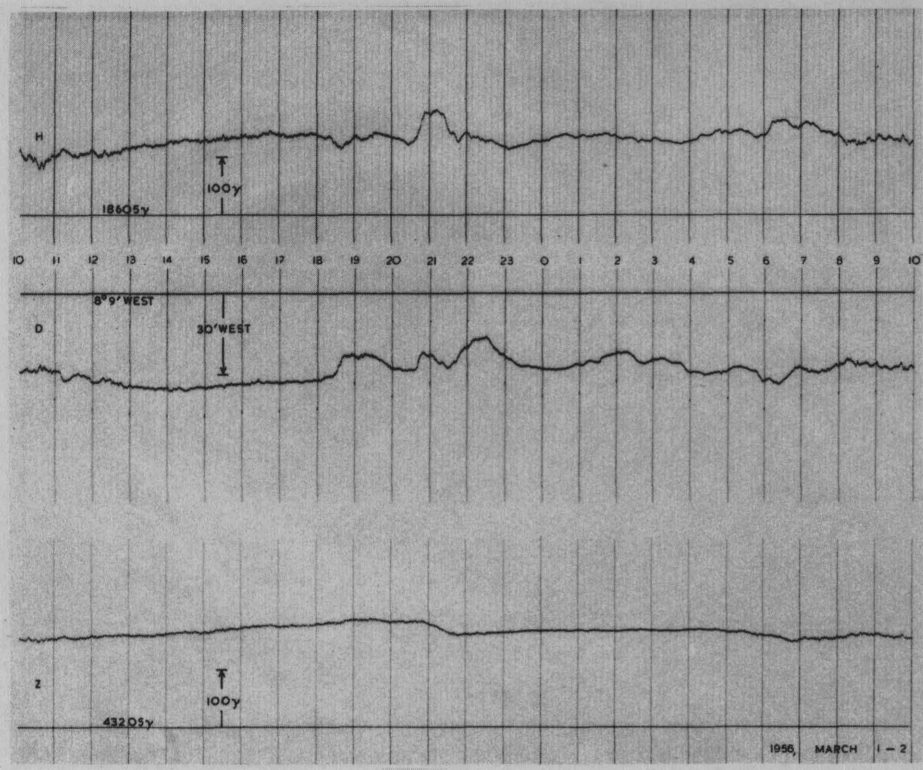
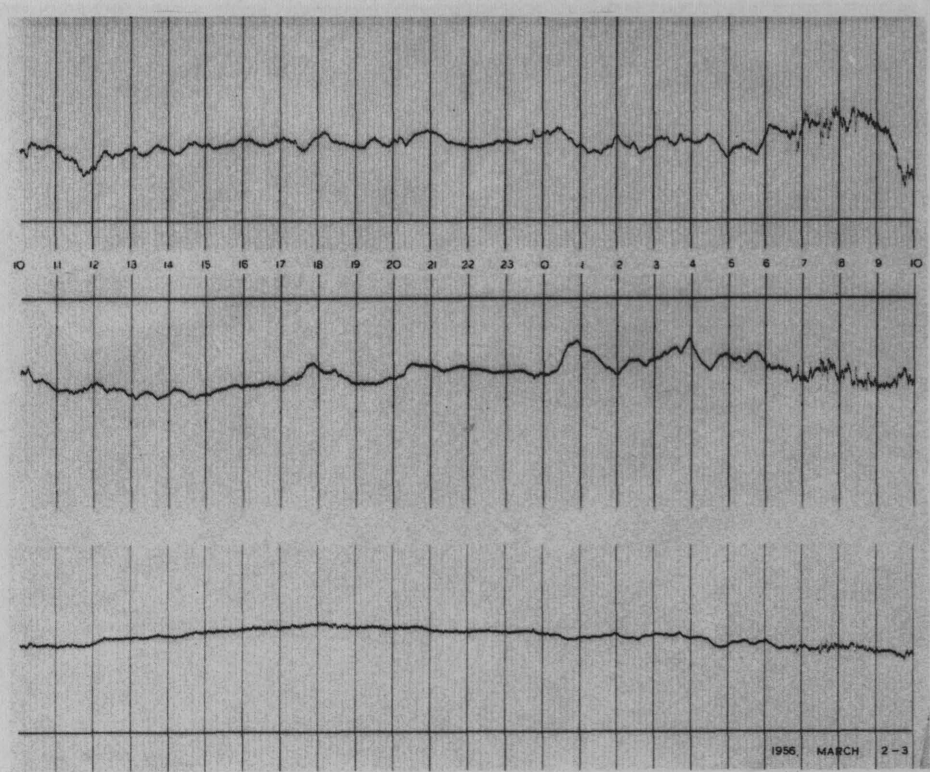
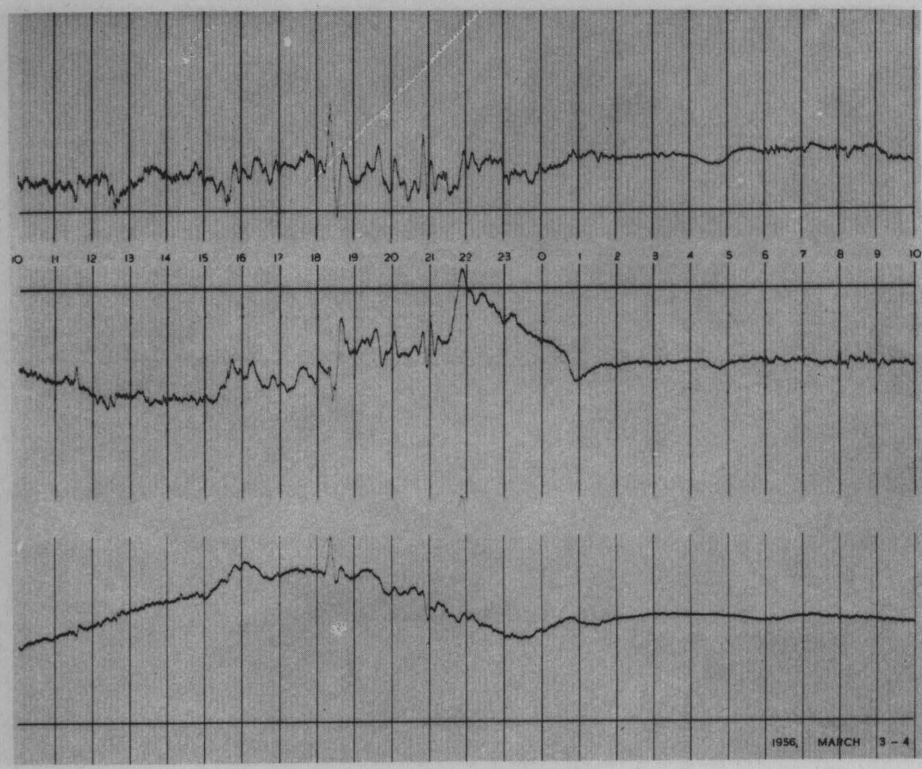



MARCH 1–2

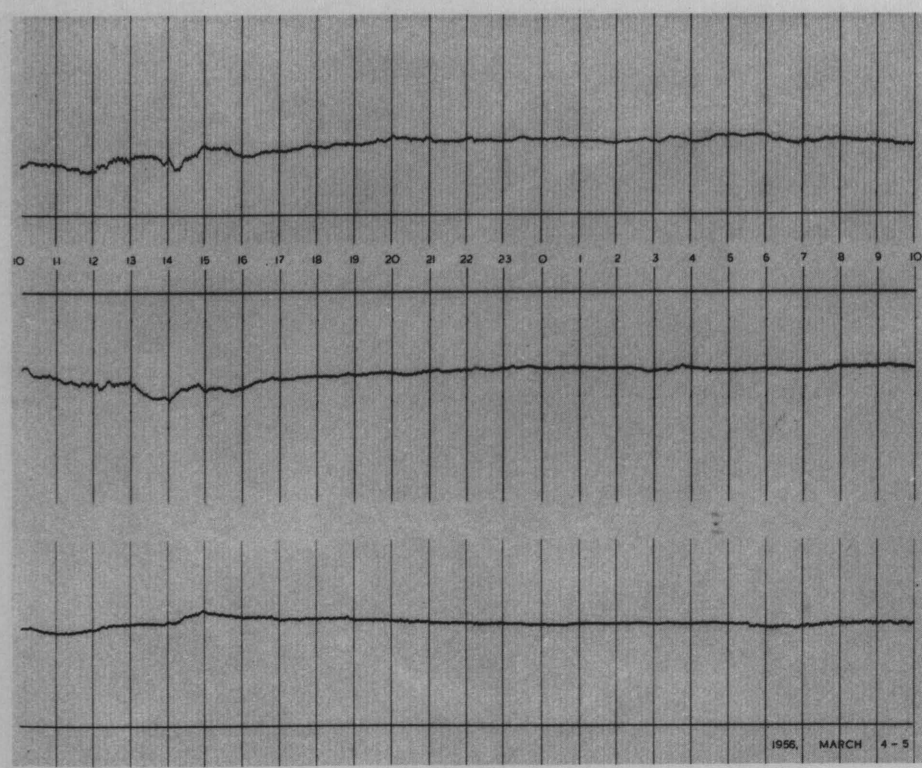



MARCH 2–3

1956




MARCH 3–4




MARCH 4–5

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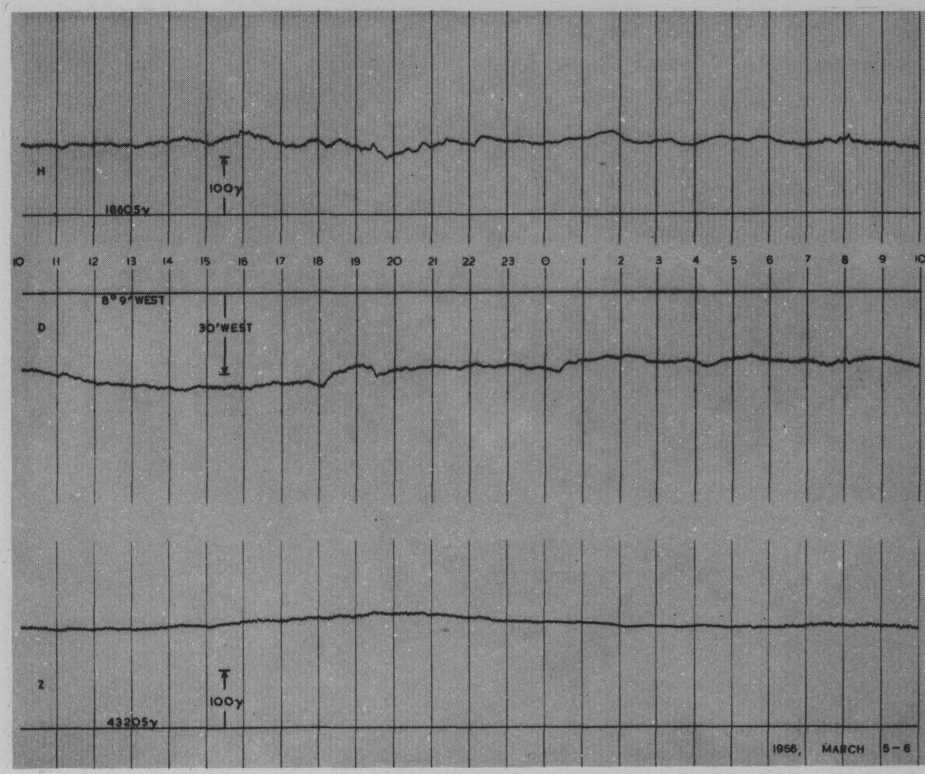
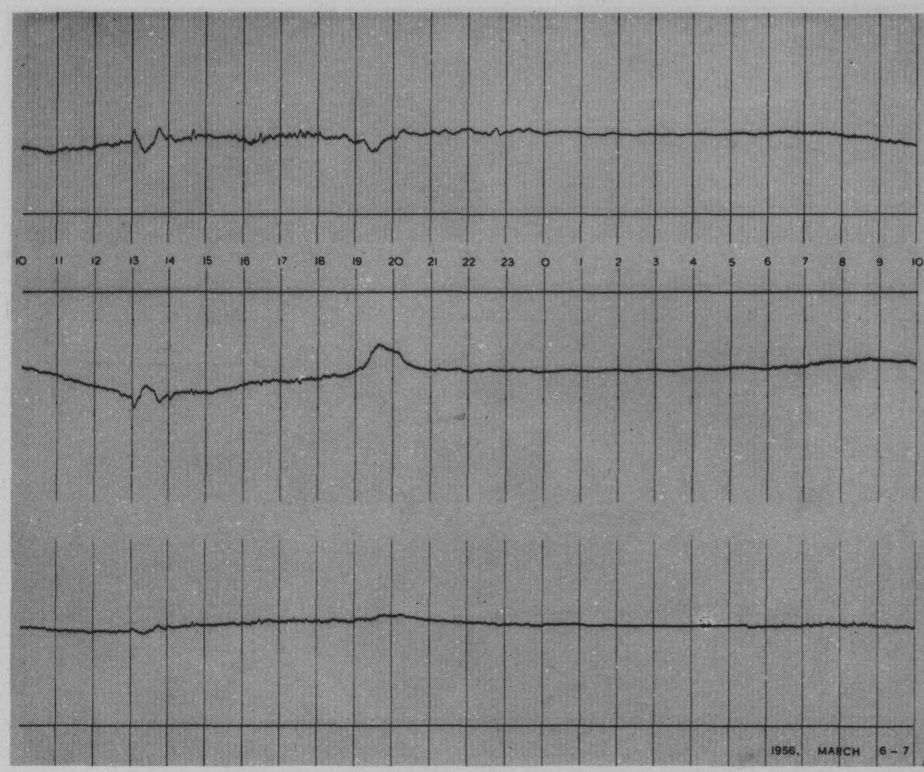



MARCH 5–6




MARCH 6–7

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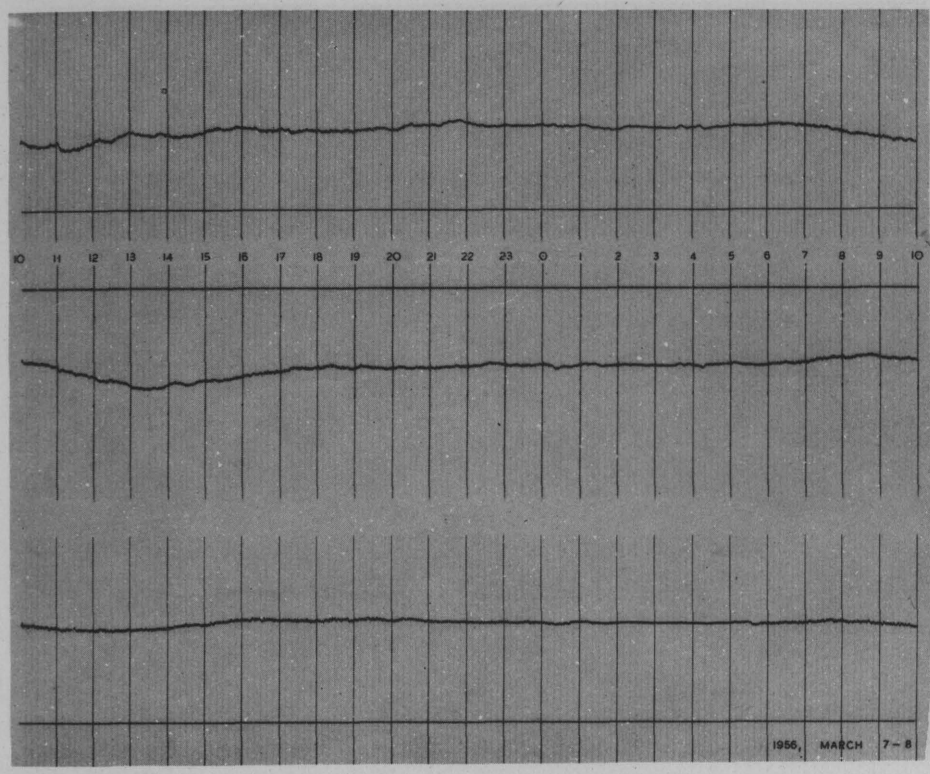
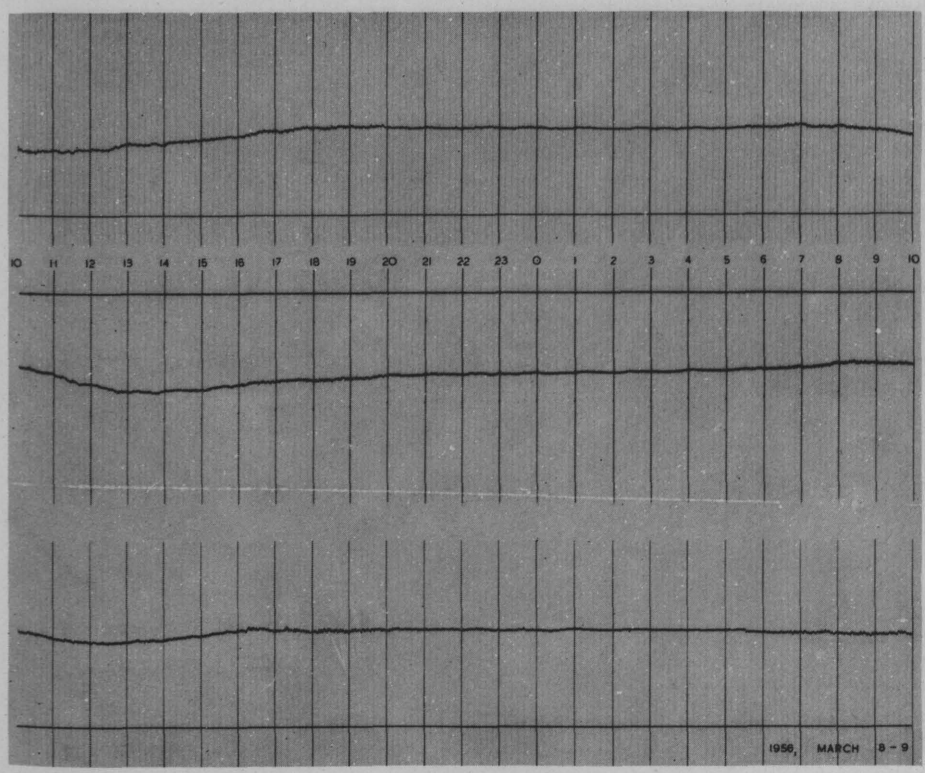
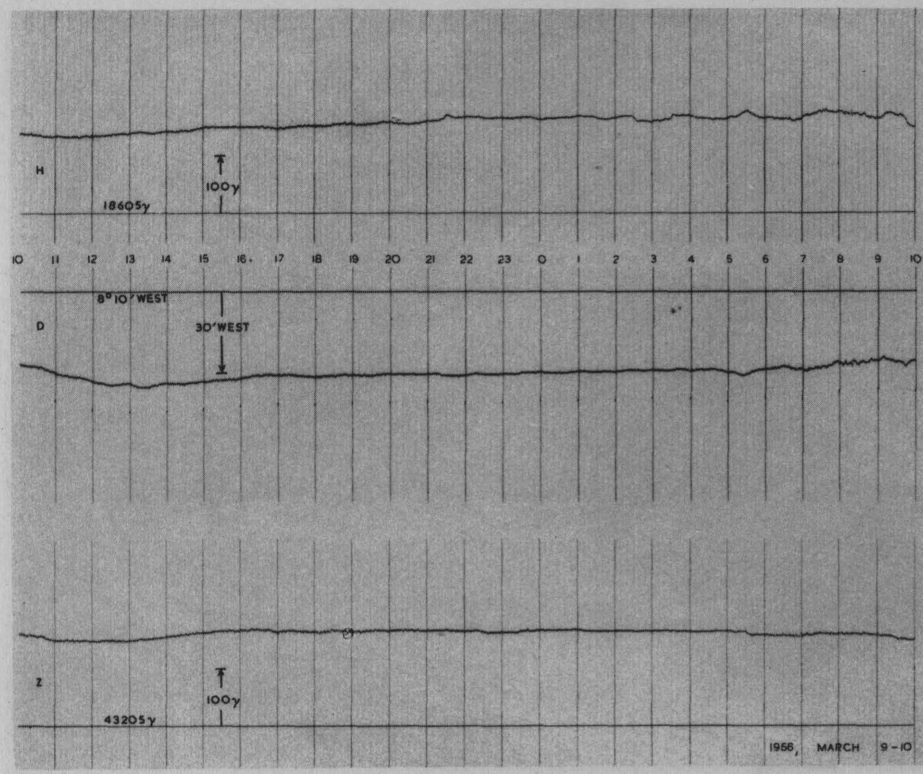



MARCH 7–8

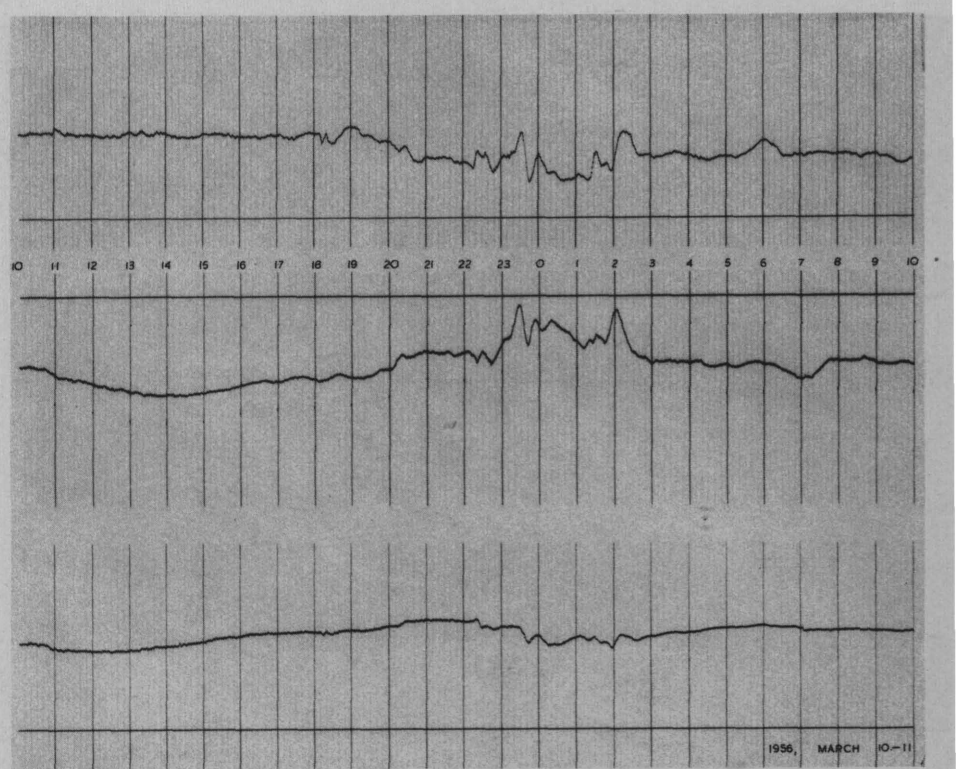



MARCH 8–9

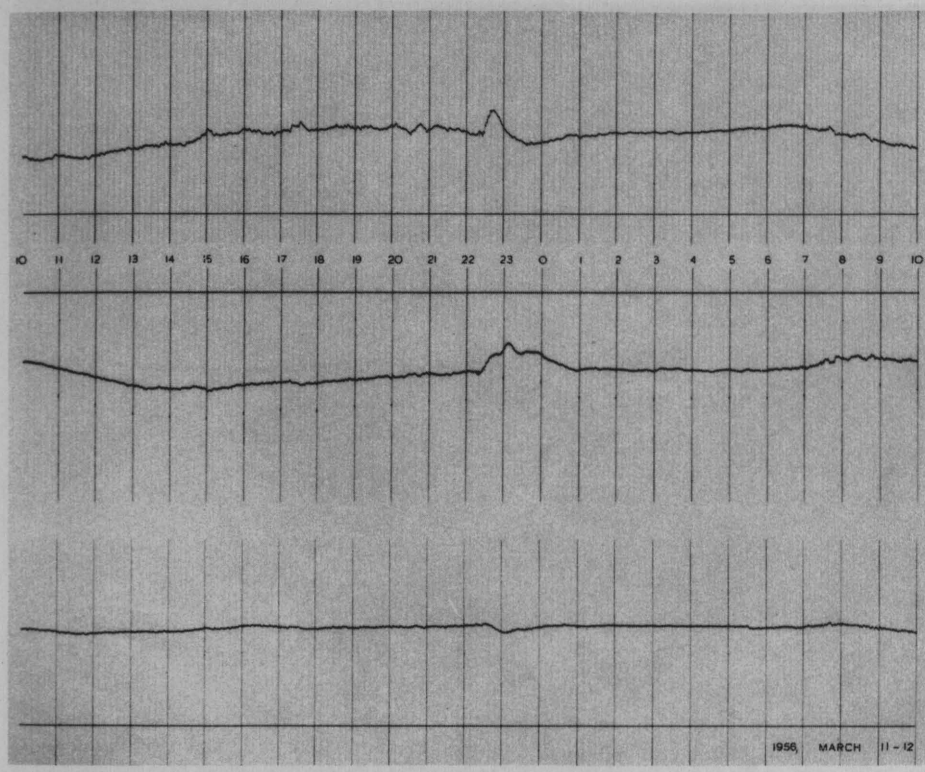
1956




MARCH 9–10




MARCH 10–11

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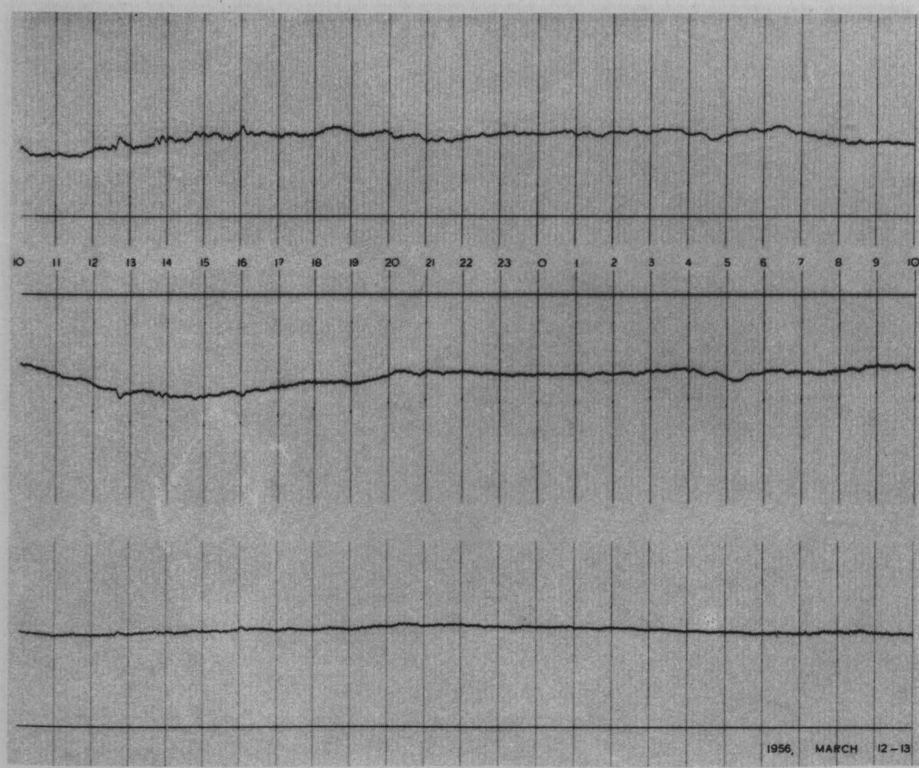
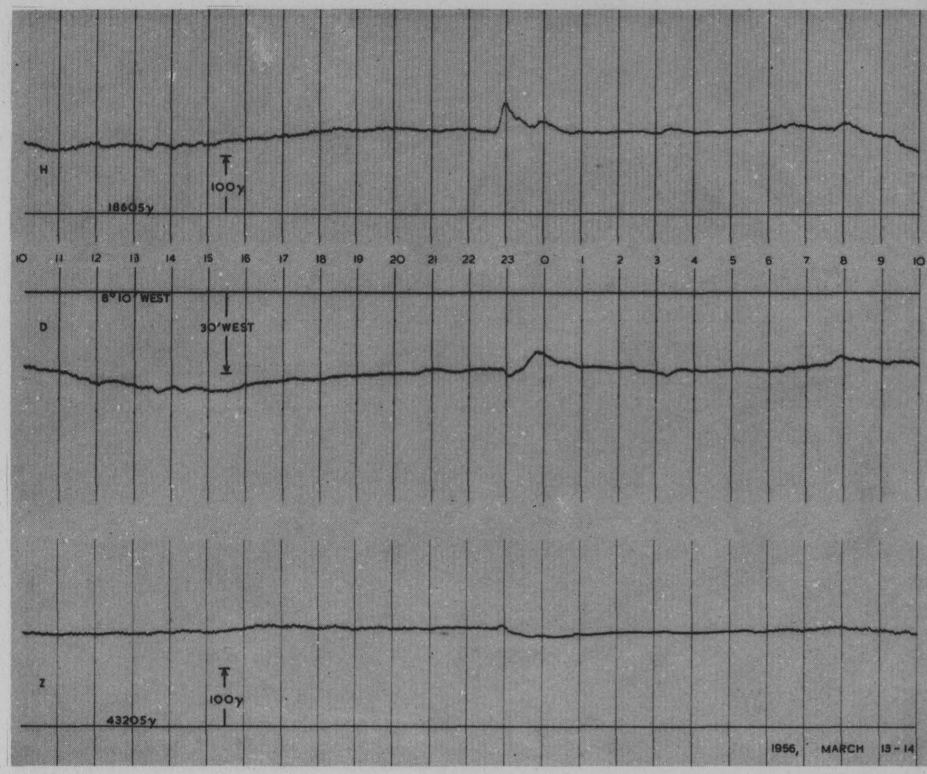
MARCH 11–12

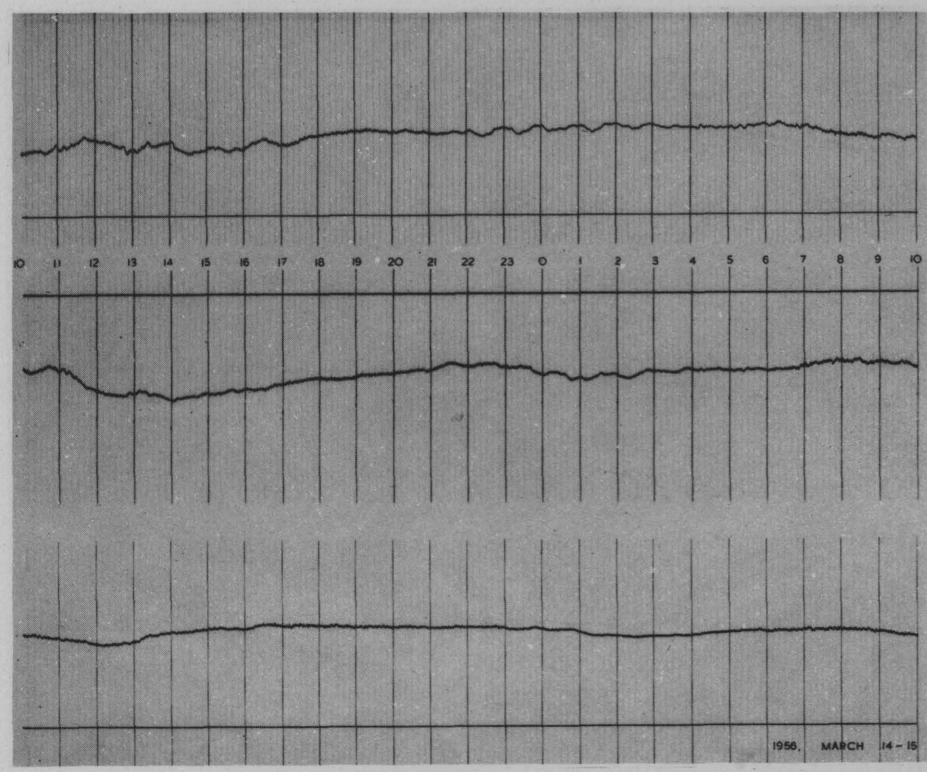



MARCH 12–13

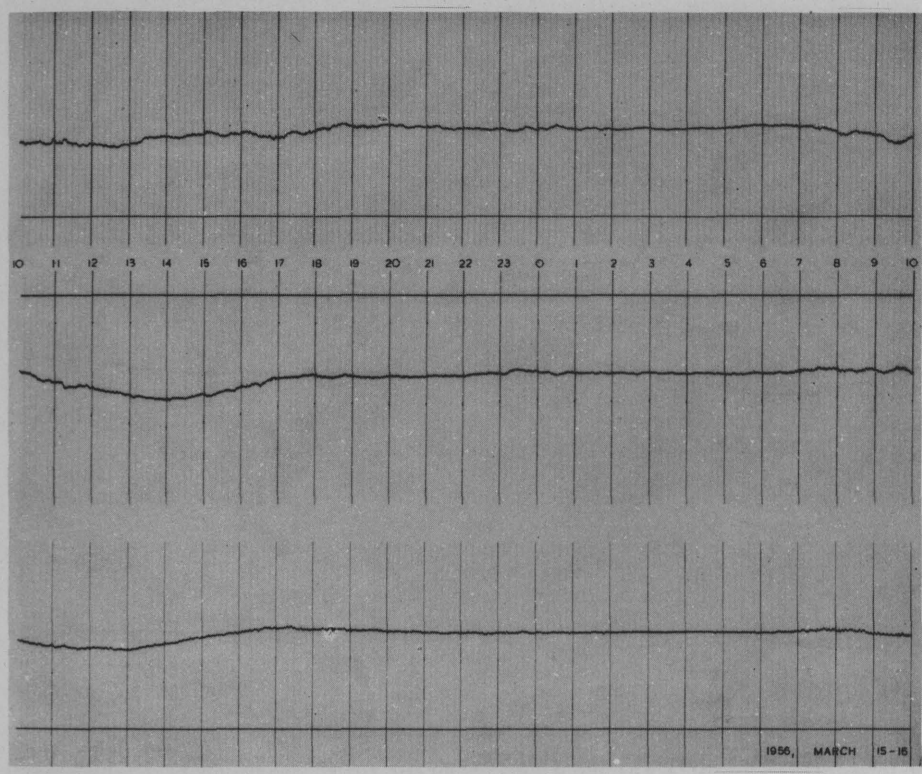
1956




MARCH 13–14




MARCH 14–15

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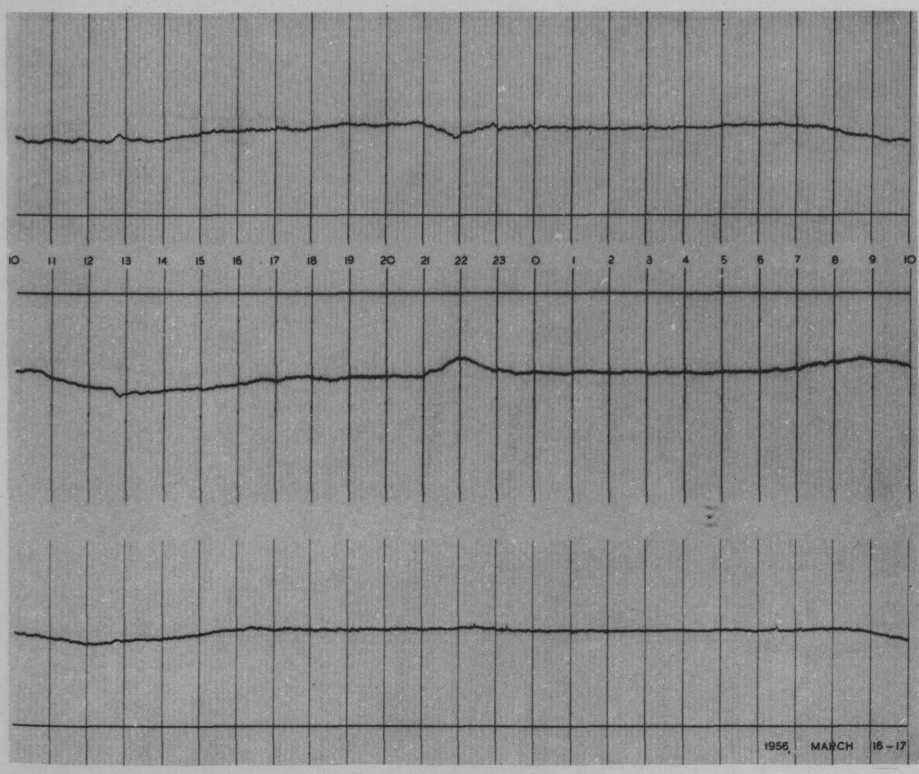
MARCH 15–16




MARCH 16–17

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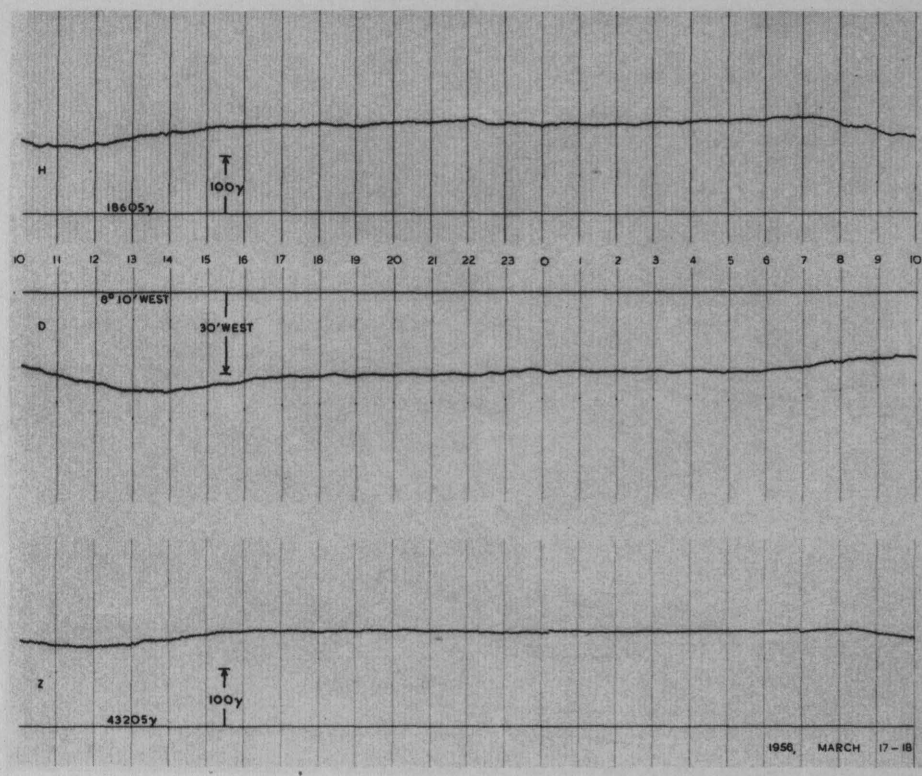
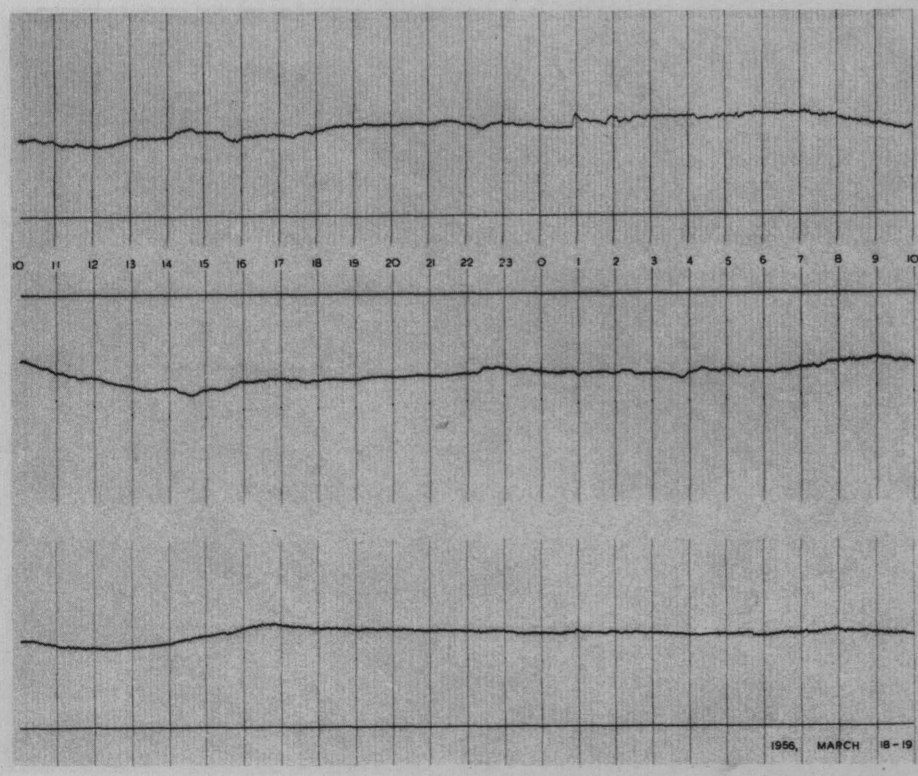
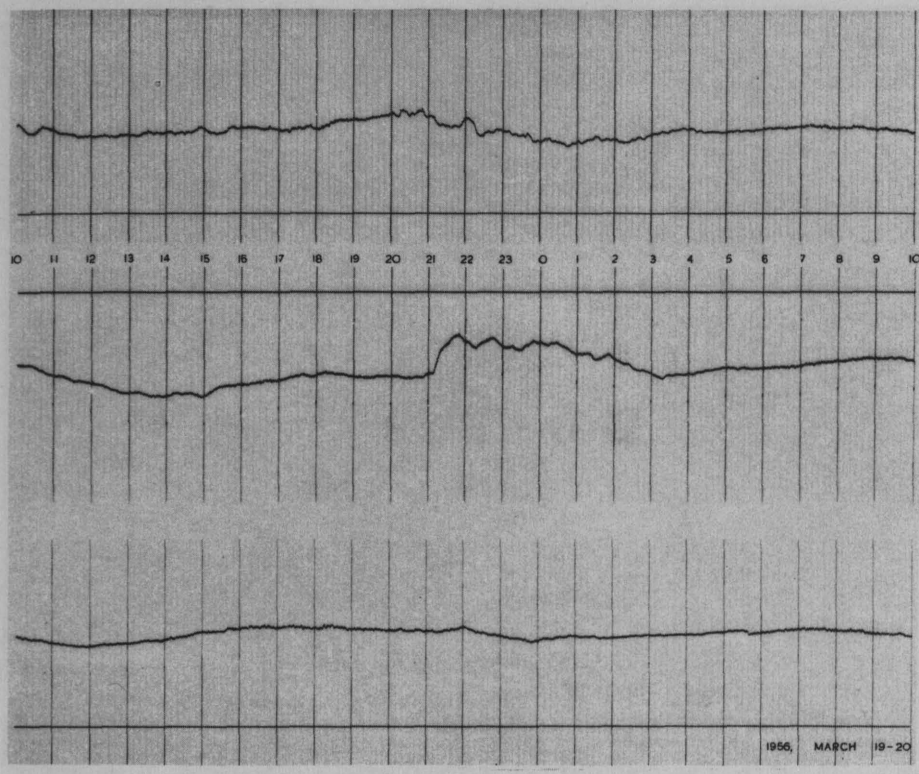



MARCH 17–18




MARCH 18–19

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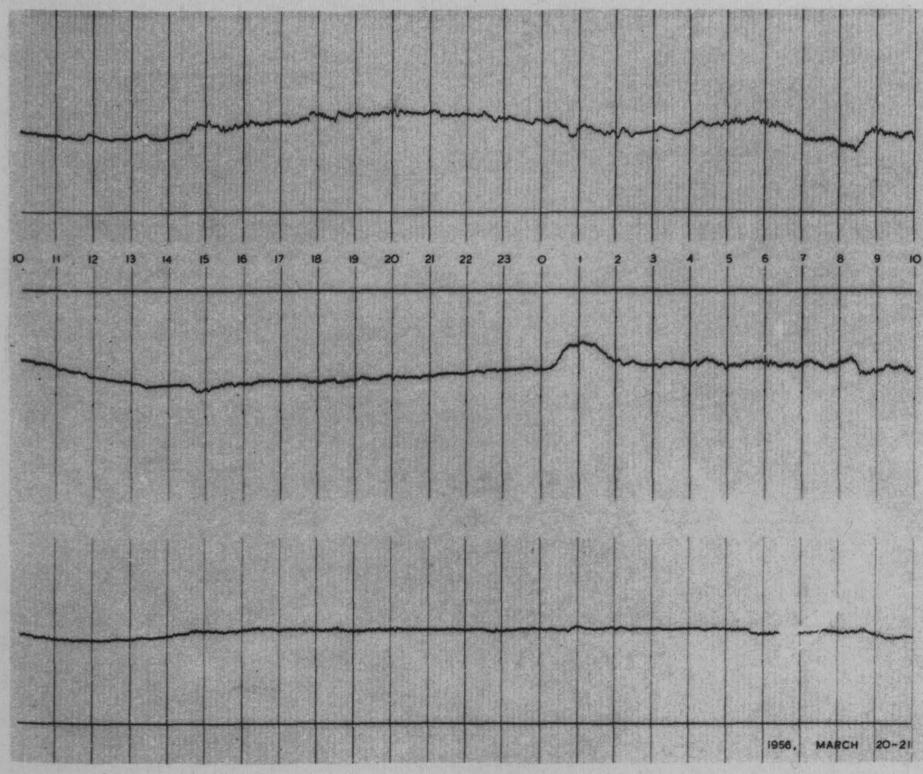
MARCH 19–20




MARCH 20–21

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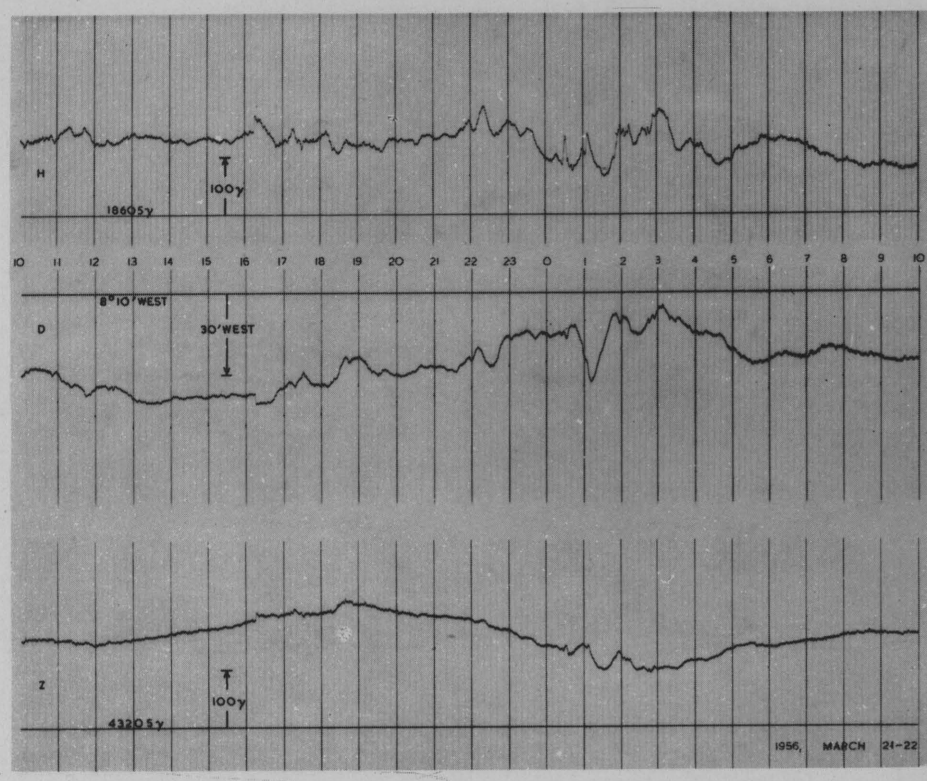
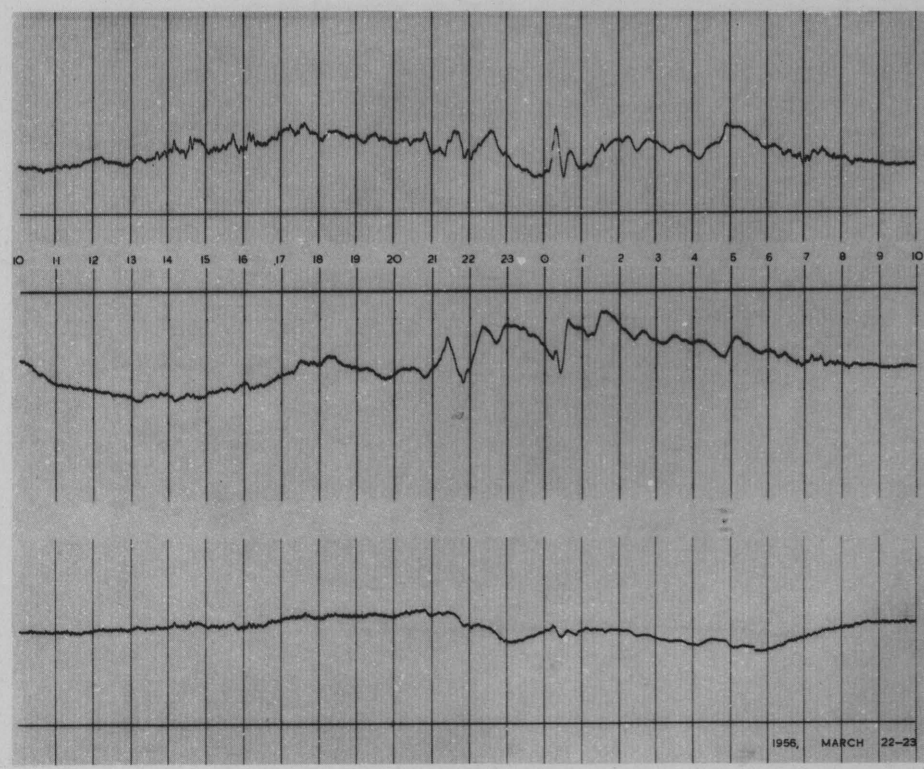
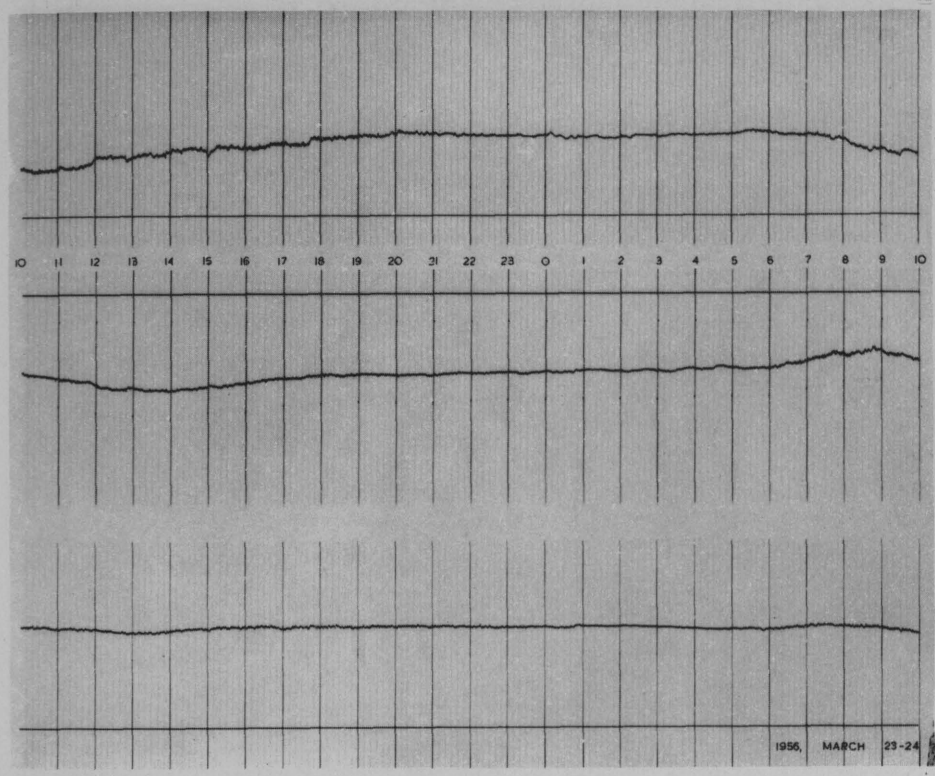



MARCH 21–22




MARCH 22–23

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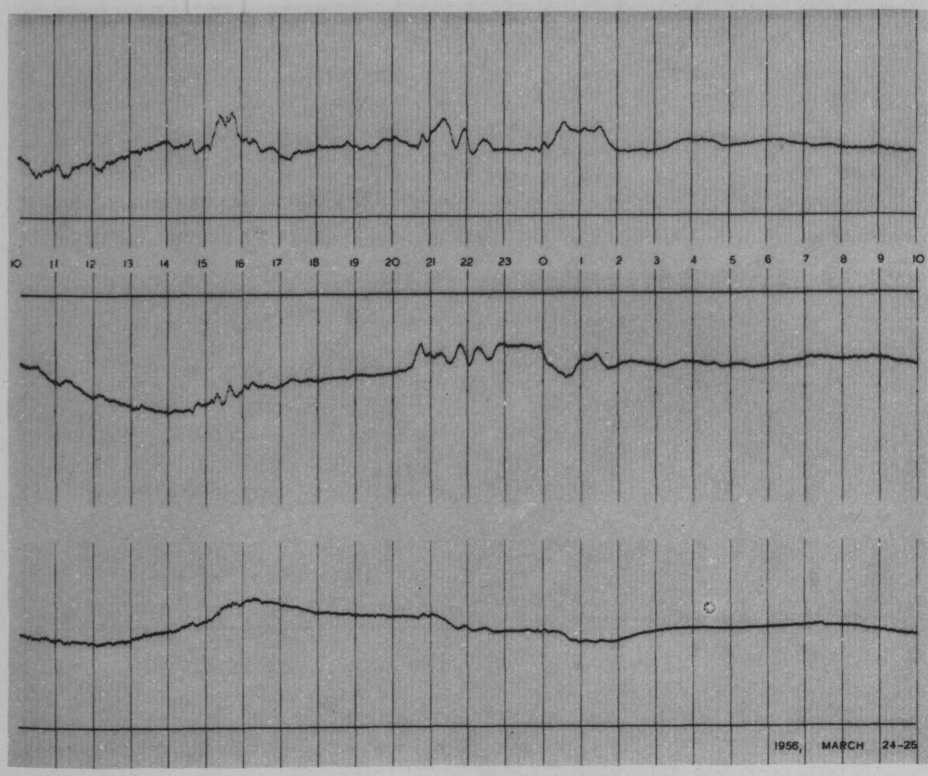
MARCH 23–24




MARCH 24–25

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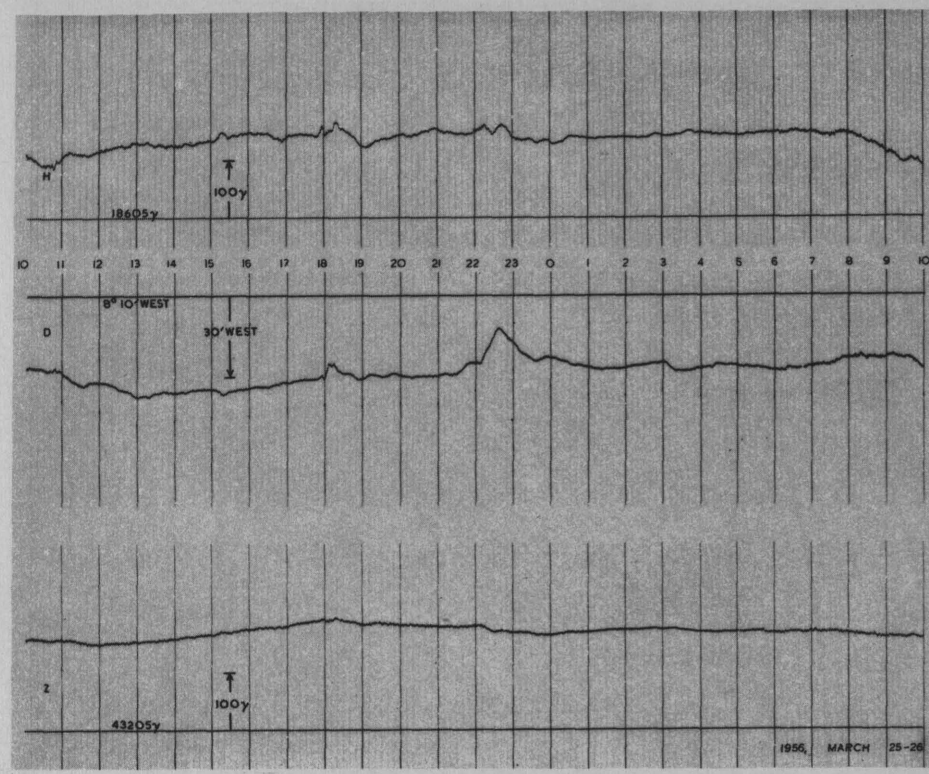
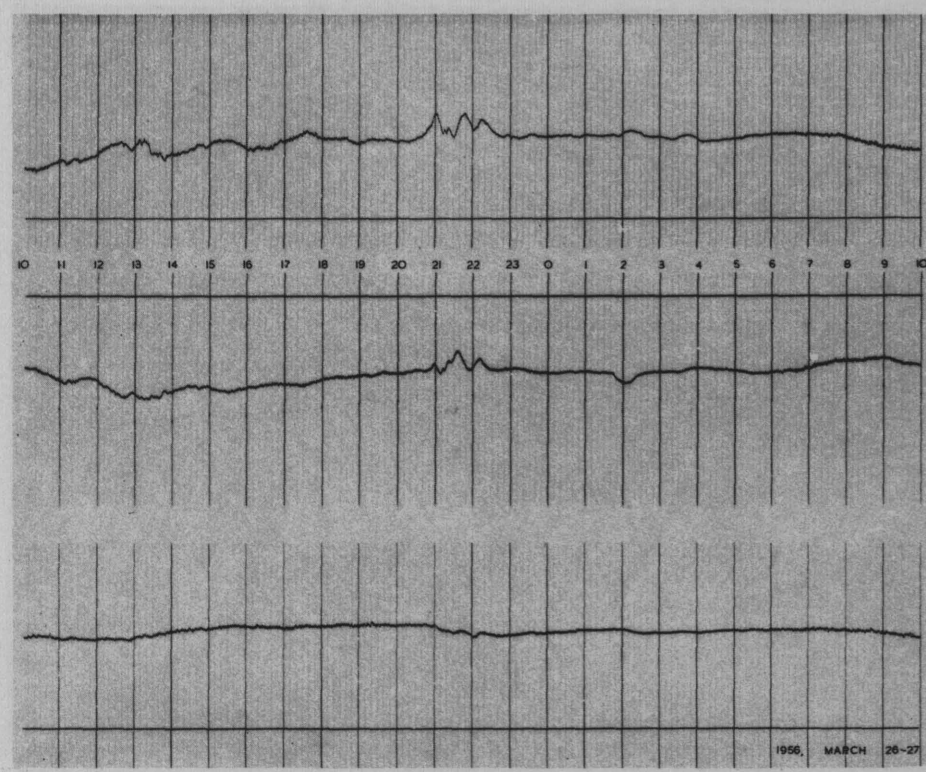
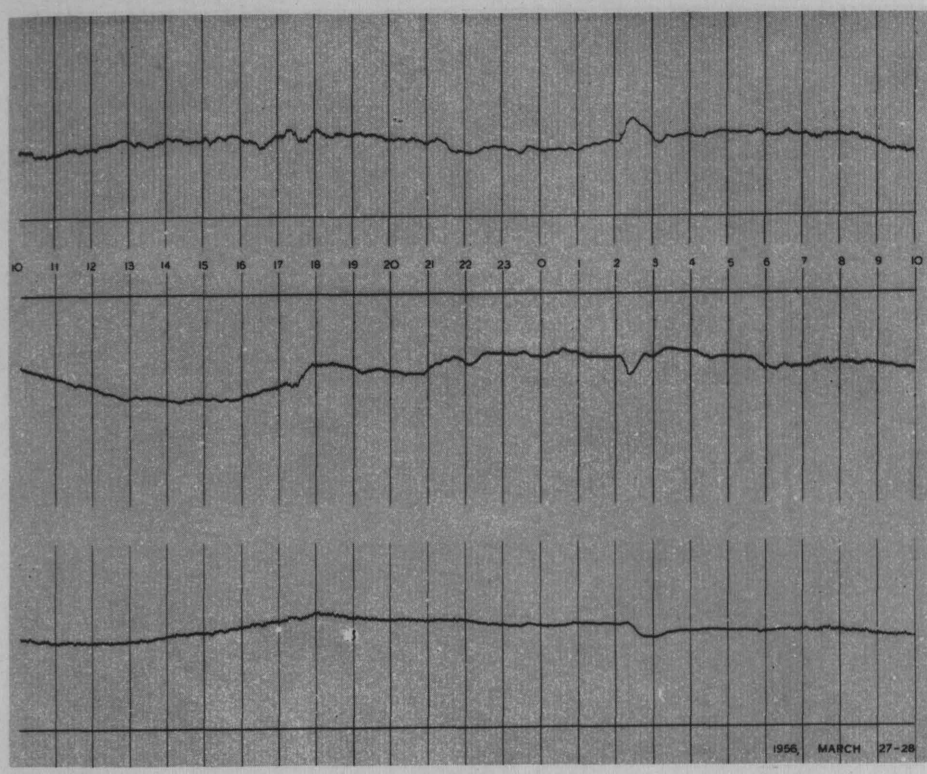



MARCH 25–26




MARCH 26–27

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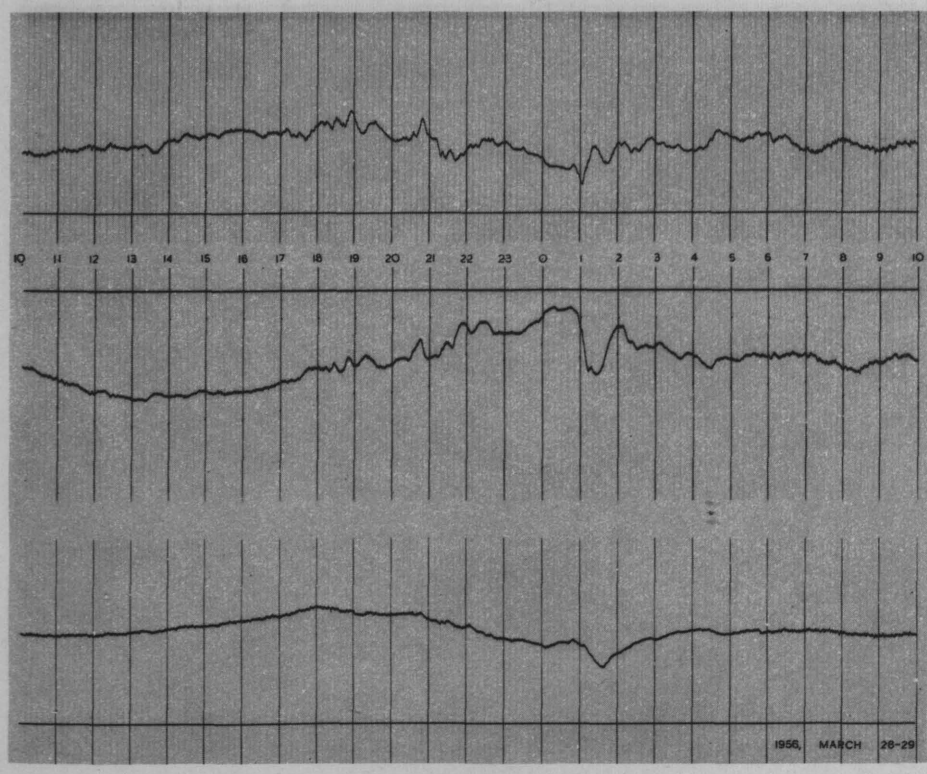
MARCH 27–28




MARCH 28–29

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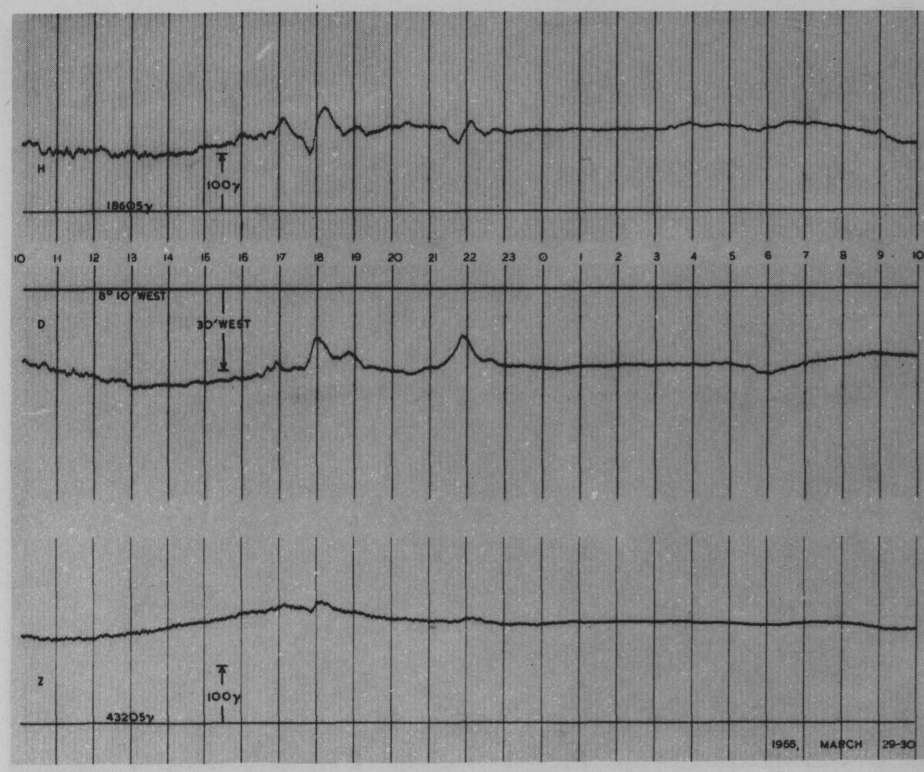
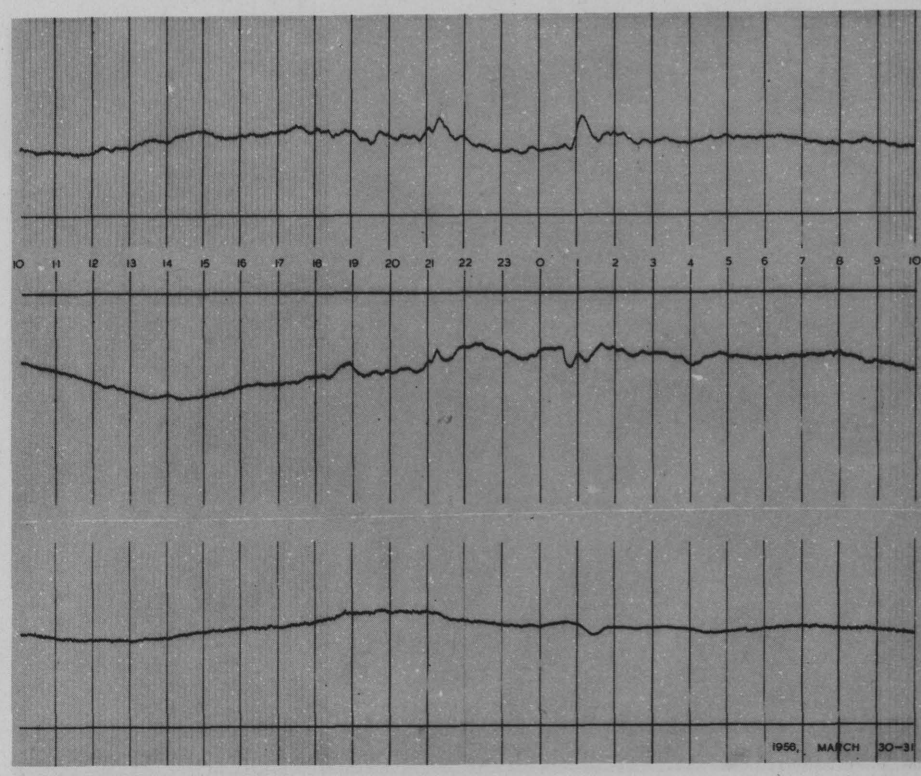
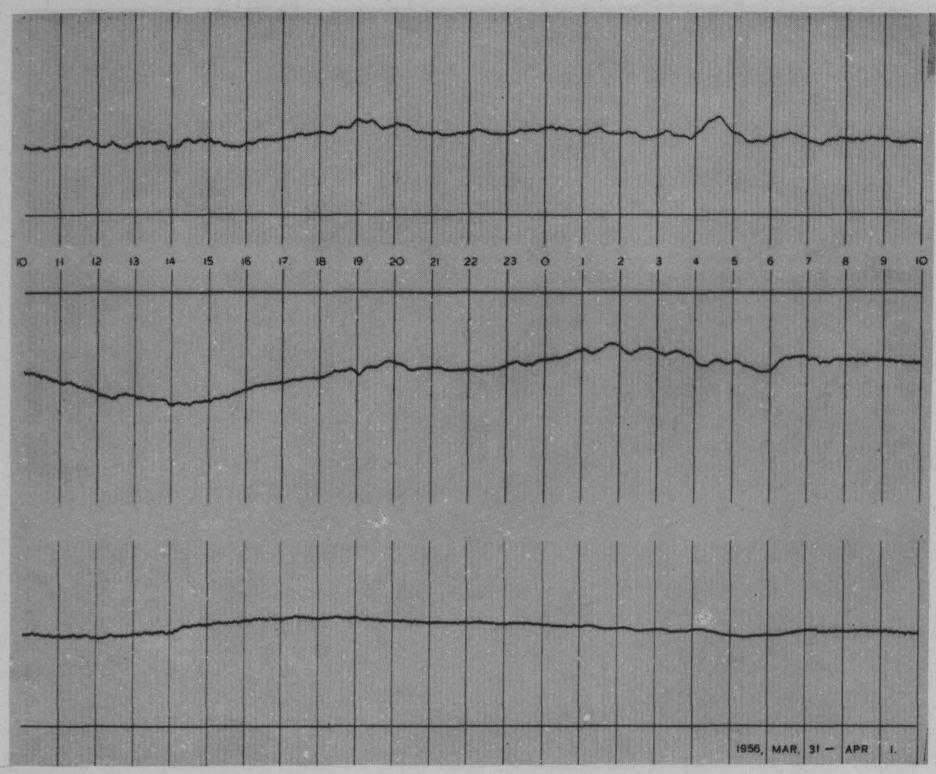



MARCH 29–30

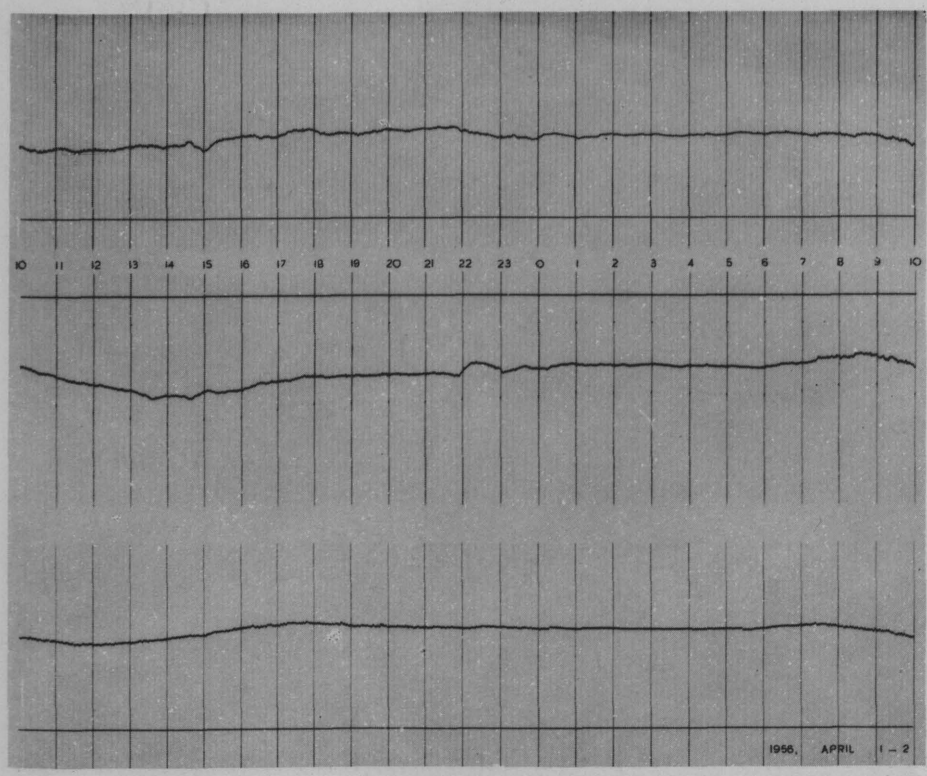



MARCH 30–31

1956

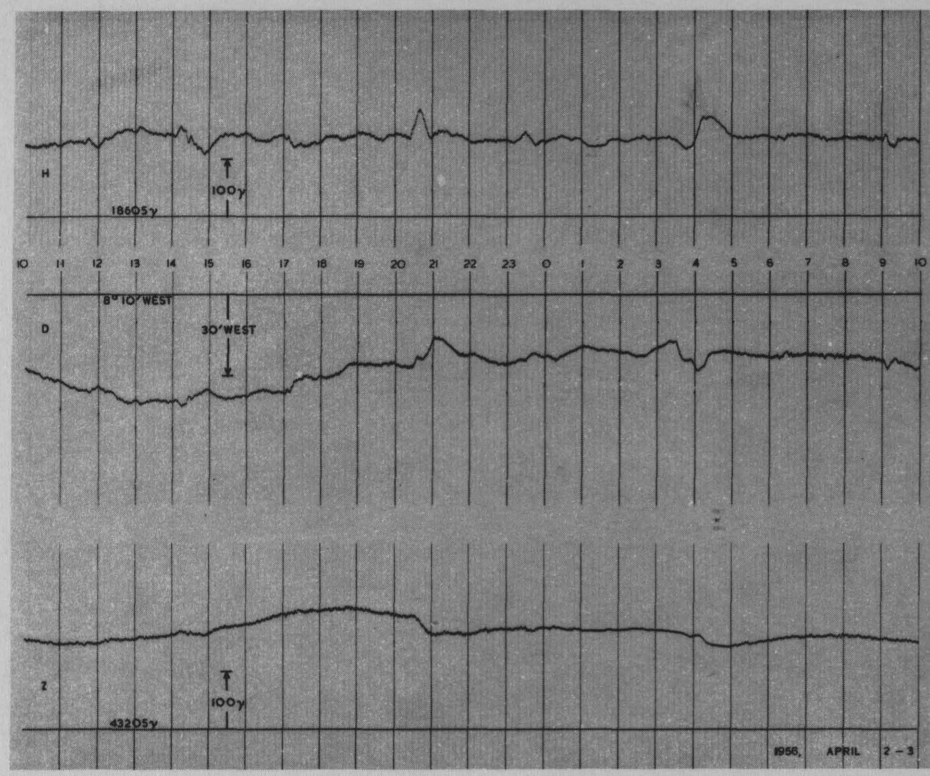



MAR. 31–APR. 1

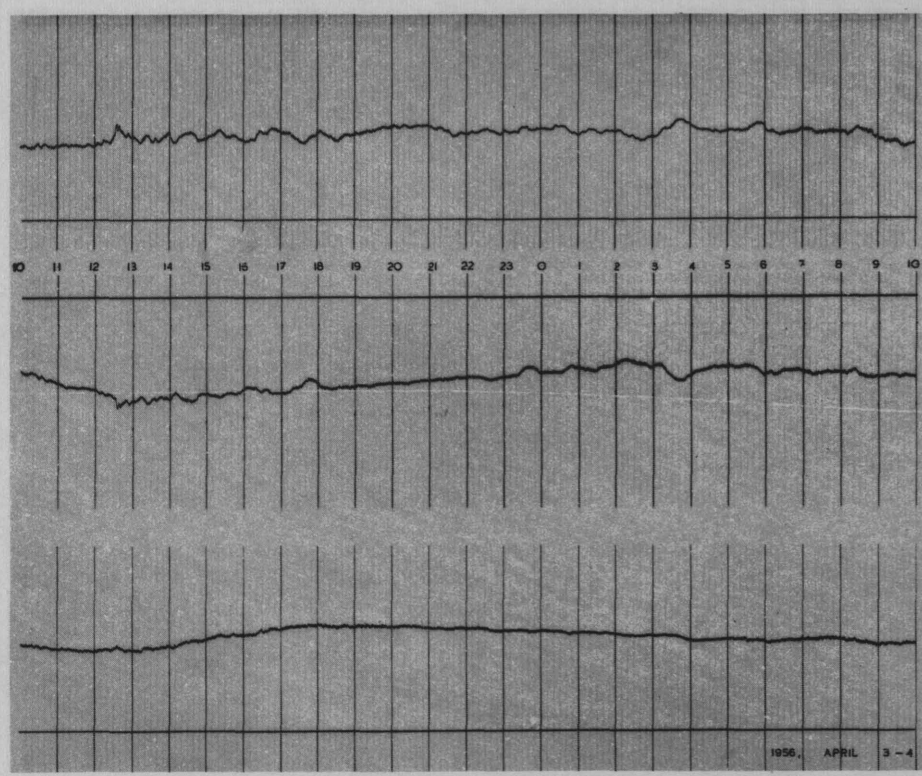



APRIL 1–2

1956

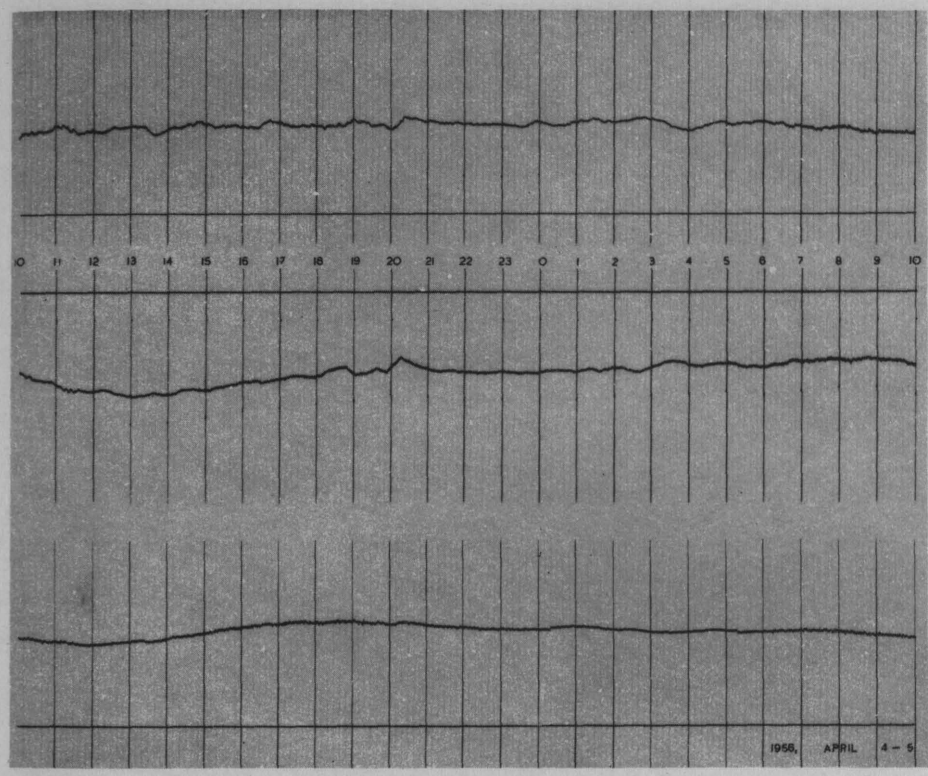



APRIL 2–3

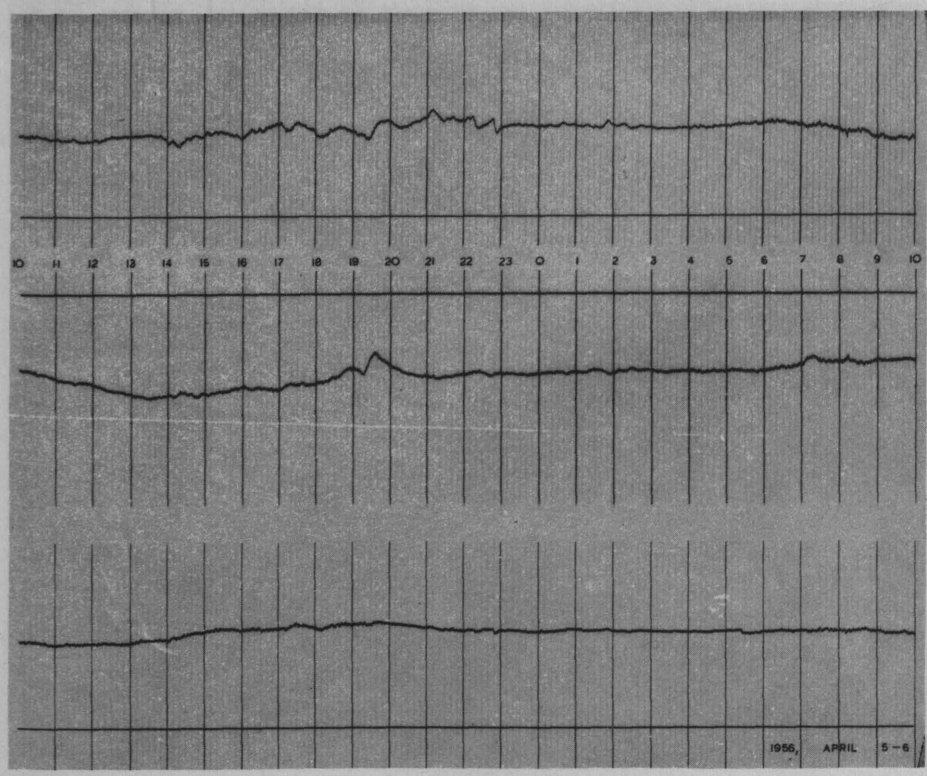



APRIL 3–4

1956

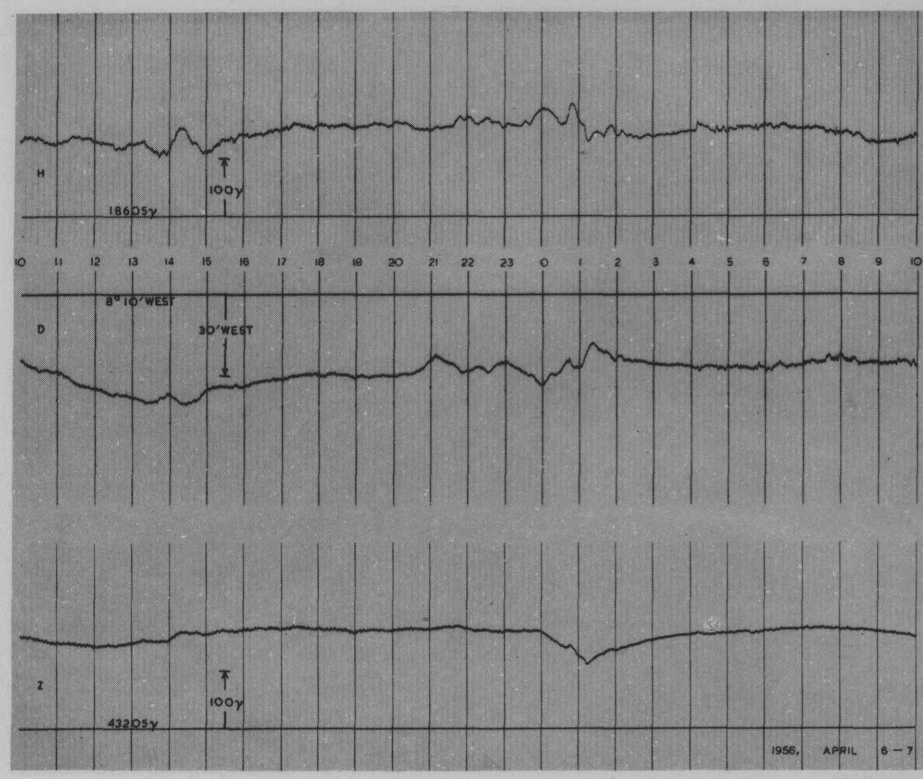



APRIL 4–5

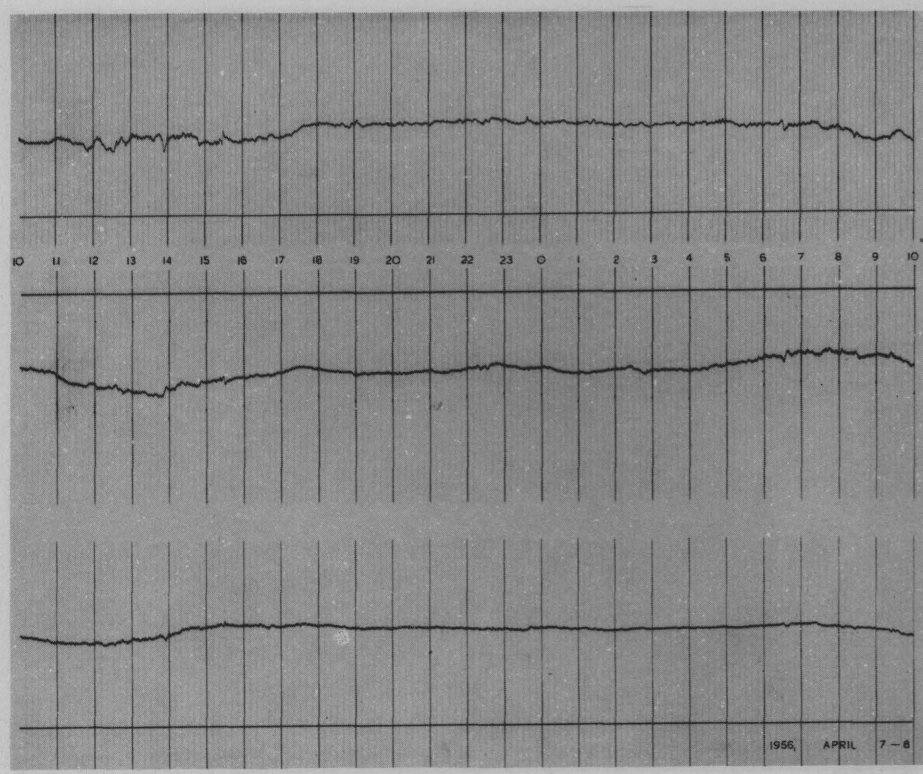



APRIL 5–6

1956



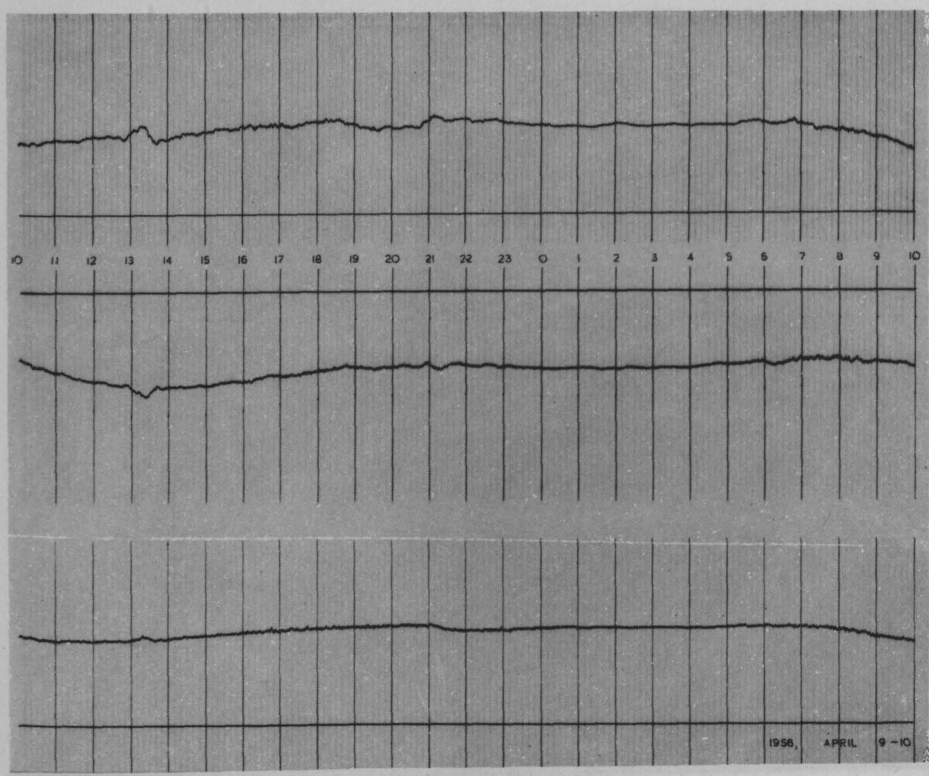

APRIL 6–7




APRIL 7–8

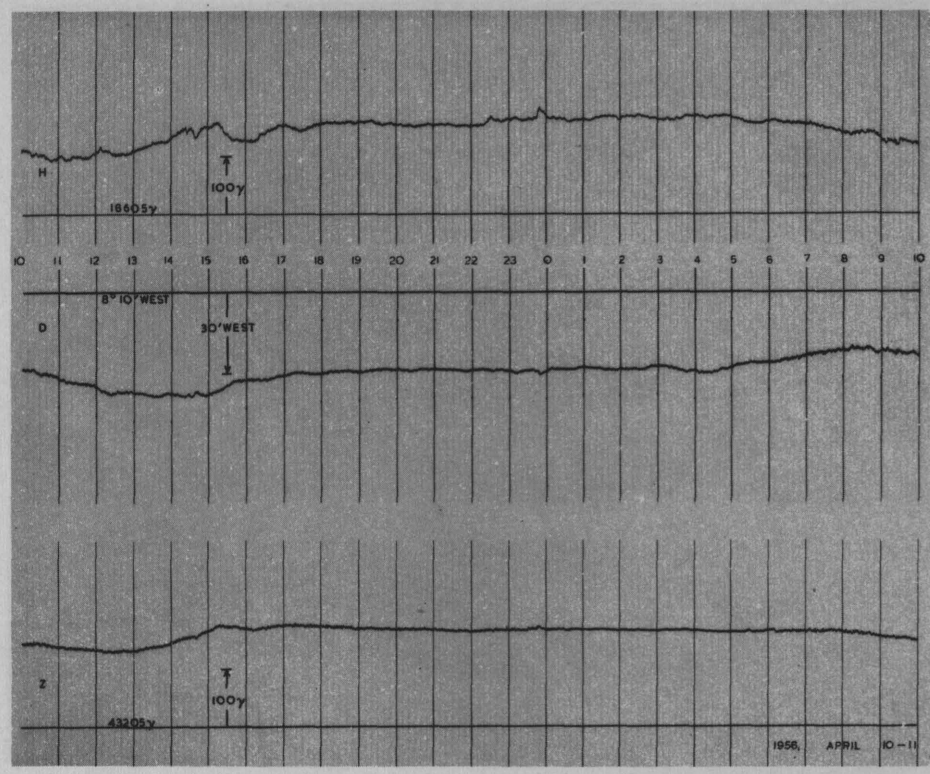
1956


APRIL 8–9

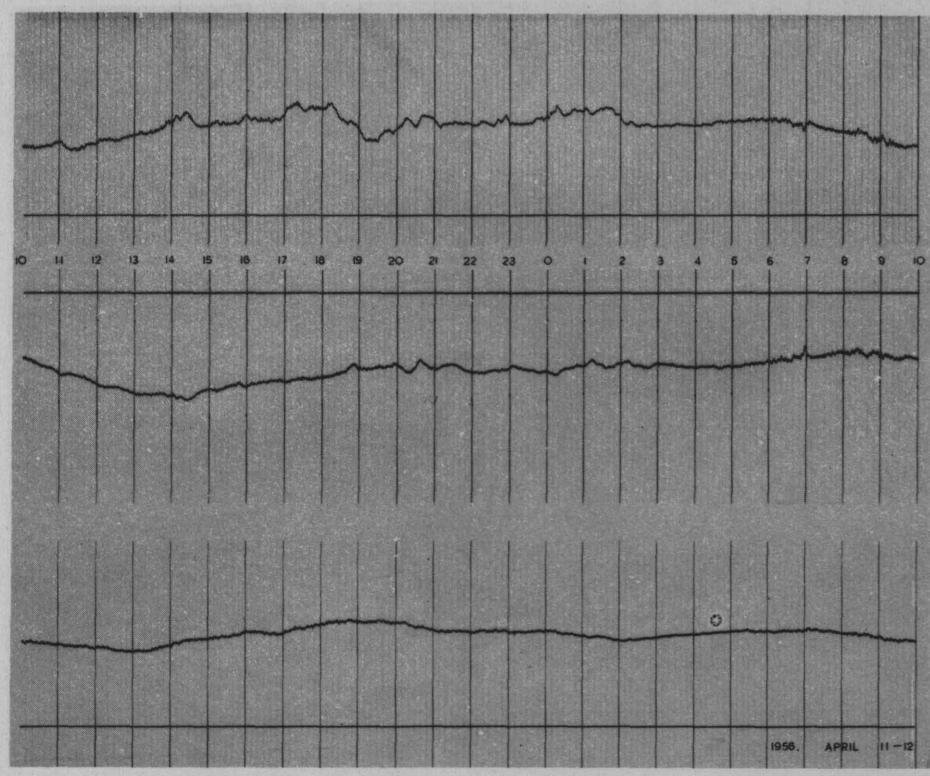



APRIL 9–10

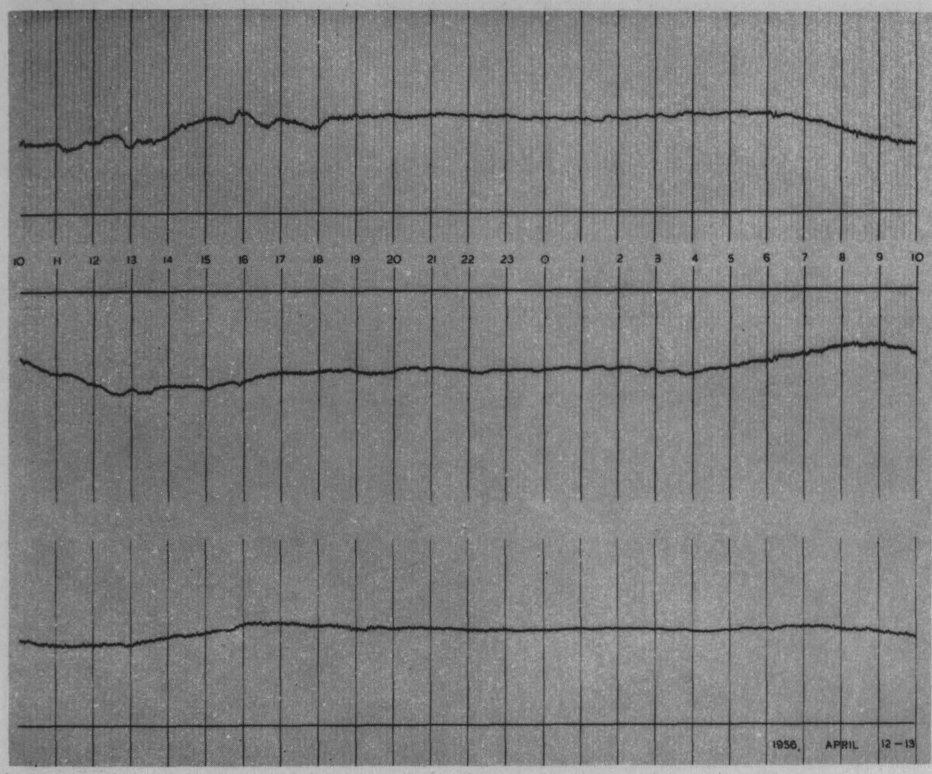
1956




APRIL 10–11




APRIL 11–12

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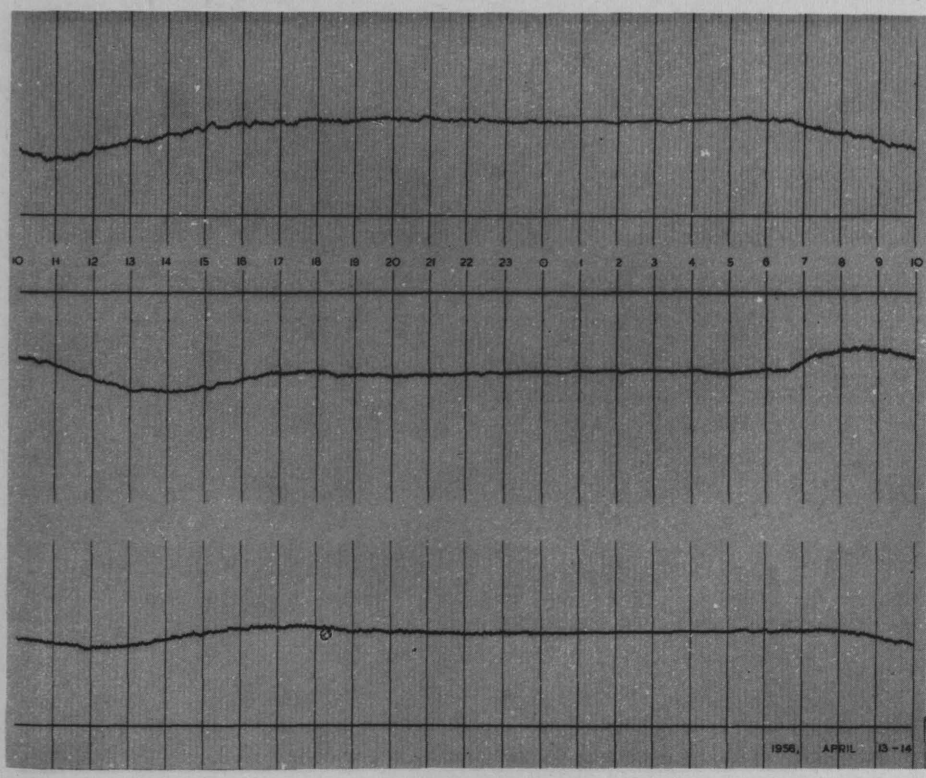
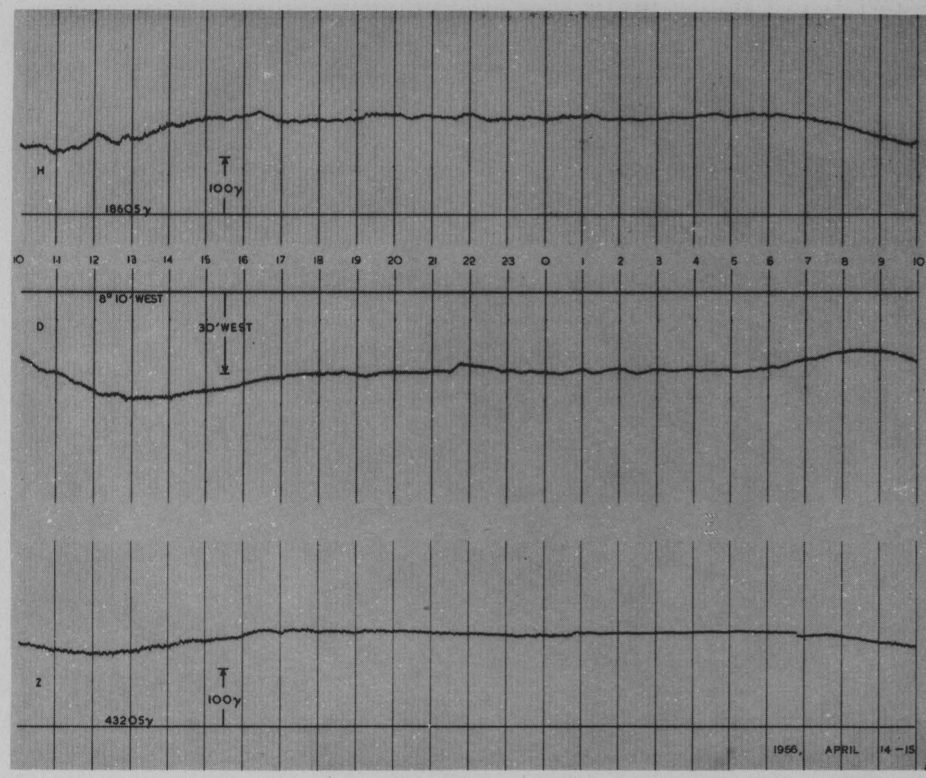
APRIL 12–13

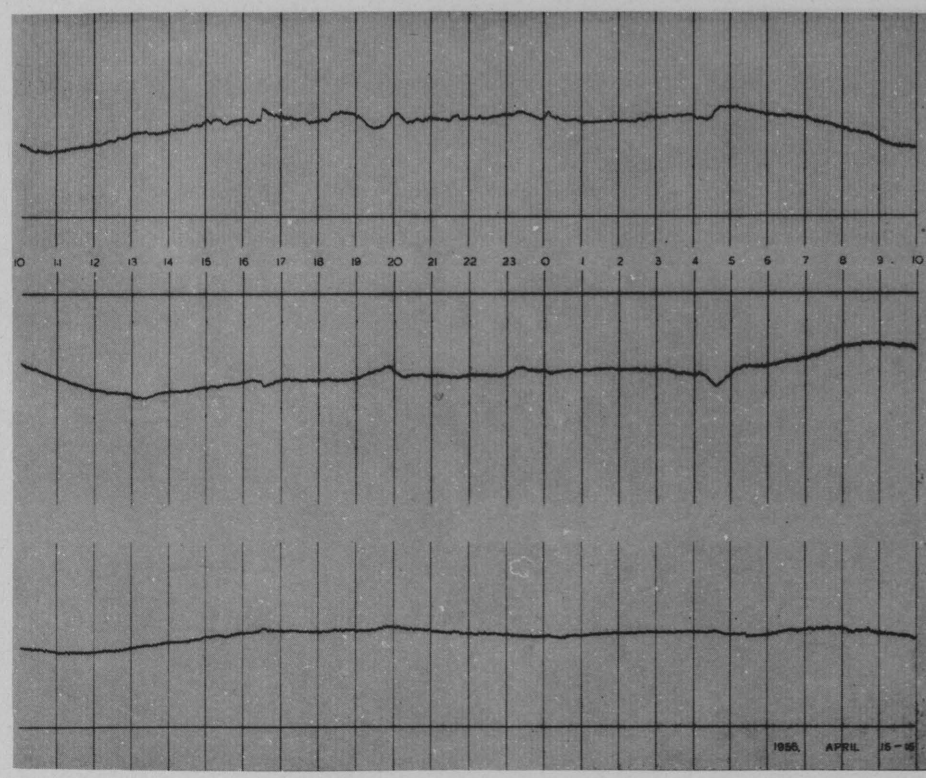



APRIL 13–14

1956

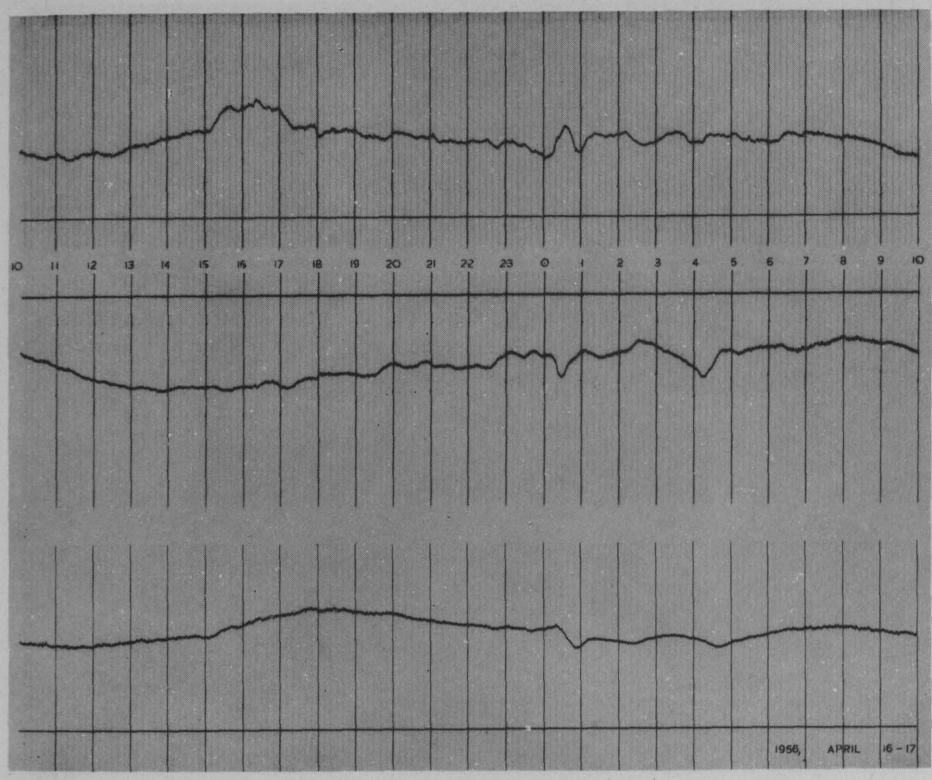



APRIL 14–15




APRIL 15–16

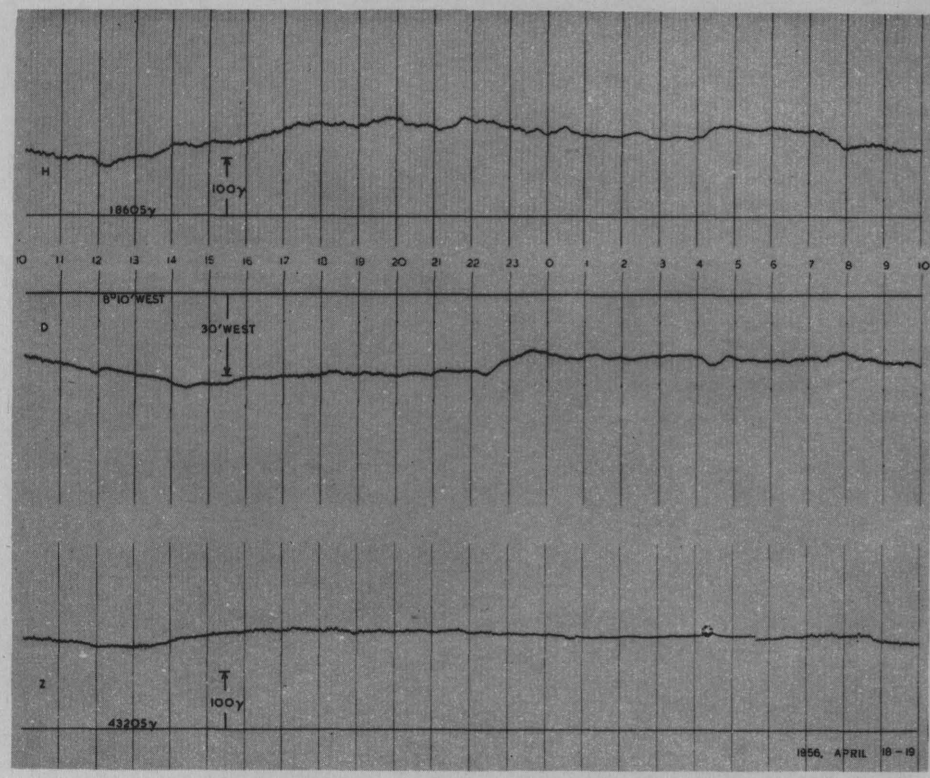
1956



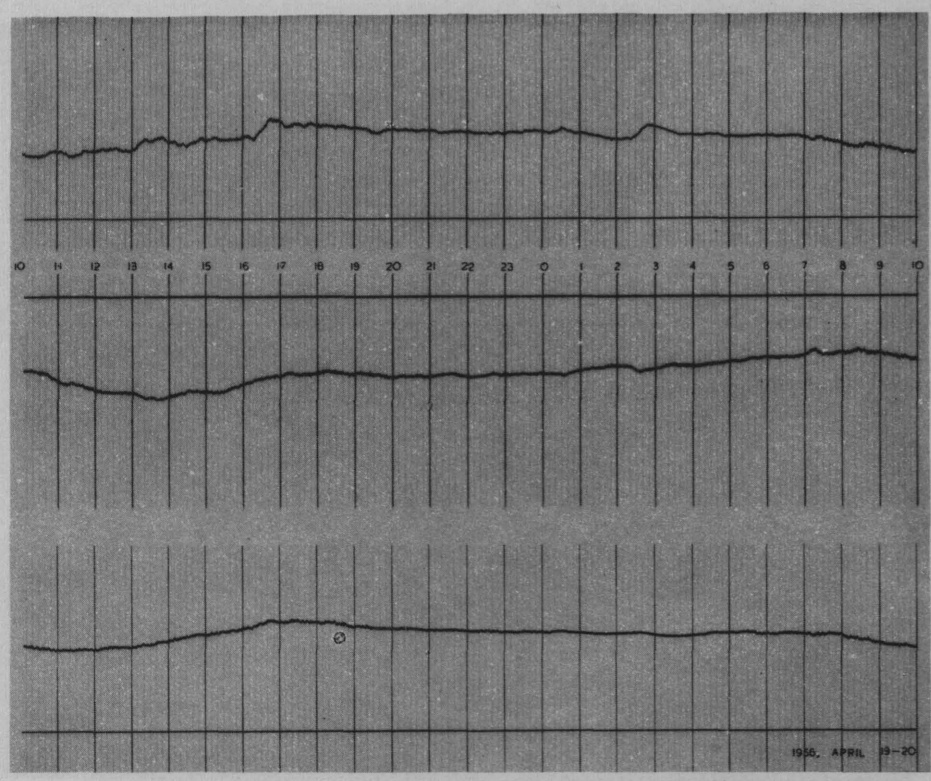

APRIL 16–17


APRIL 17–18

1956

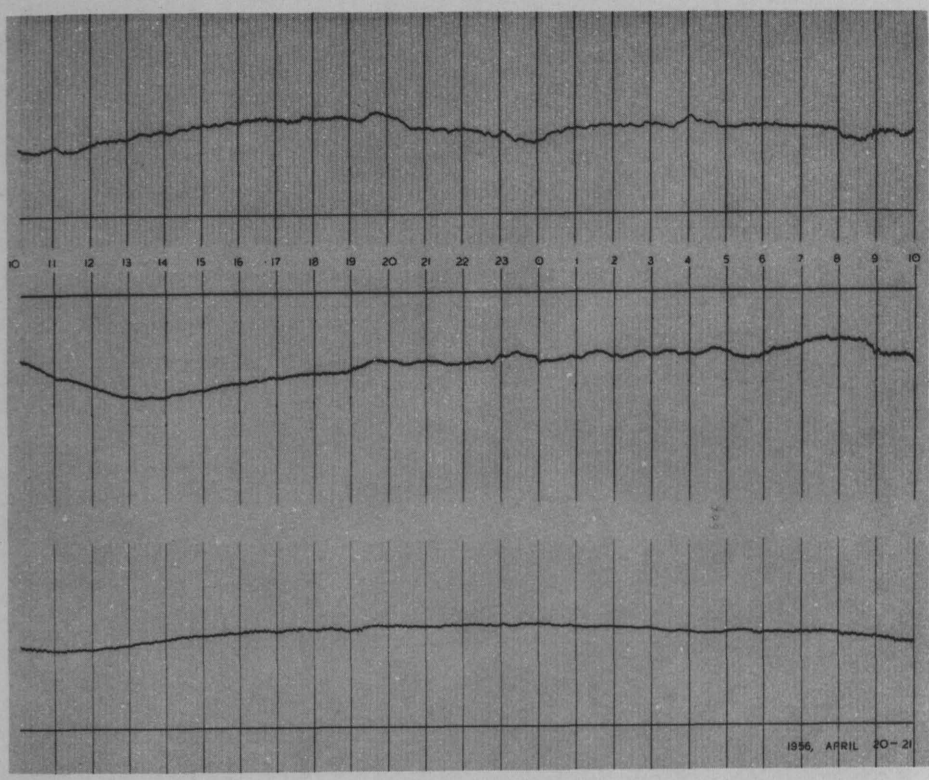



APRIL 18–19

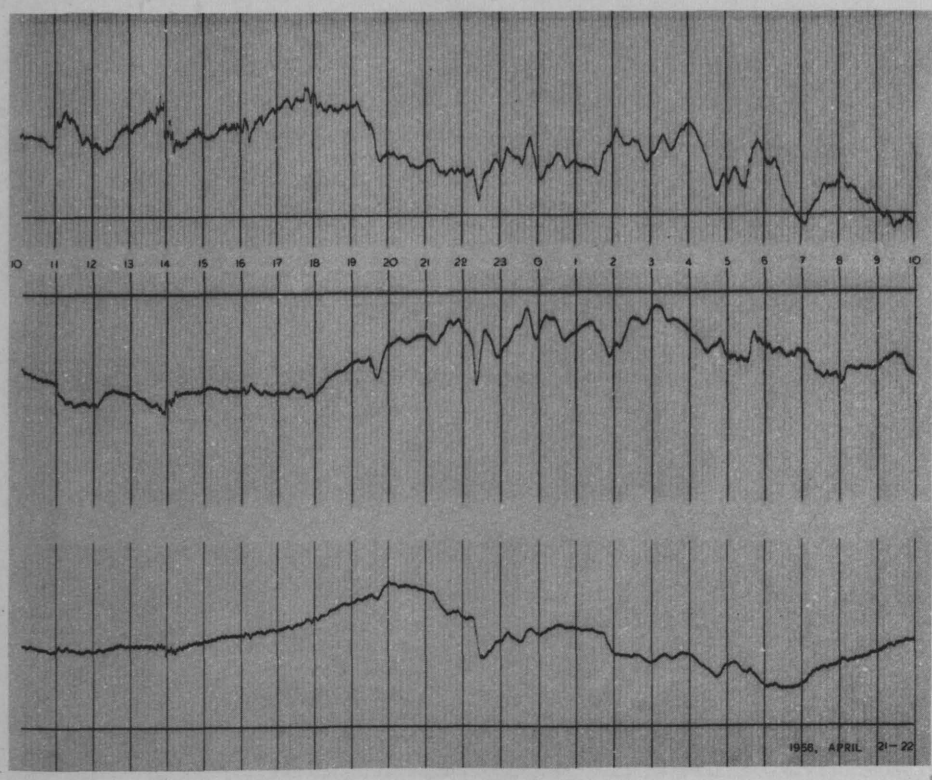



APRIL 19–20

1956

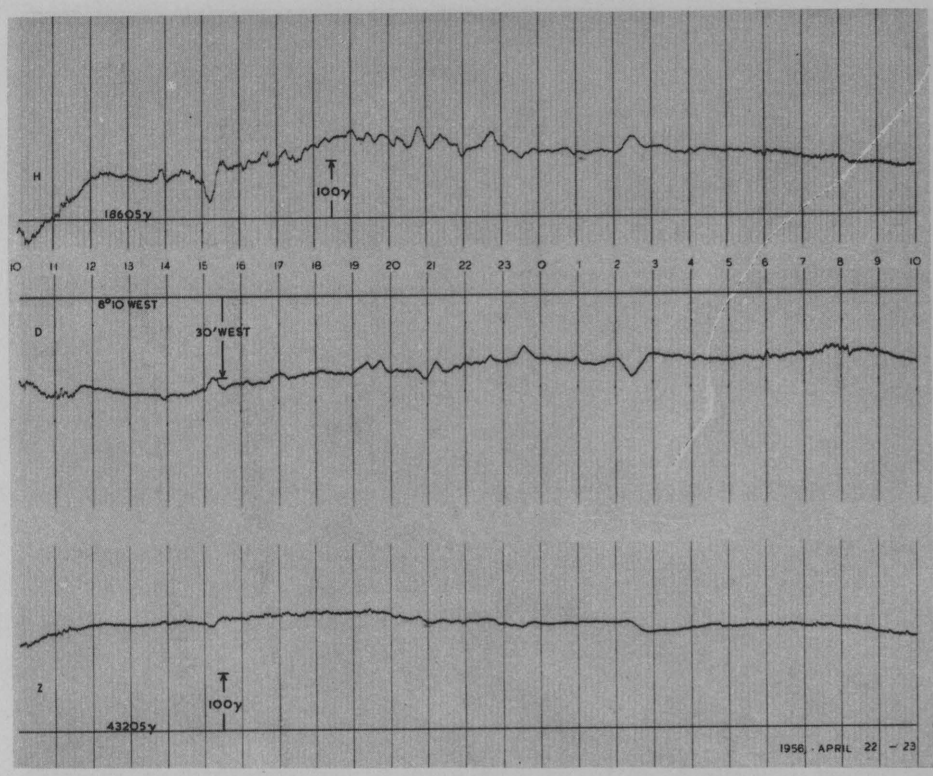



APRIL 20–21

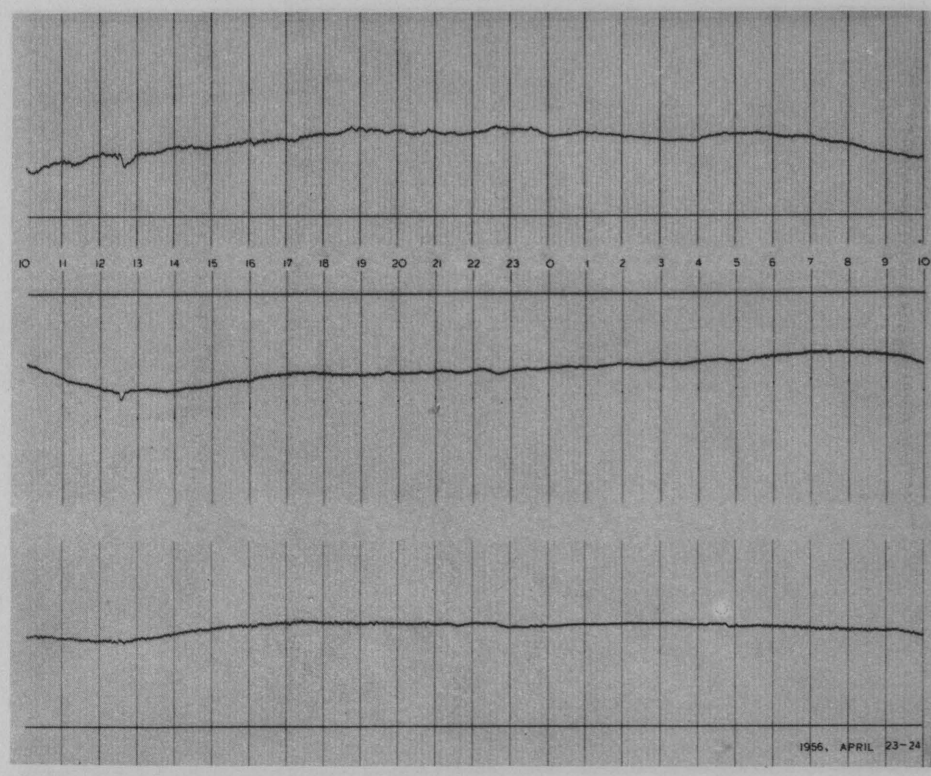



APRIL 21–22

1956

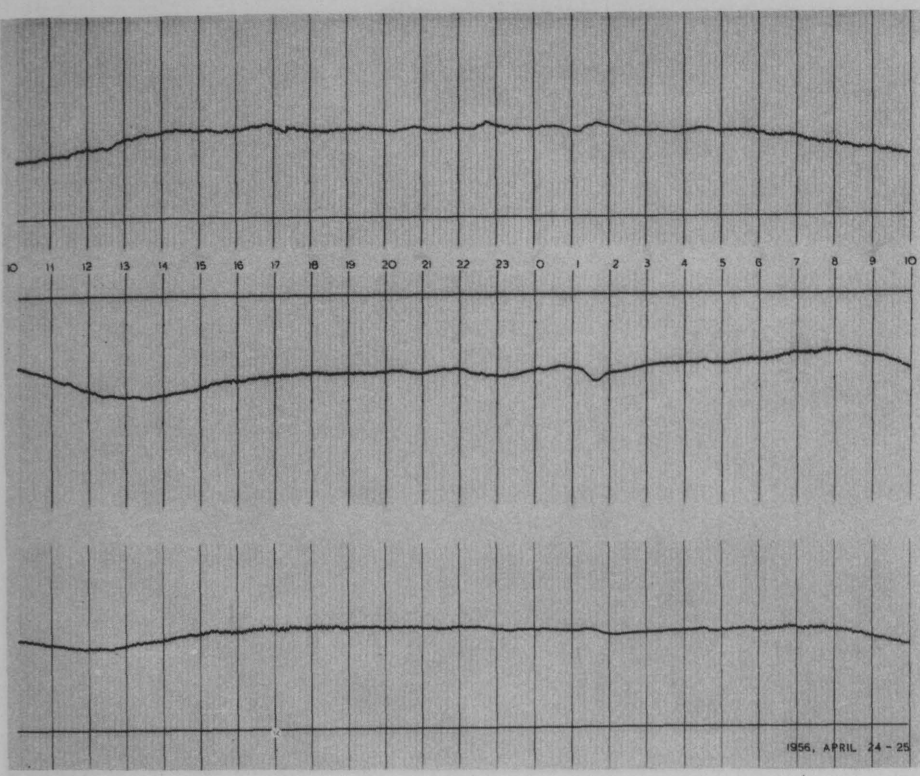



APRIL 22–23

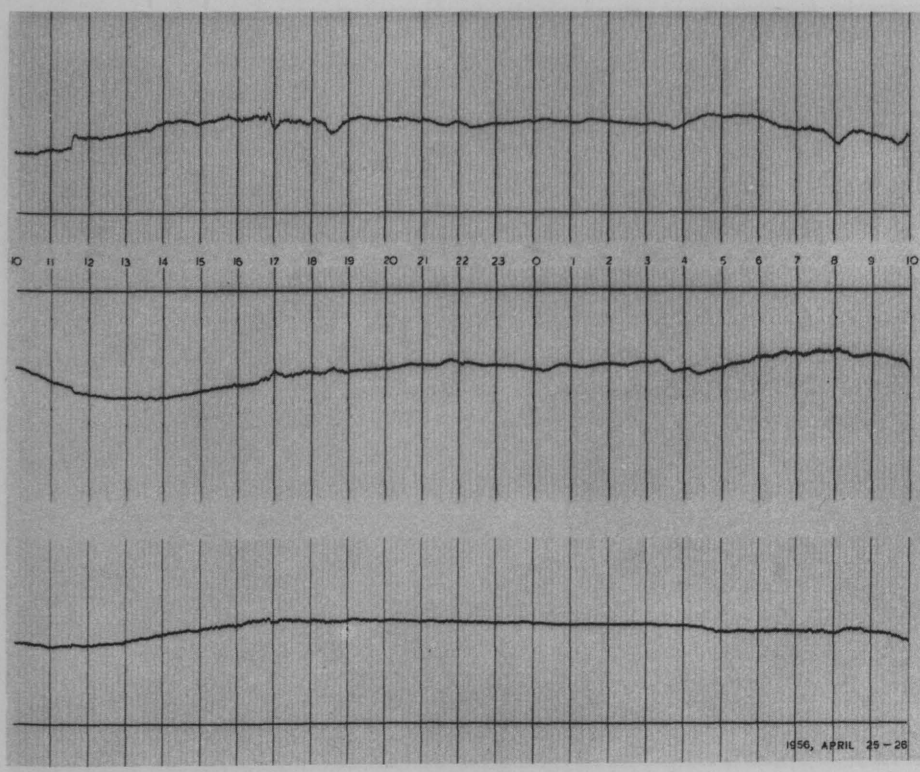



APRIL 23–24

1956

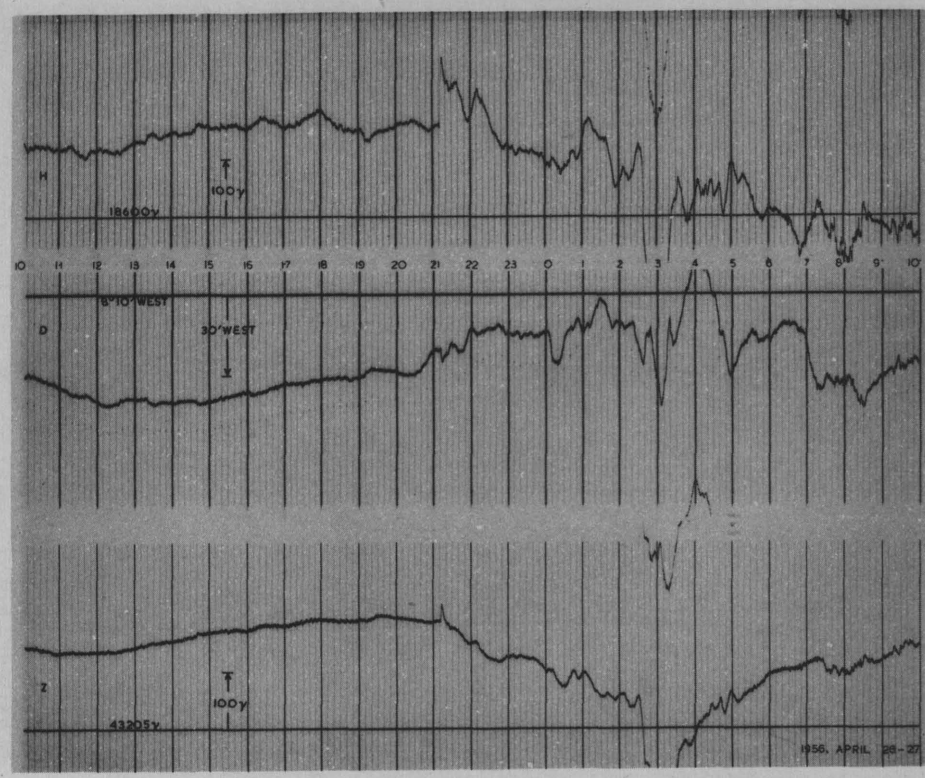



APRIL 24–25

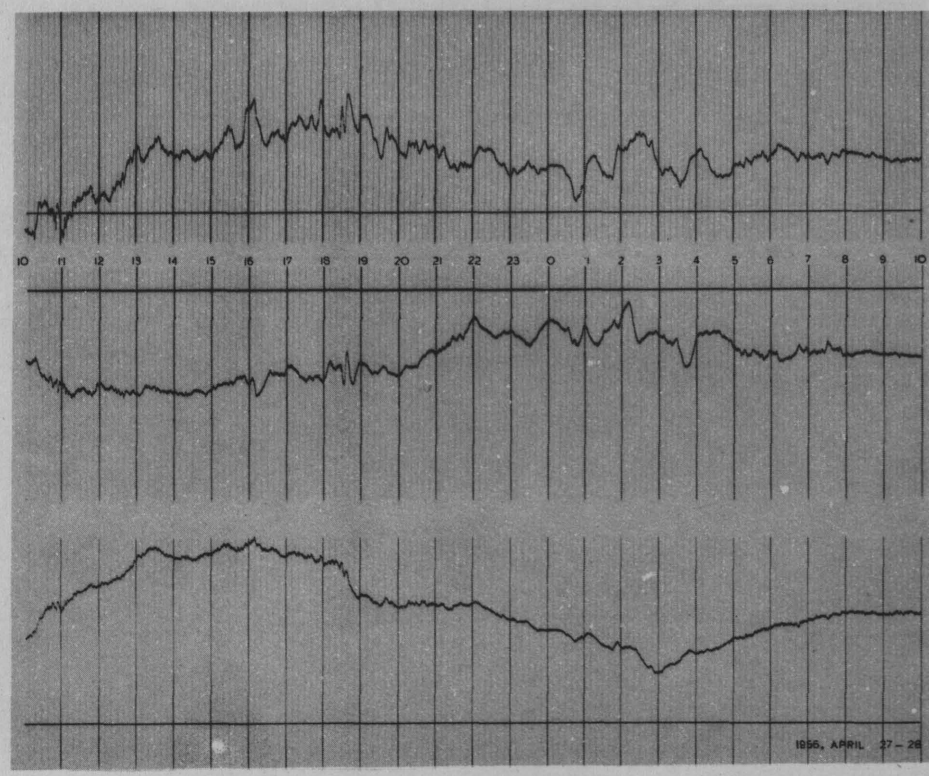



APRIL 25–26

1956

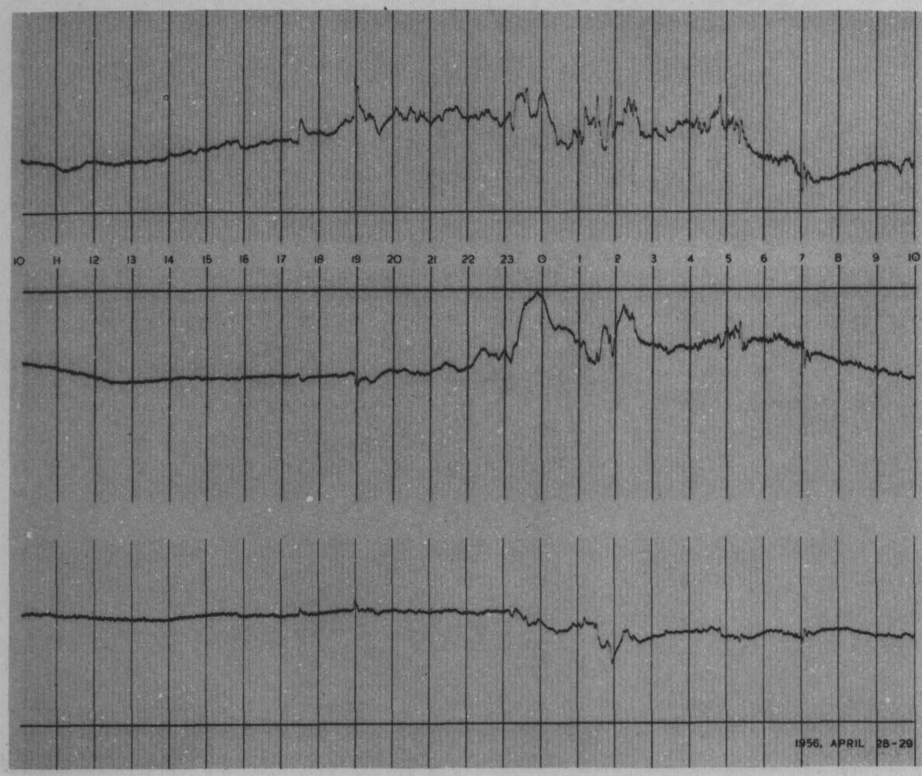



APRIL 26–27

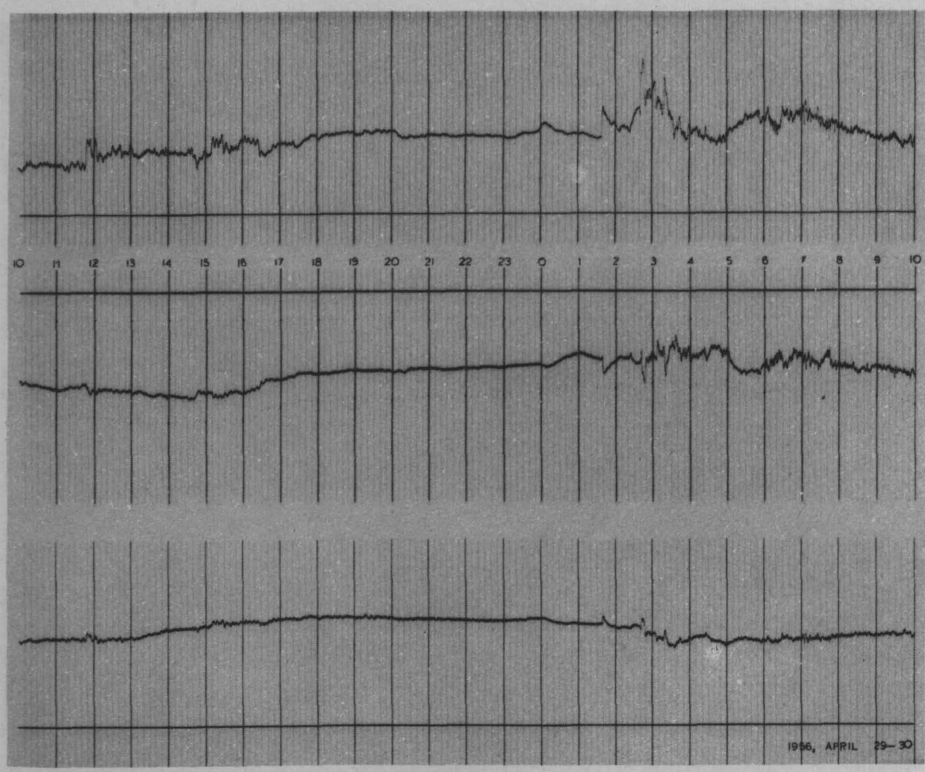



APRIL 27–28

1956

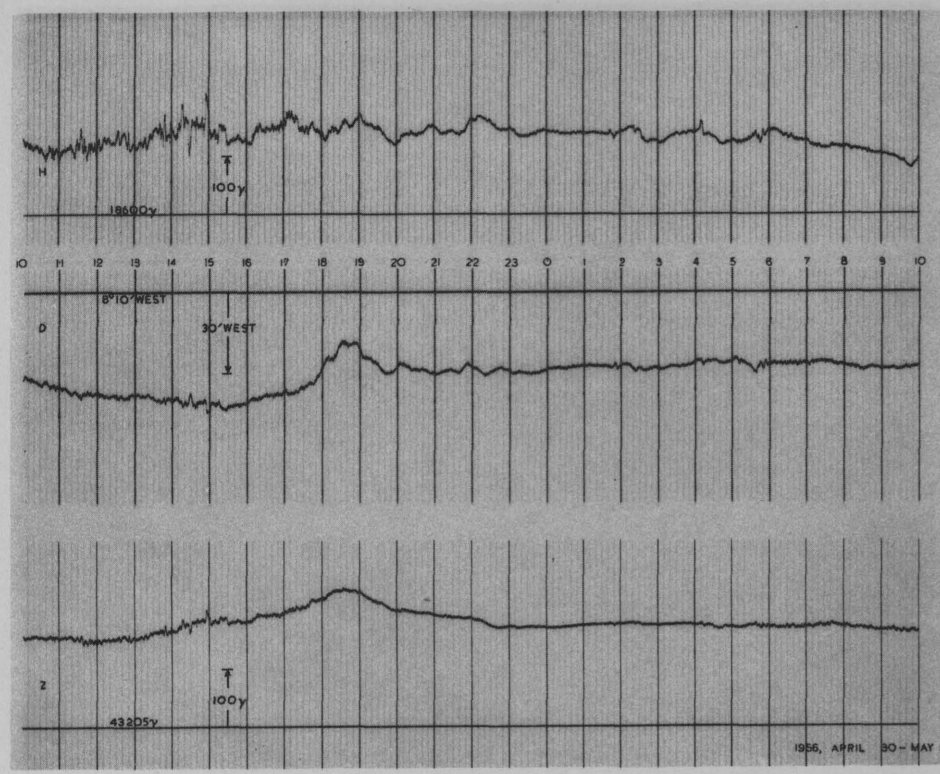



APRIL 28–29

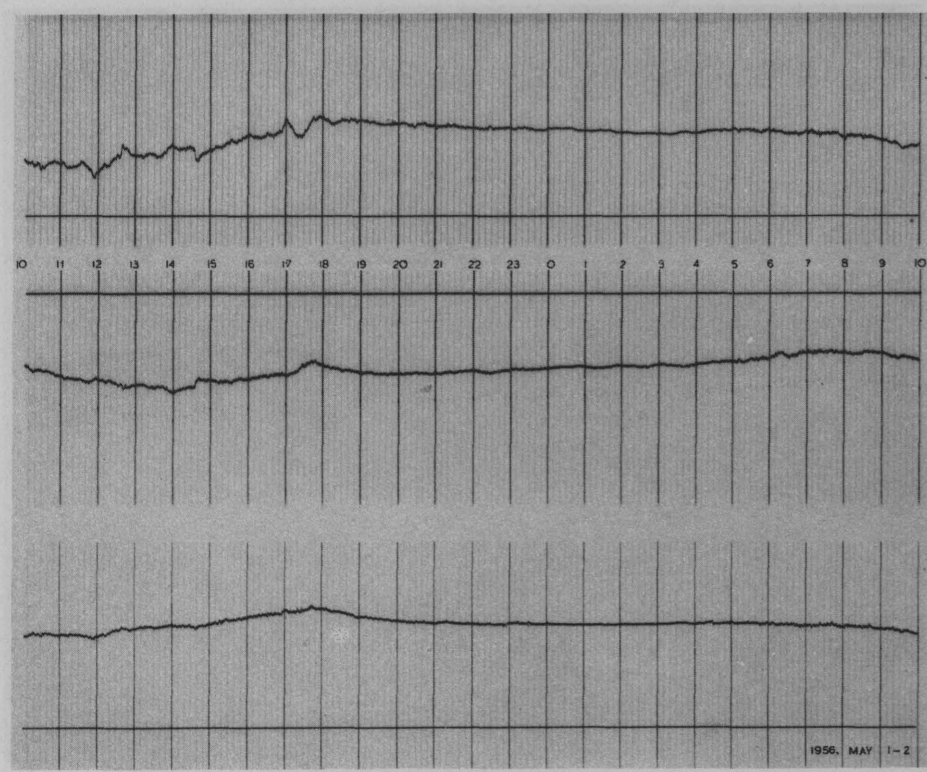



APRIL 29–30

1956

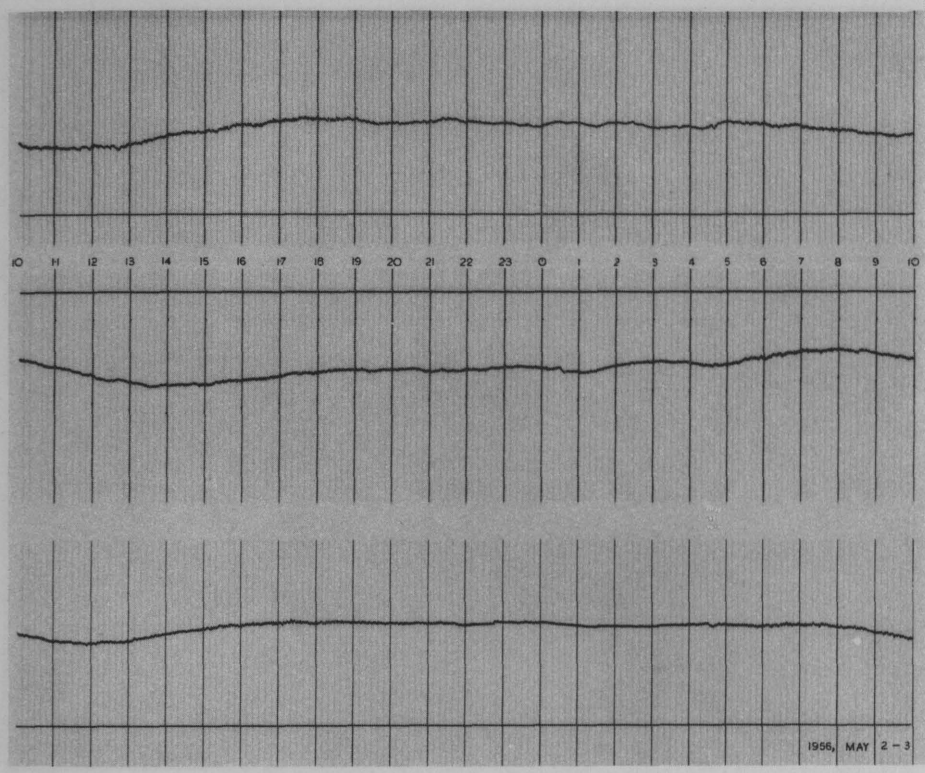



APR. 30- MAY 1

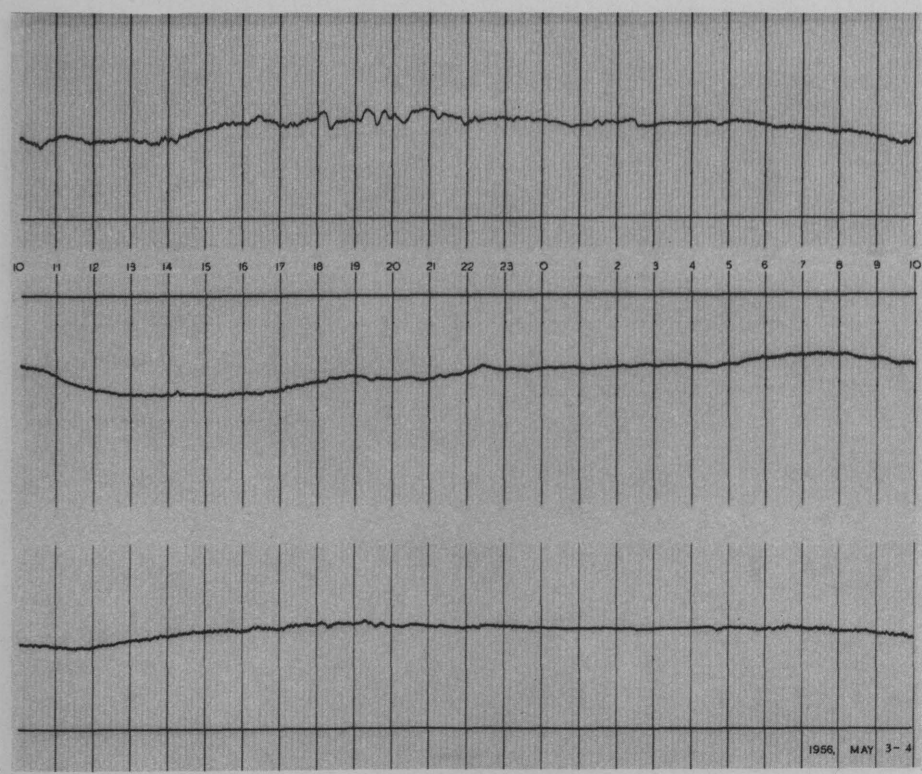



MAY 1–2

1956

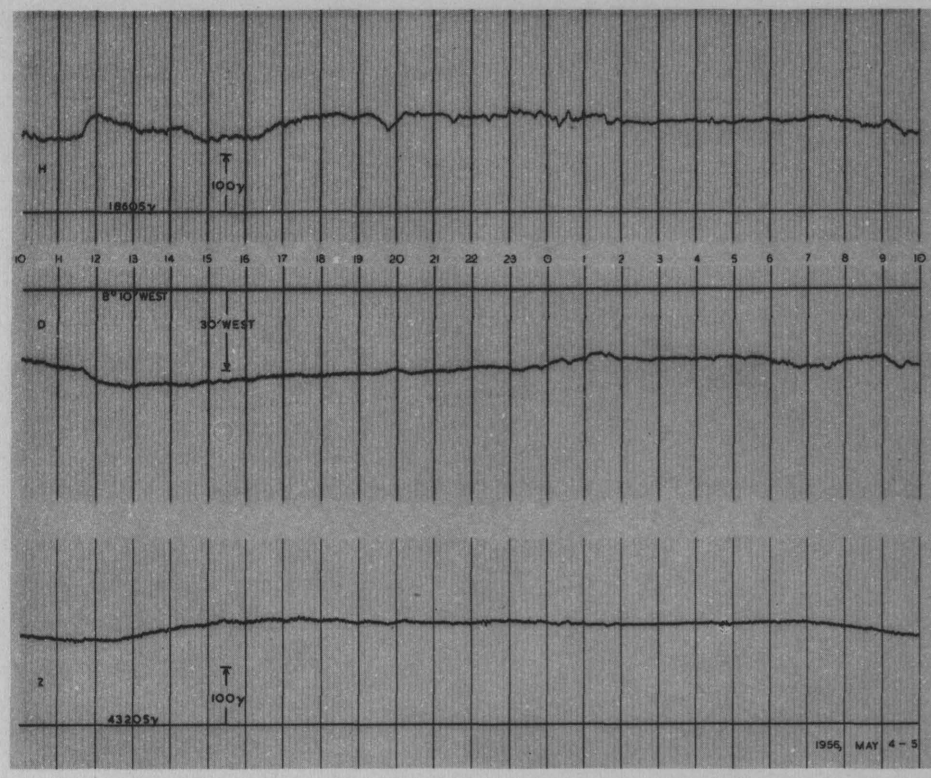



MAY 2–3

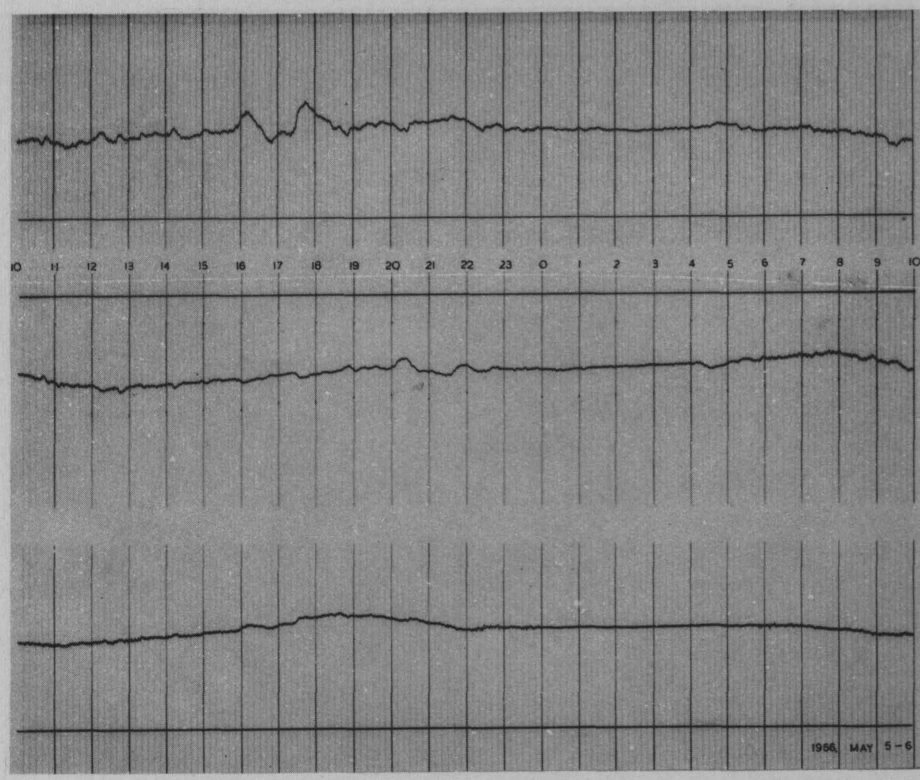



MAY 3–4

1956

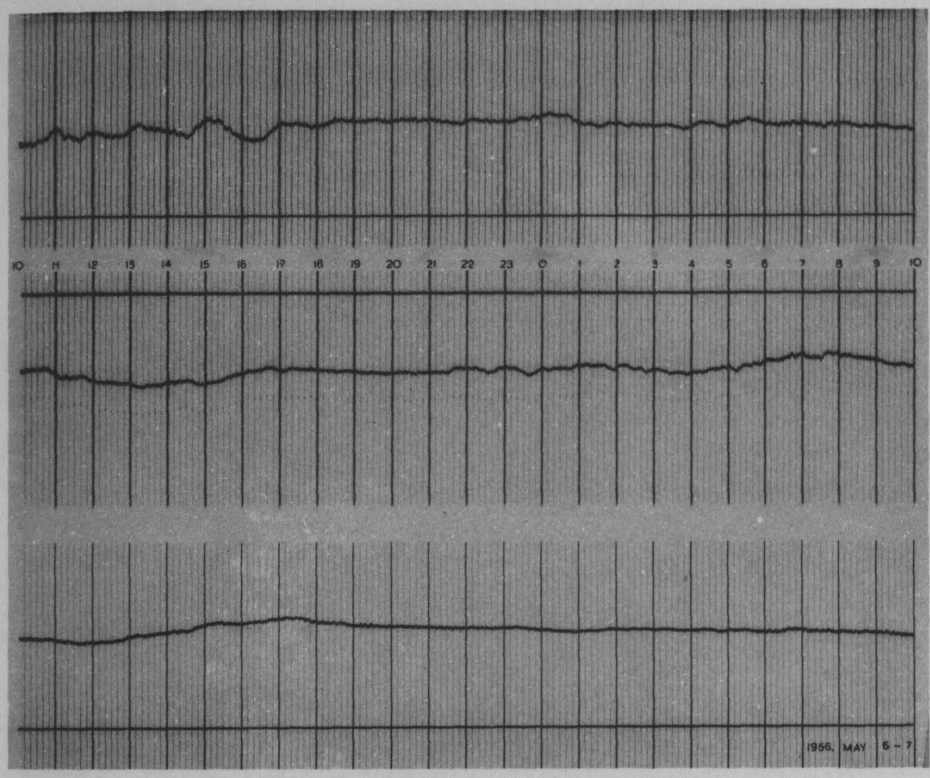



MAY 4–5

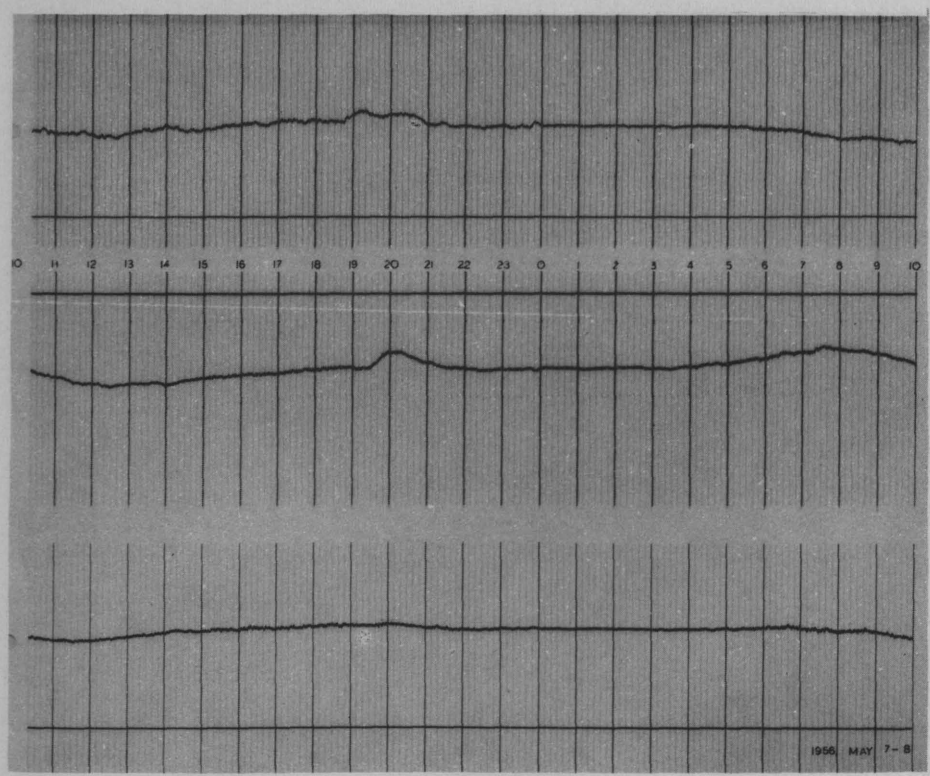



MAY 5–6

1956

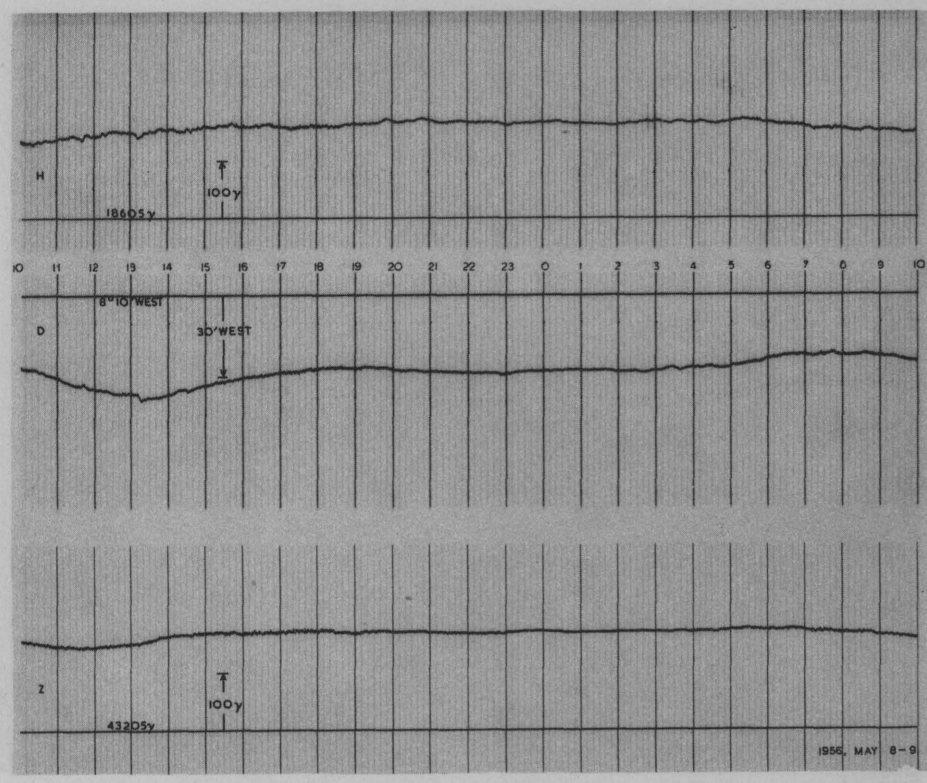



MAY 6–7

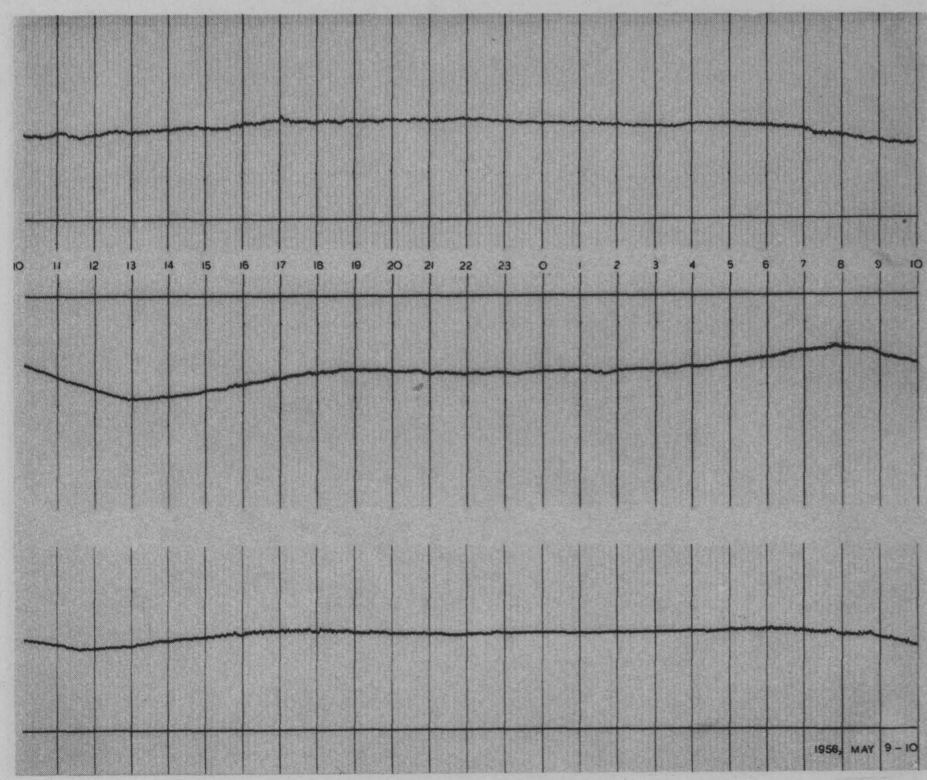



MAY 7–8

1956

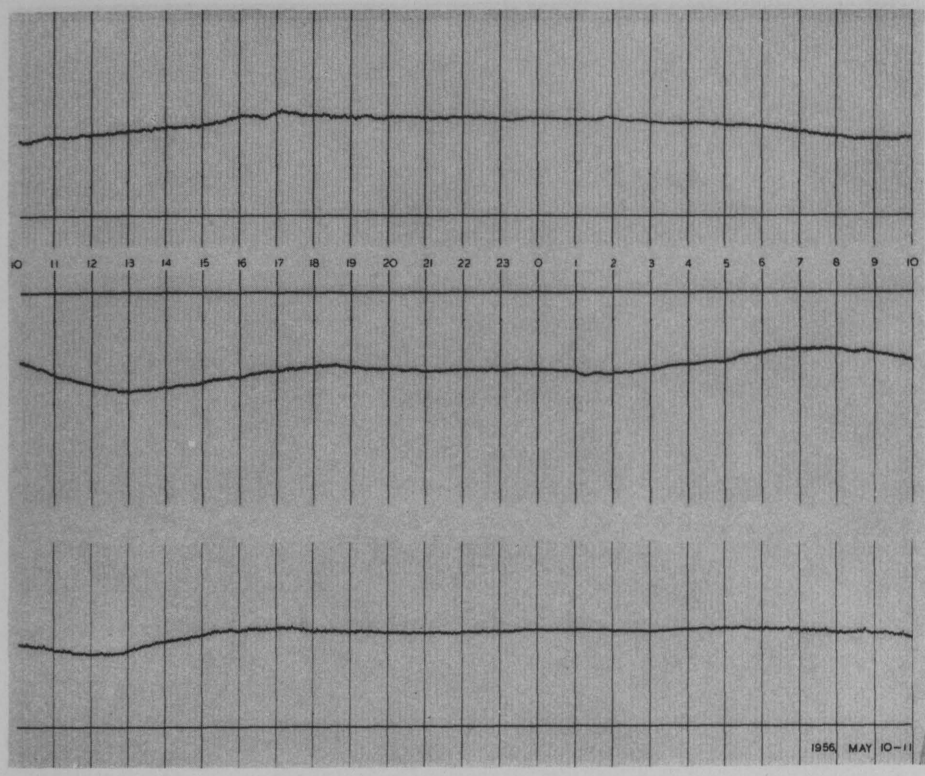



MAY 8–9

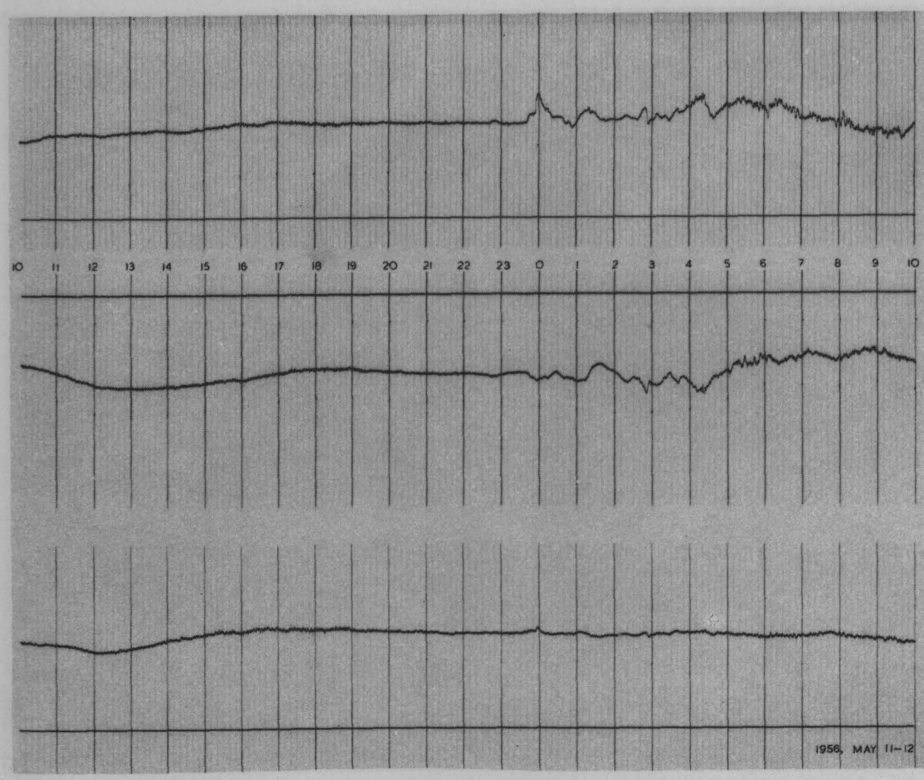



MAY 9–10

1956

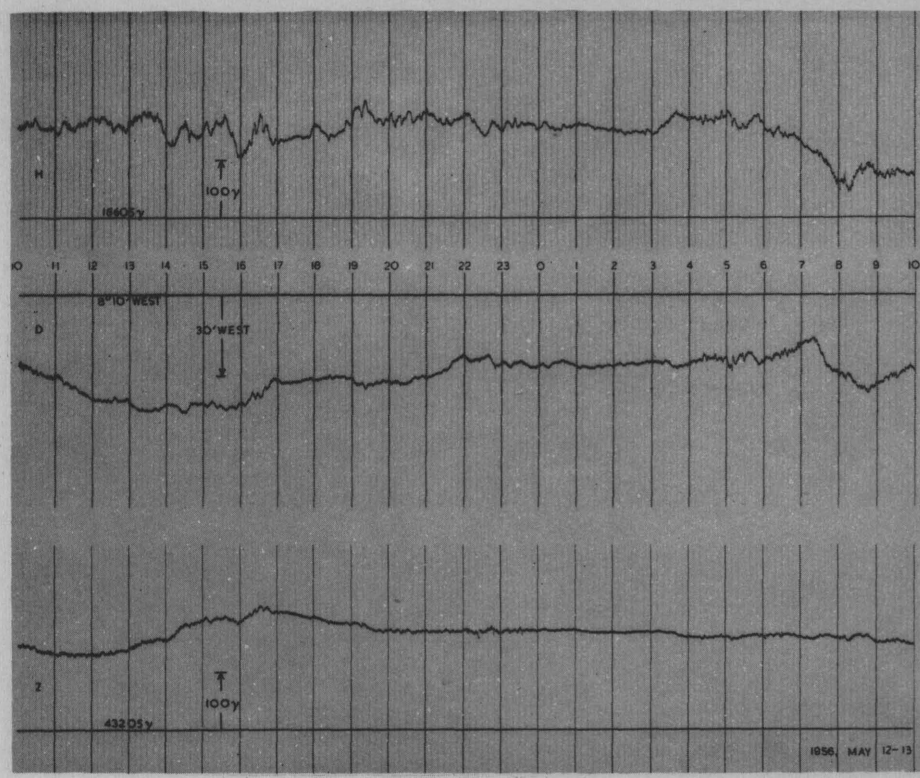



MAY 10–11

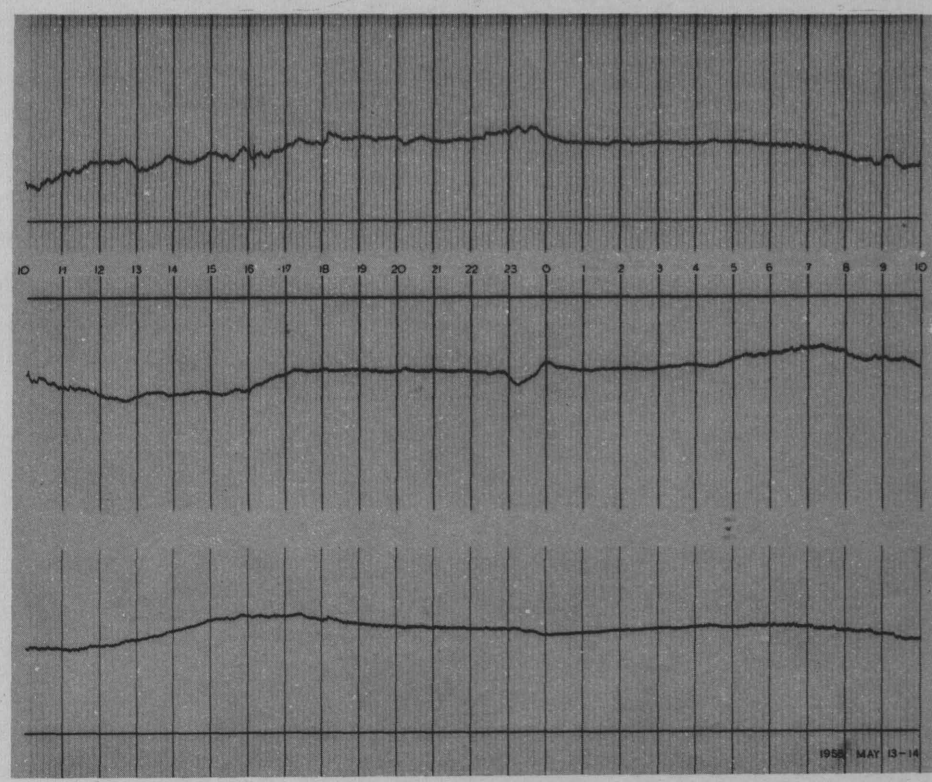



MAY 11–12

1956

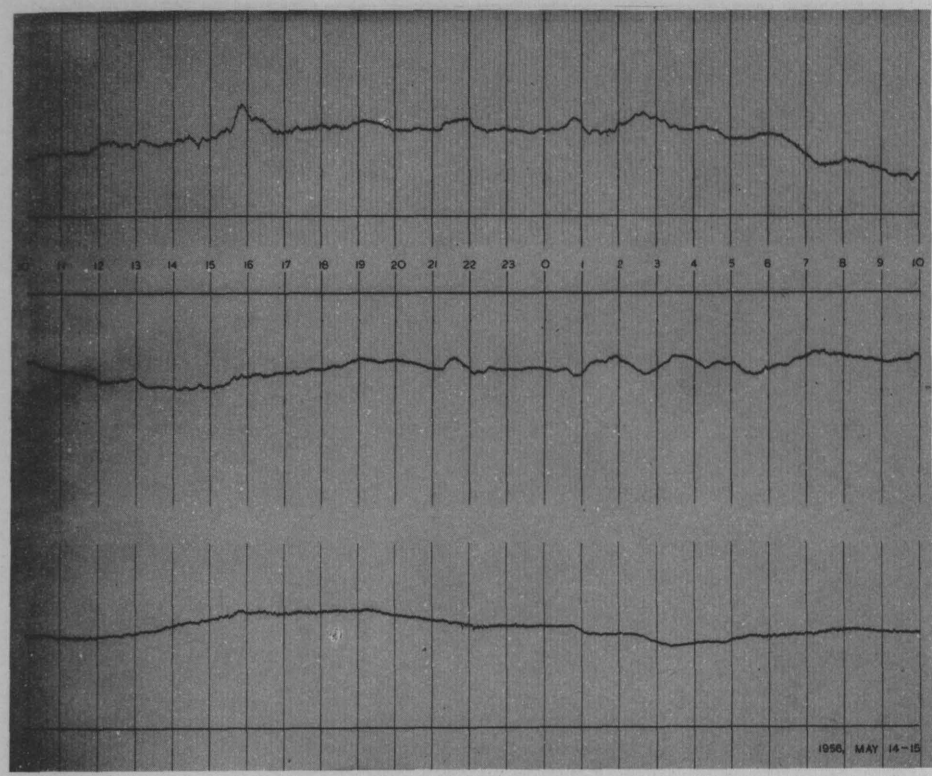



MAY 12–13

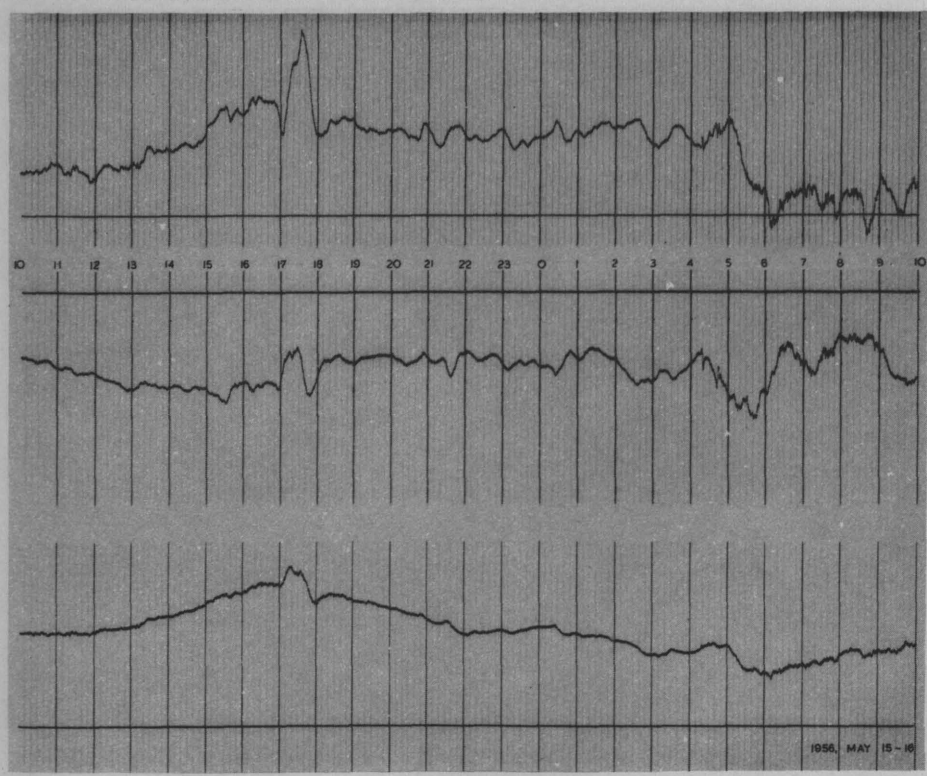



MAY 13–14

1956

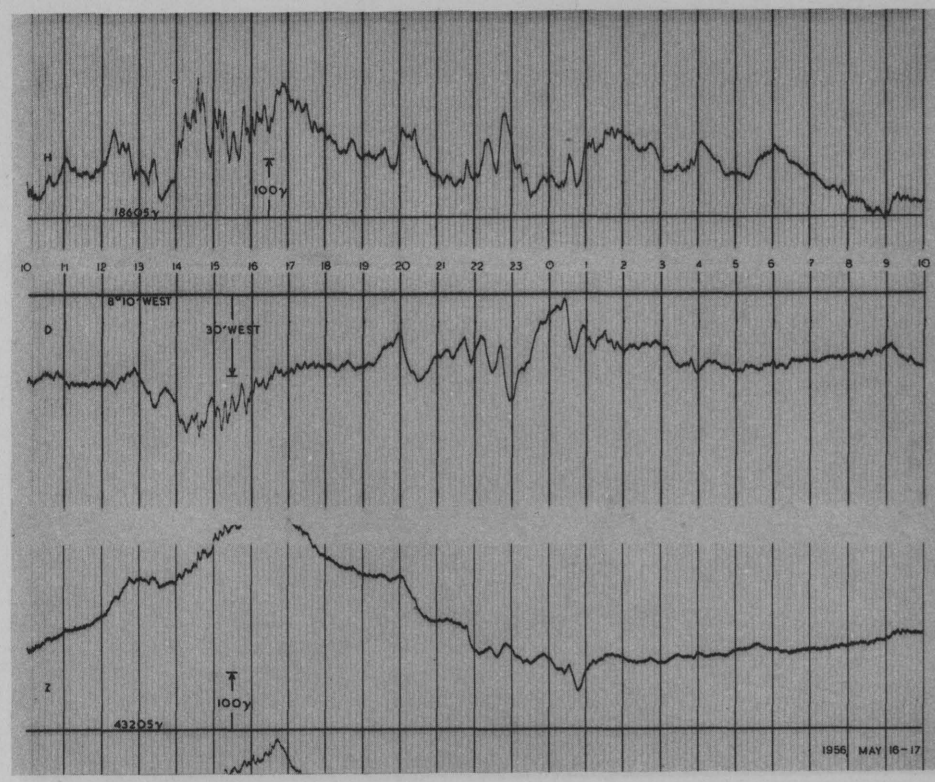



MAY 14–15

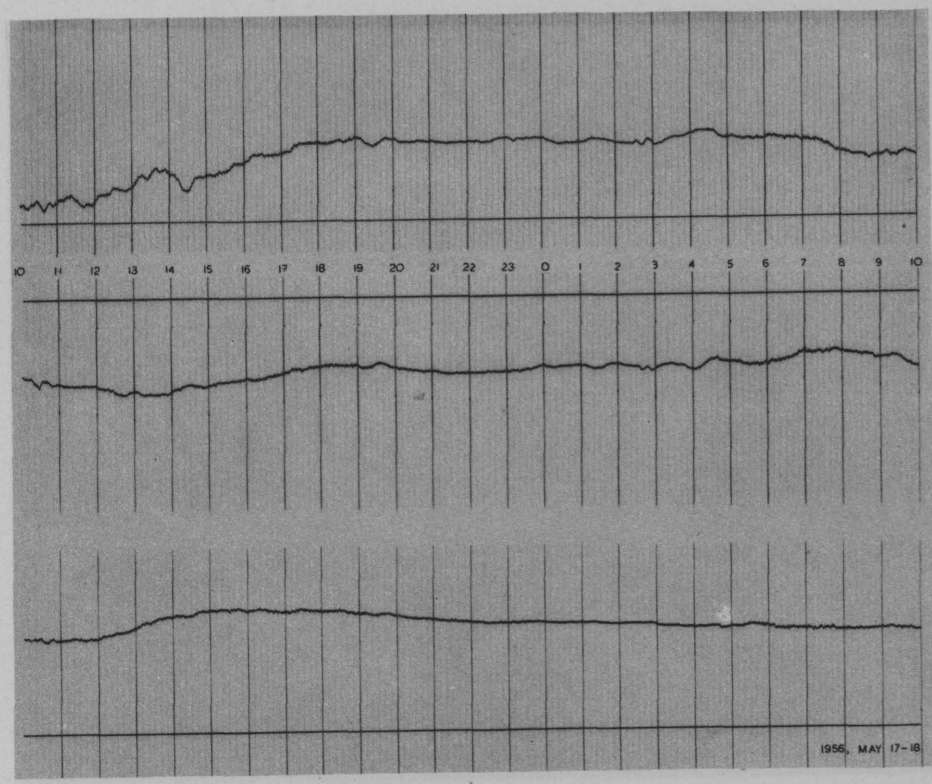



MAY 15–16

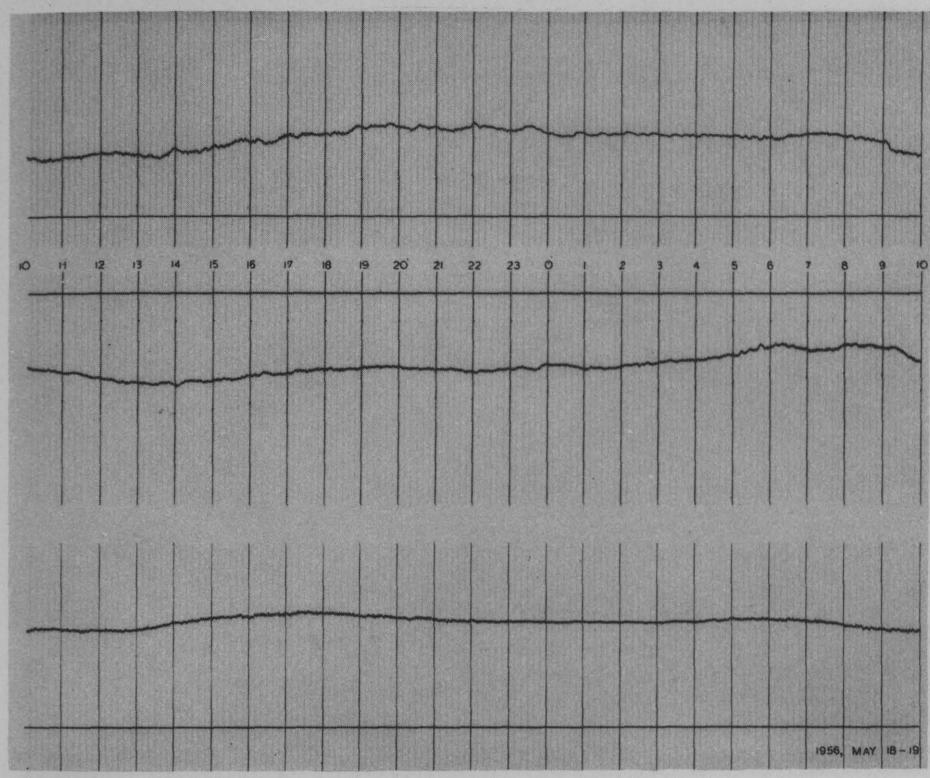
1956




MAY 16–17

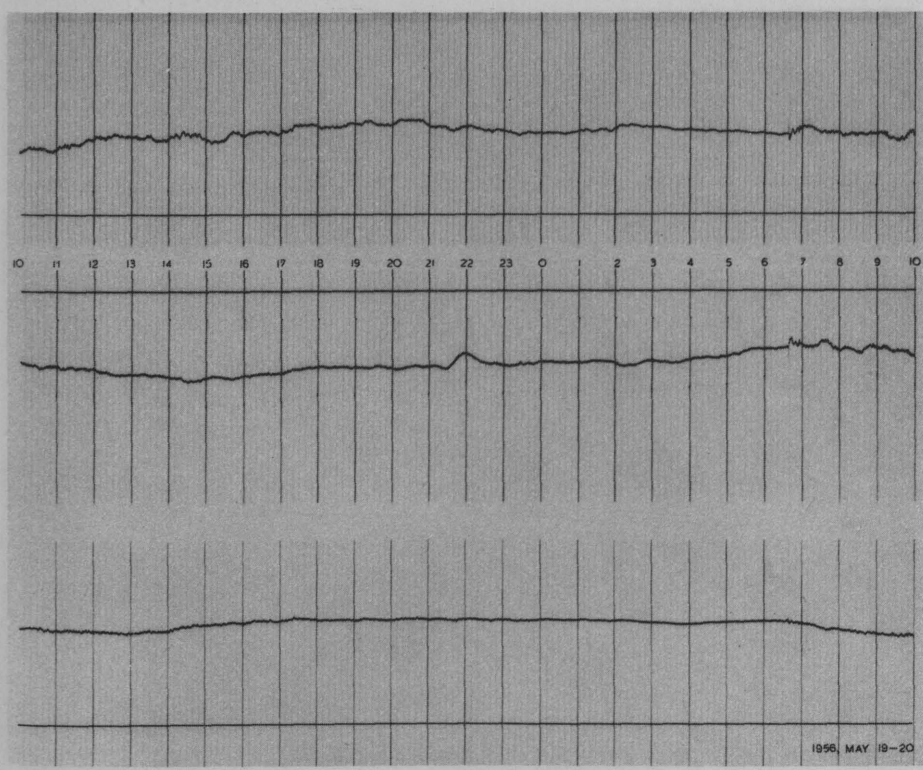



MAY 17–18



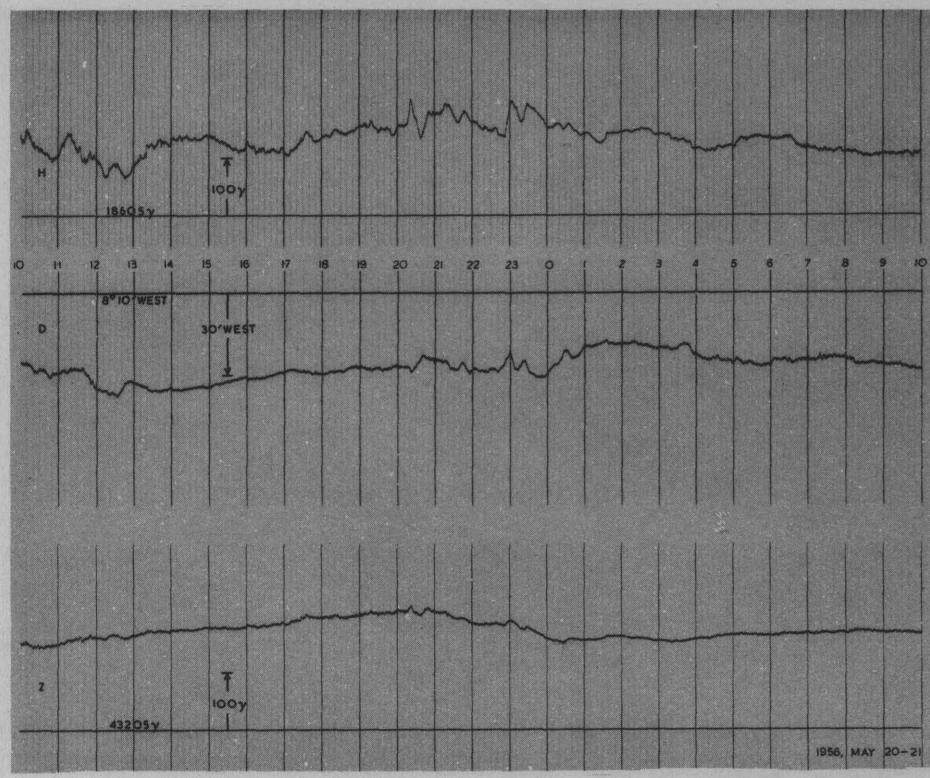

1956

MAY 18–19

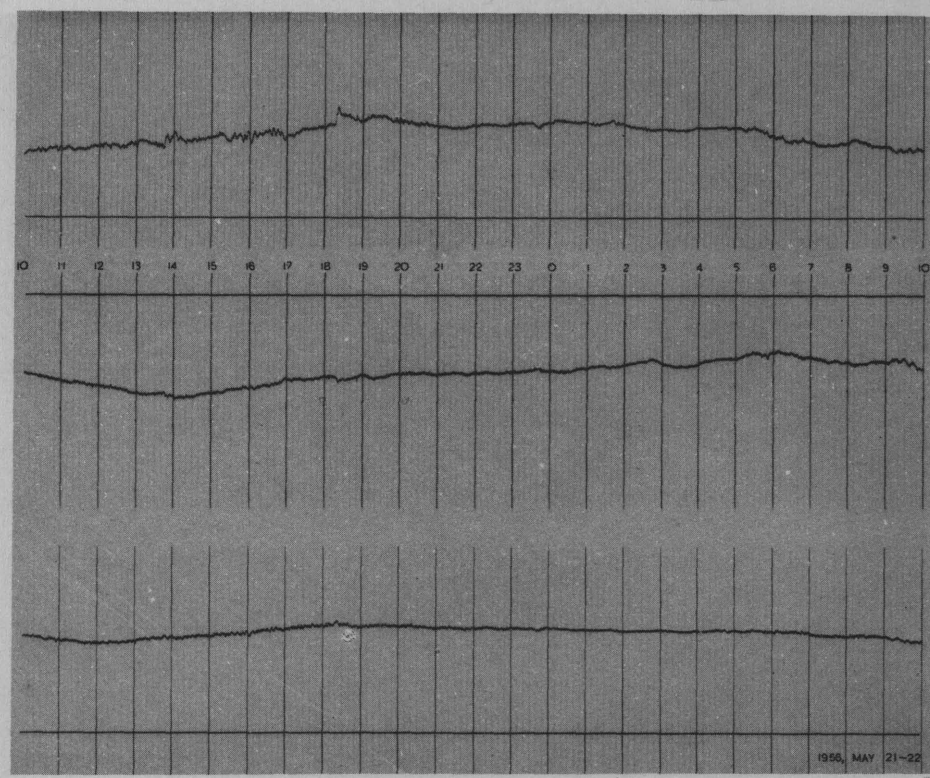



MAY 19–20

1956

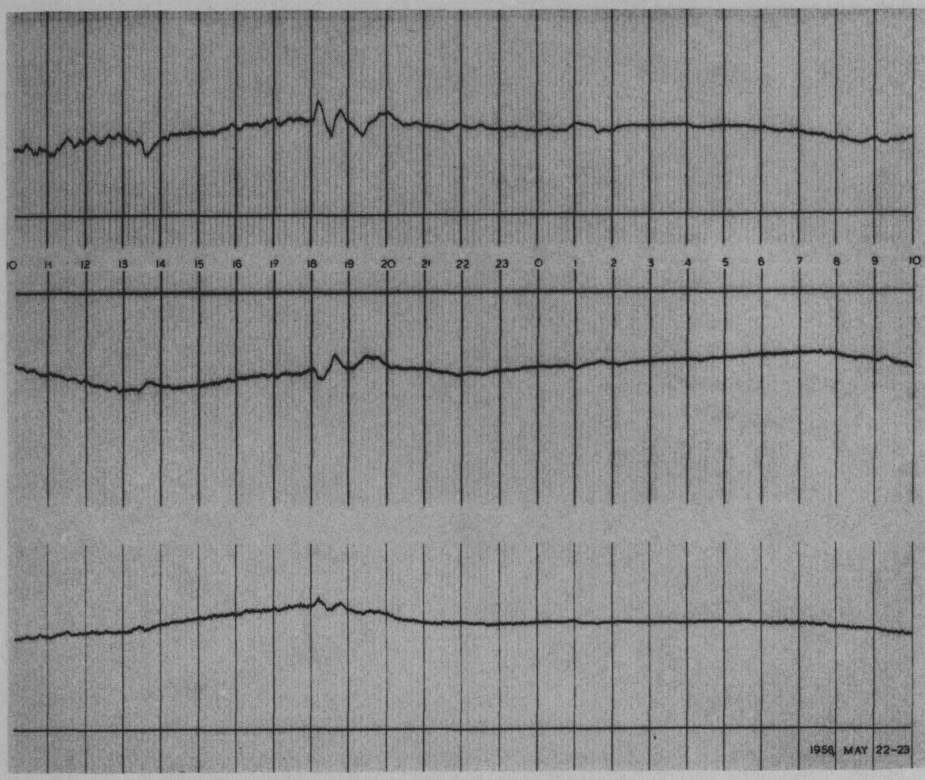



MAY 20–21

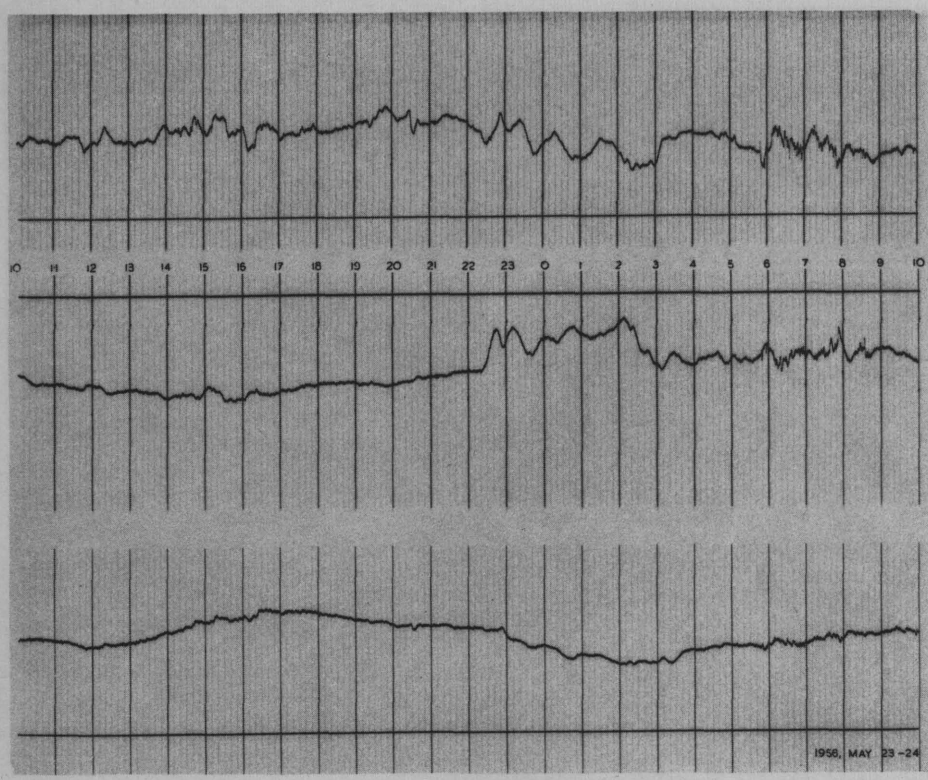



MAY 21–22

1956

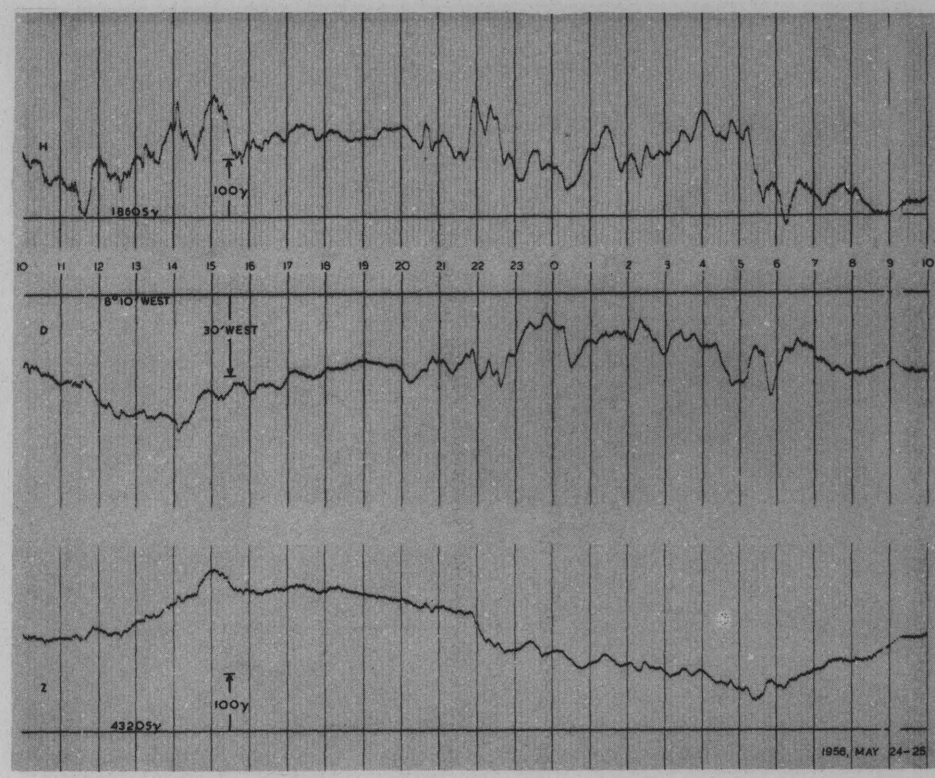



MAY 22–23

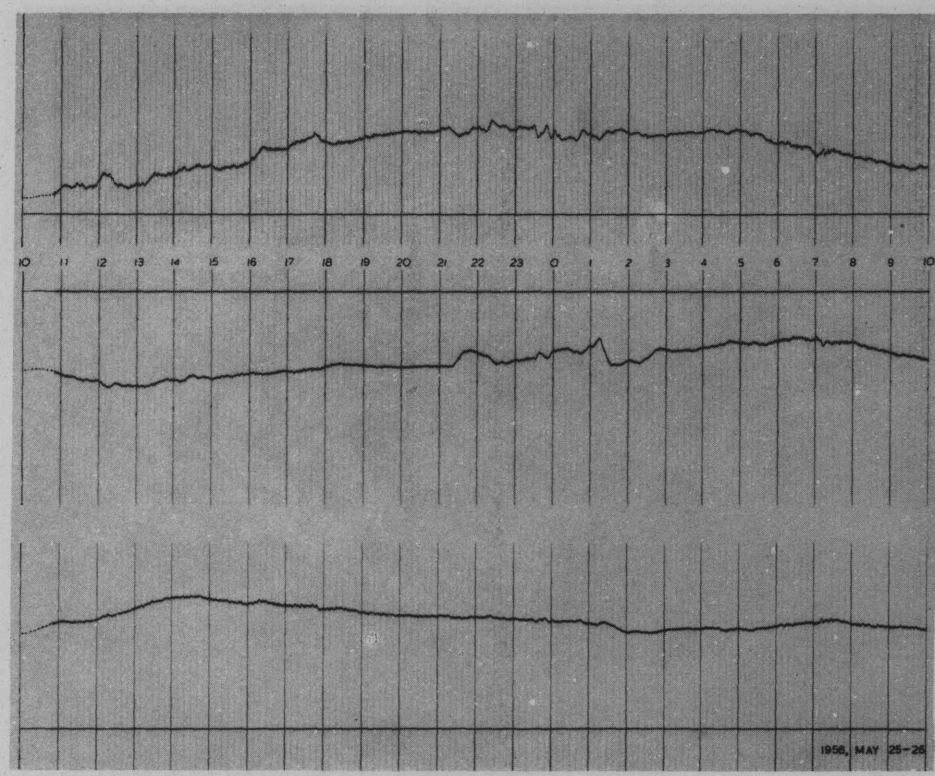



MAY 23–24

1956

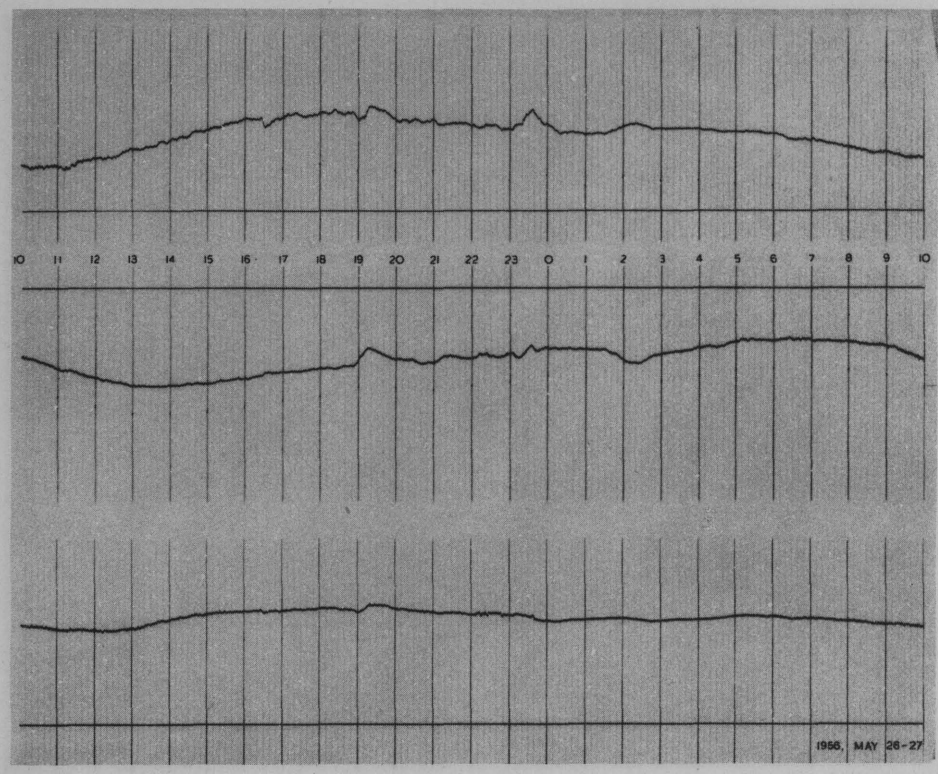



MAY 24–25

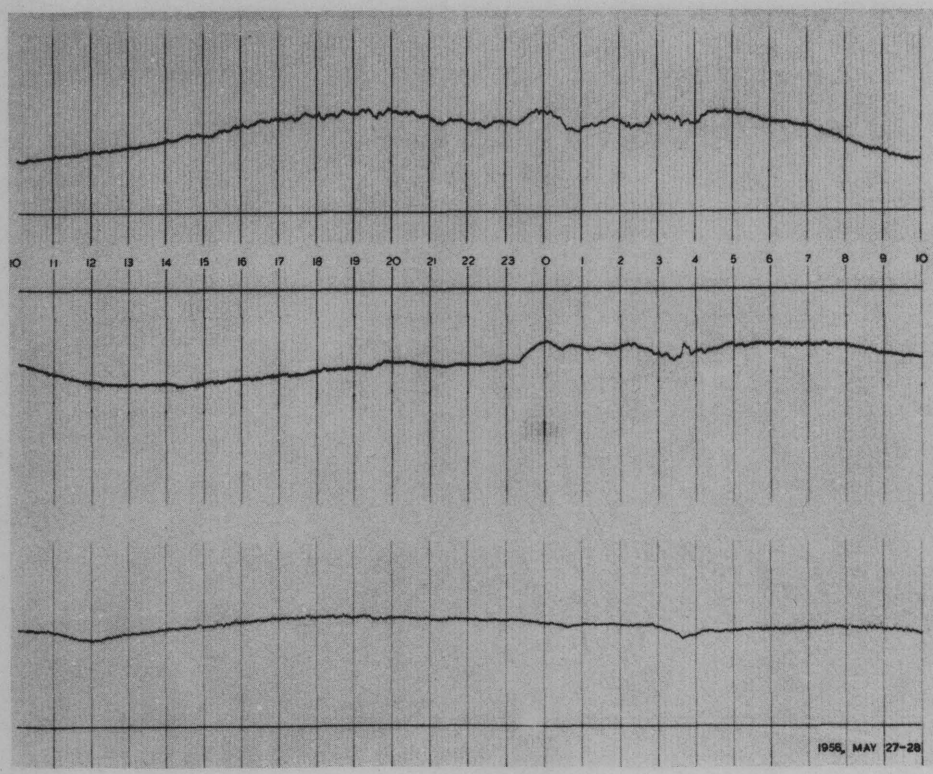



MAY 25–26

1956

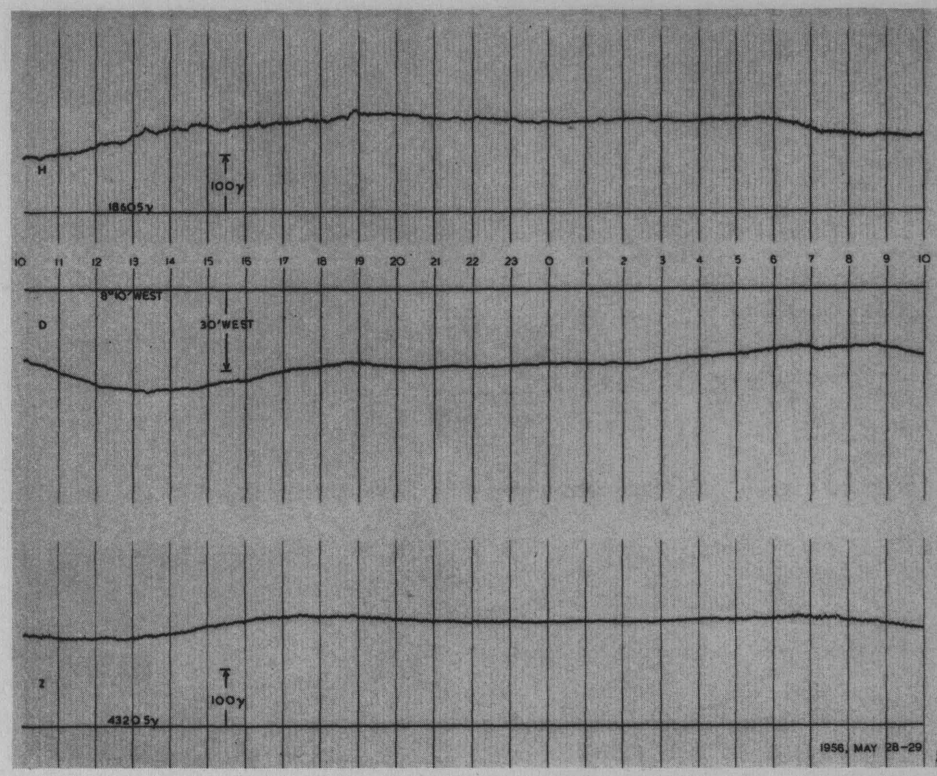



MAY 26–27

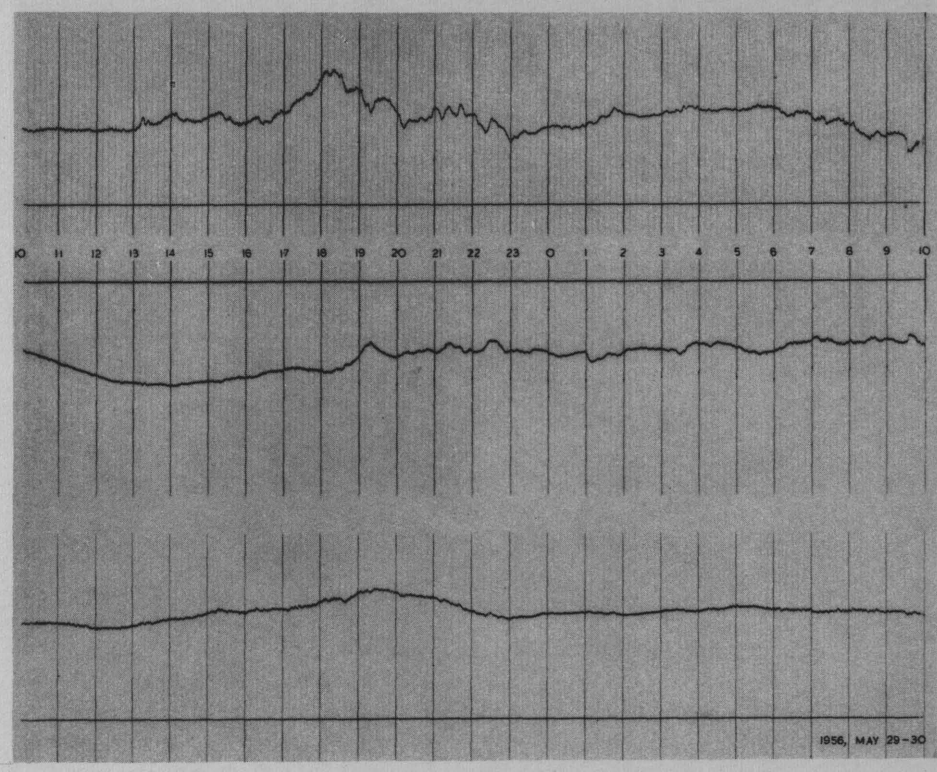



MAY 27–28

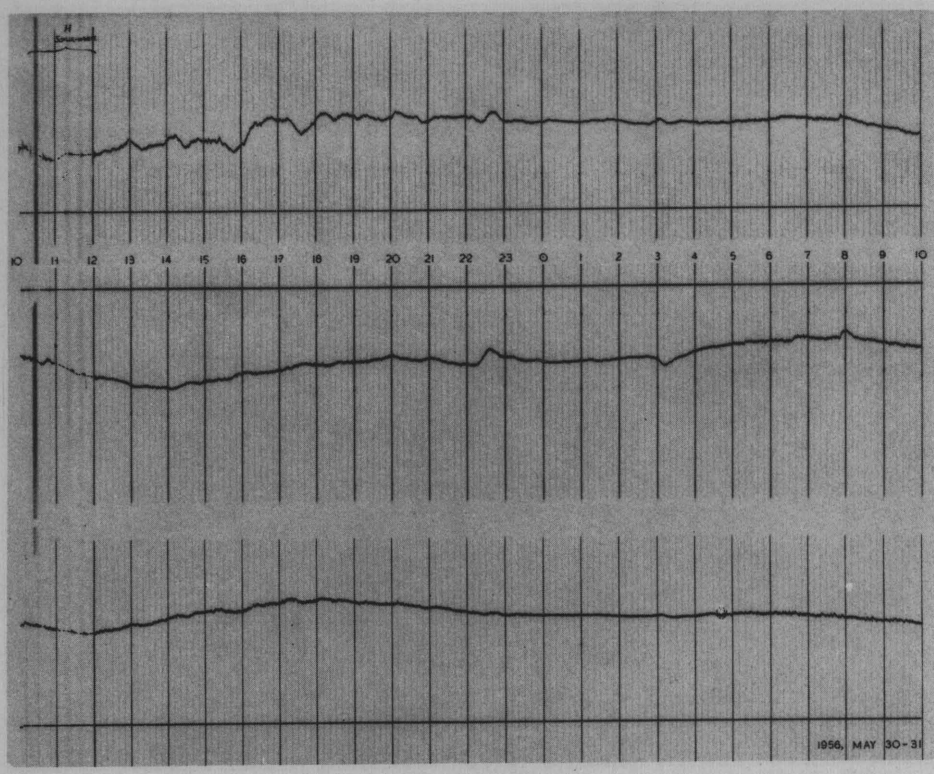
1956




MAY 28–29




MAY 29–30

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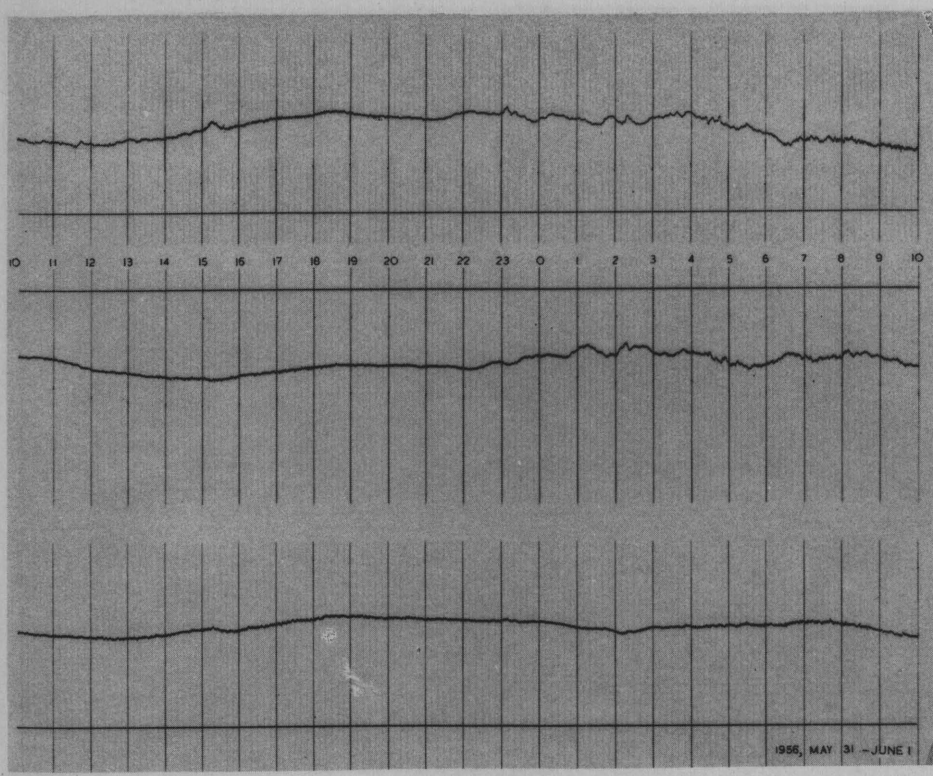
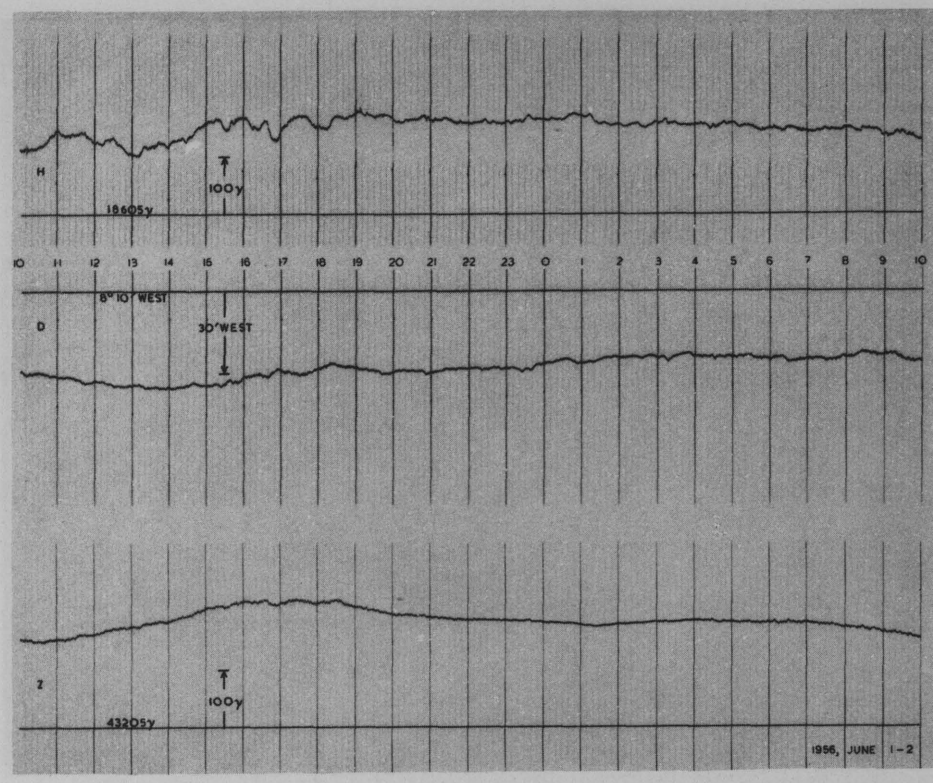
MAY 30–31

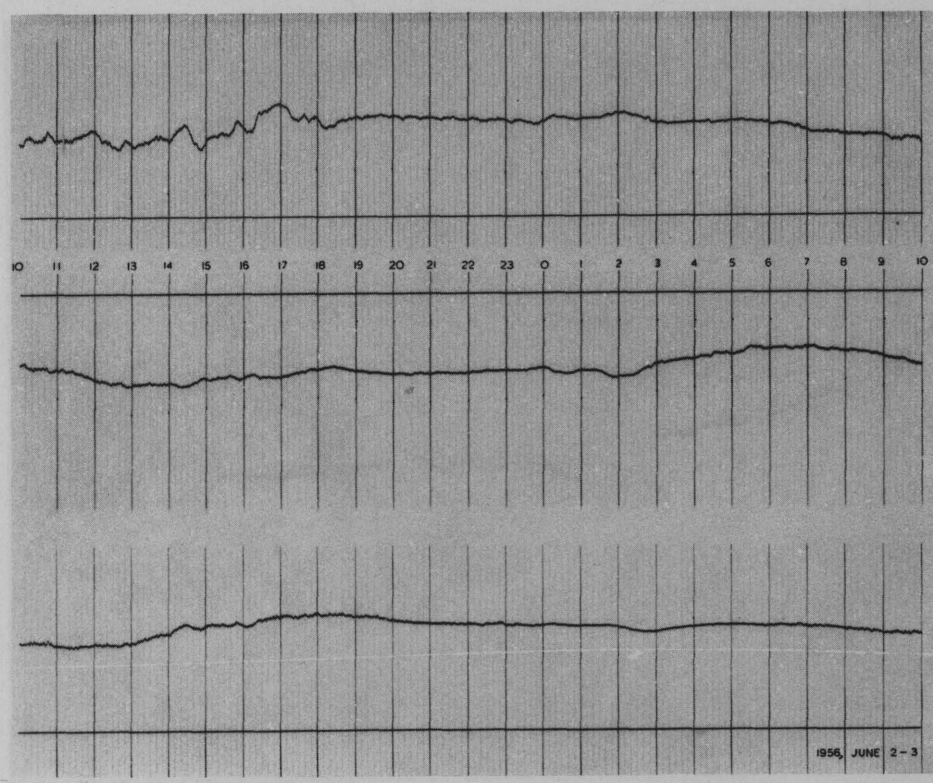



MAY 31–JUN. 1

1956

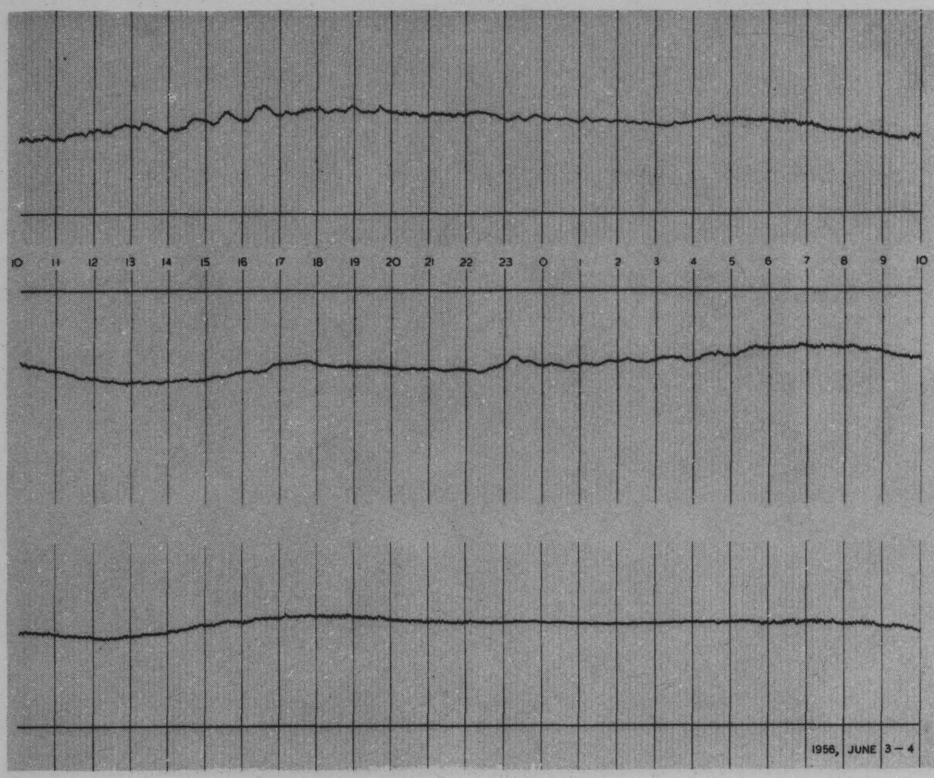



JUNE 1–2

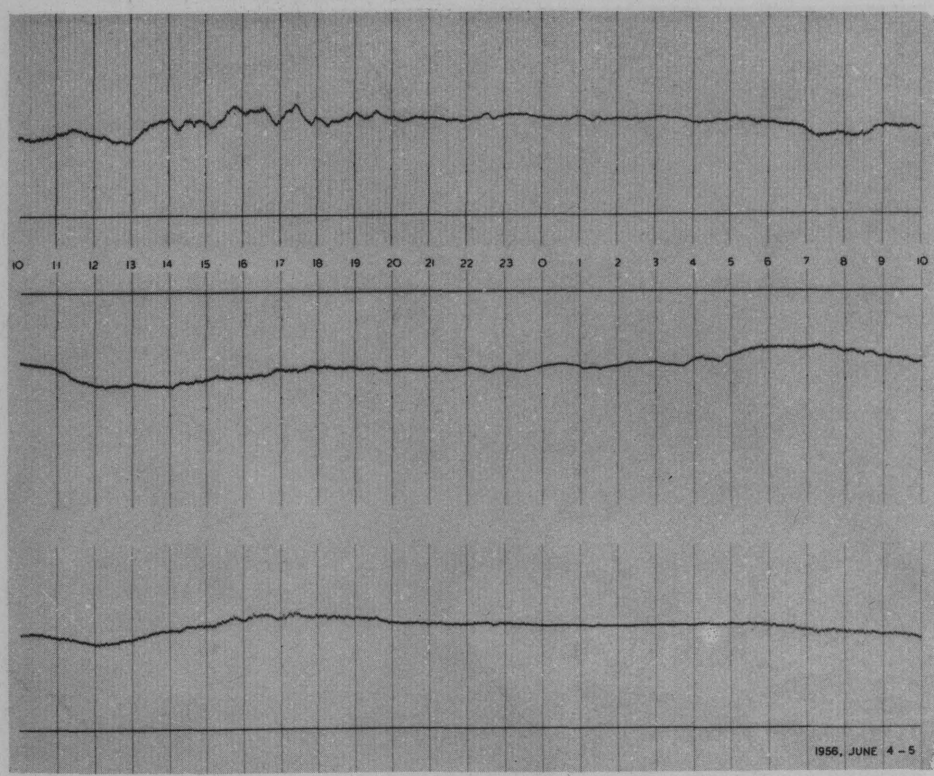



JUNE 2–3

1956

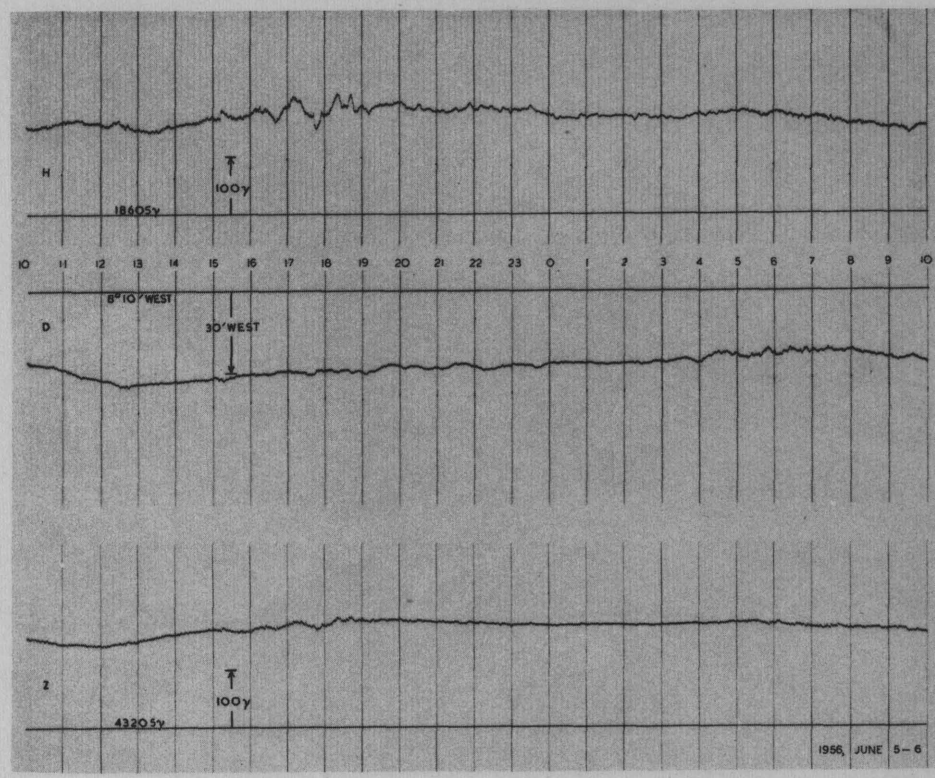



JUNE 3–4

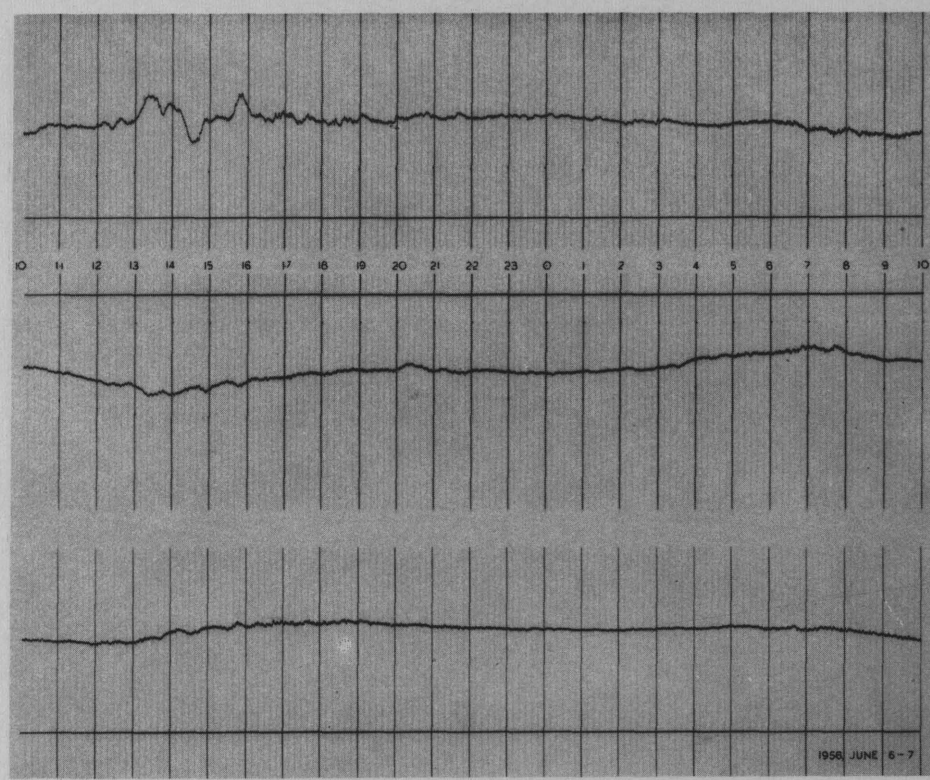



JUNE 4–5

1956

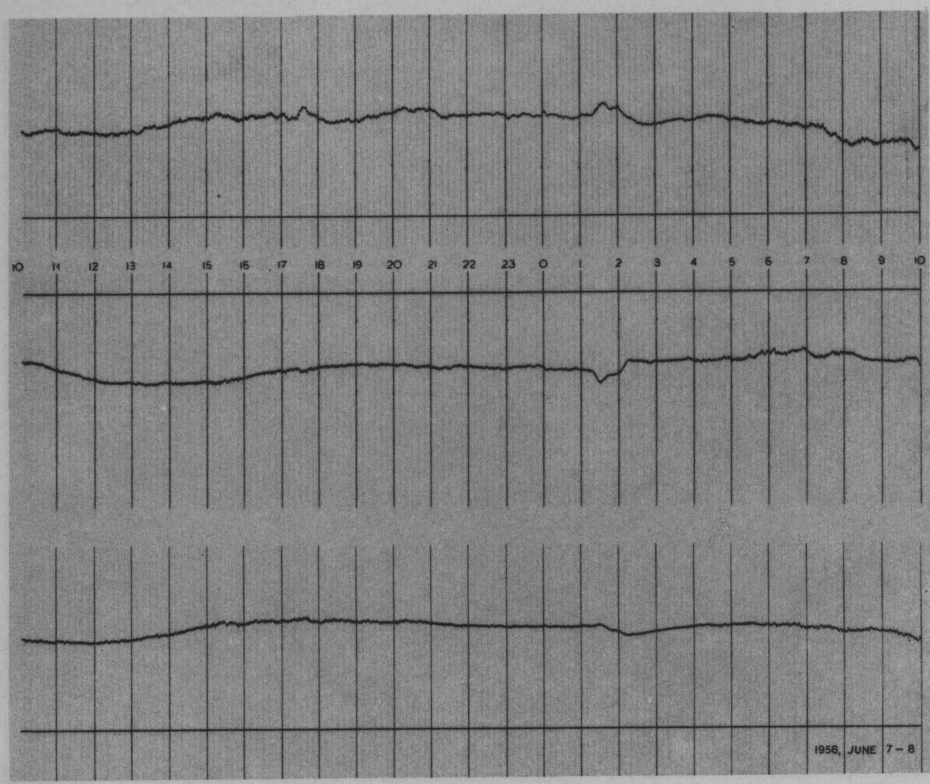



JUNE 5–6

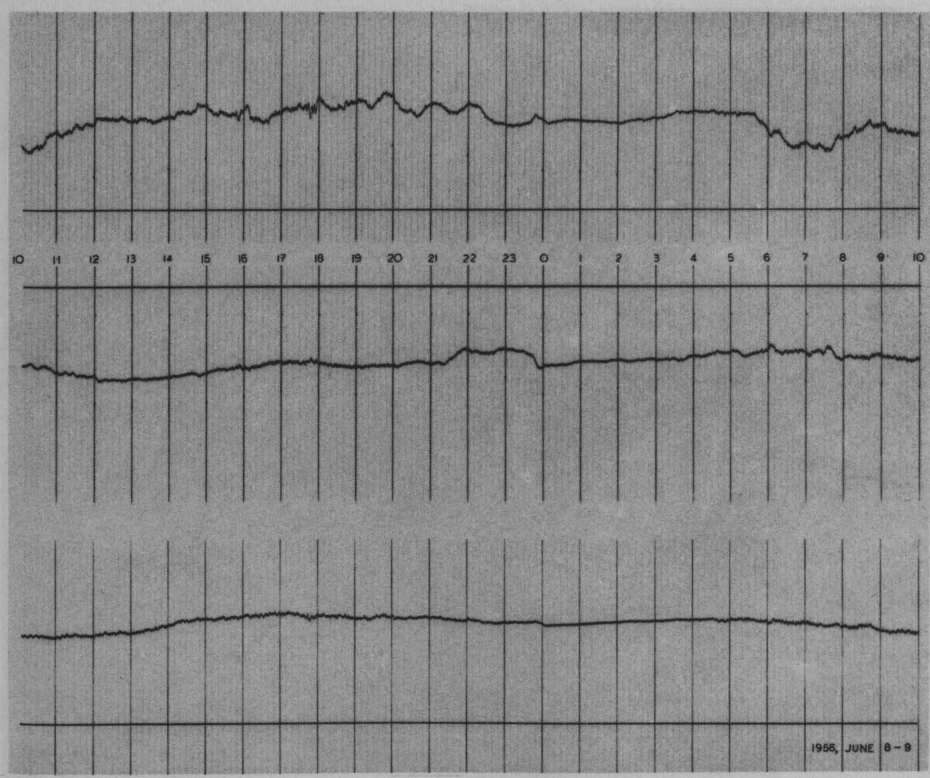



JUNE 6–7

1956

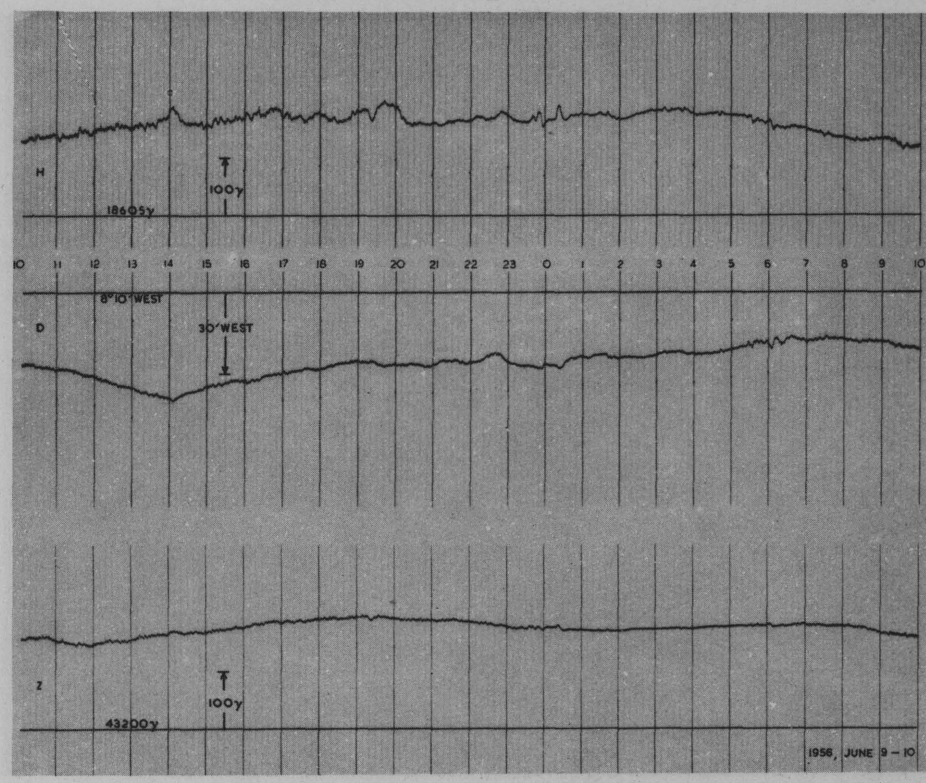



JUNE 7–8

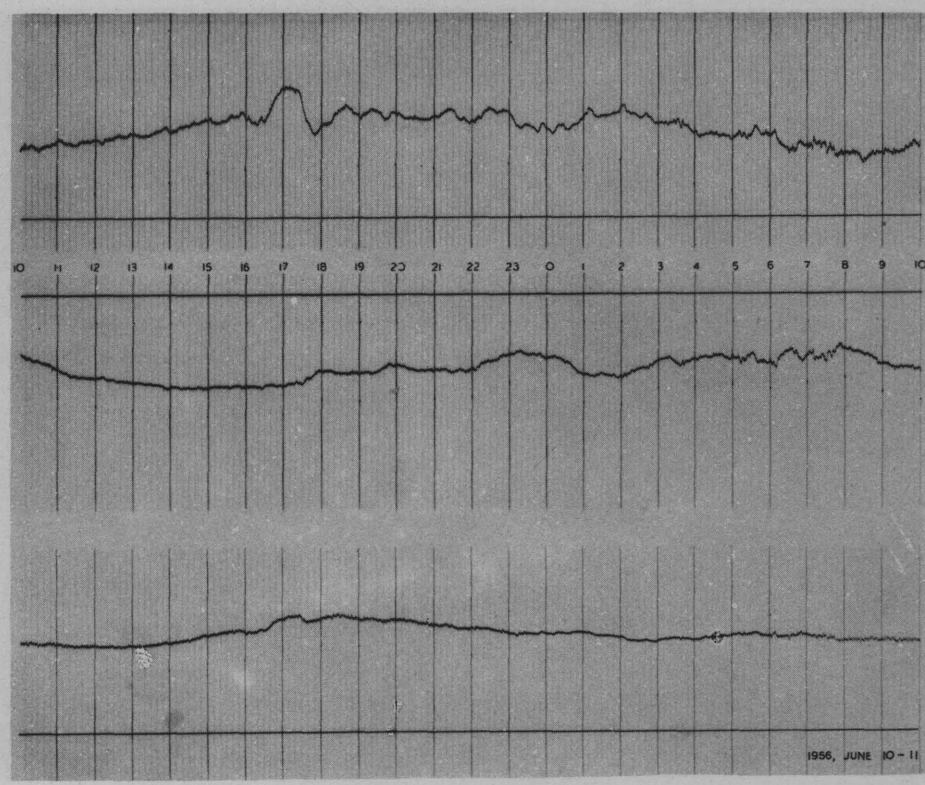



JUNE 8–9

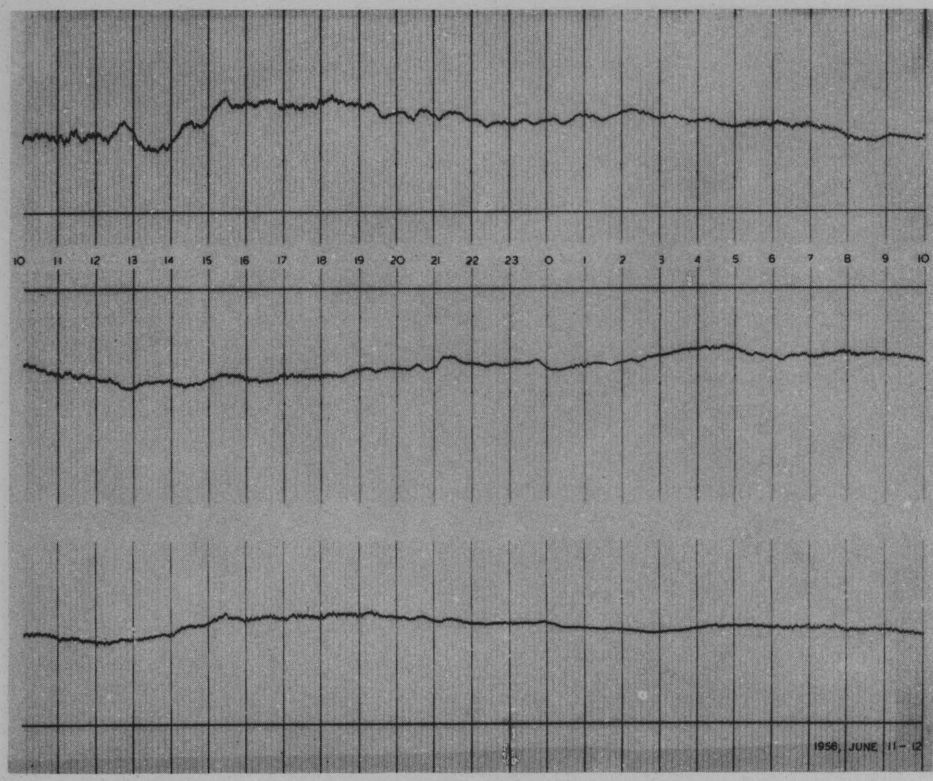
1956




JUNE 9–10

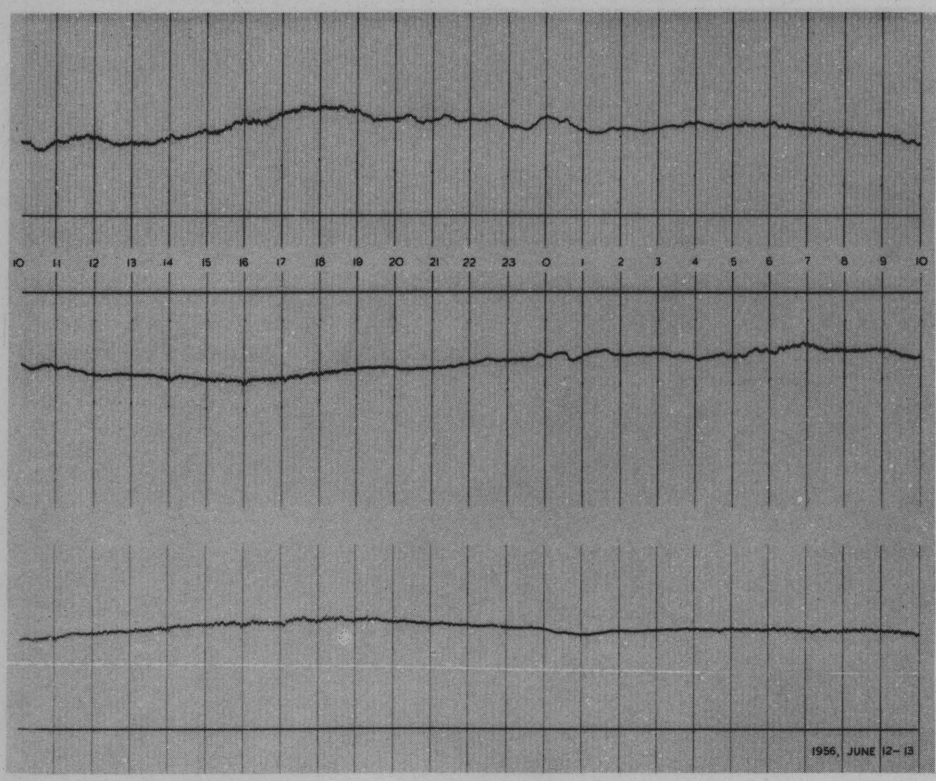



JUNE 10–11



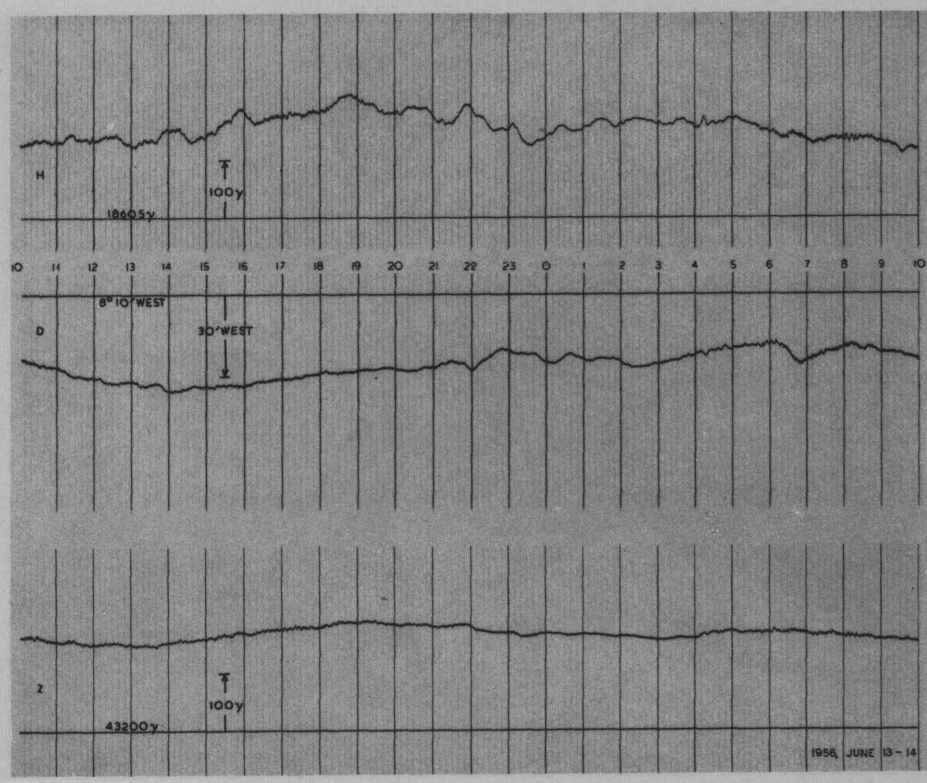

1956

JUNE 11–12

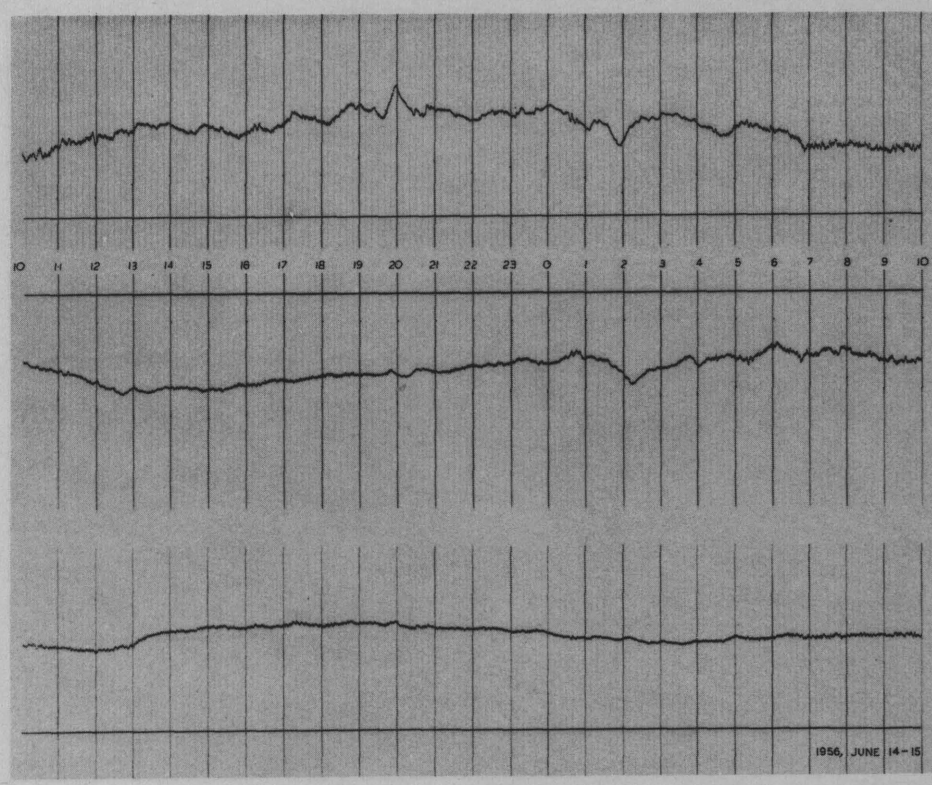



JUNE 12–13

1956



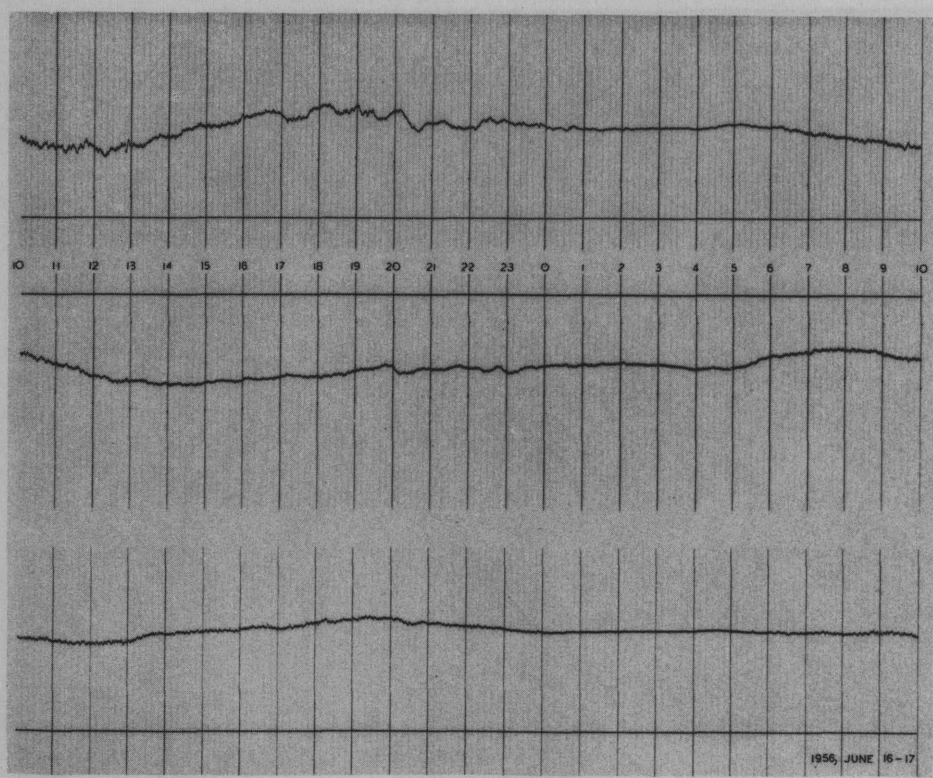

JUNE 13–14




JUNE 14–15

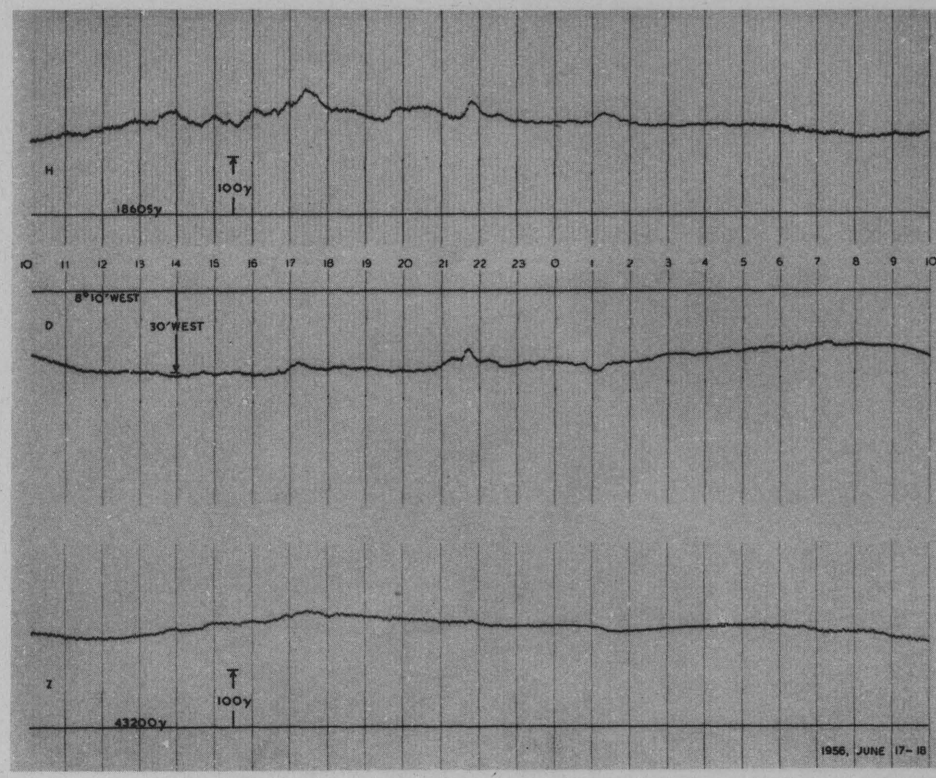

1956

JUNE 15–16

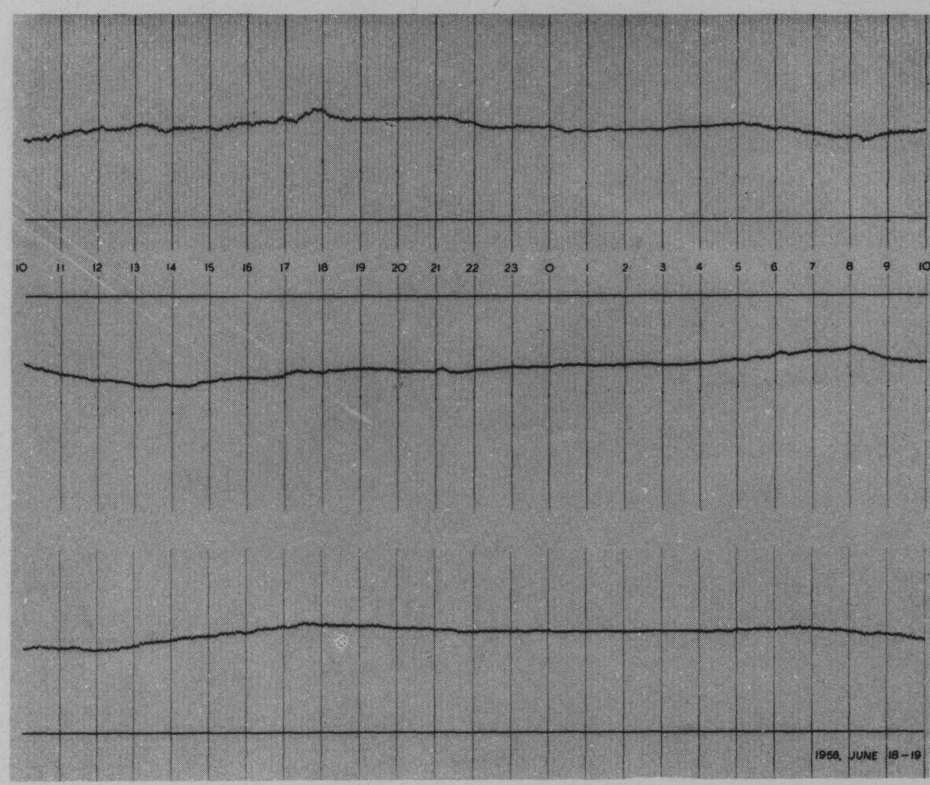



JUNE 16–17

1956

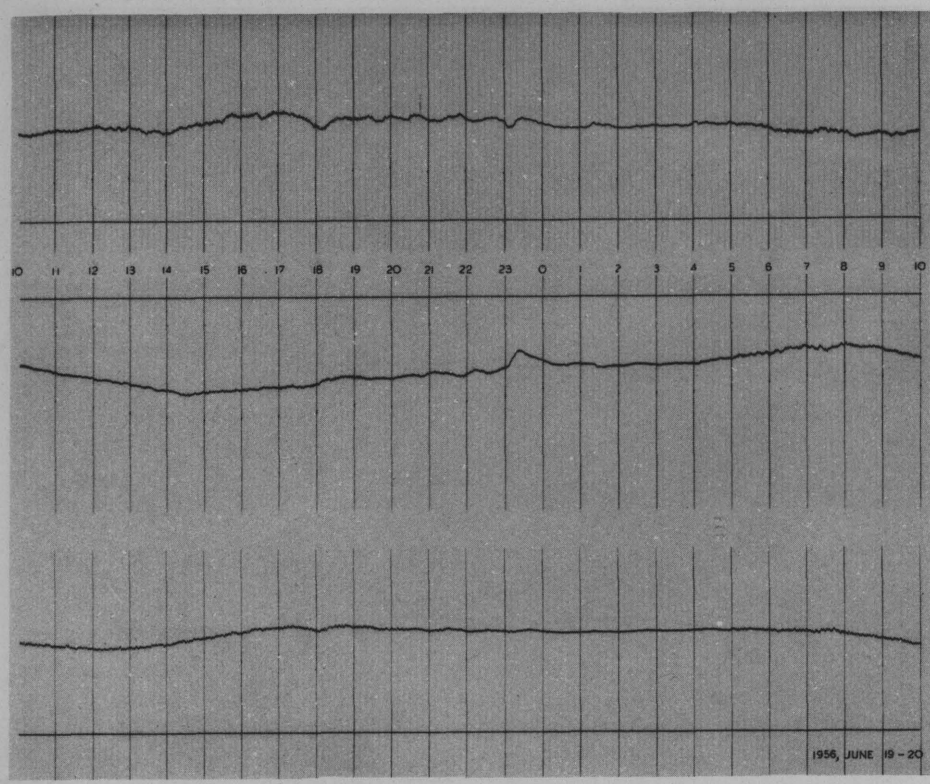



JUNE 17–18

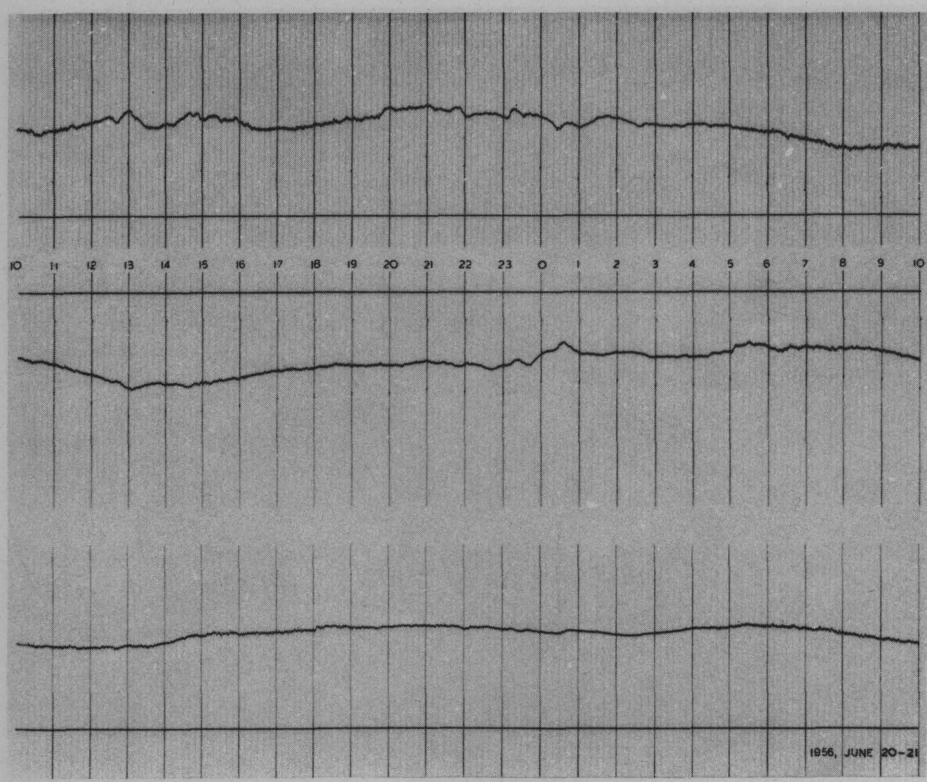



JUNE 18–19

1956

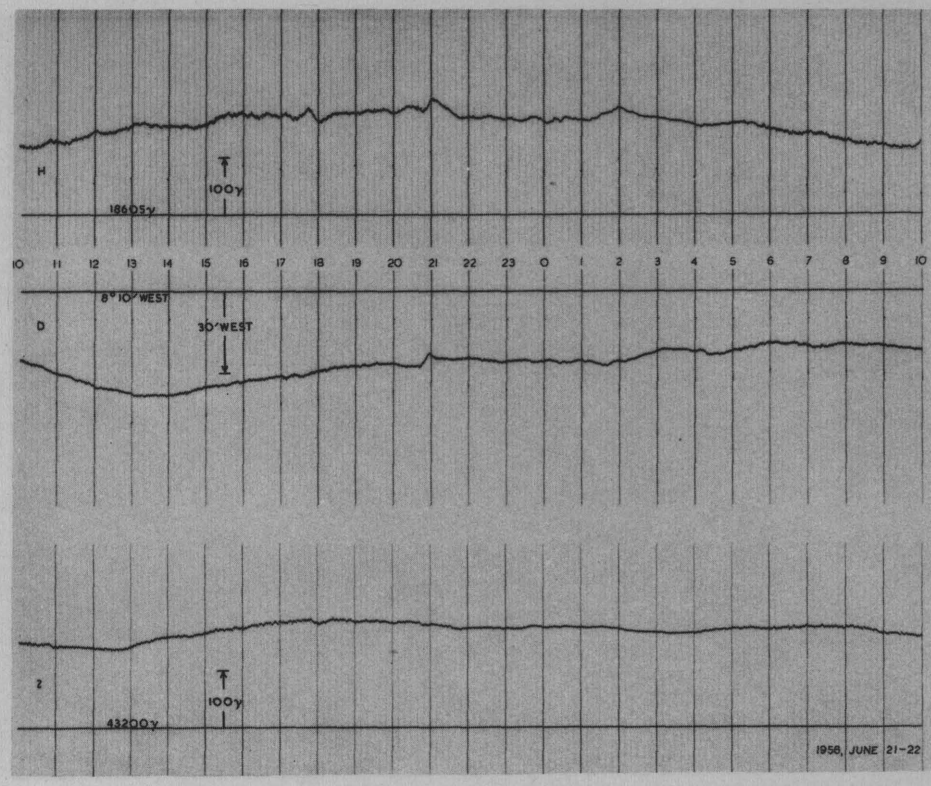



JUNE 19–20

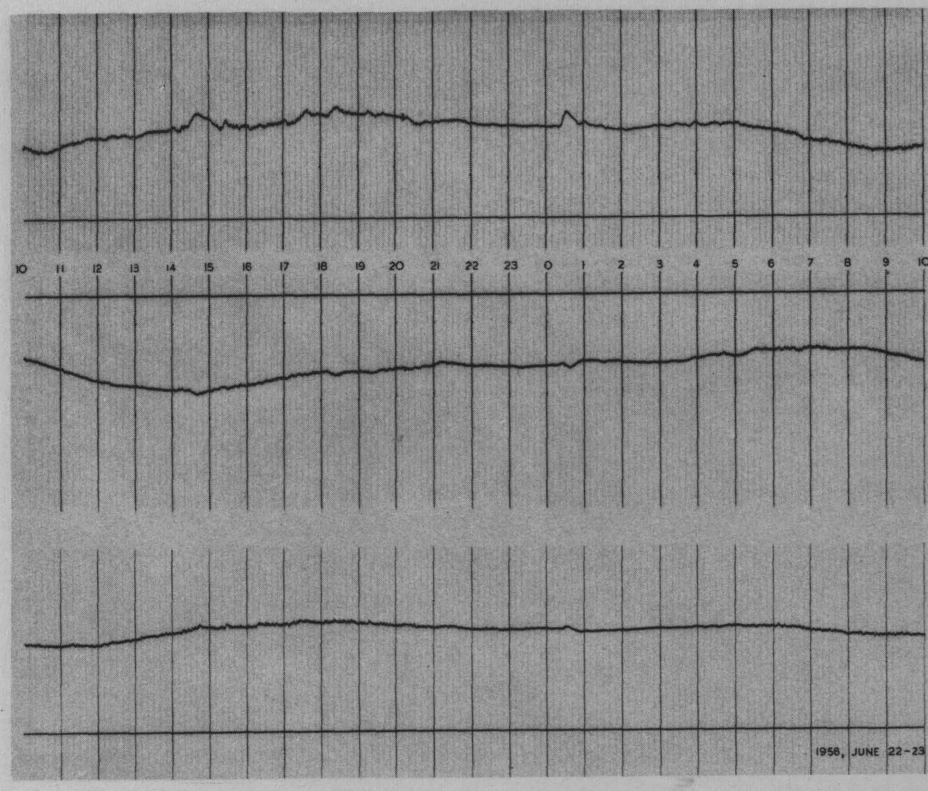



JUNE 20–21

1956

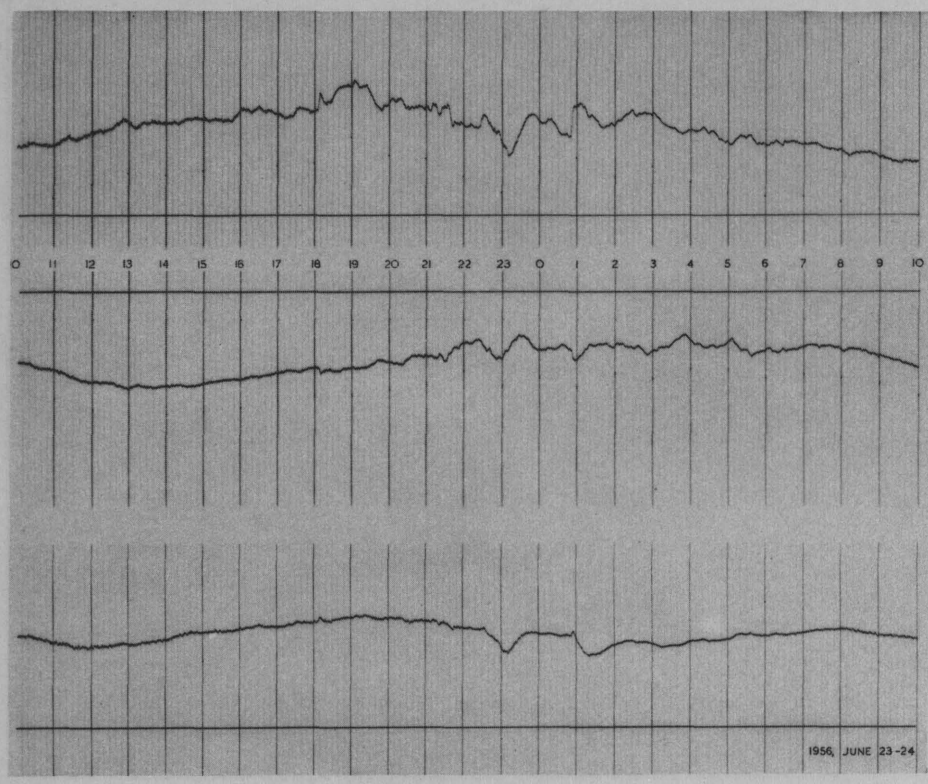



JUNE 21–22

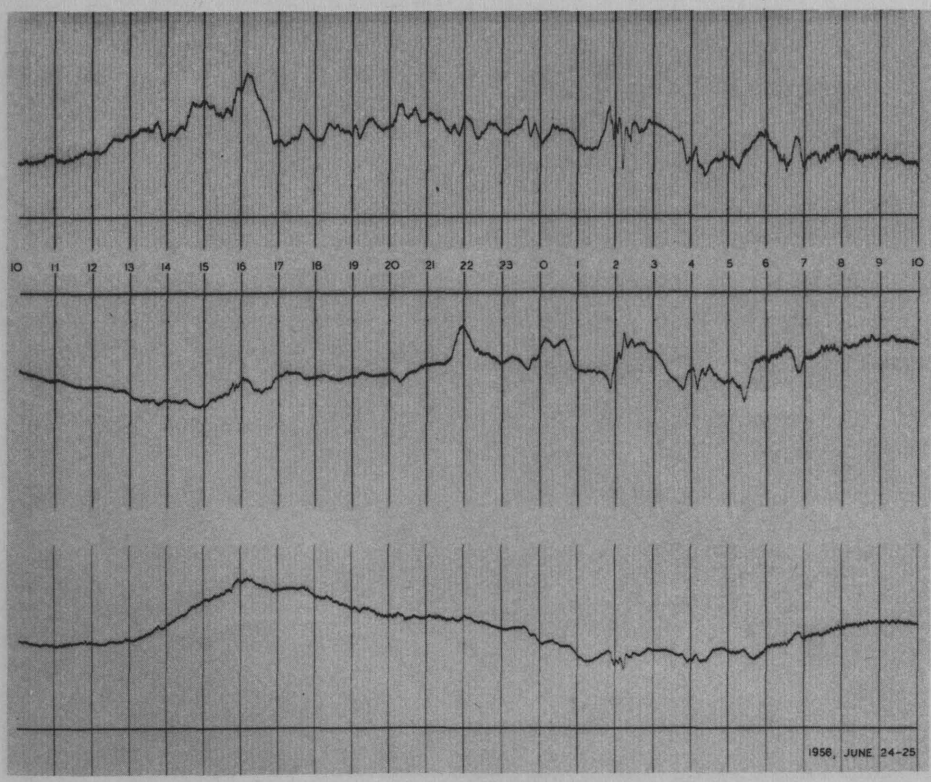



JUNE 22–23

1956

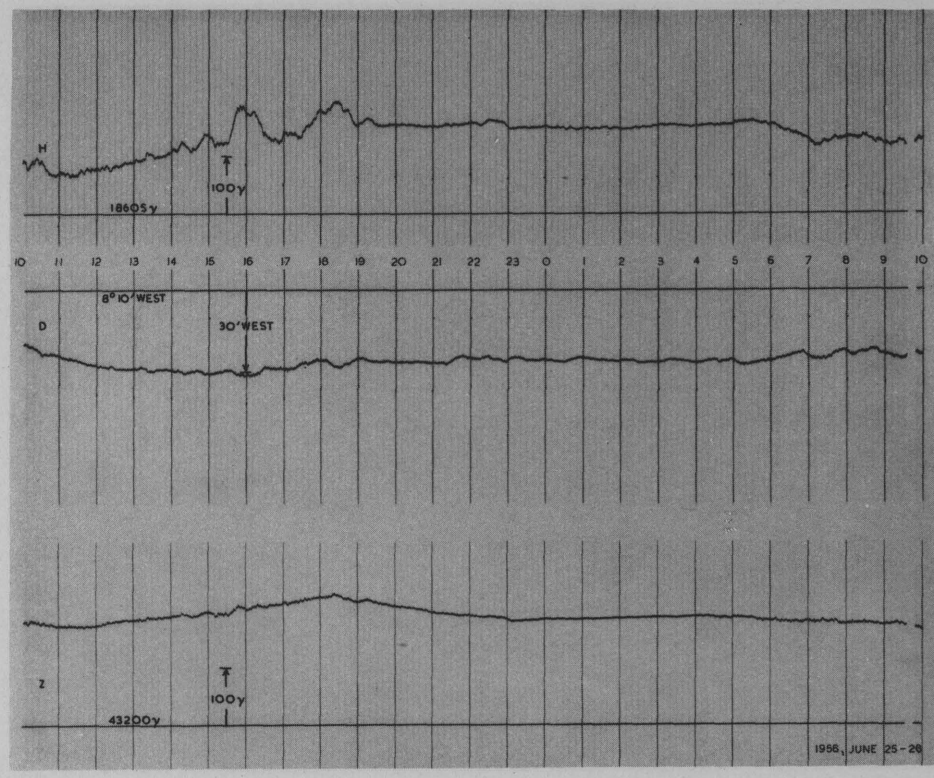



JUNE 23–24

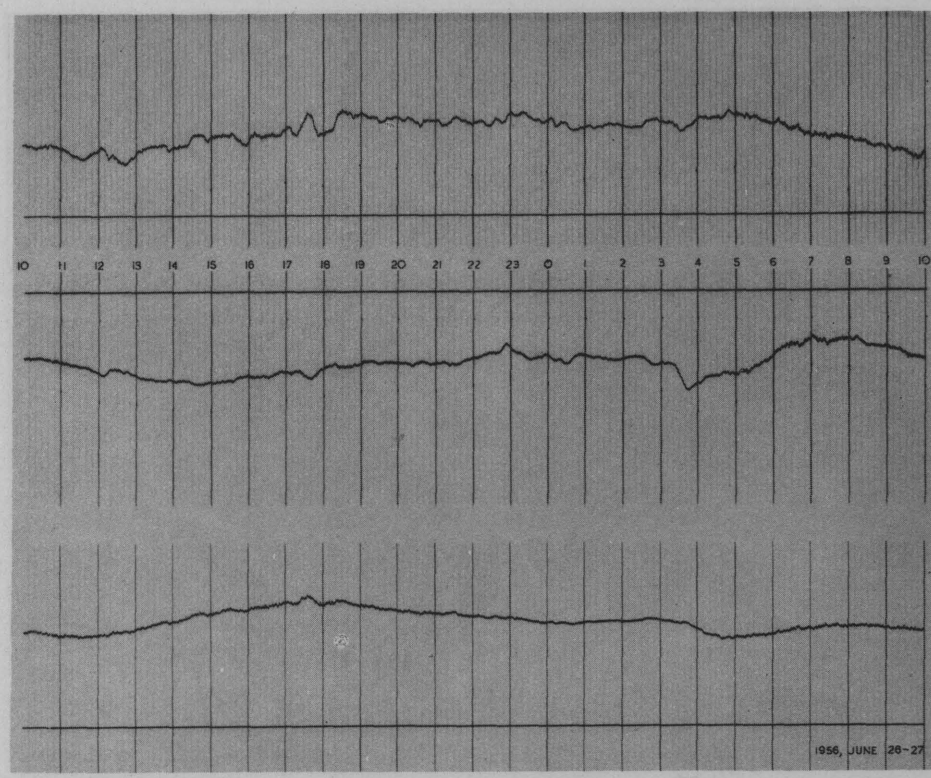



JUNE 24–25

1956

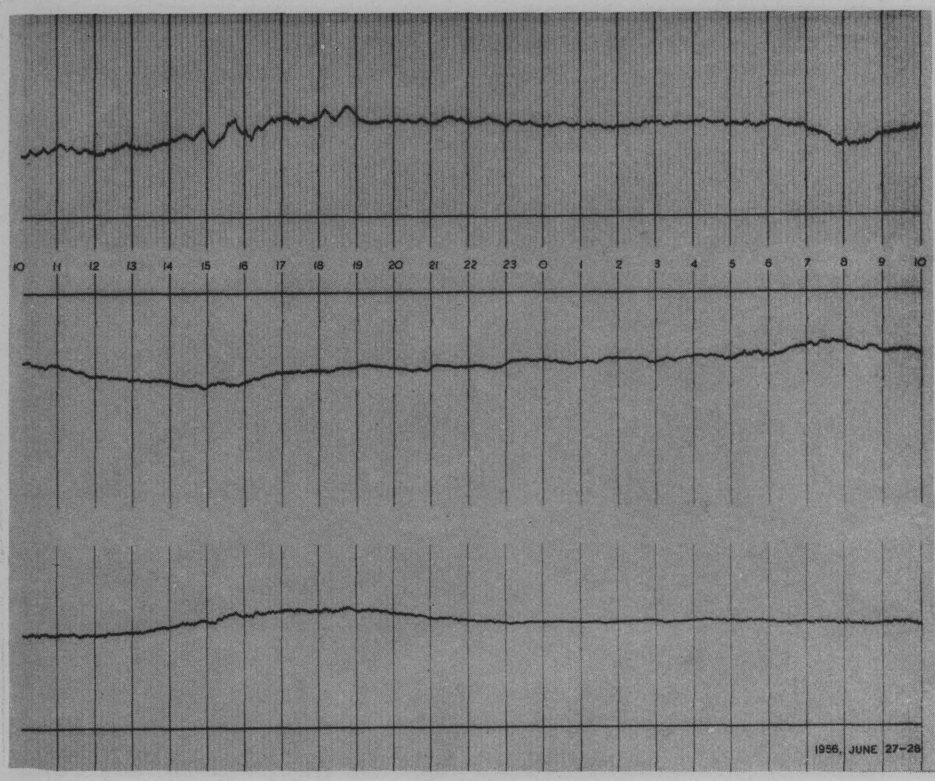



JUNE 25–26

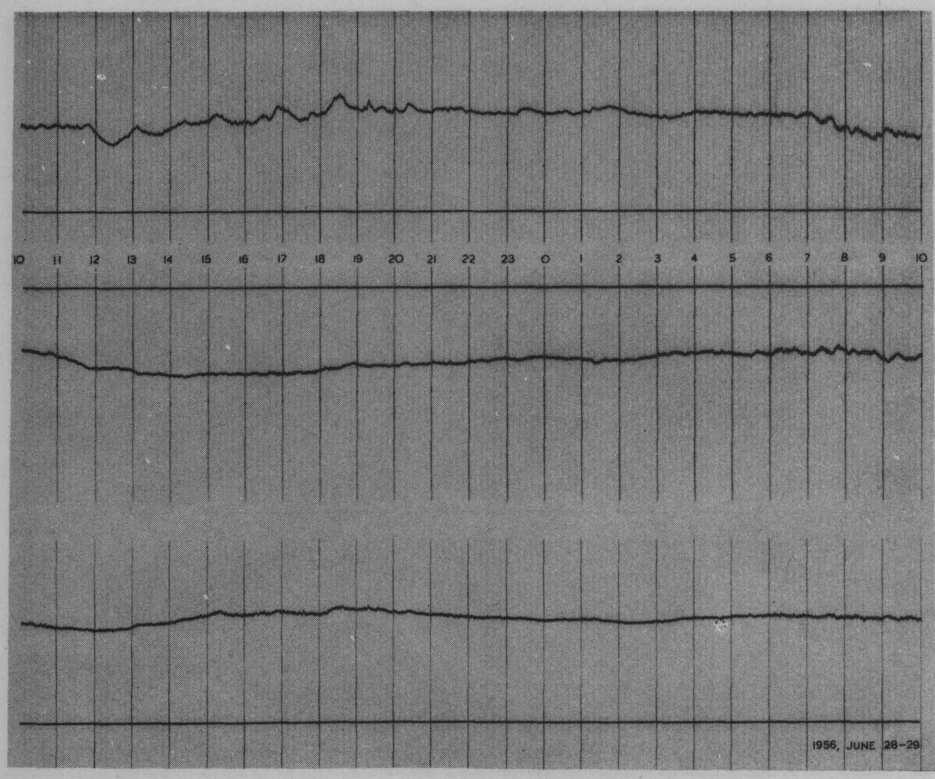



JUNE 26–27

1956

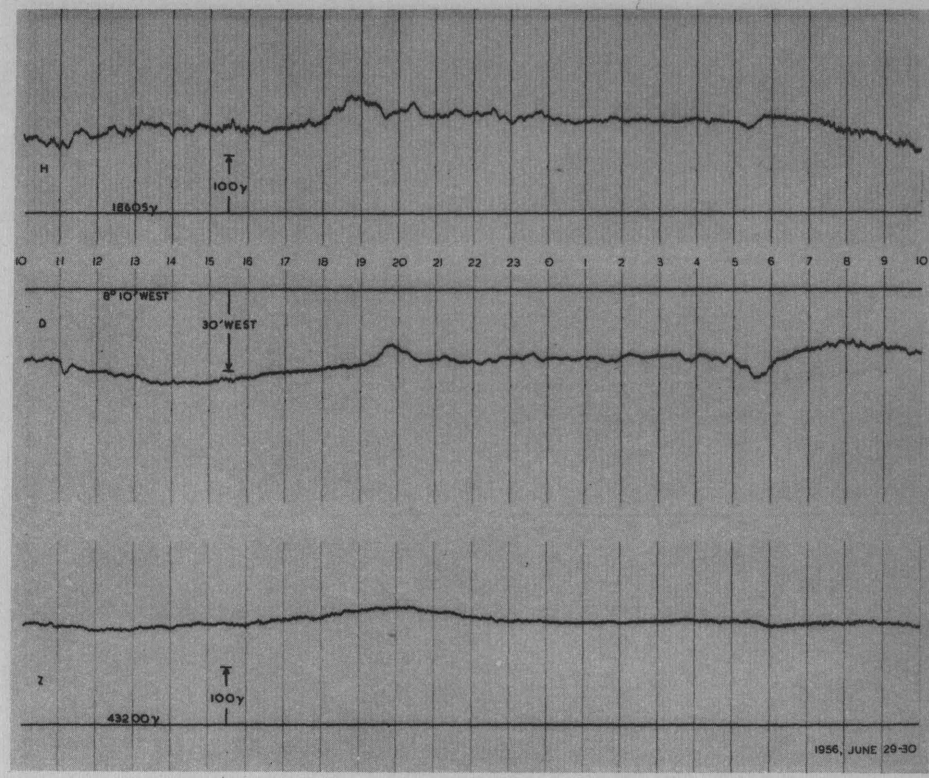



JUNE 27–28

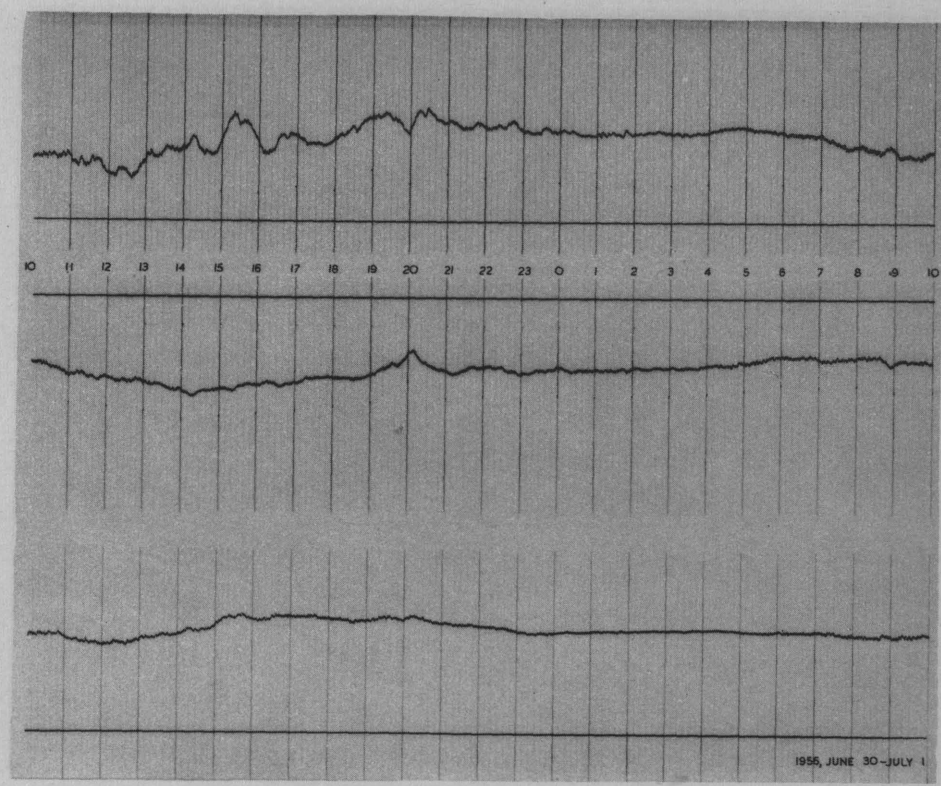



JUNE 28–29

1956

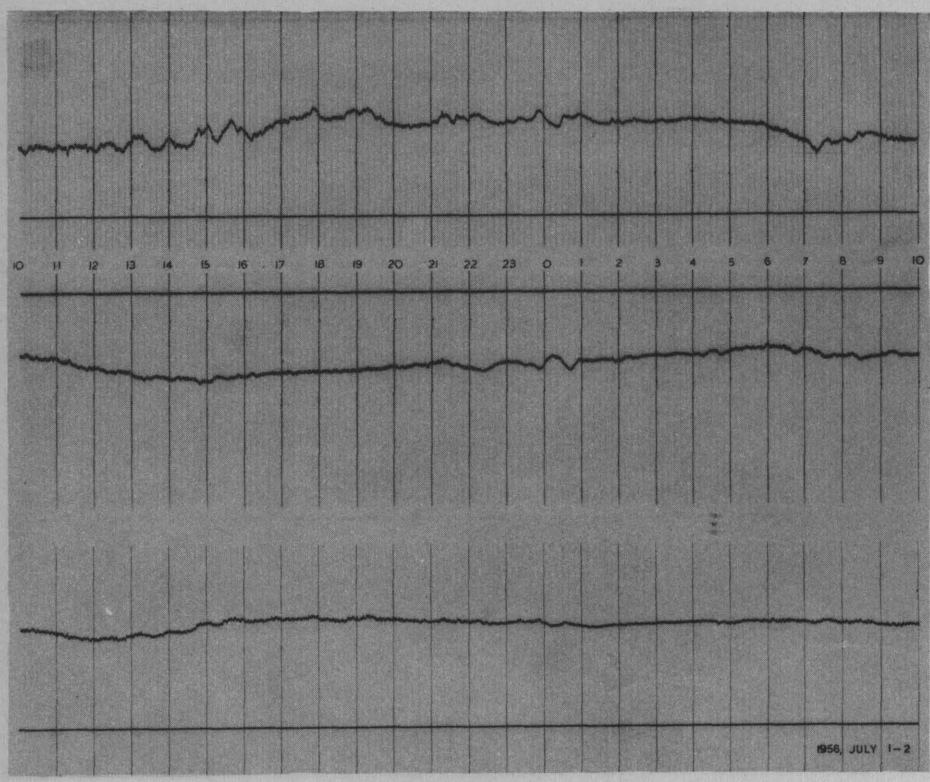



JUNE 29–30

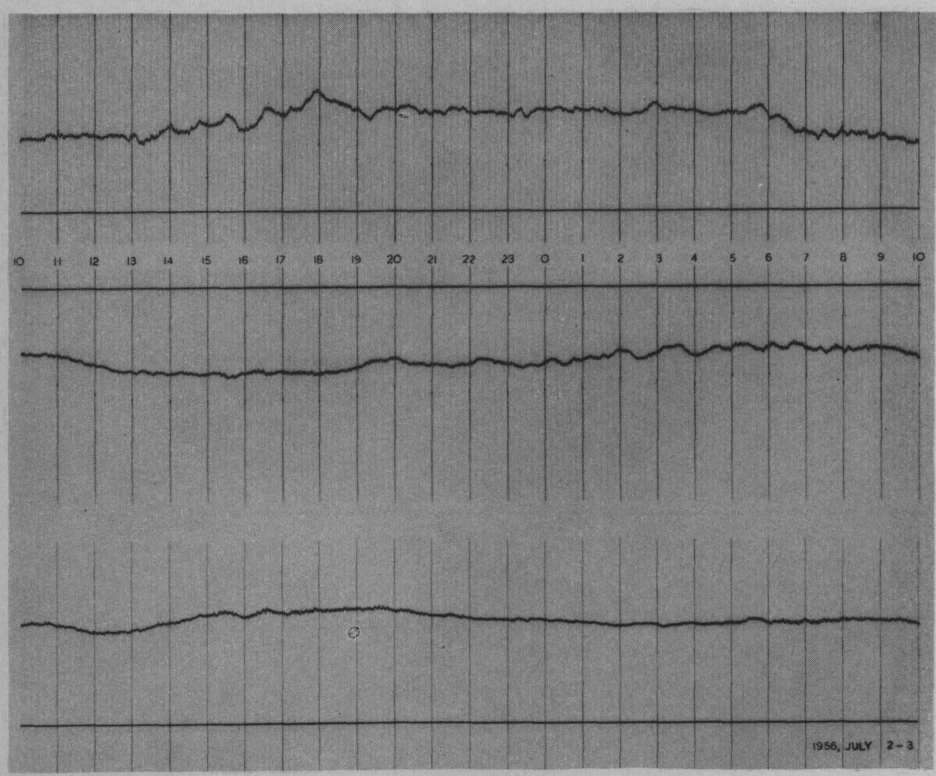



JUN. 30–JUL. 1

1956

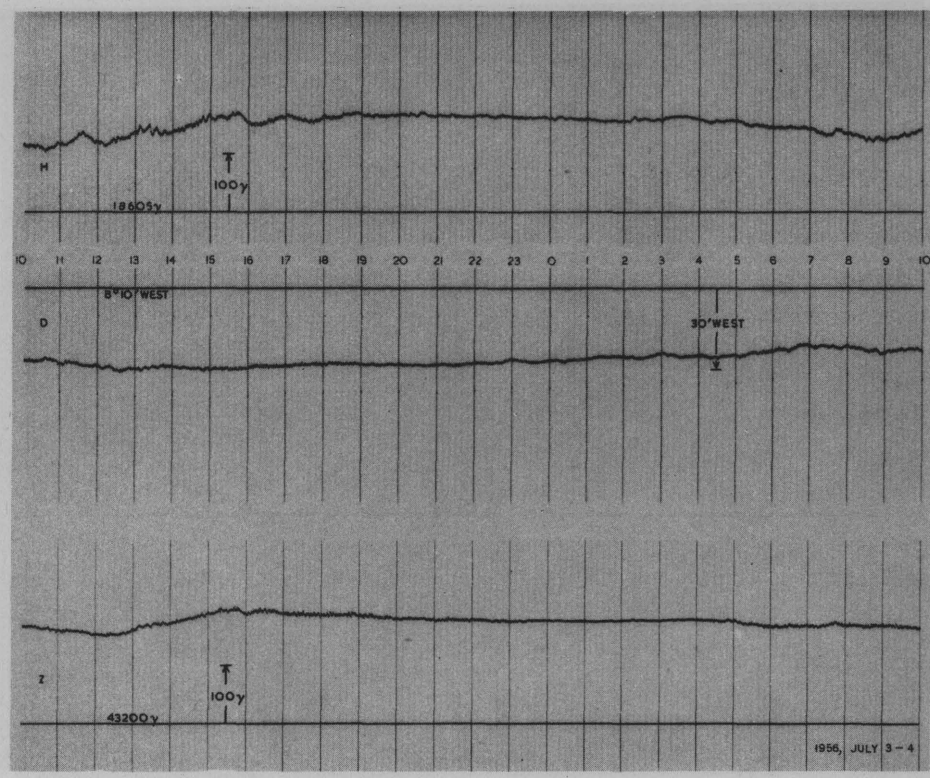



JULY 1–2

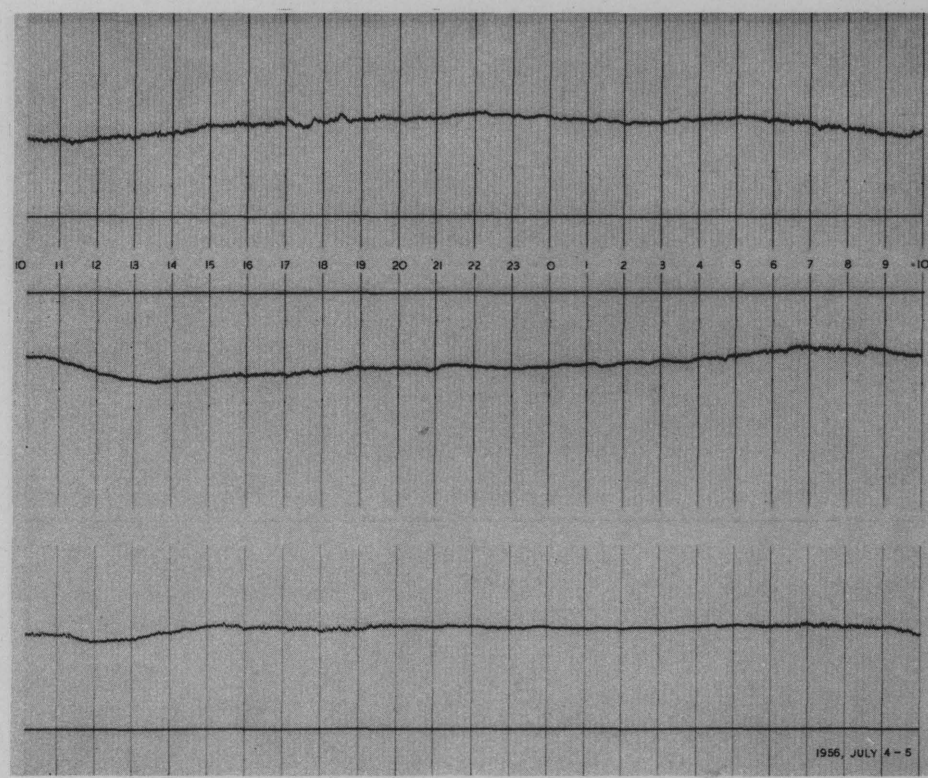



JULY 2–3

1956

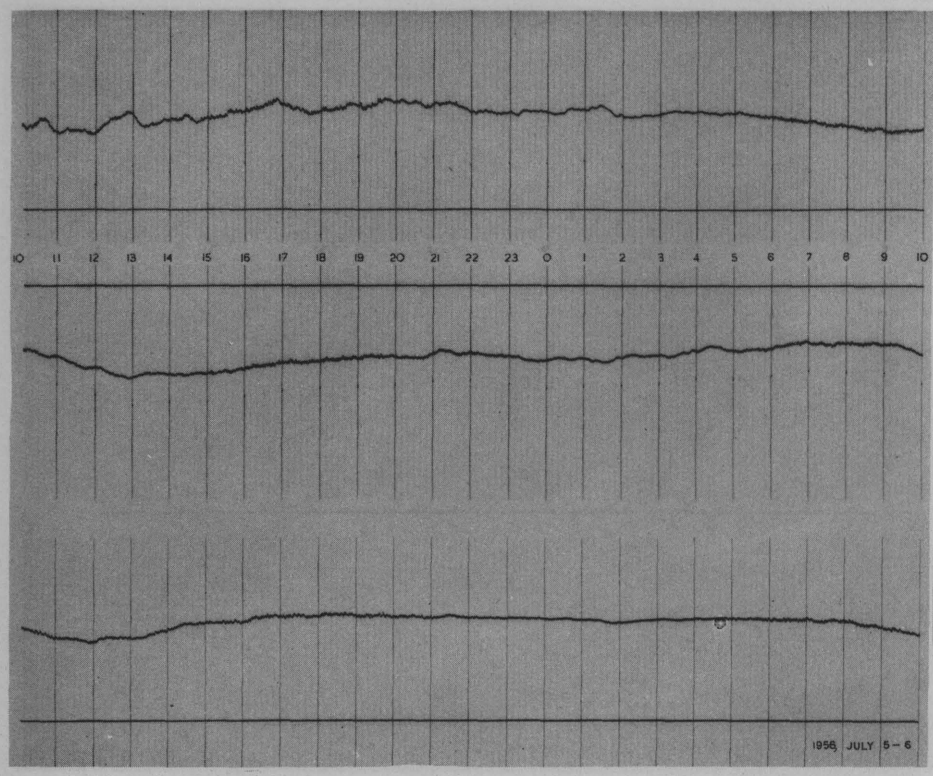



JULY 3–4

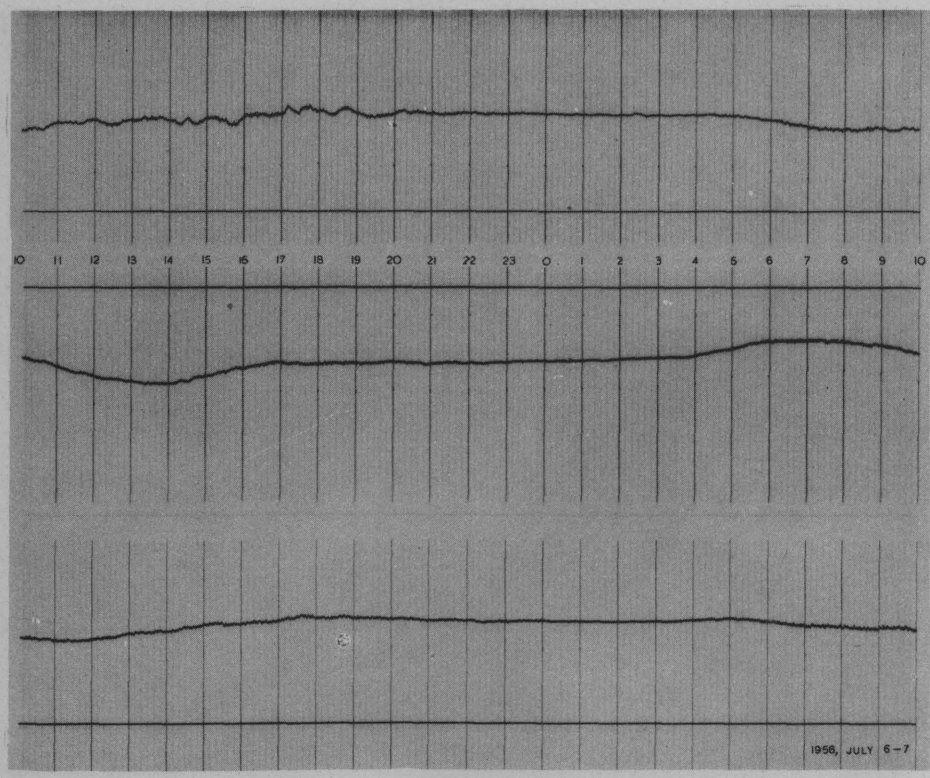



JULY 4–5

1956

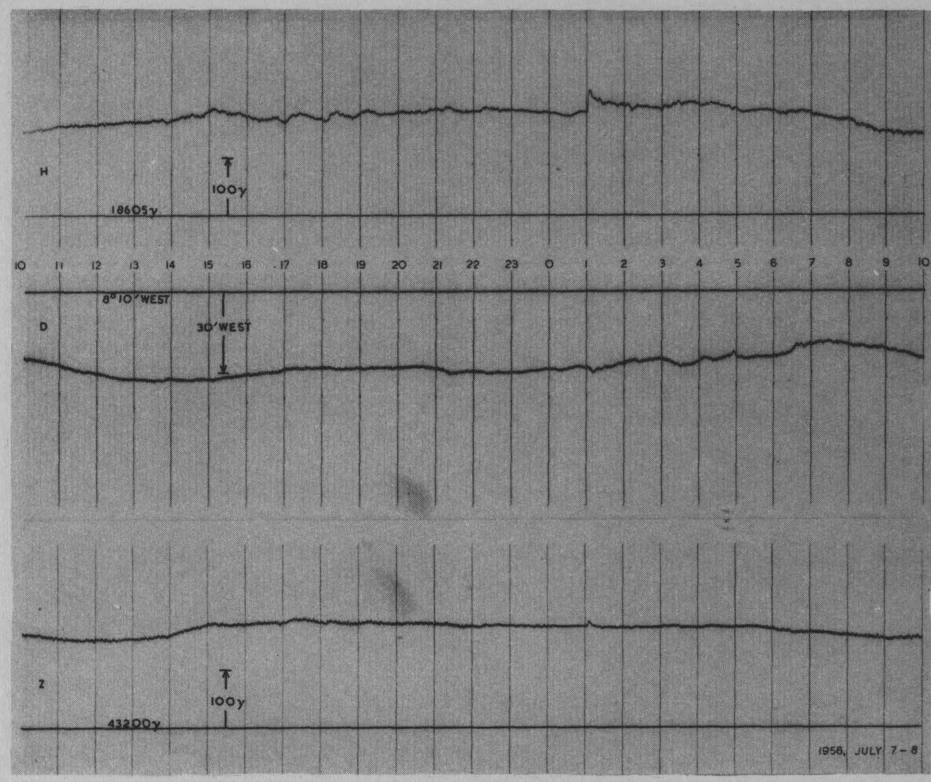



JULY 5–6

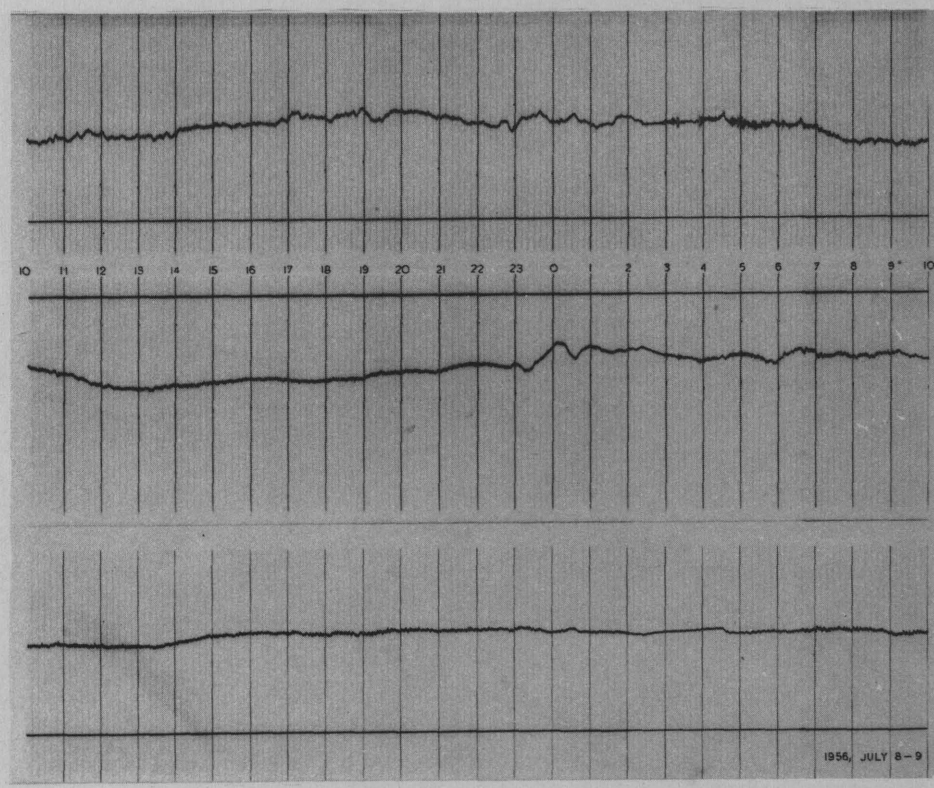



JULY 6–7

1956

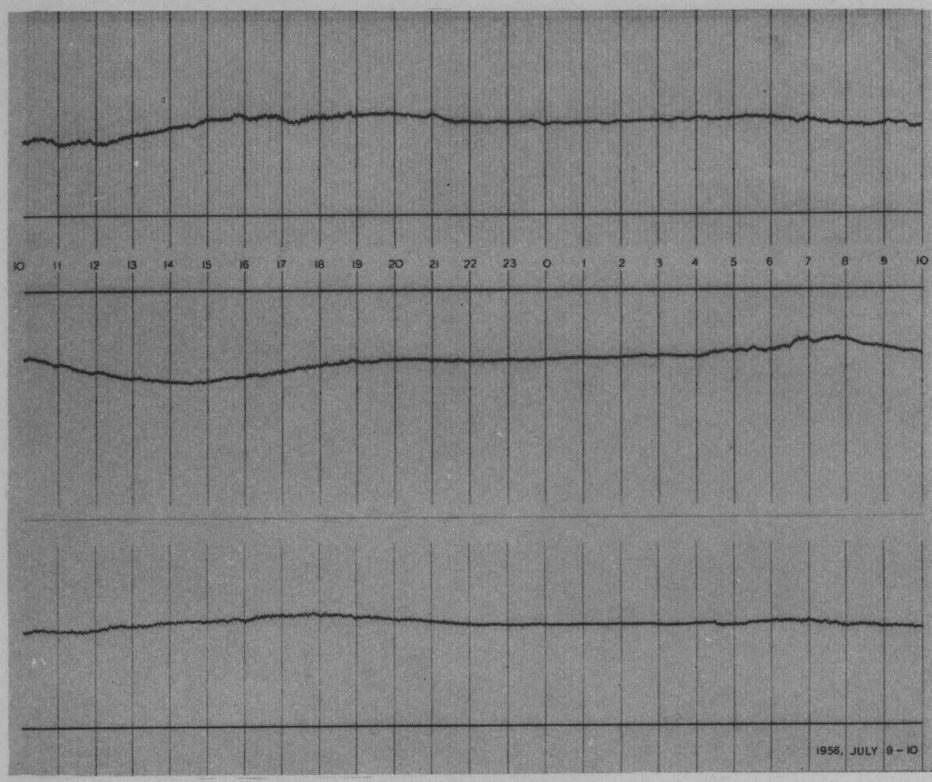



JULY 7–8

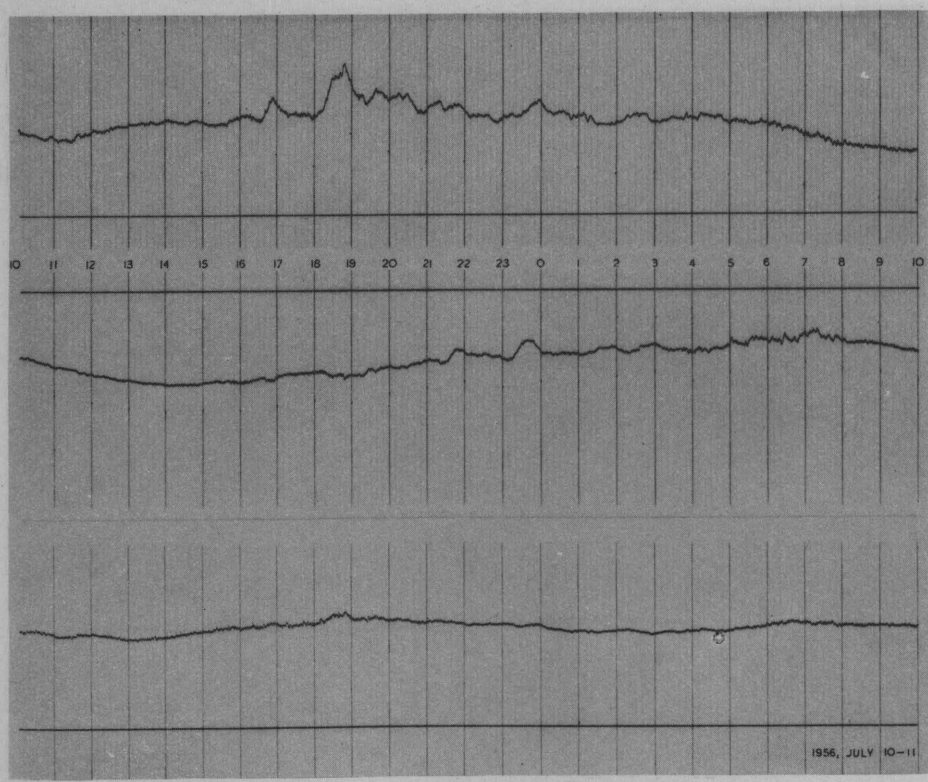



JULY 8–9

1956

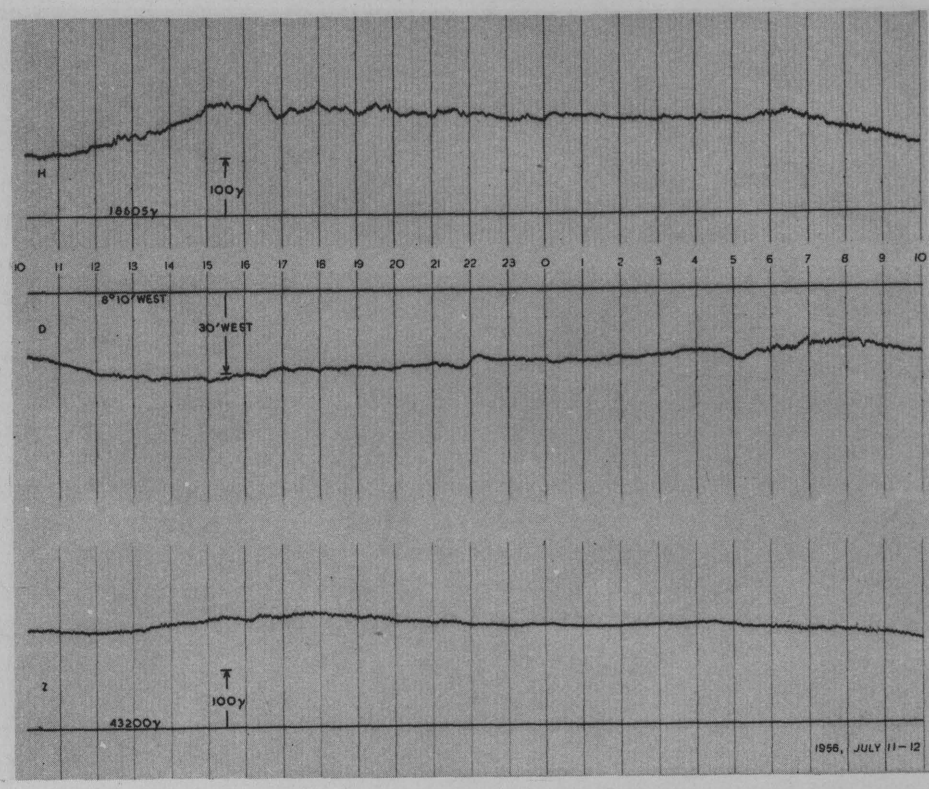



JULY 9–10

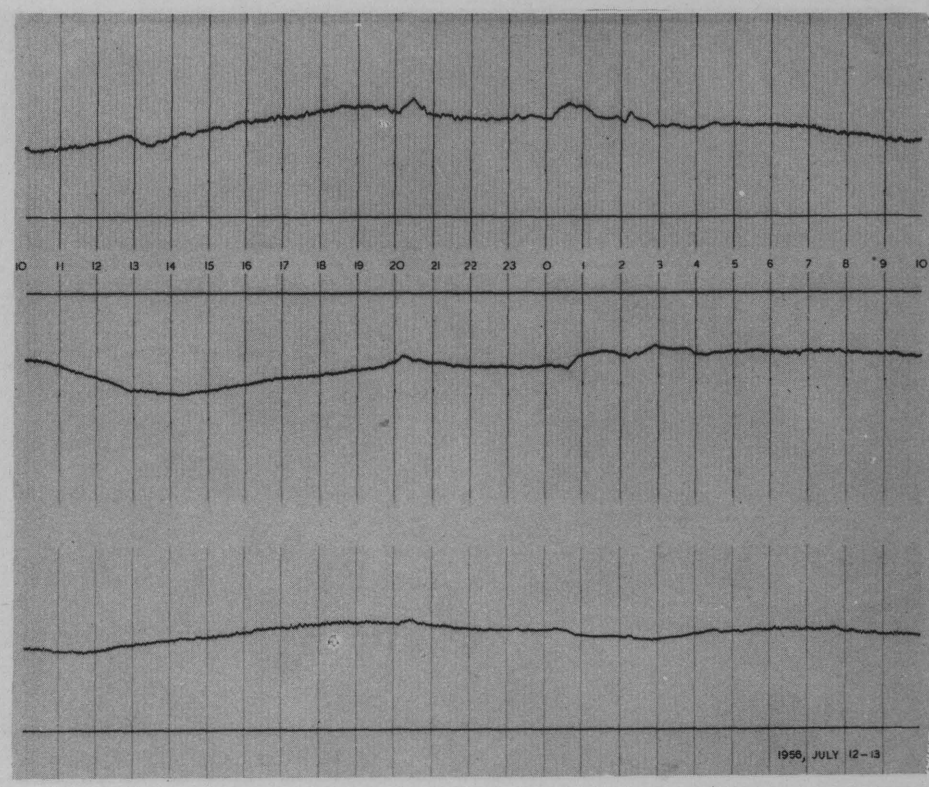



JULY 10–11

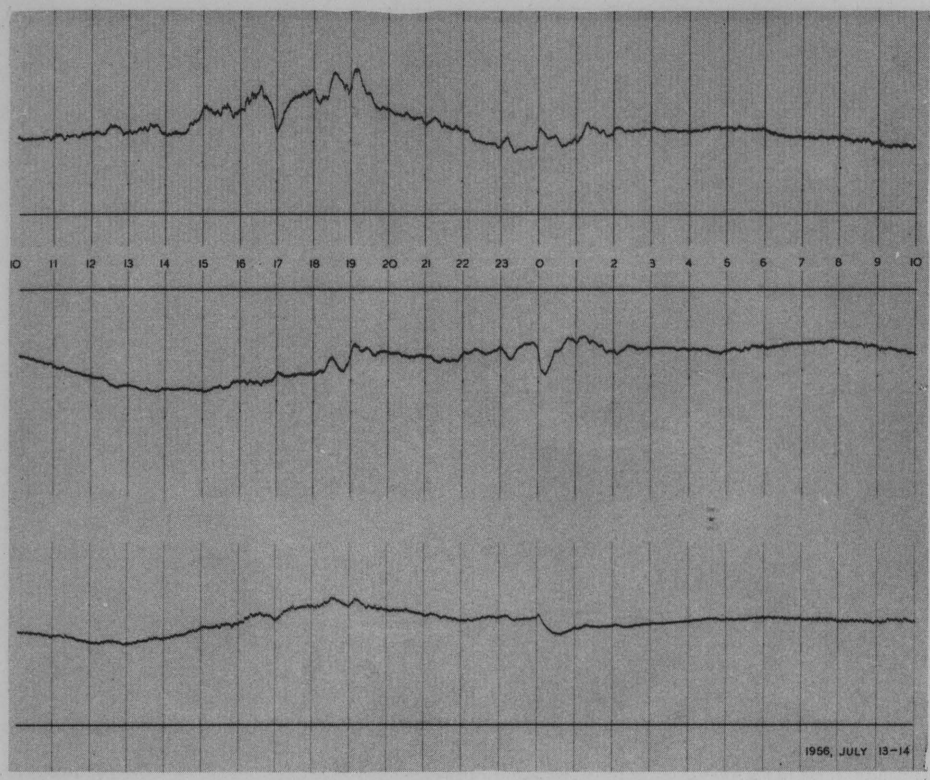
1956




JULY 11–12

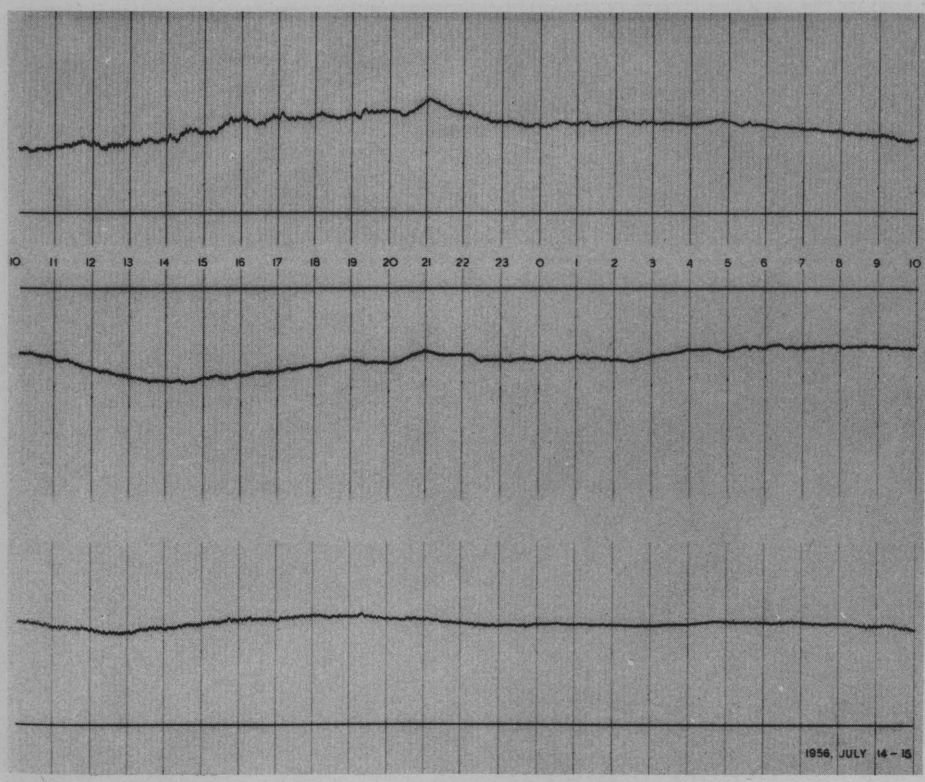



JULY 12–13



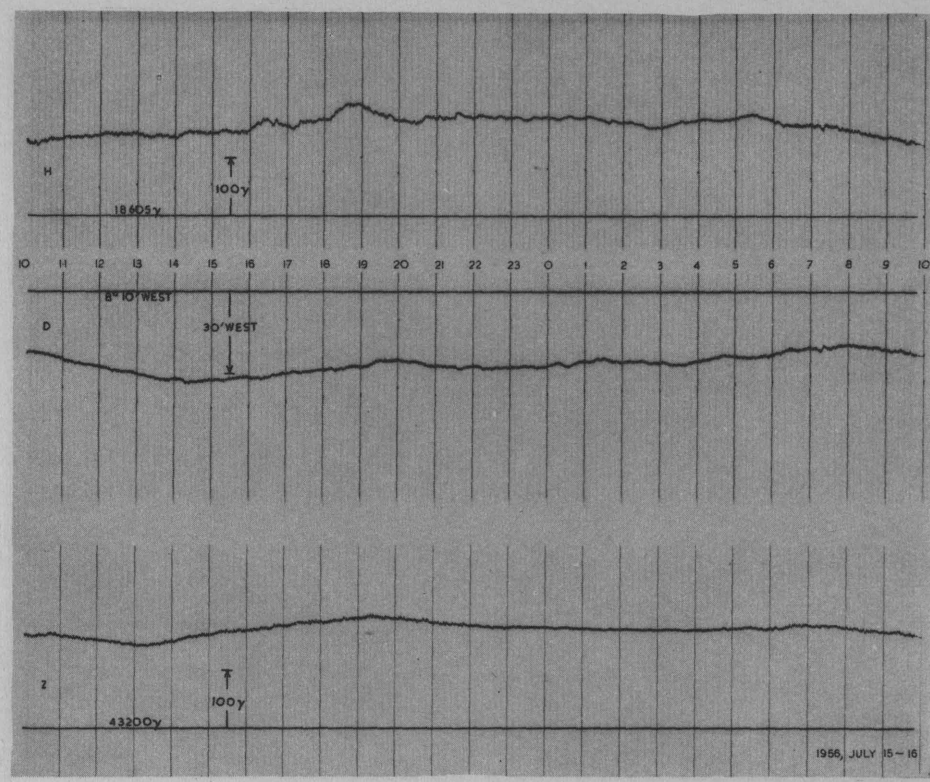

1956

JULY 13–14

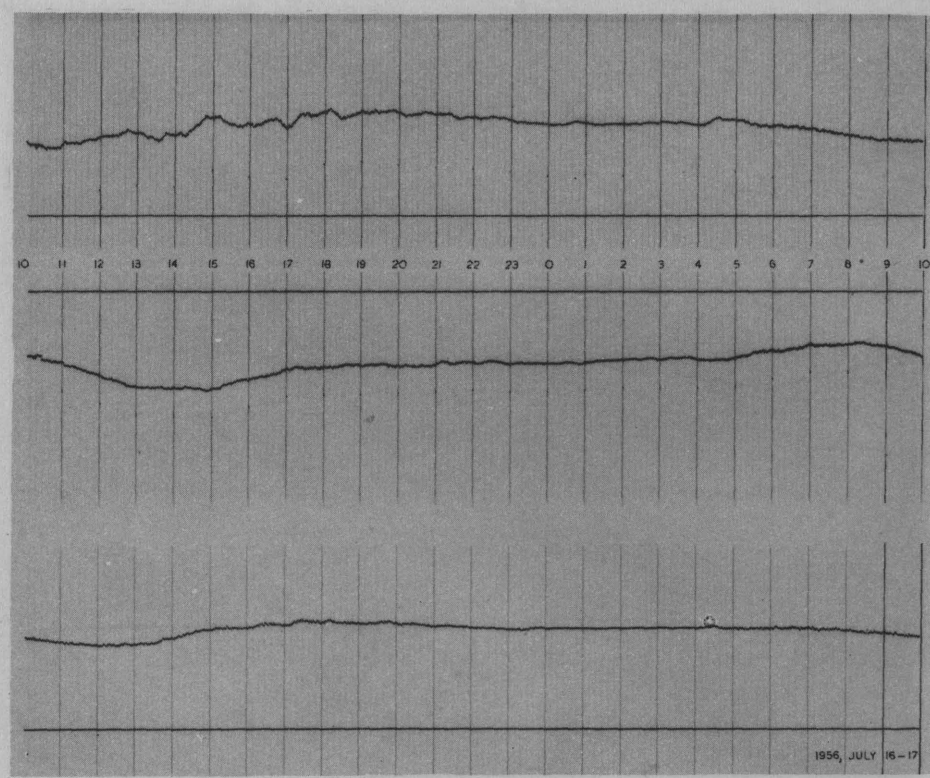



JULY 14–15

1956

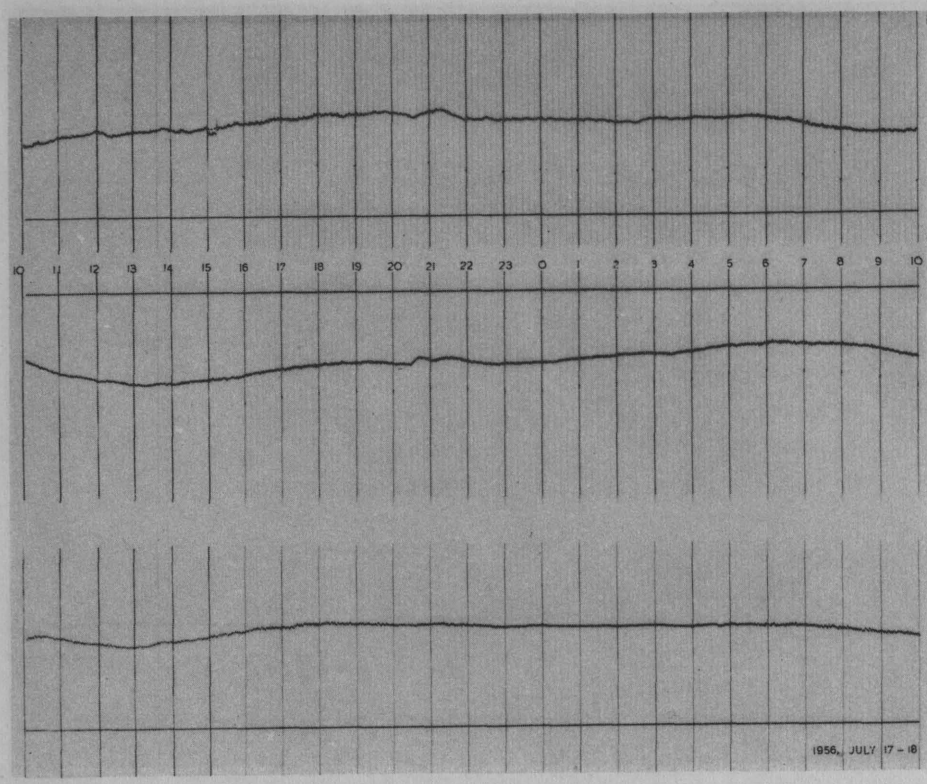



JULY 15–16

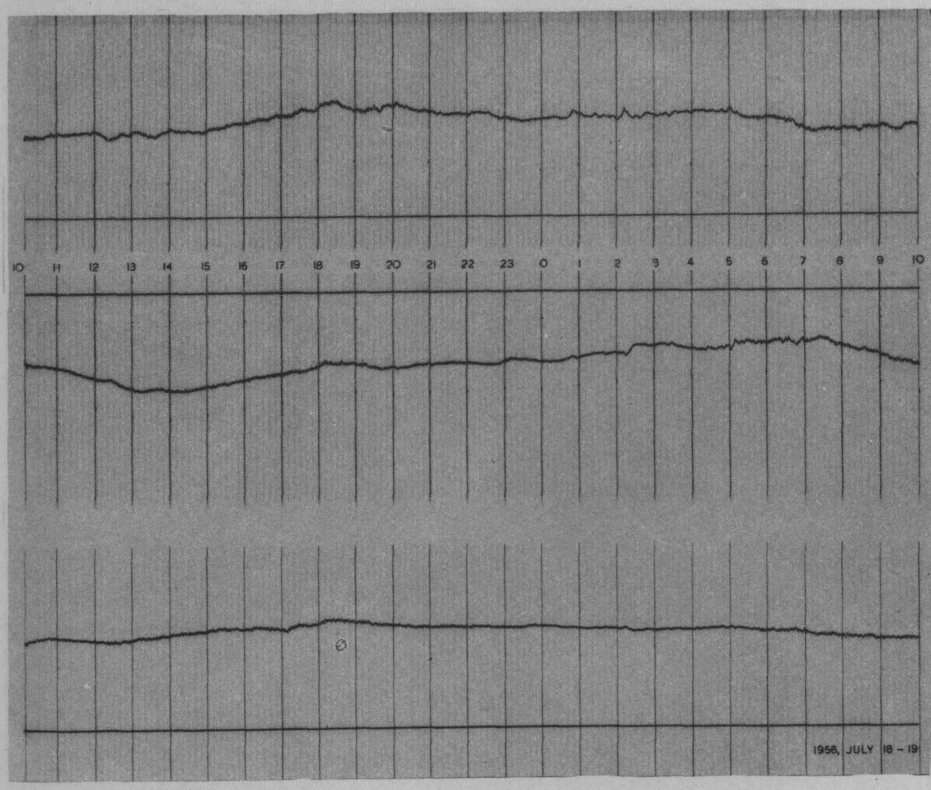



JULY 16–17

1956

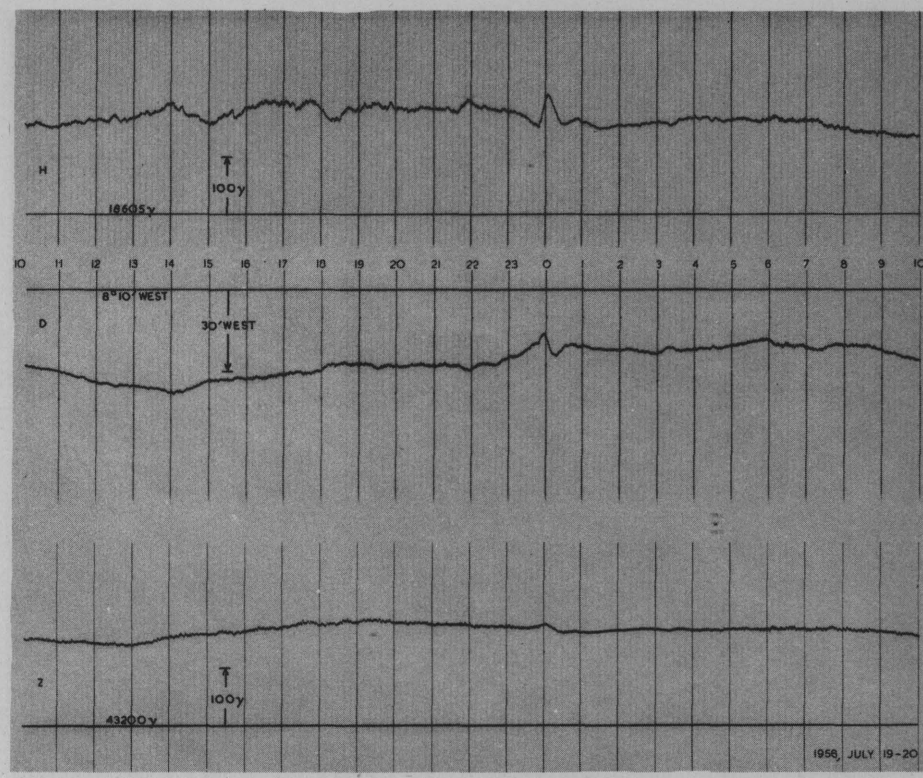



JULY 17–18

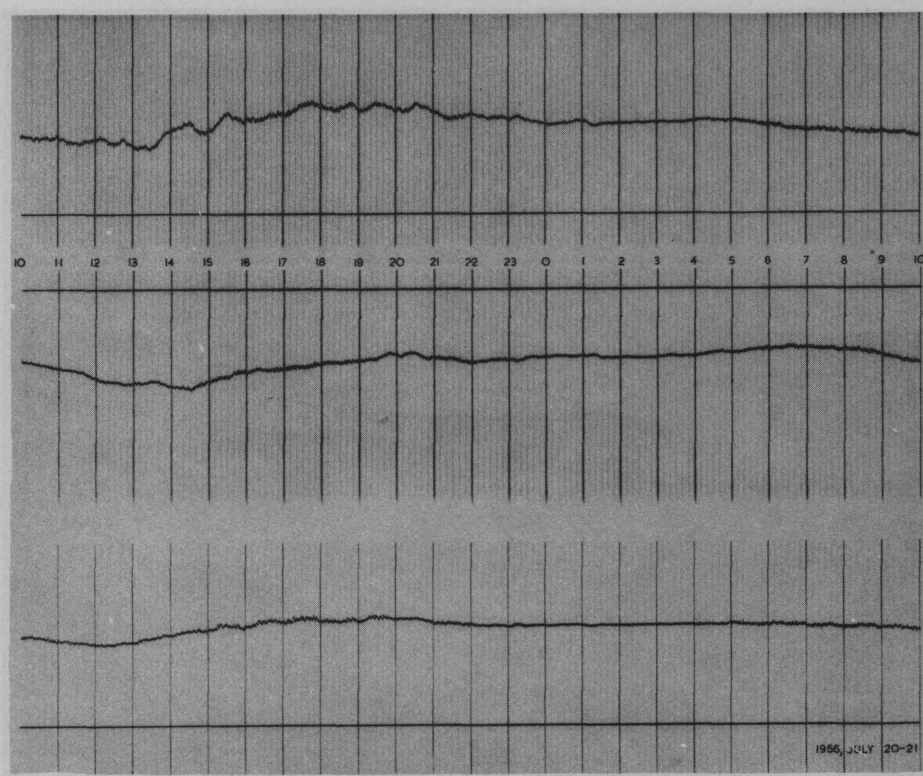



JULY 18–19

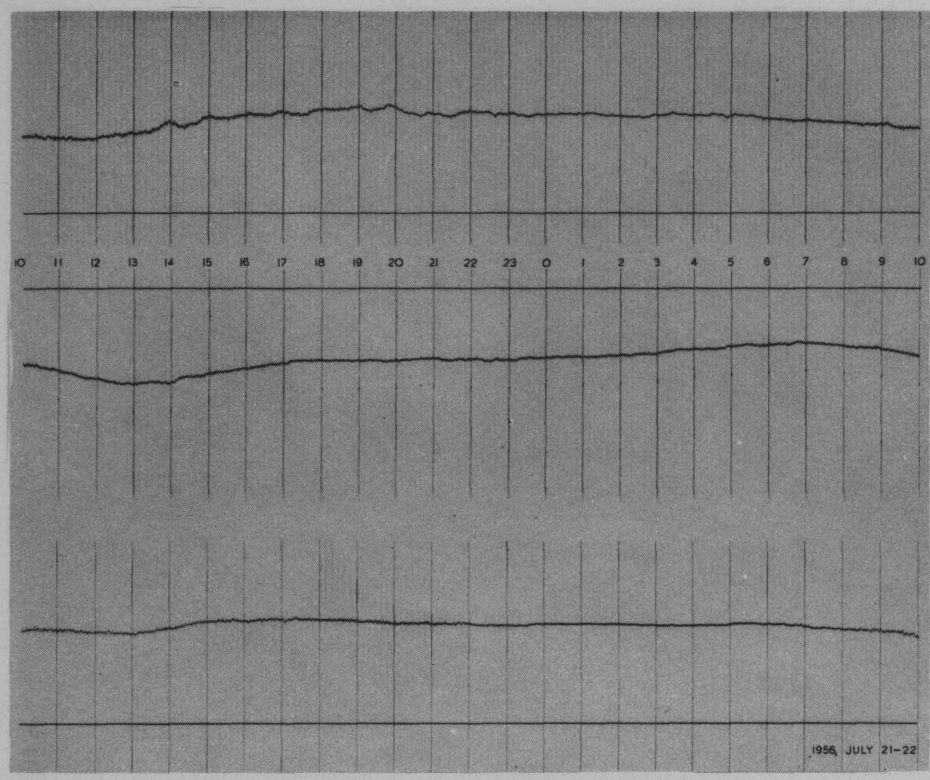
1956




JULY 19–20

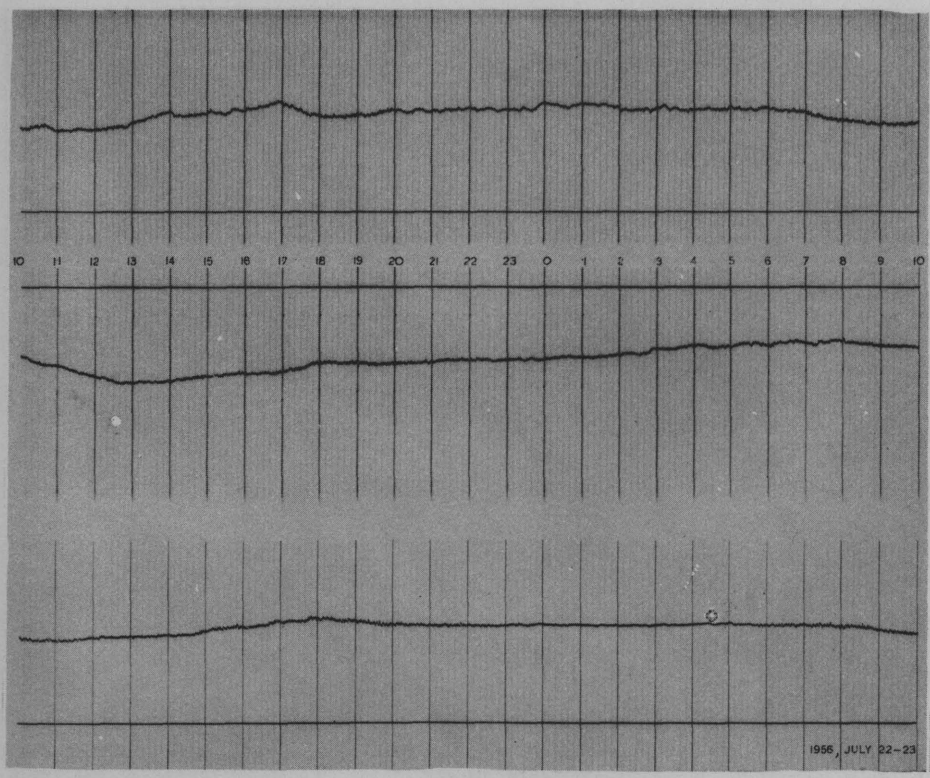



JULY 20–21



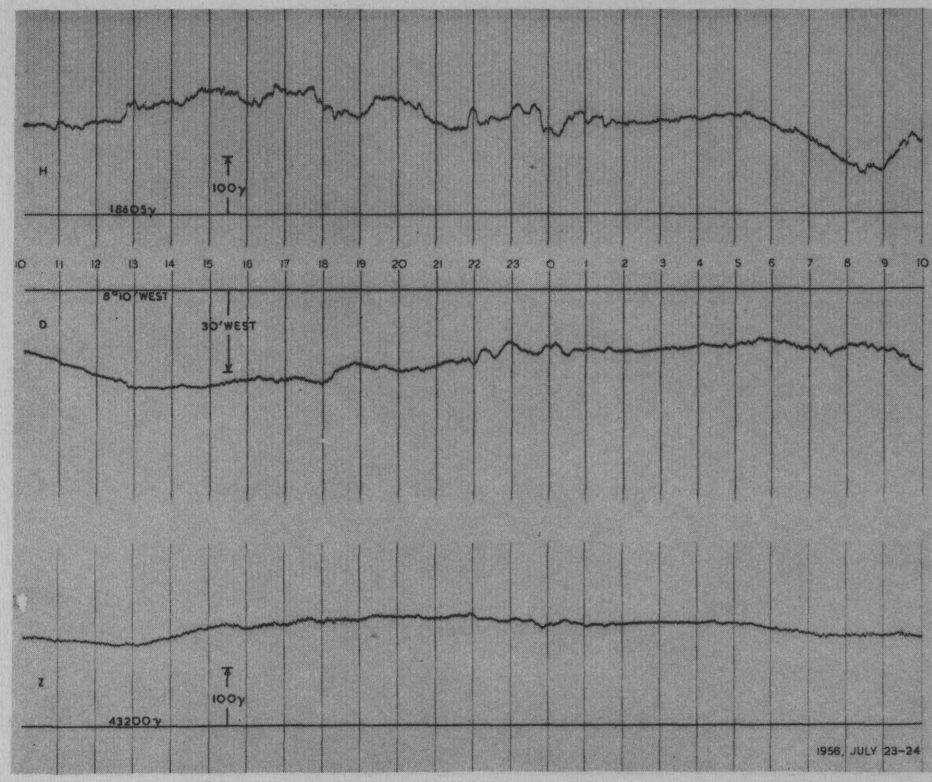

1956

JULY 21–22

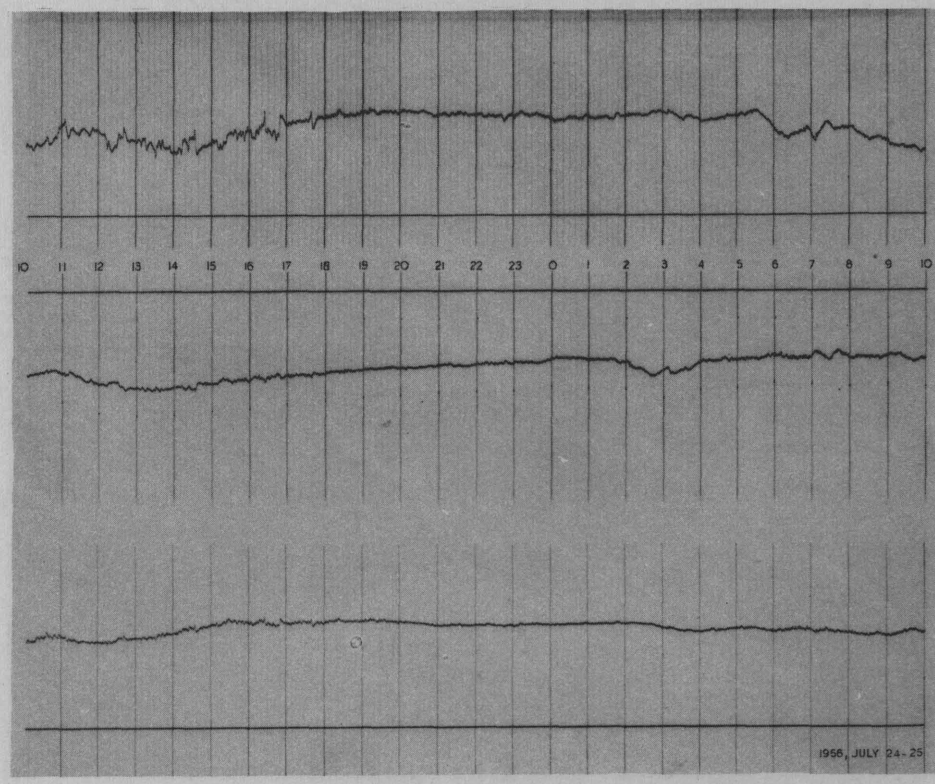



JULY 22–23

1956

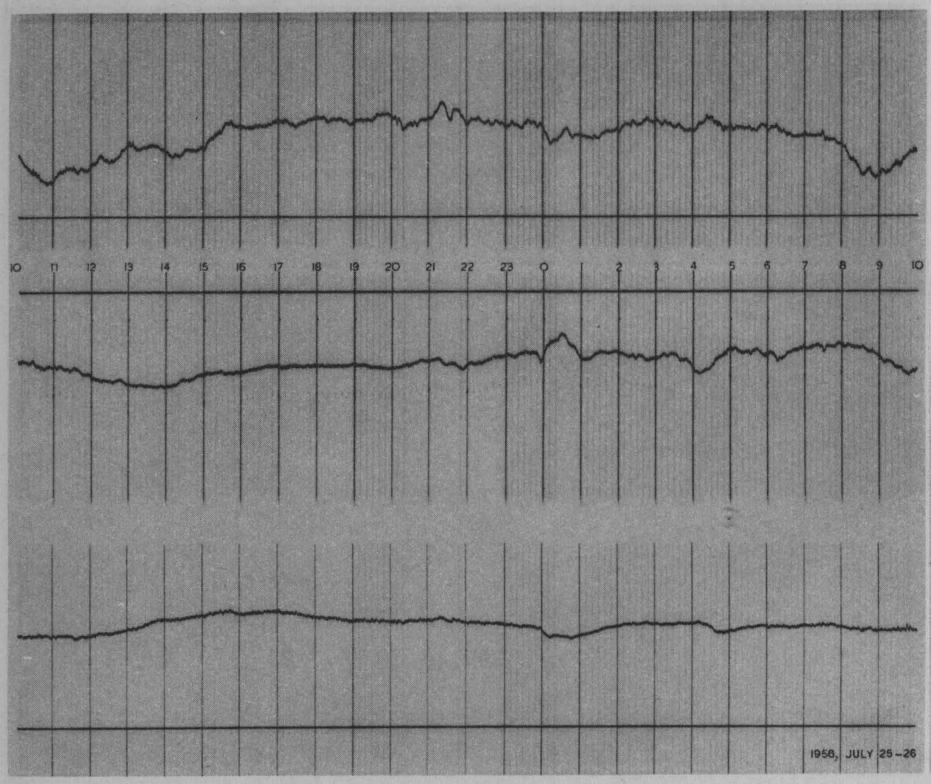



JULY 23–24

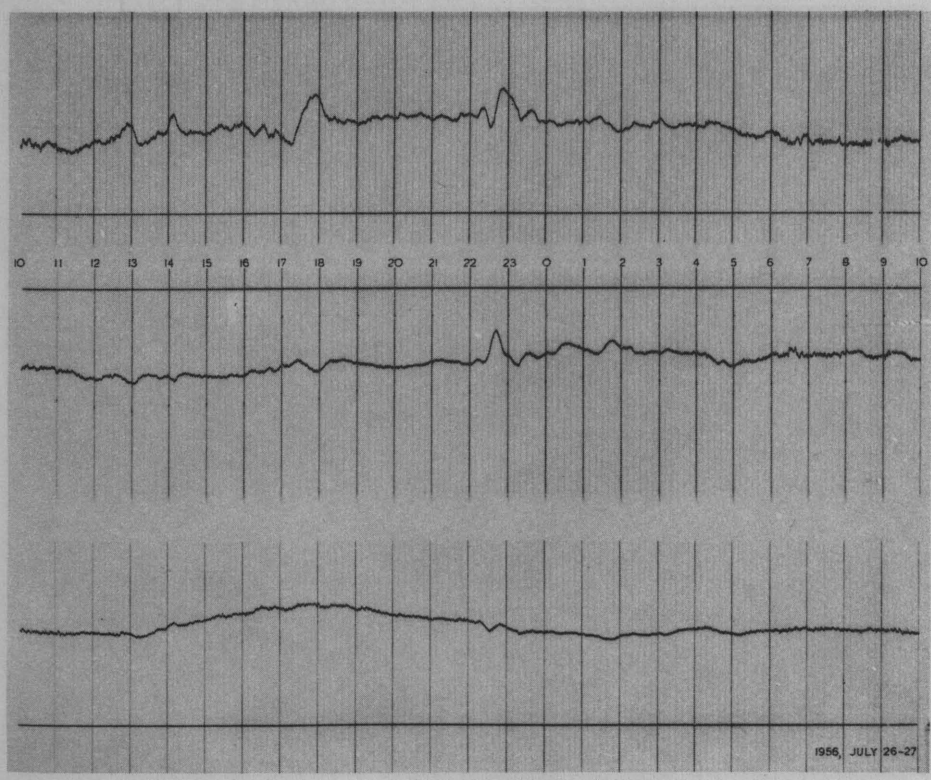



JULY 24–25

1956

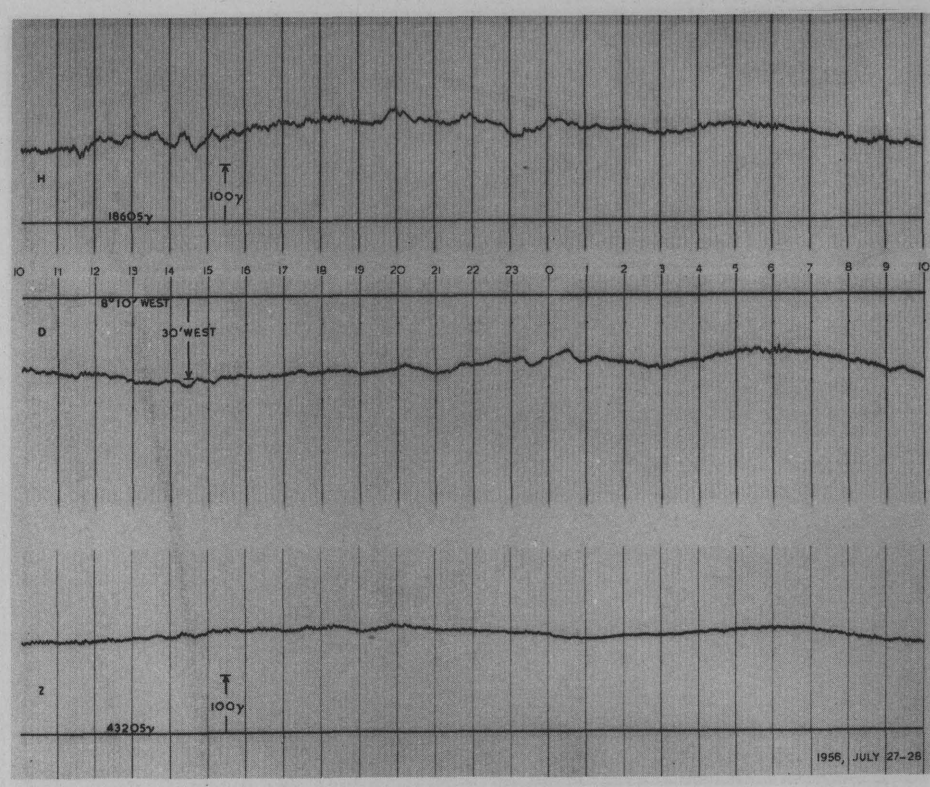



JULY 25–26

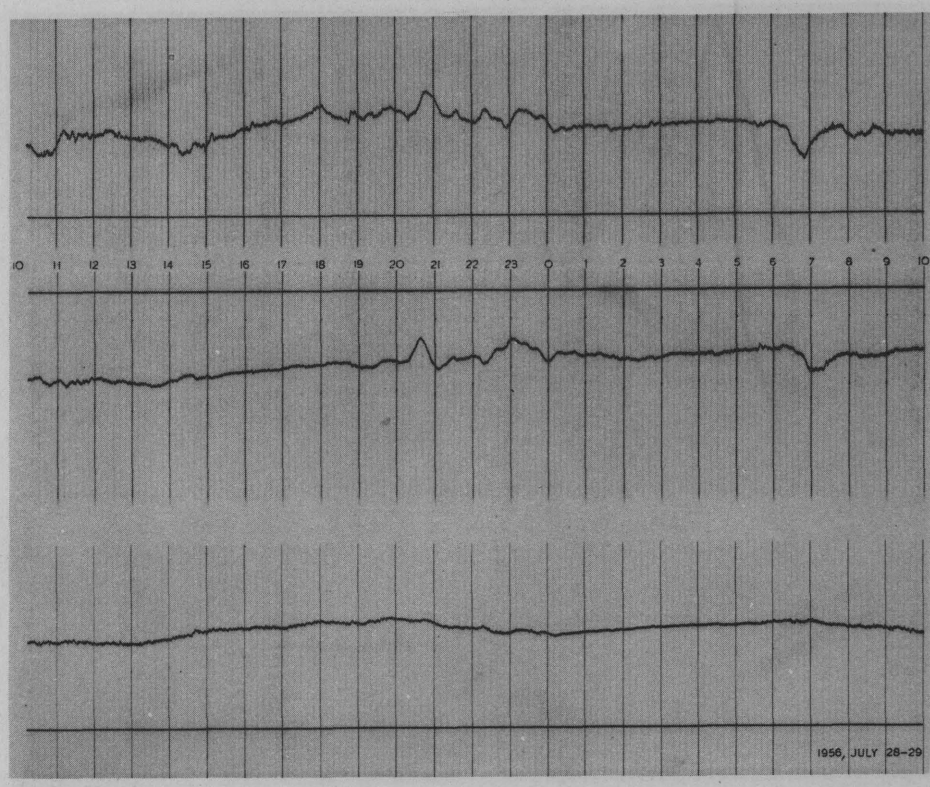



JULY 26–27

1956

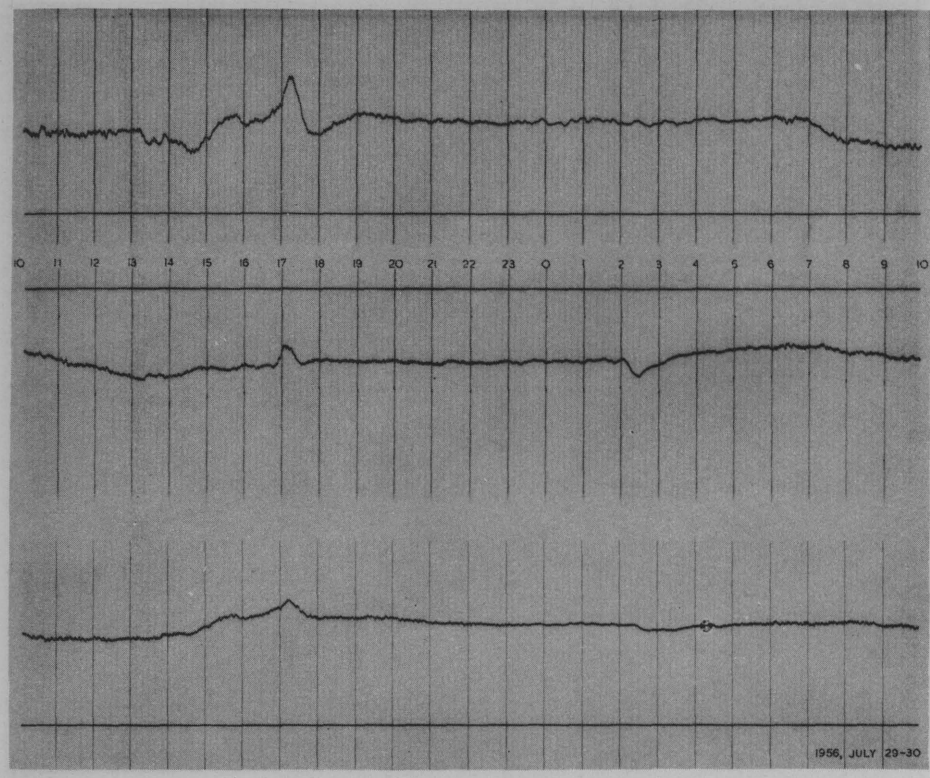



JULY 27–28

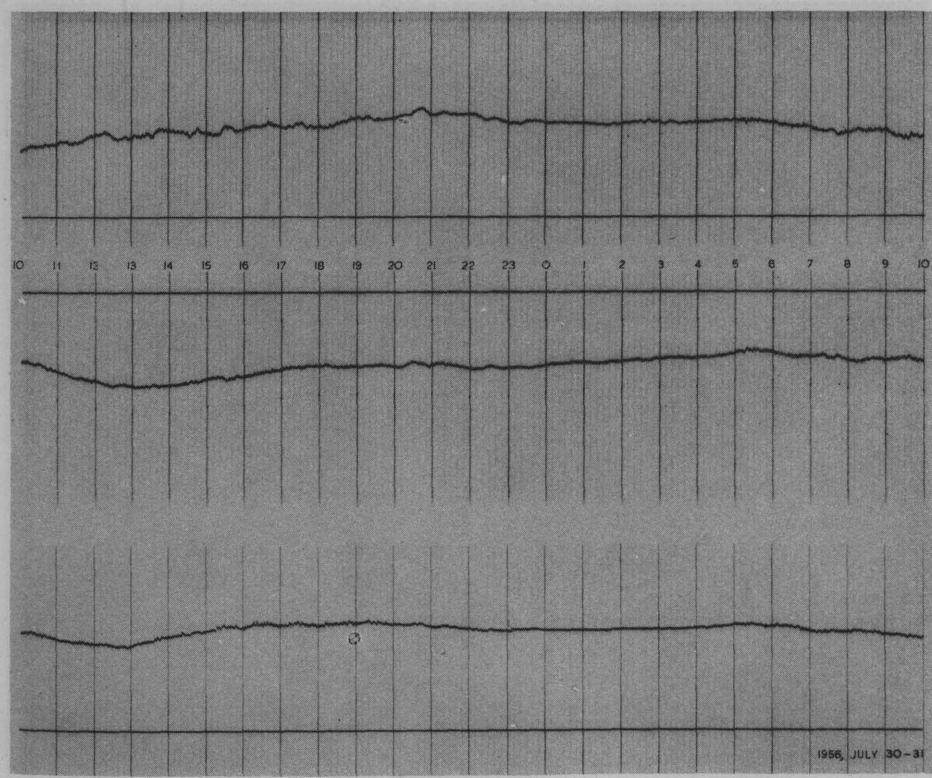



JULY 28–29

1956

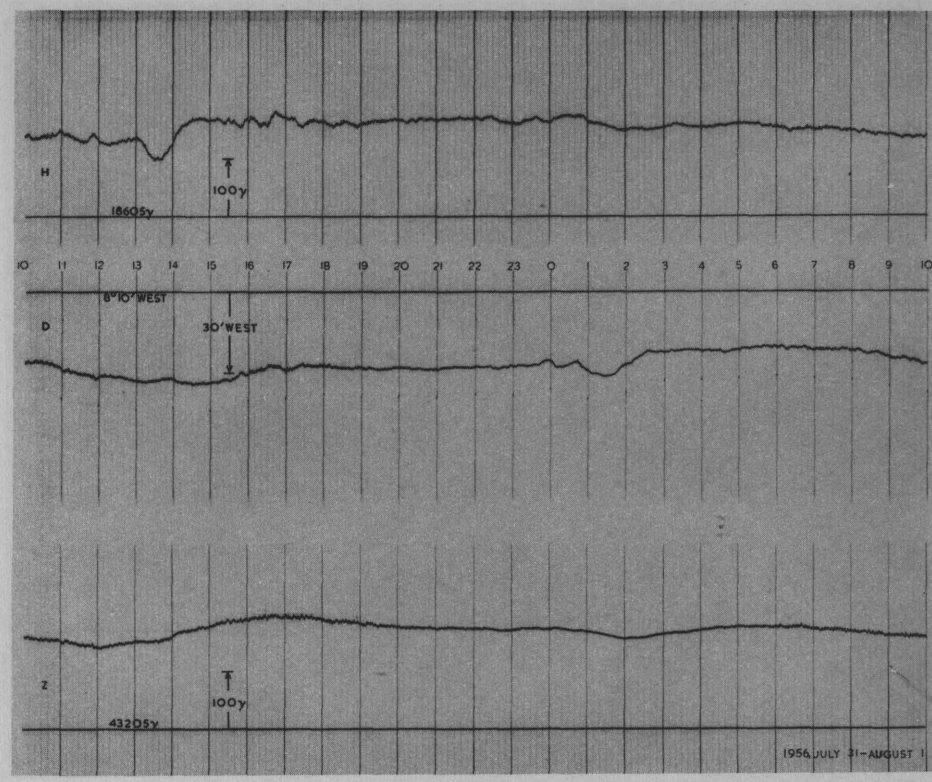



JULY 29–30

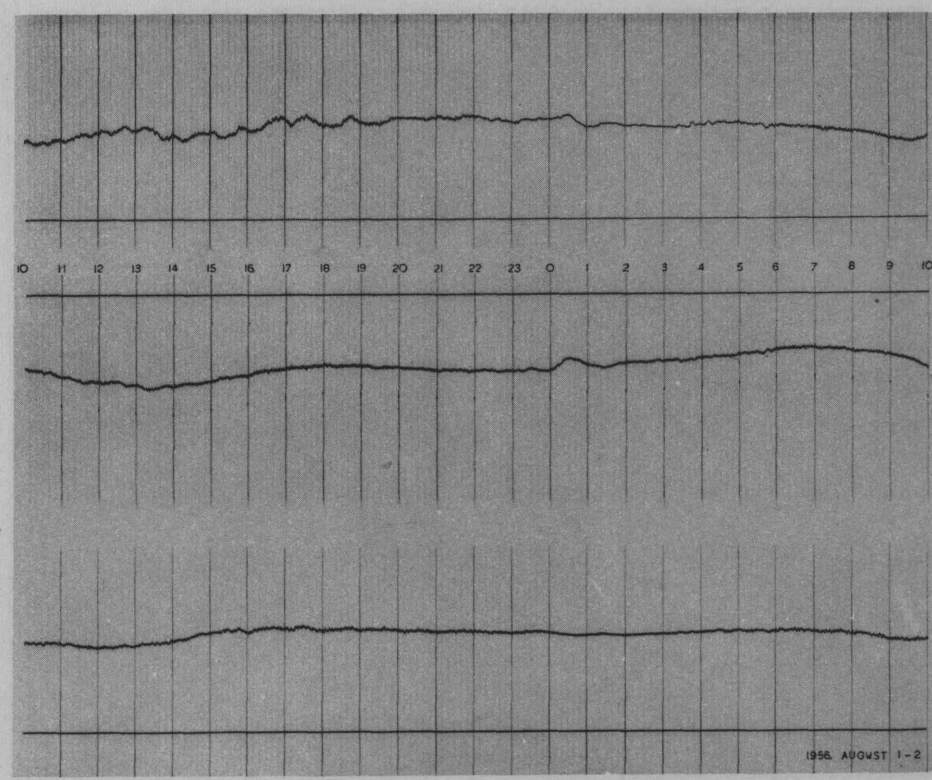



JULY 30–31

1956

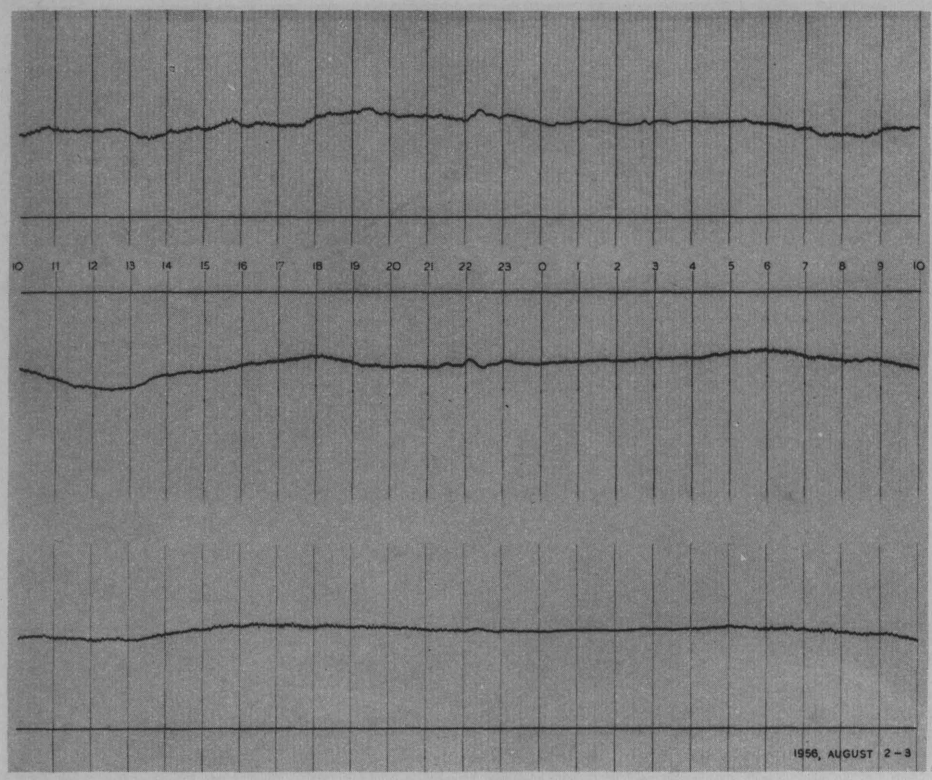



JUL. 31-AUG. 1

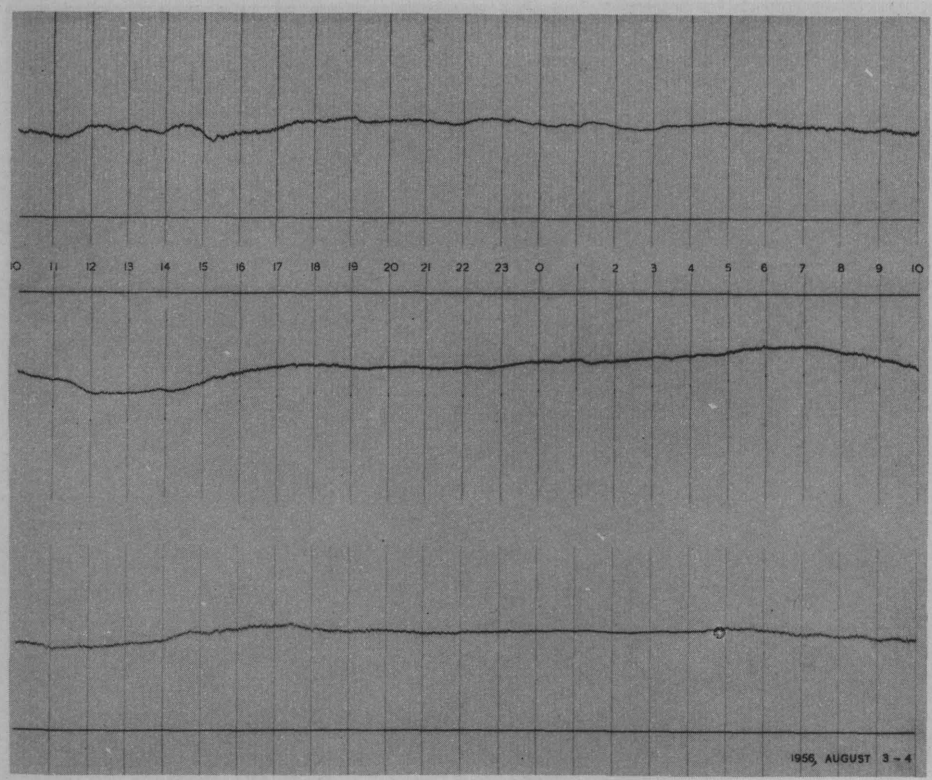



AUGUST 1-2

1956

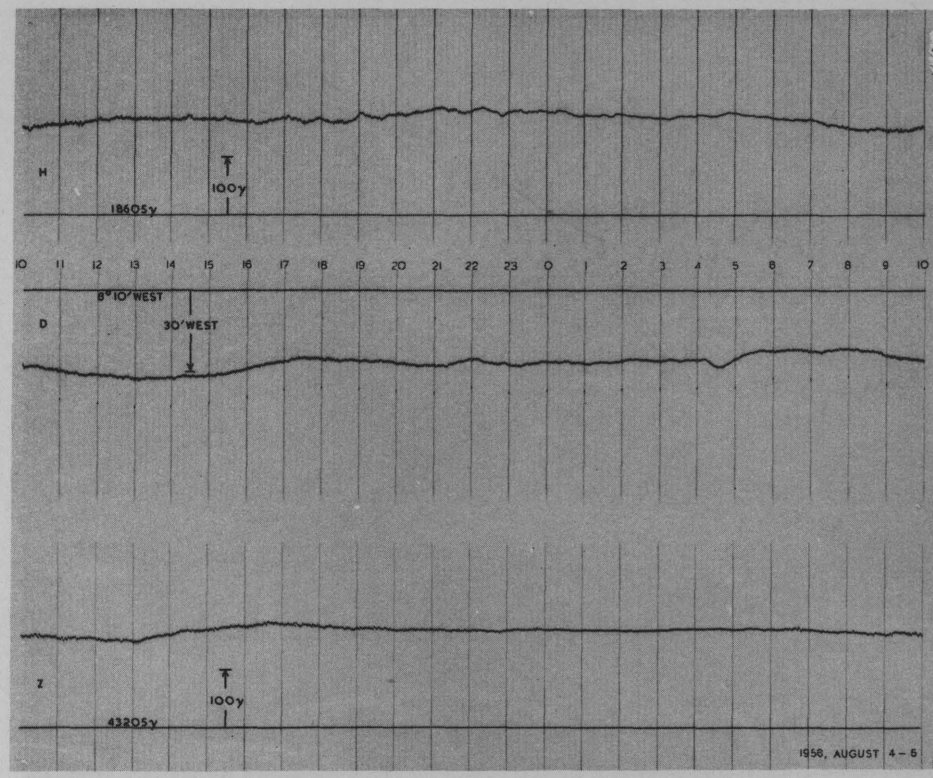



AUGUST 2–3

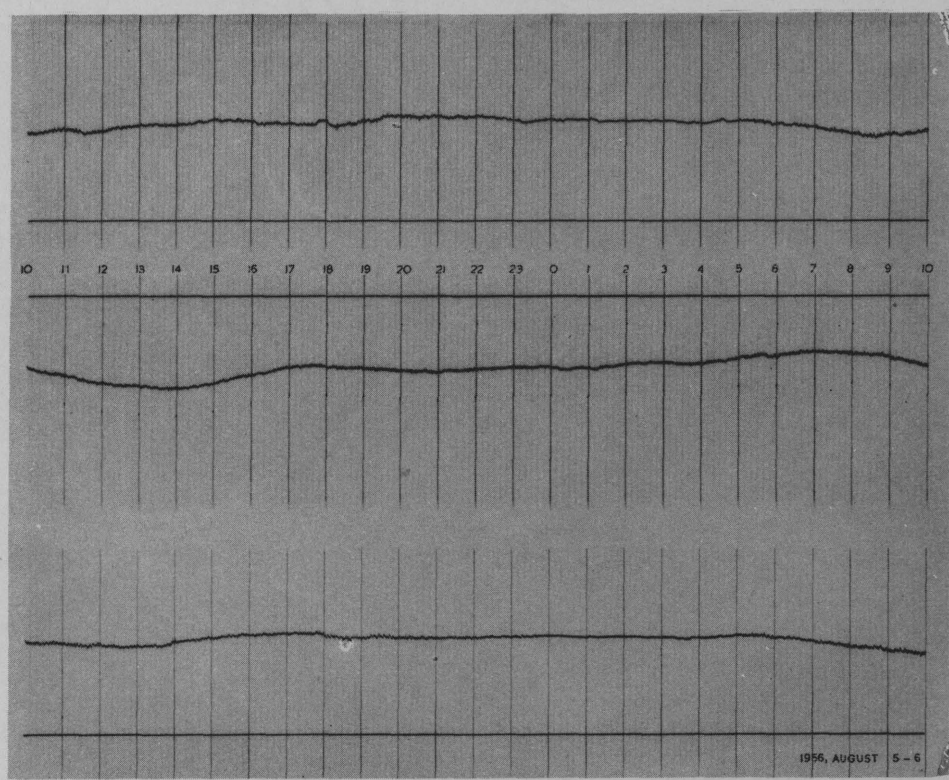



AUGUST 3–4

1956

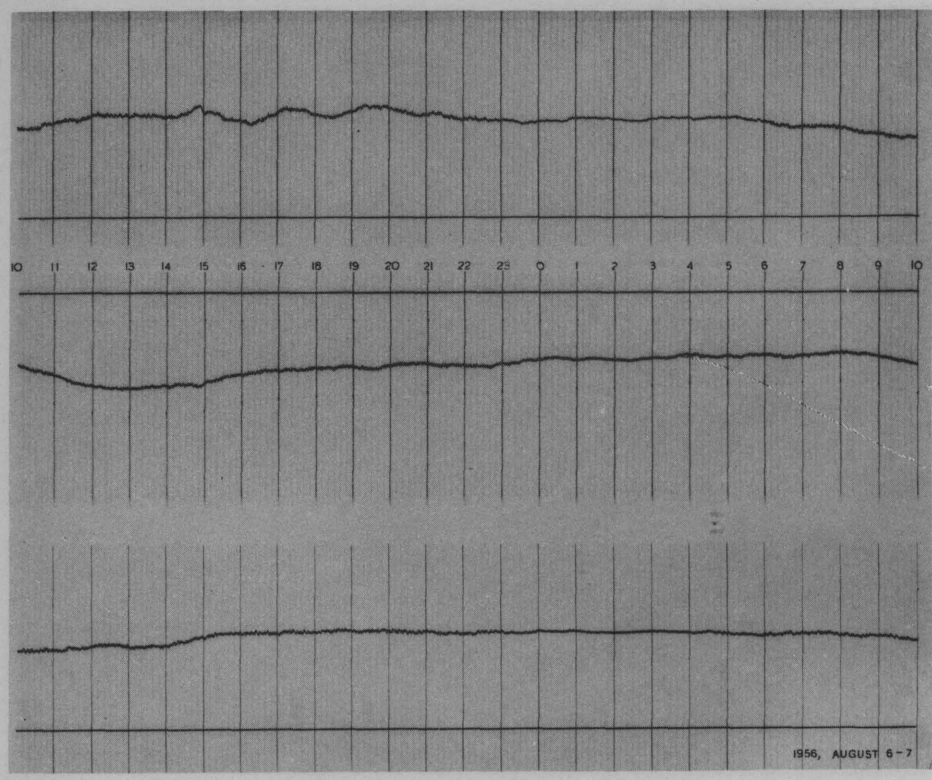



AUGUST 4–5

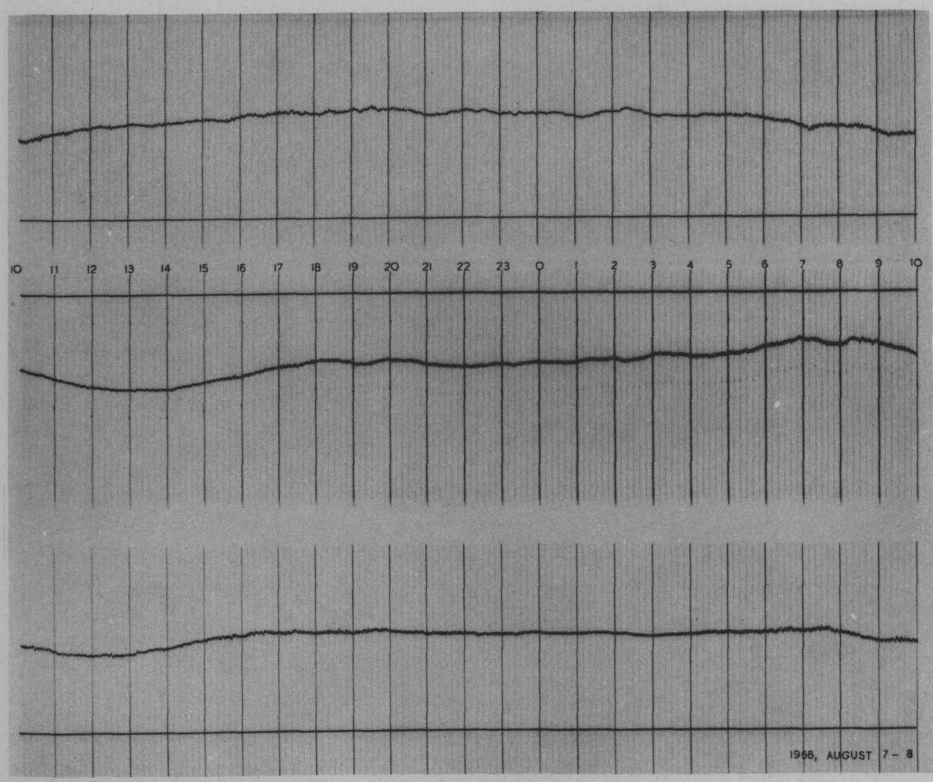



AUGUST 5–6

1956

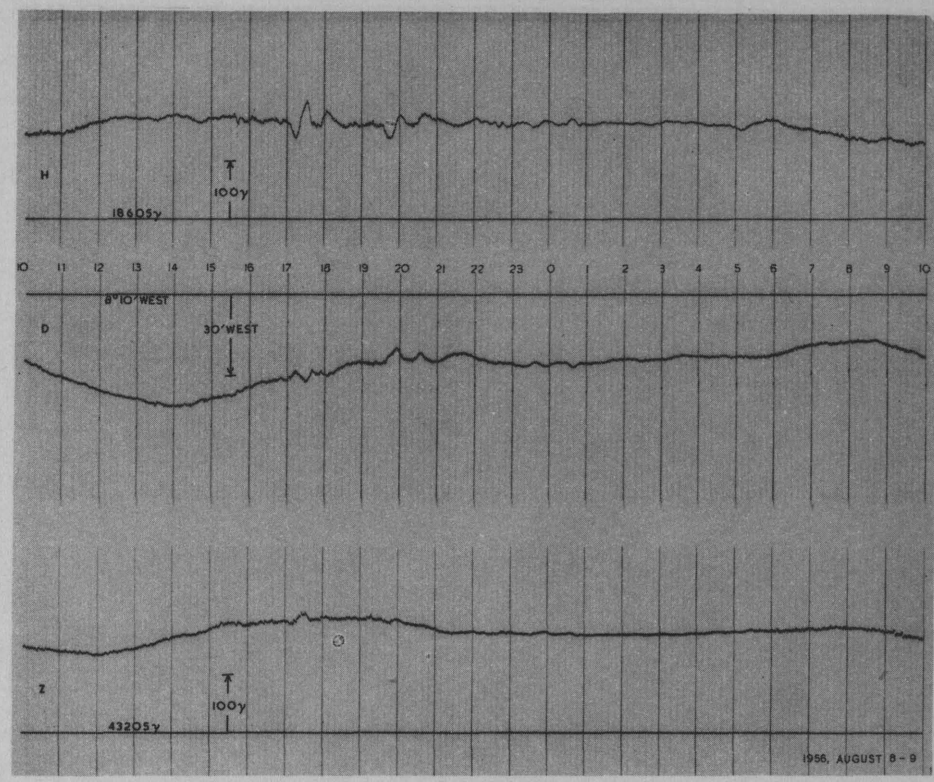



AUGUST 6–7

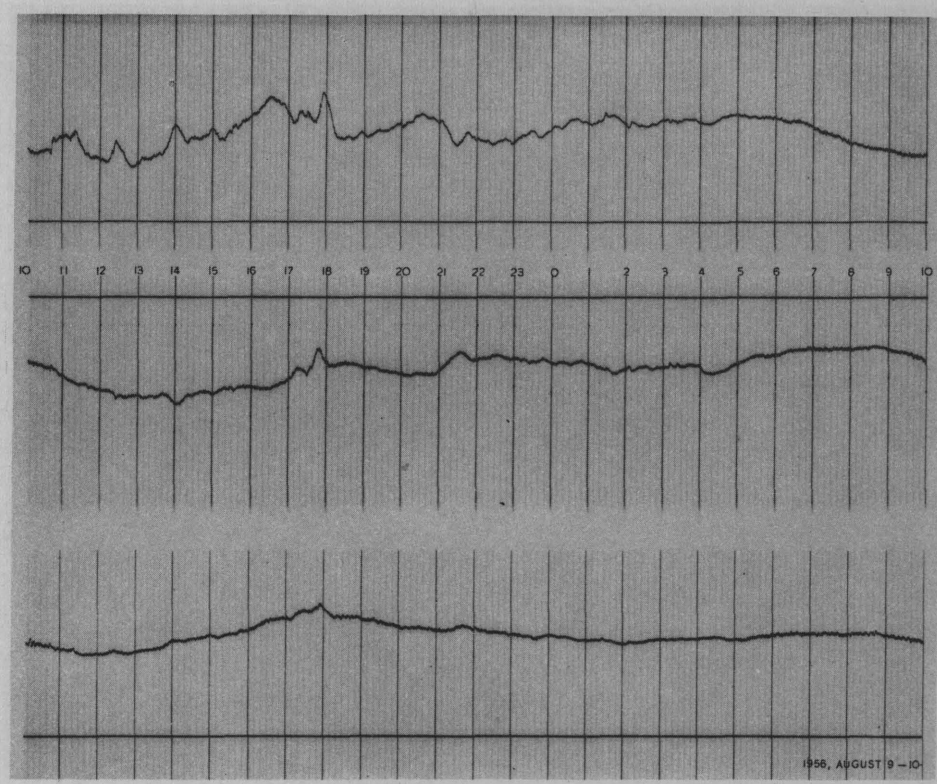



AUGUST 7–8

1956

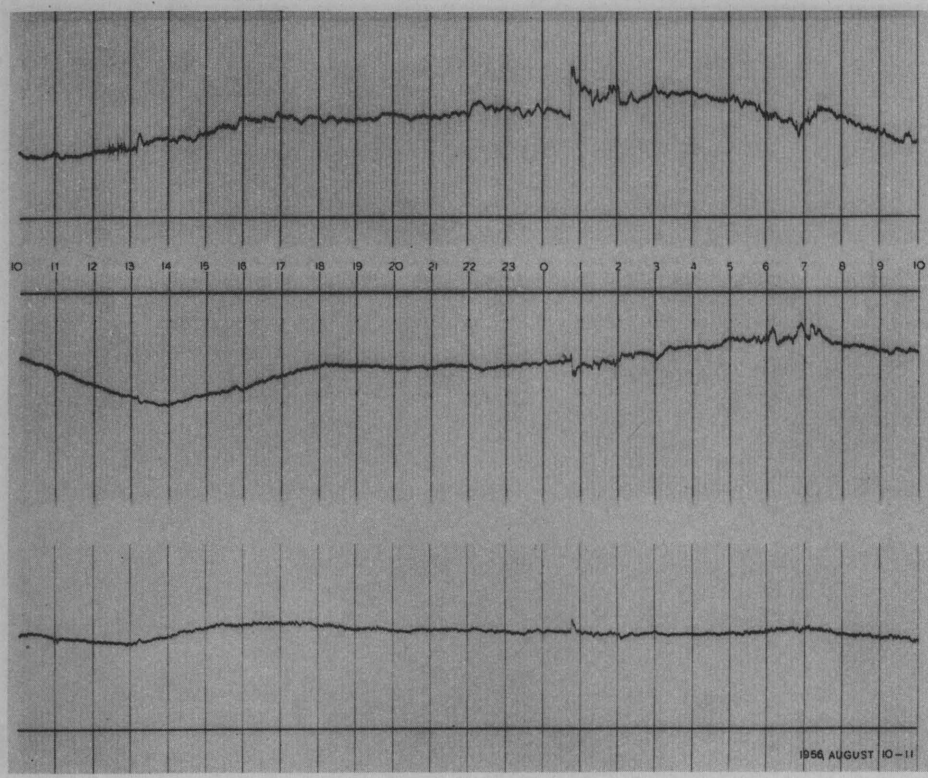



AUGUST 8–9

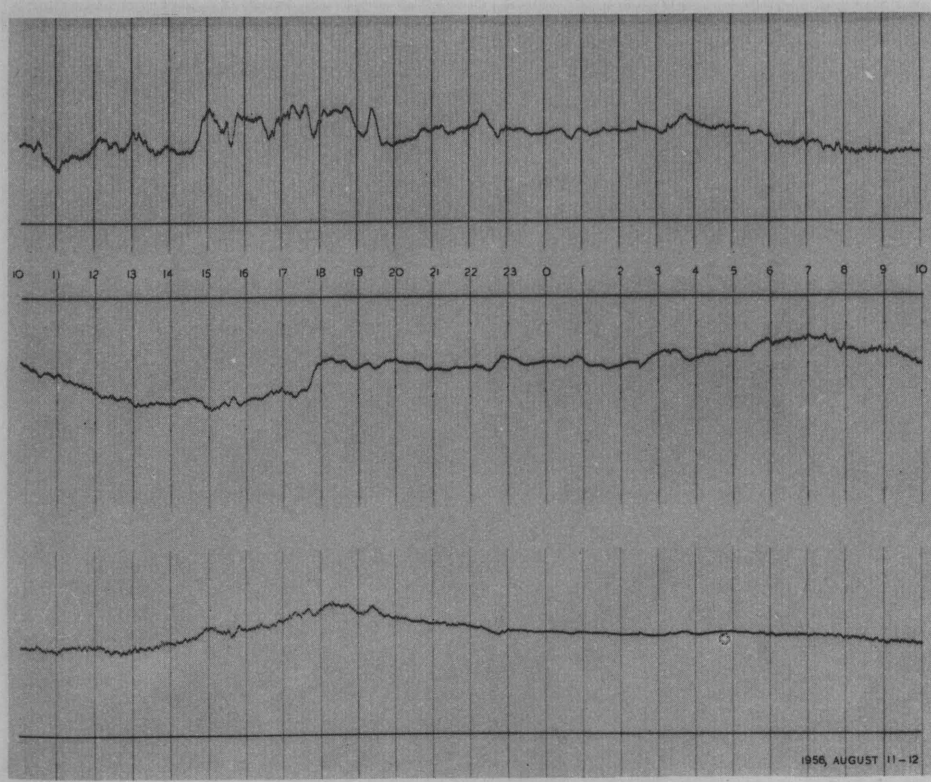



AUGUST 9–10

1956

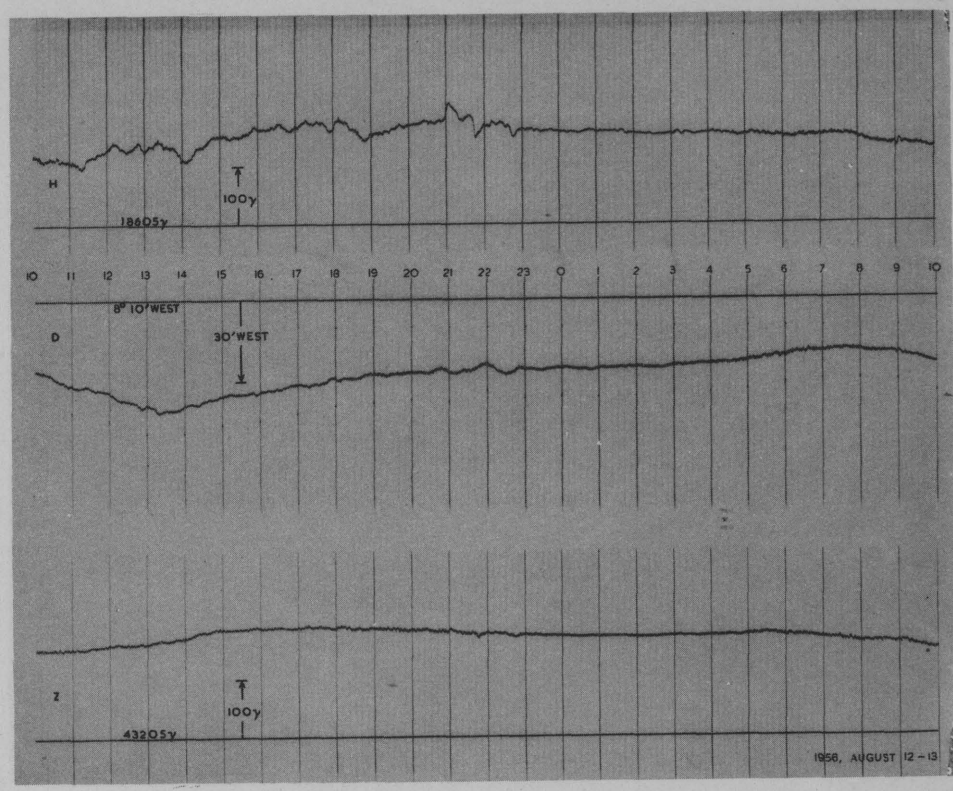



AUGUST 10–11

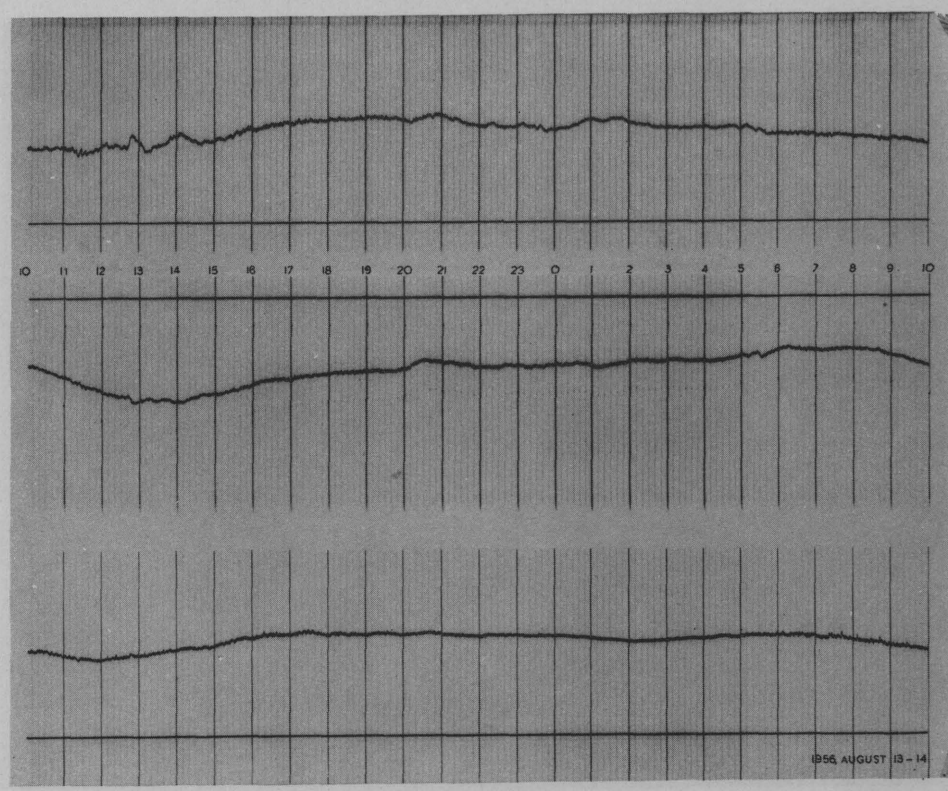



AUGUST 11–12

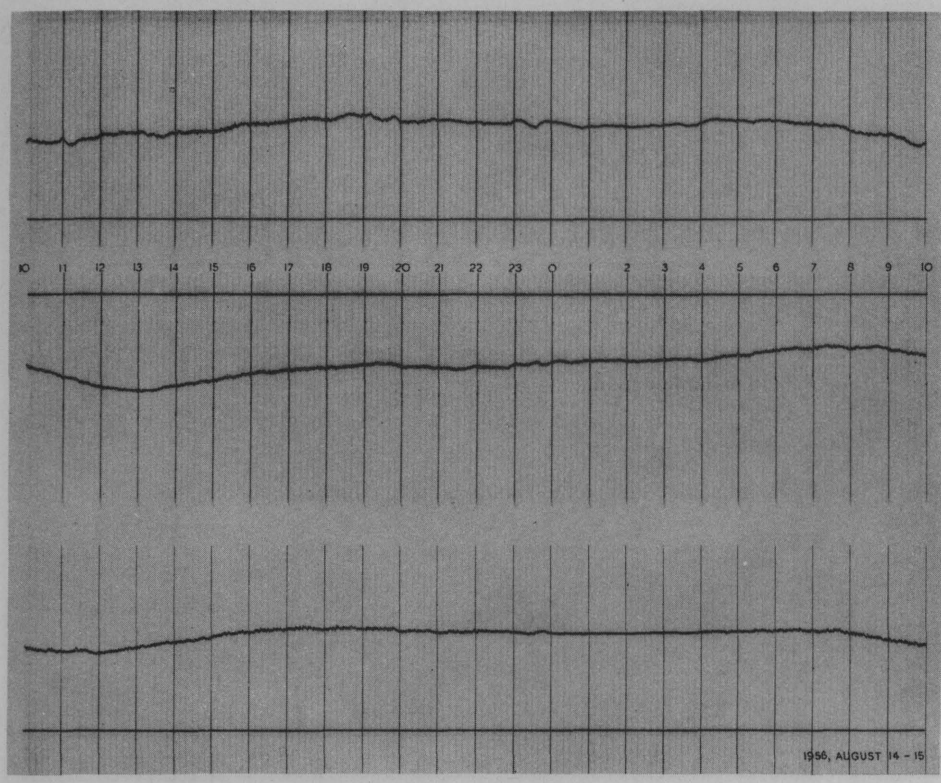
1956




AUGUST 12–13

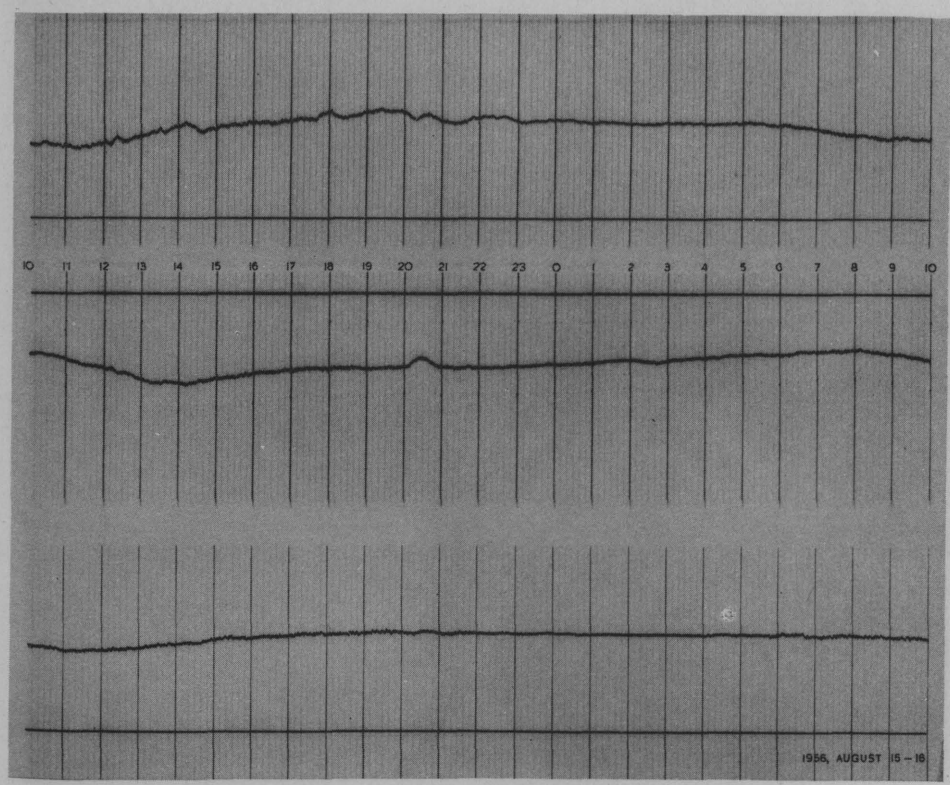



AUGUST 13–14



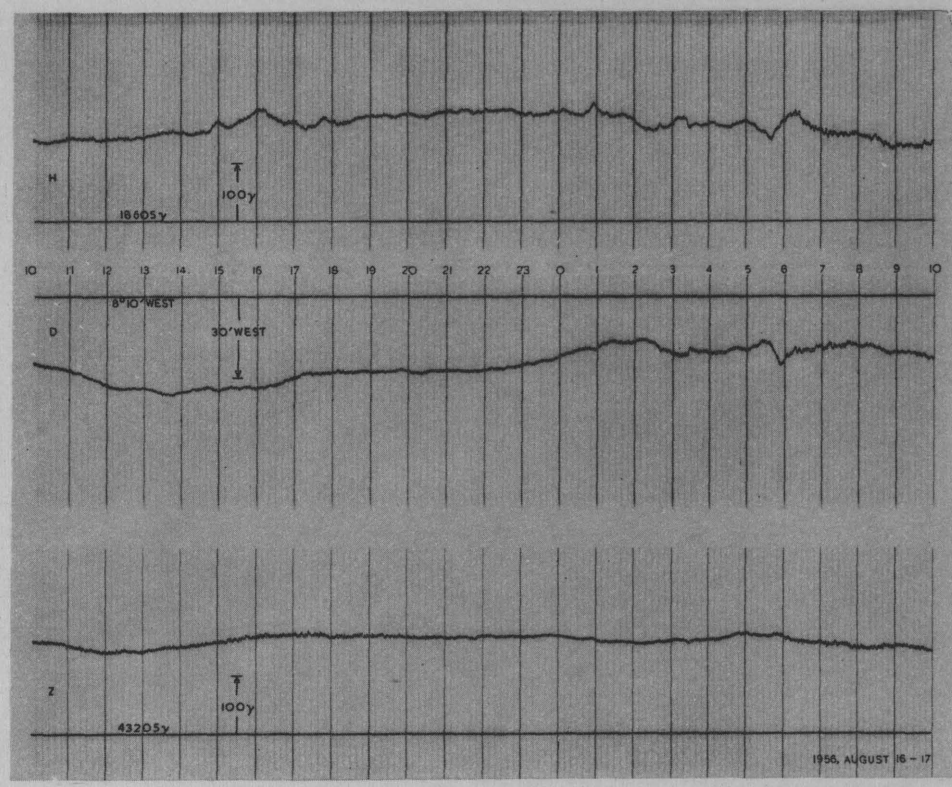

1956

AUGUST 14–15

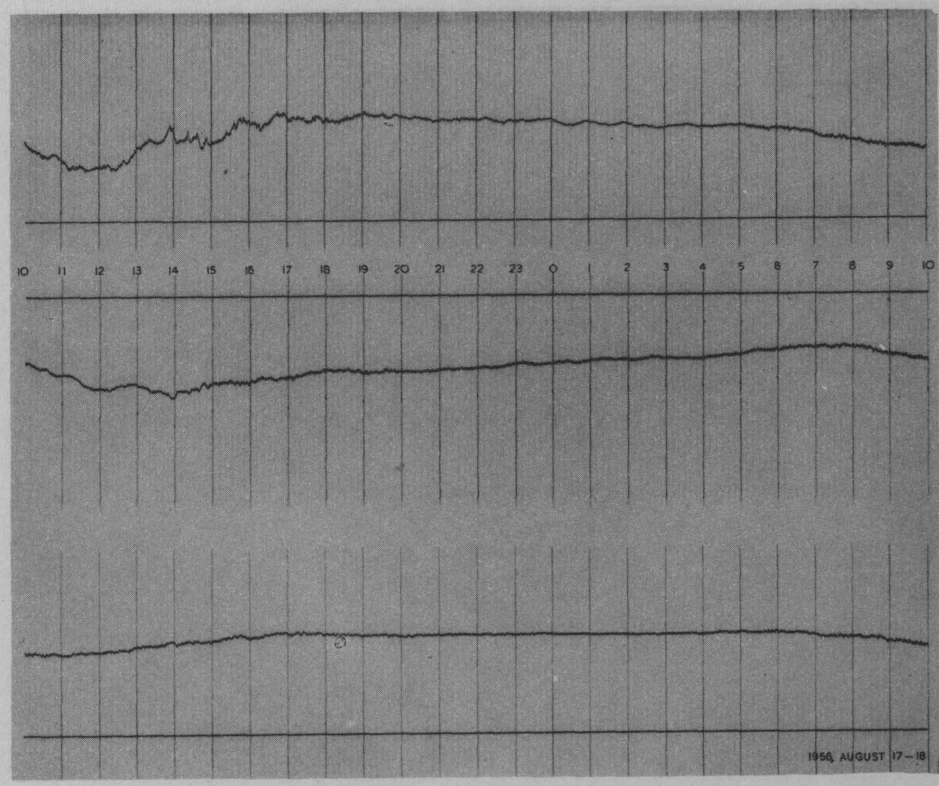



AUGUST 15–16

1956.

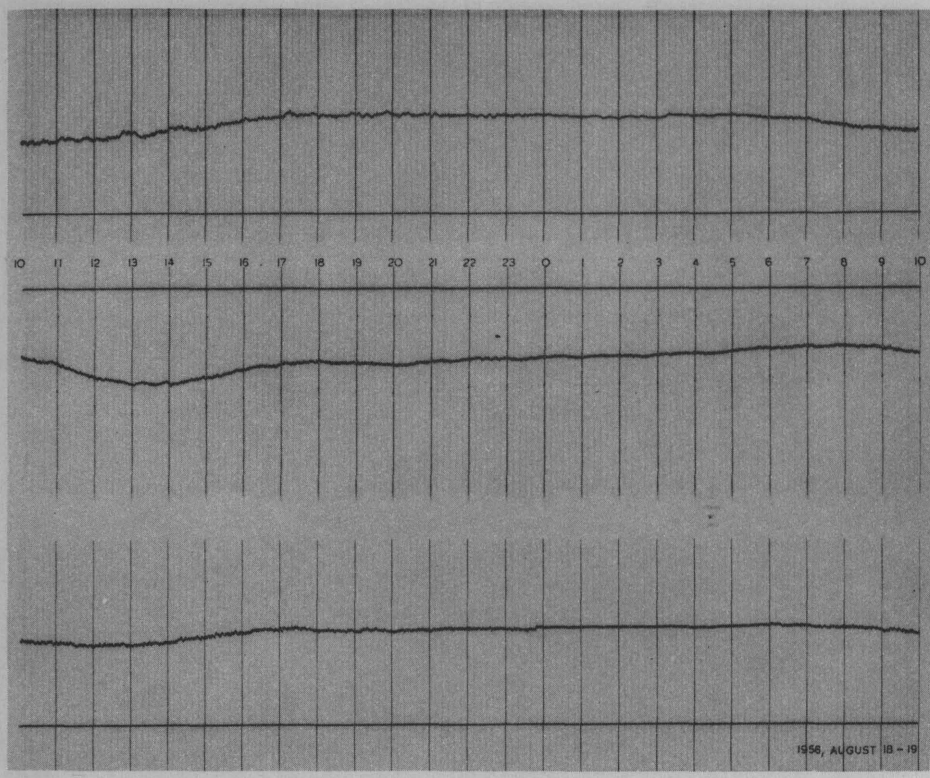



AUGUST 16–17

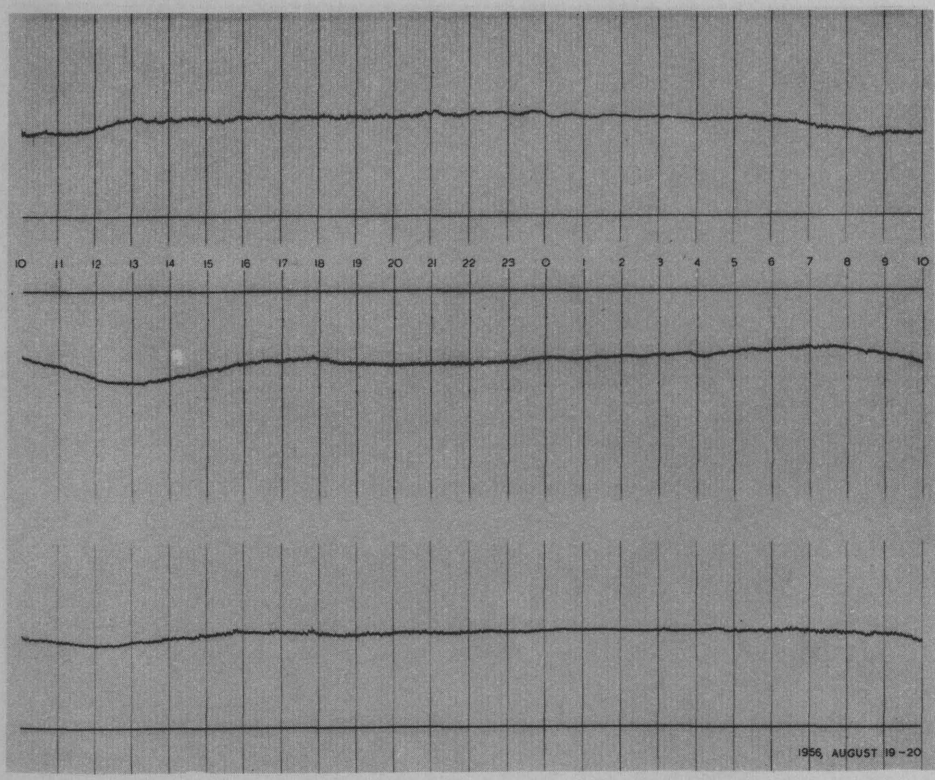



AUGUST 17–18

1956

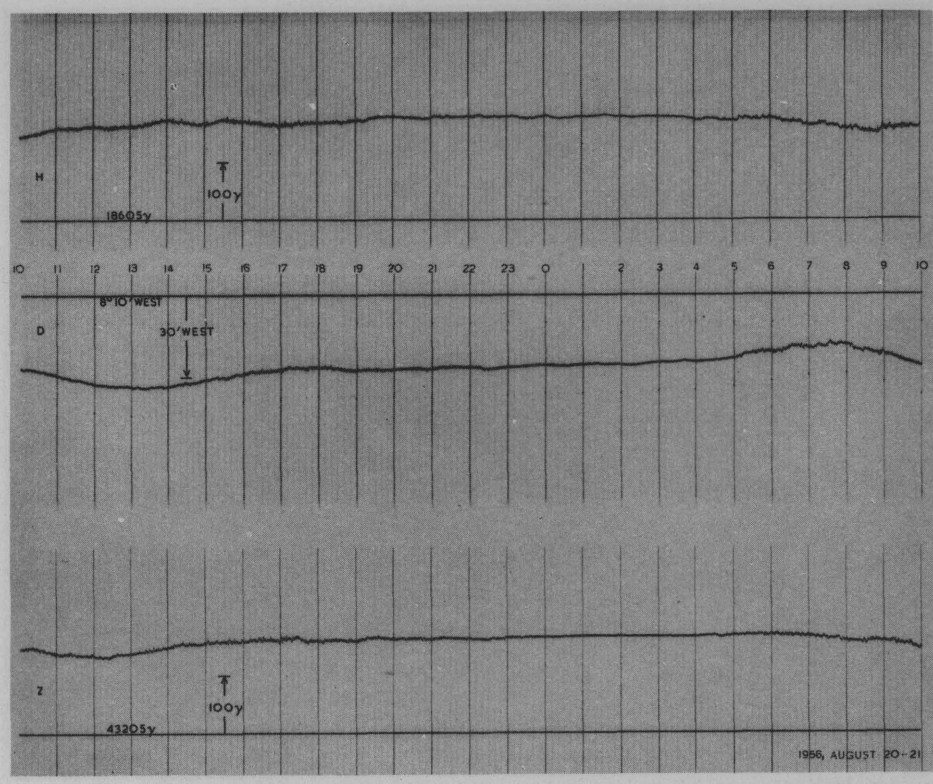



AUGUST 18–19

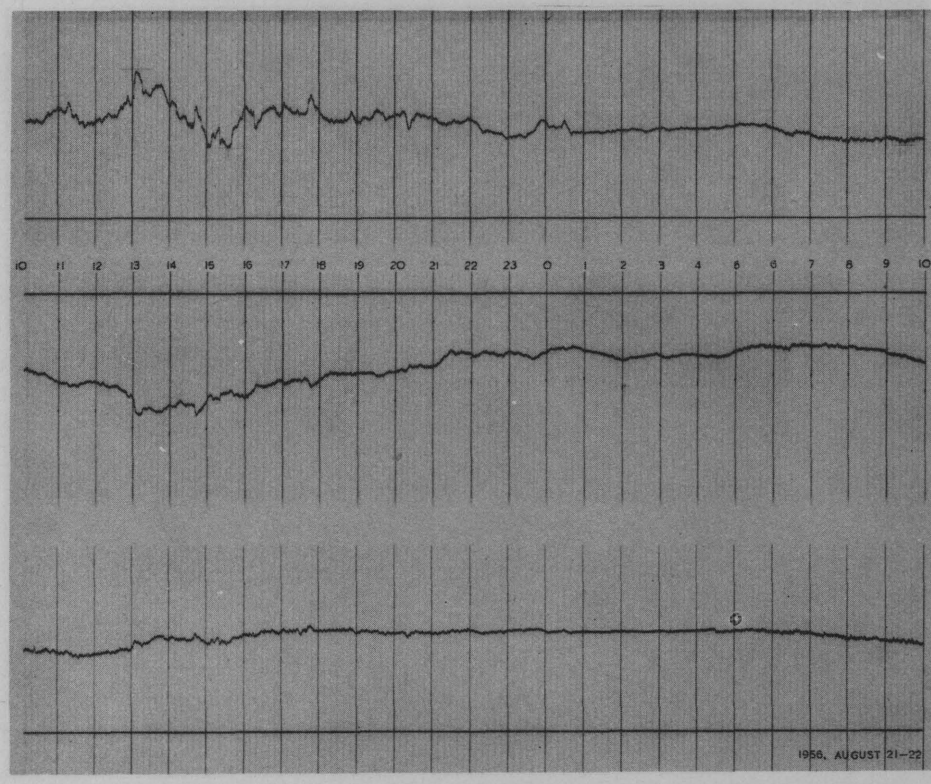



AUGUST 19–20

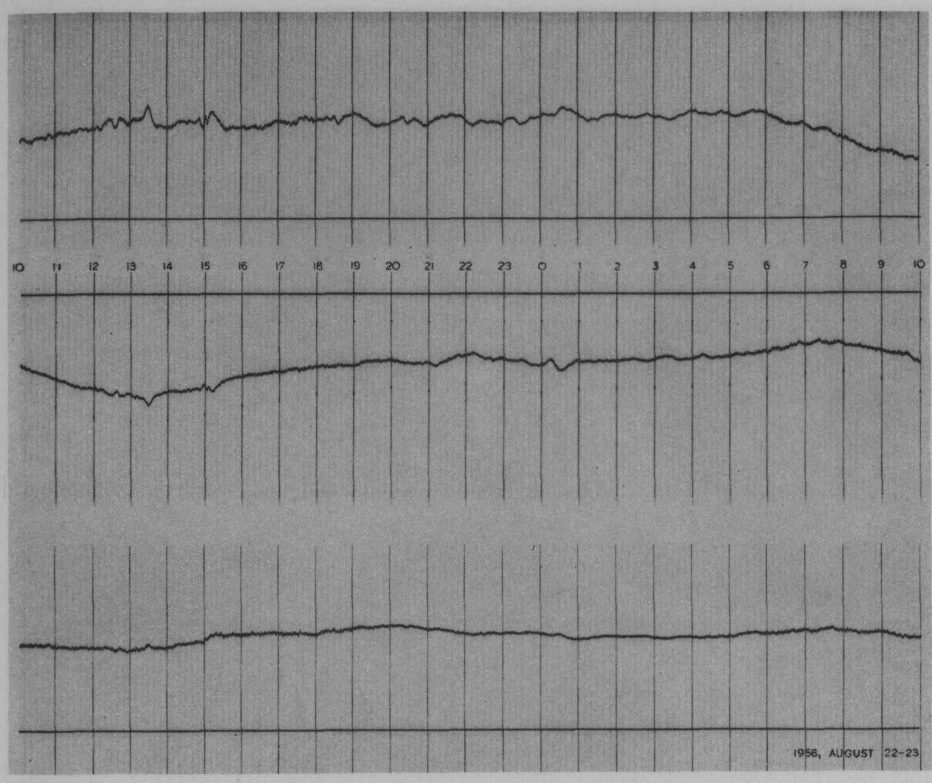
1956




AUGUST 20–21




AUGUST 21–22

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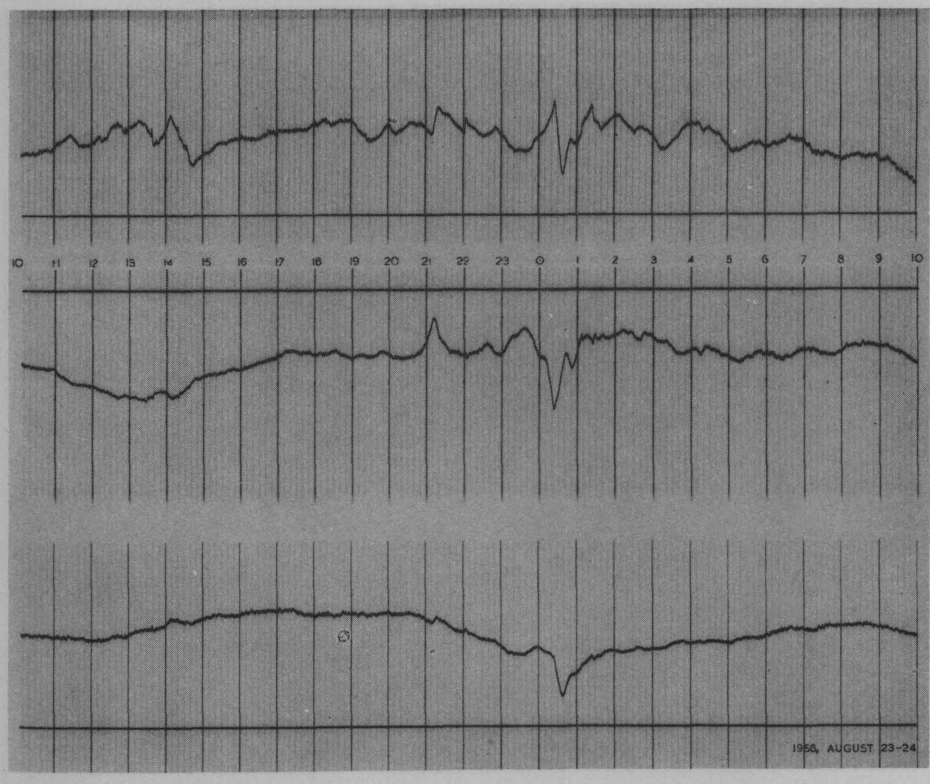
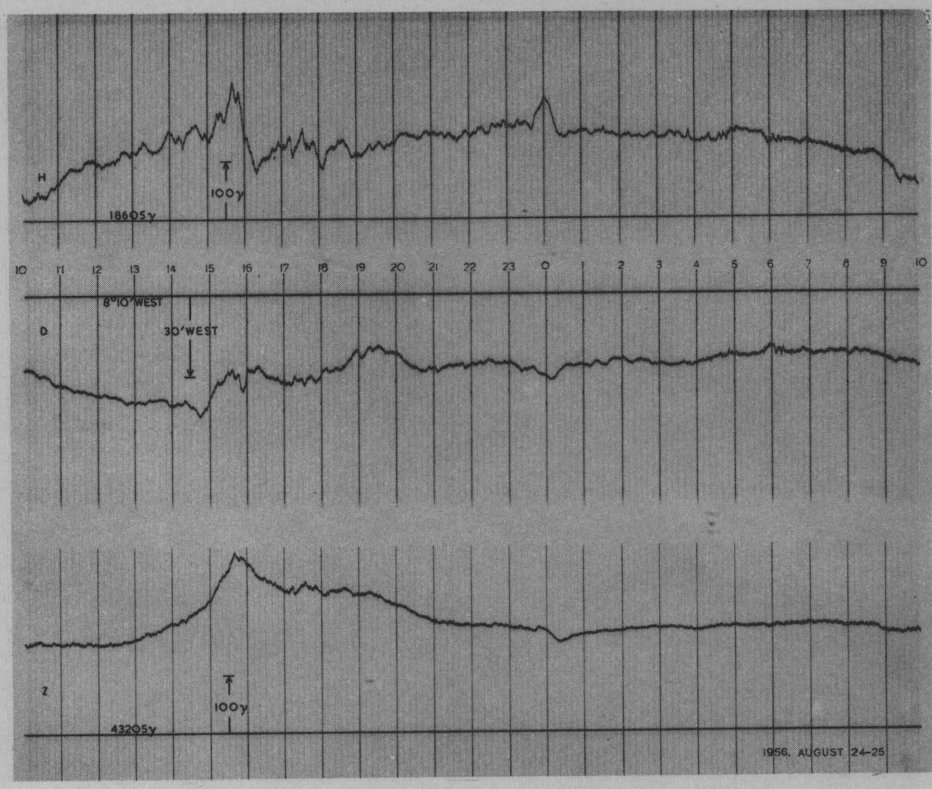
AUGUST 22–23

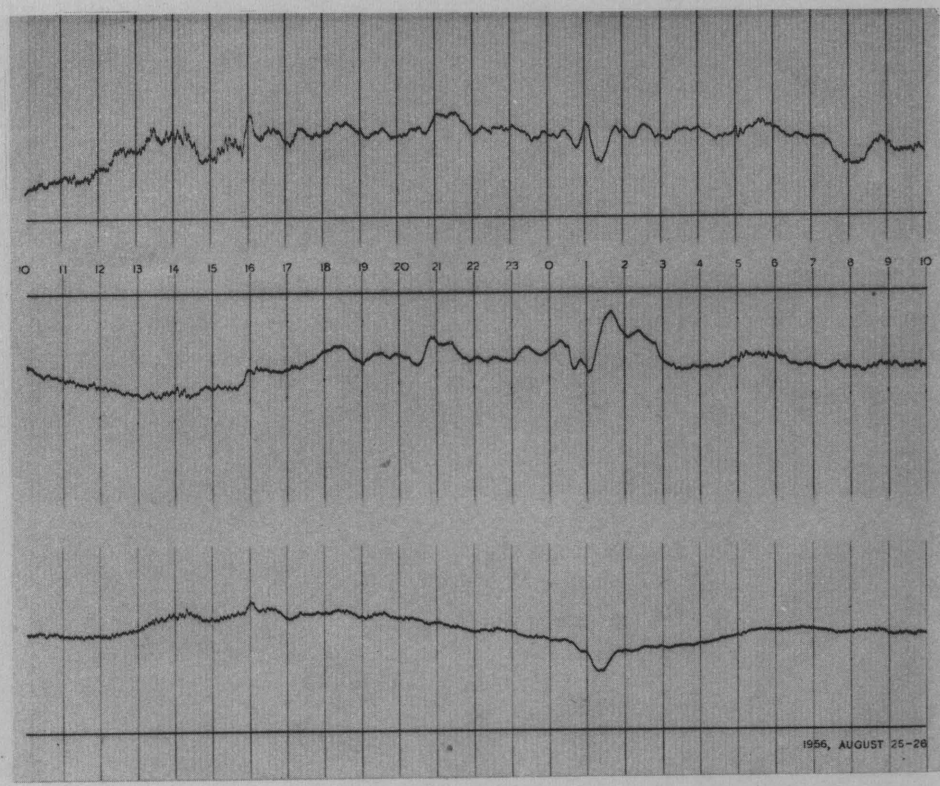



AUGUST 23–24

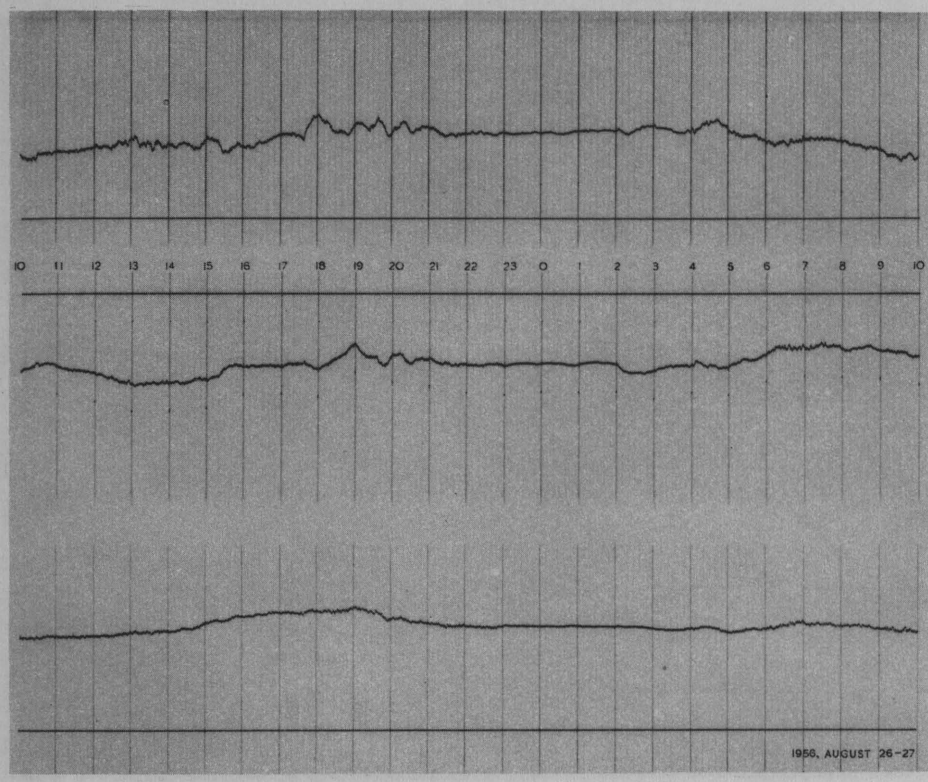
1956




AUGUST 24–25




AUGUST 25–26

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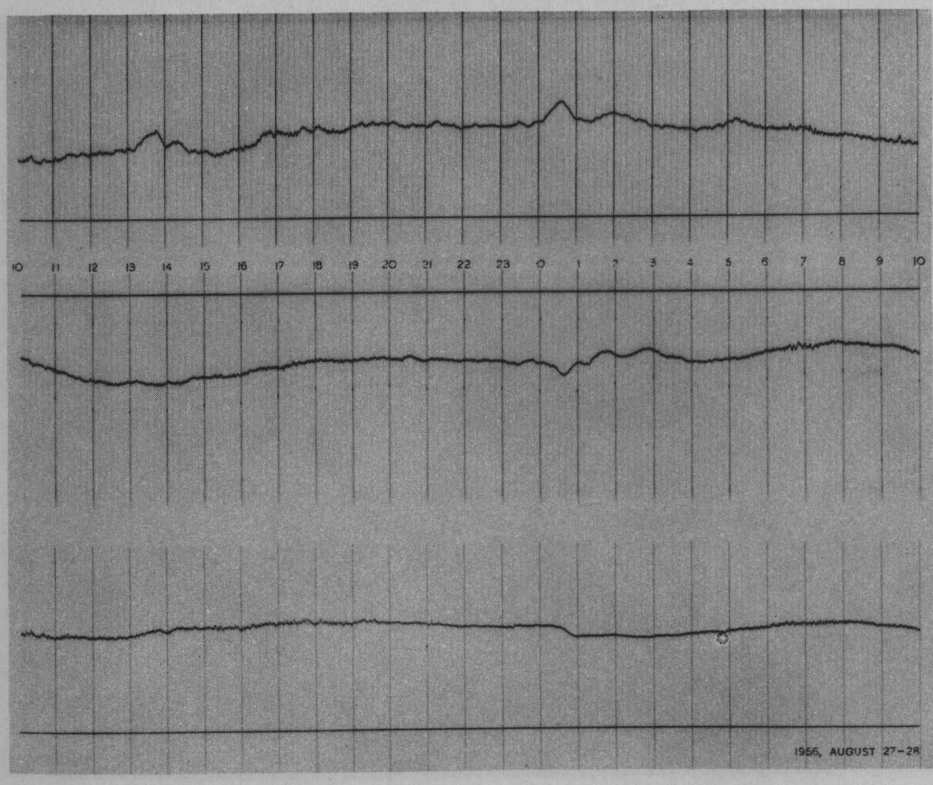
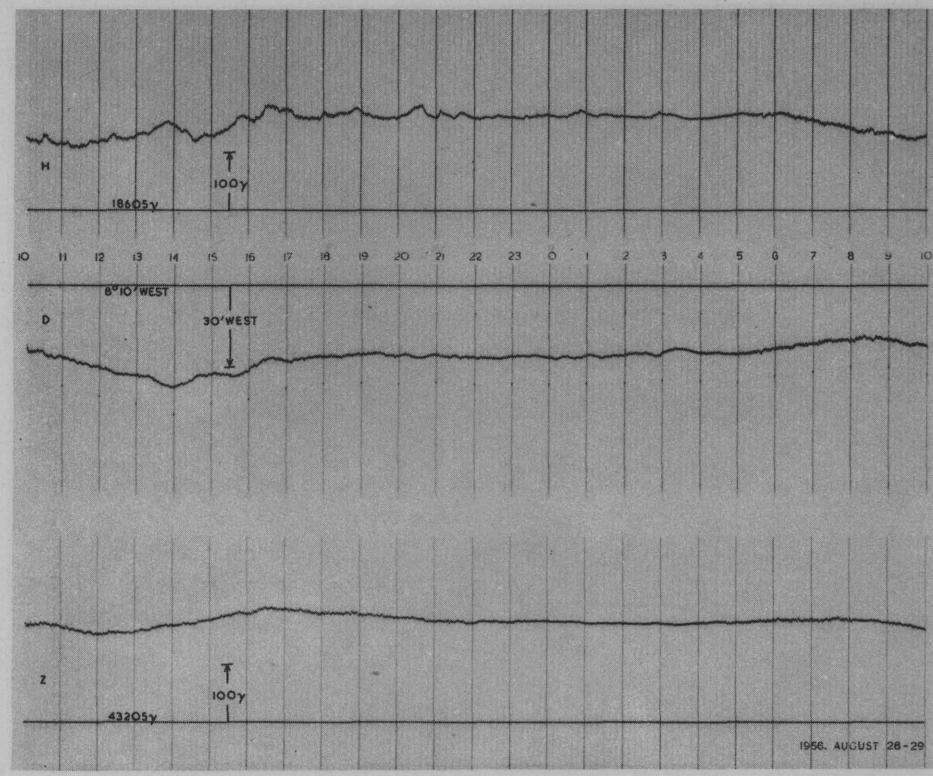
AUGUST 26–27

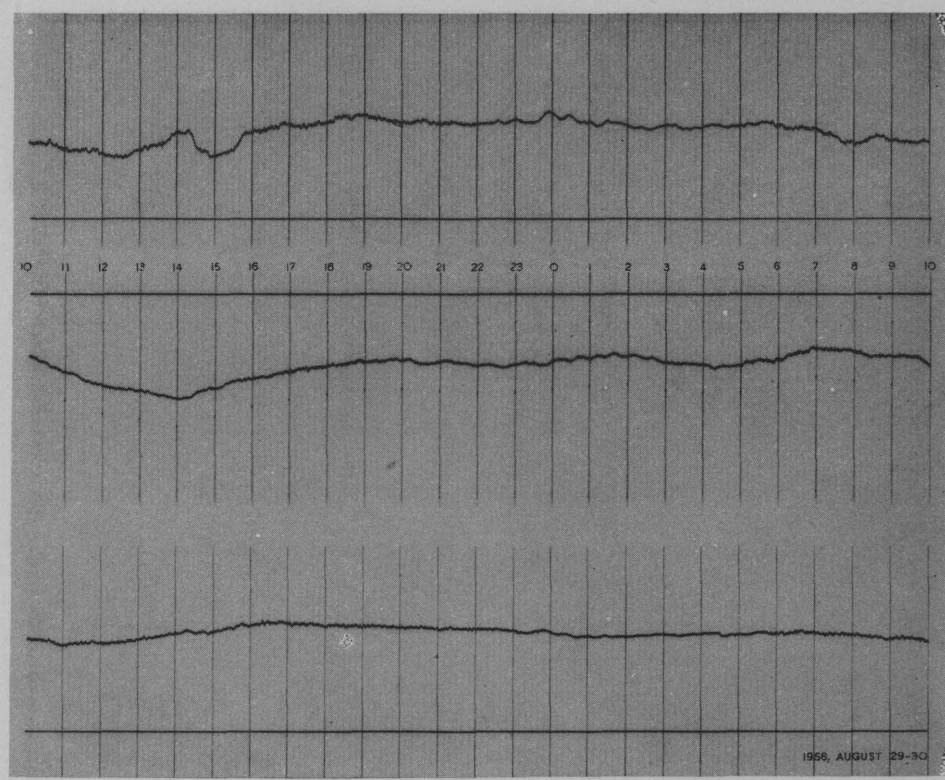



AUGUST 27–28

1956

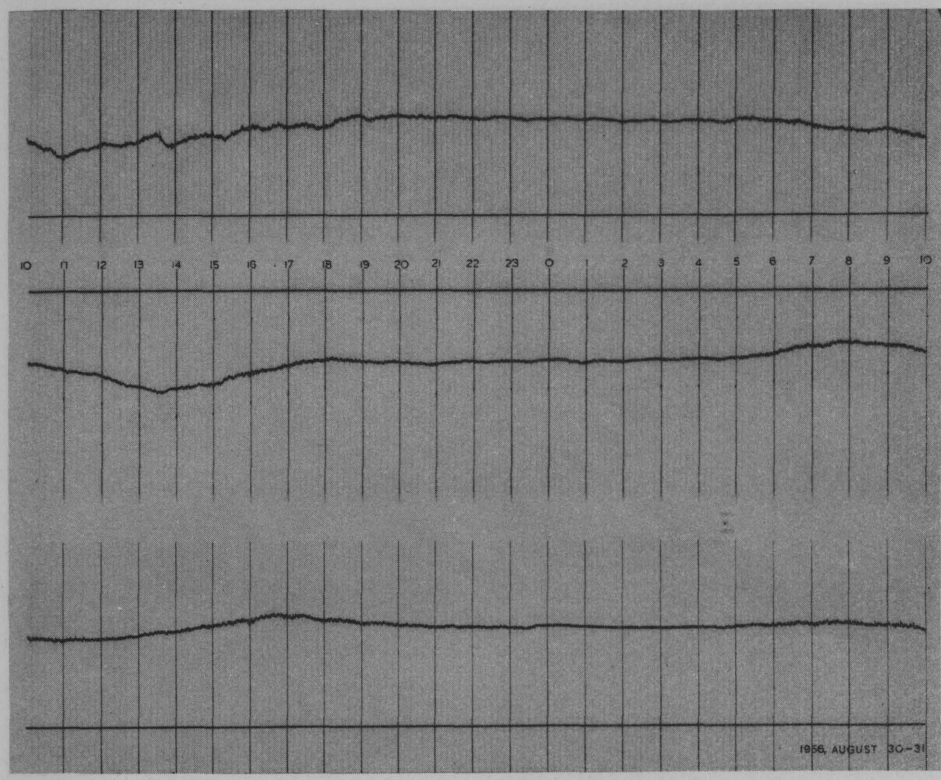



AUGUST 28–29

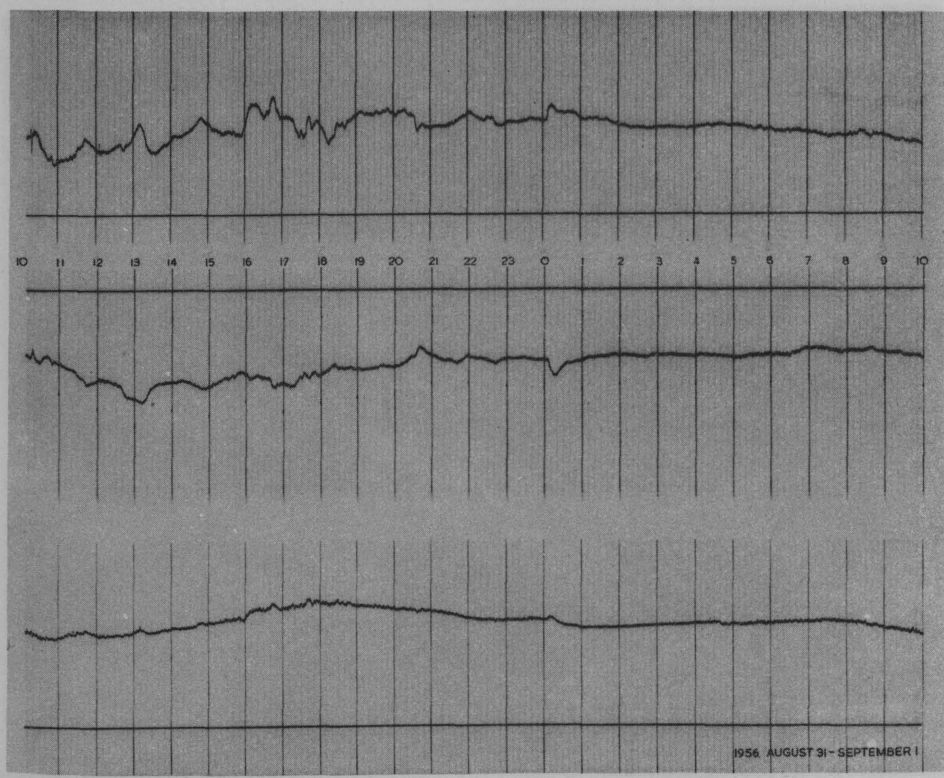



AUGUST 29–30

1956

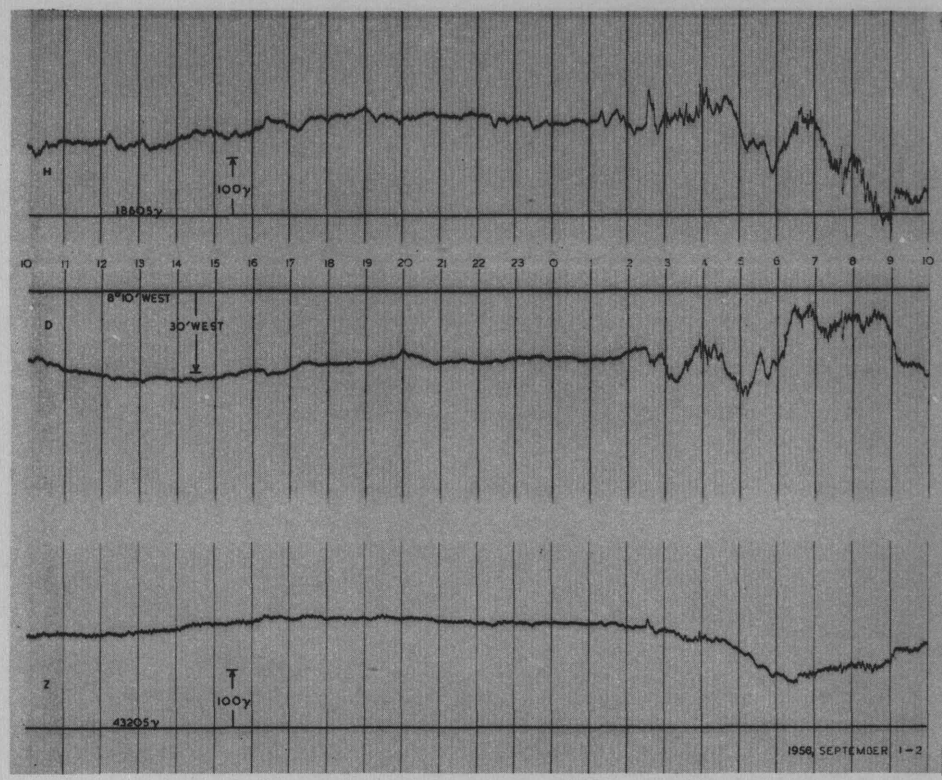



AUGUST 30–31

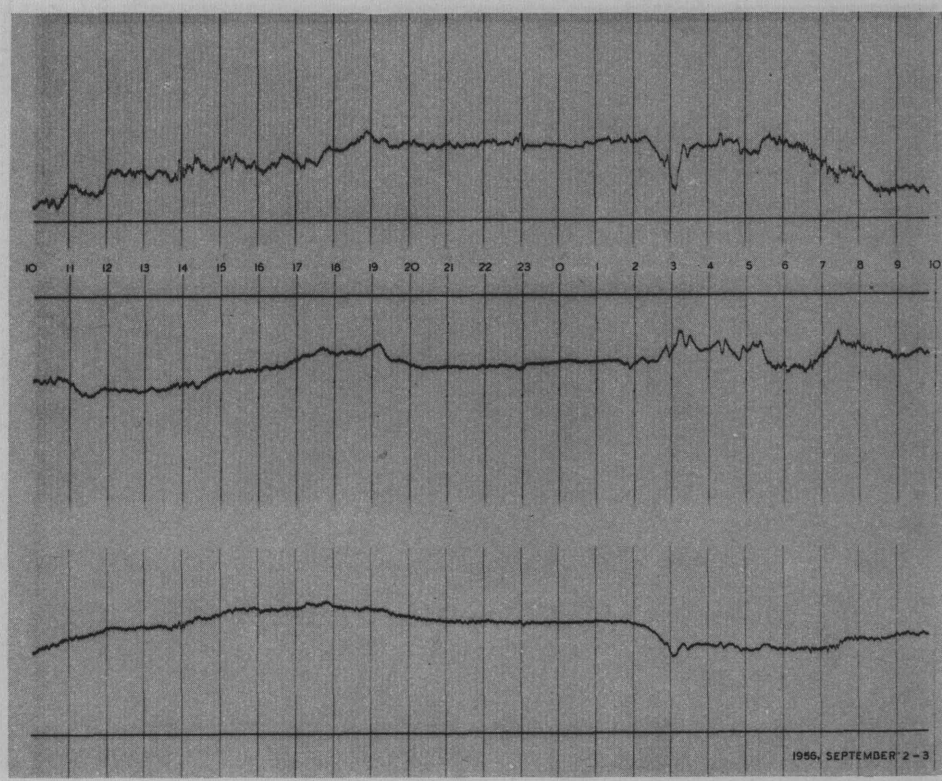



AUG. 31–SEP. 1

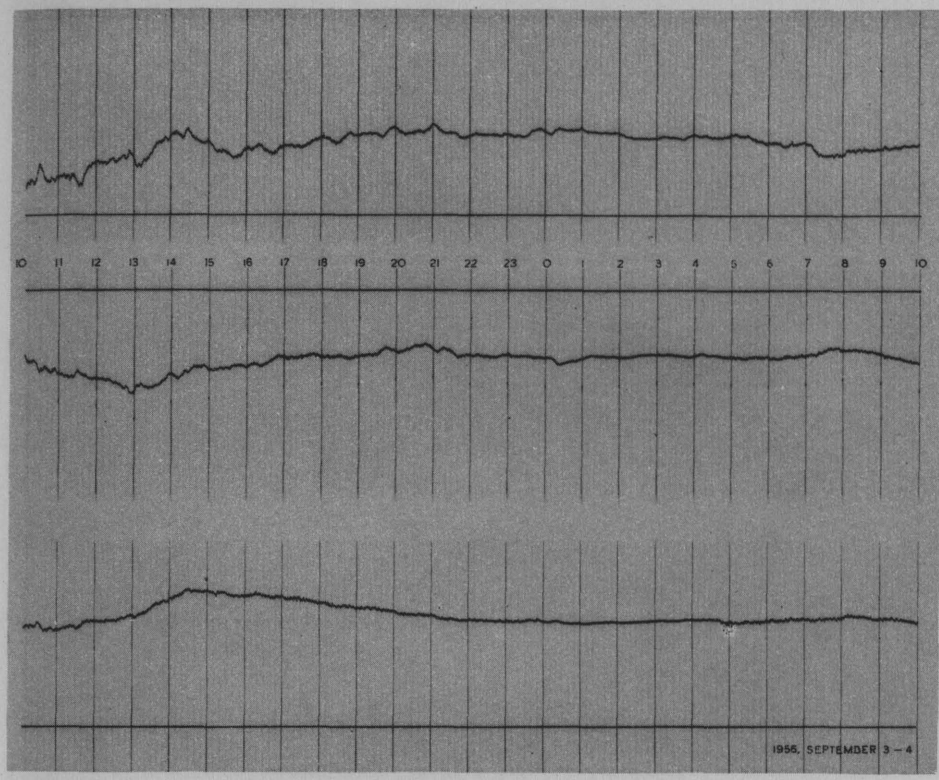
1956




SEPTEMBER 1–2




SEPTEMBER 2–3

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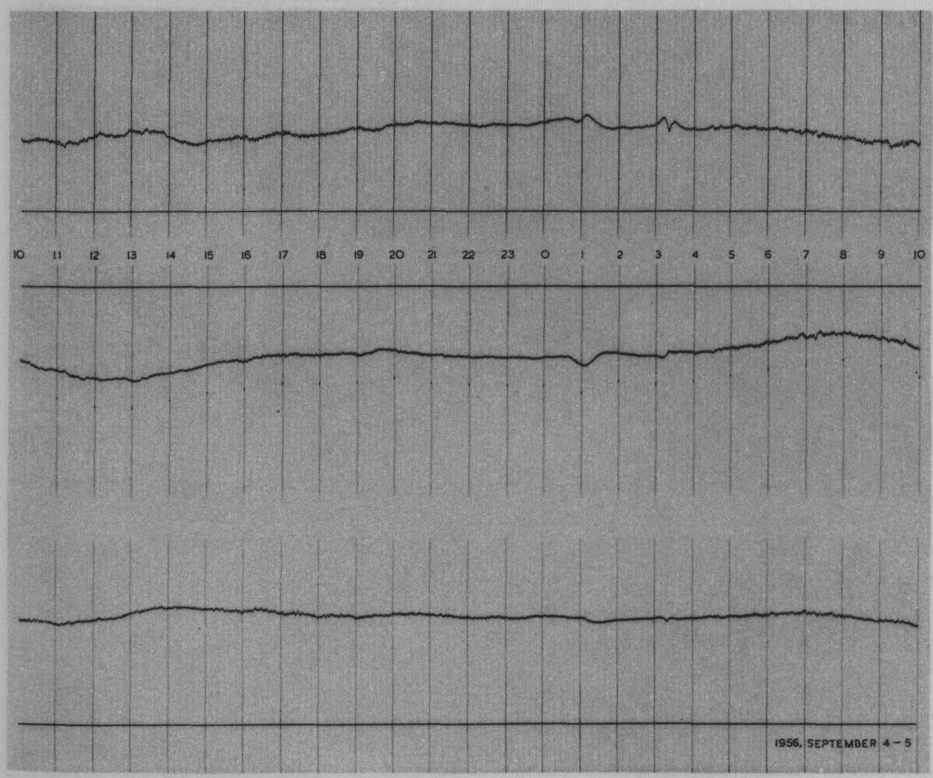
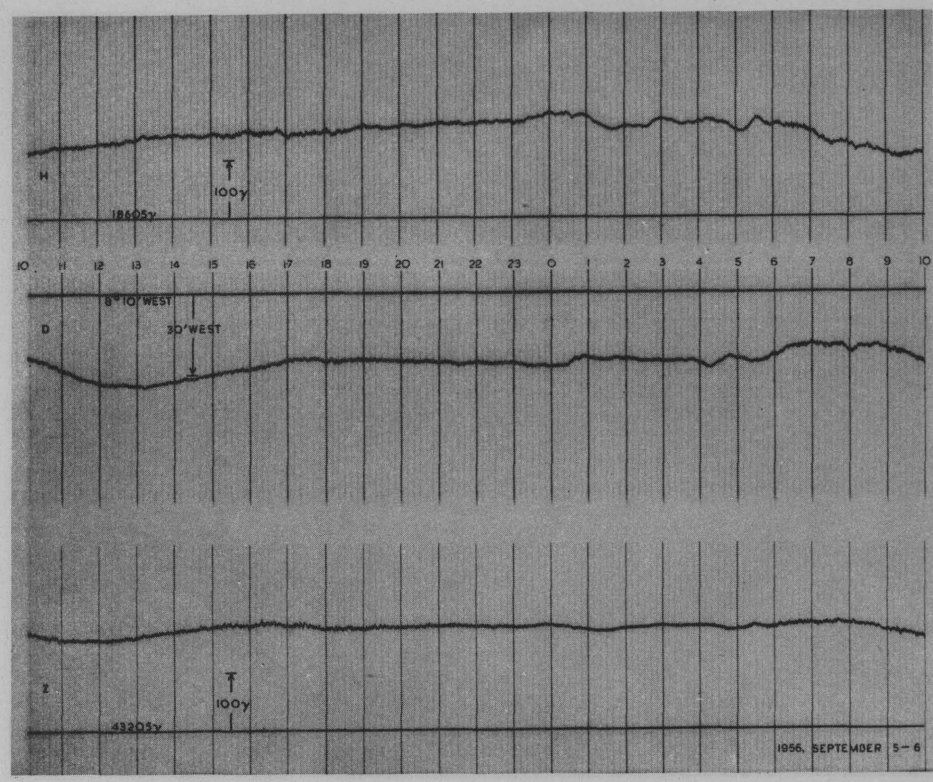
SEPTEMBER 3–4

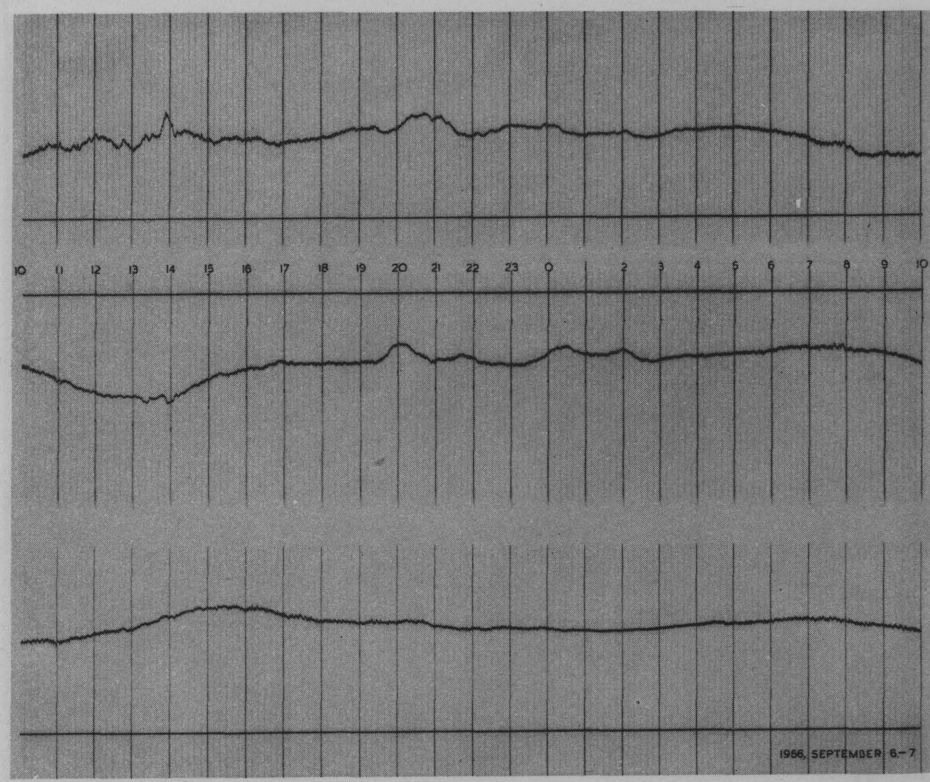



SEPTEMBER 4–5

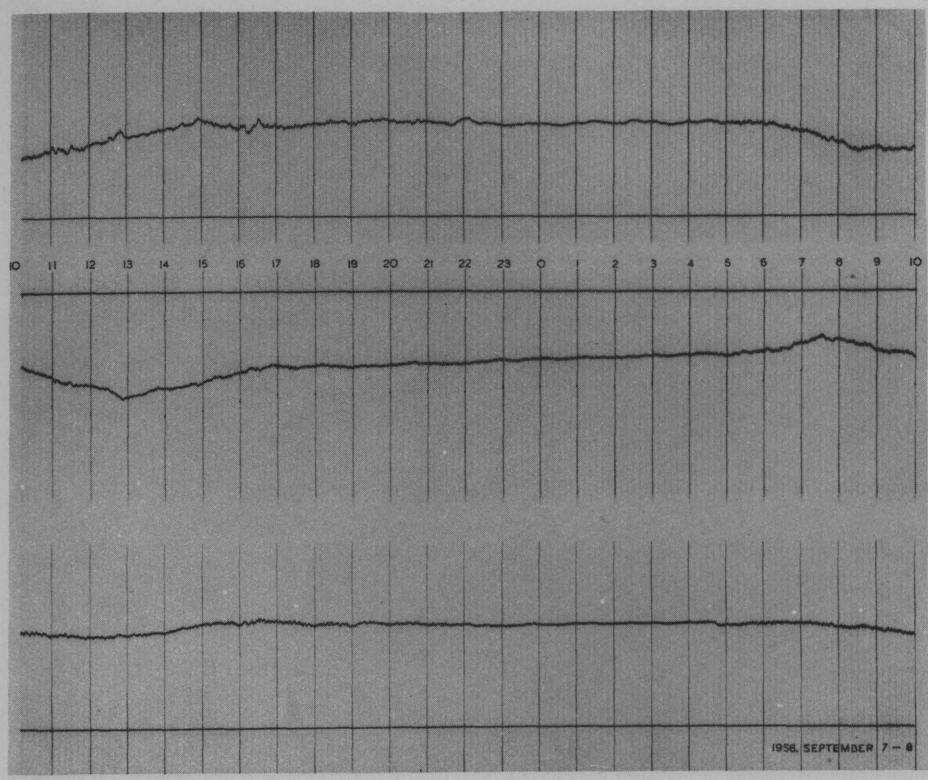
1956




SEPTEMBER 5–6




SEPTEMBER 6–7

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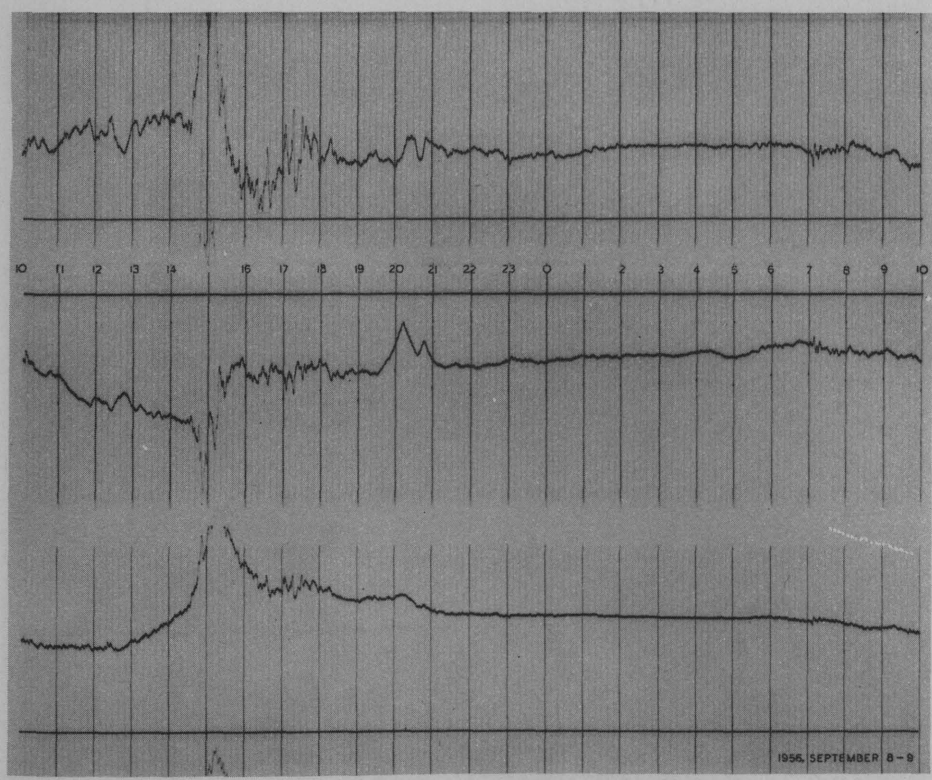
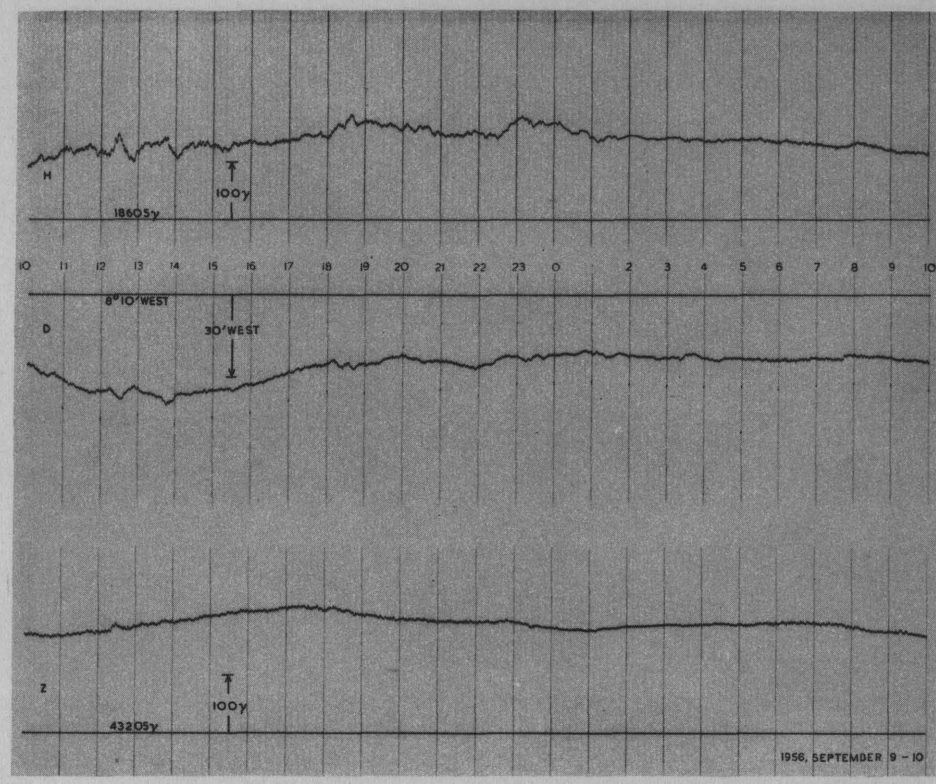
SEPTEMBER 7–8

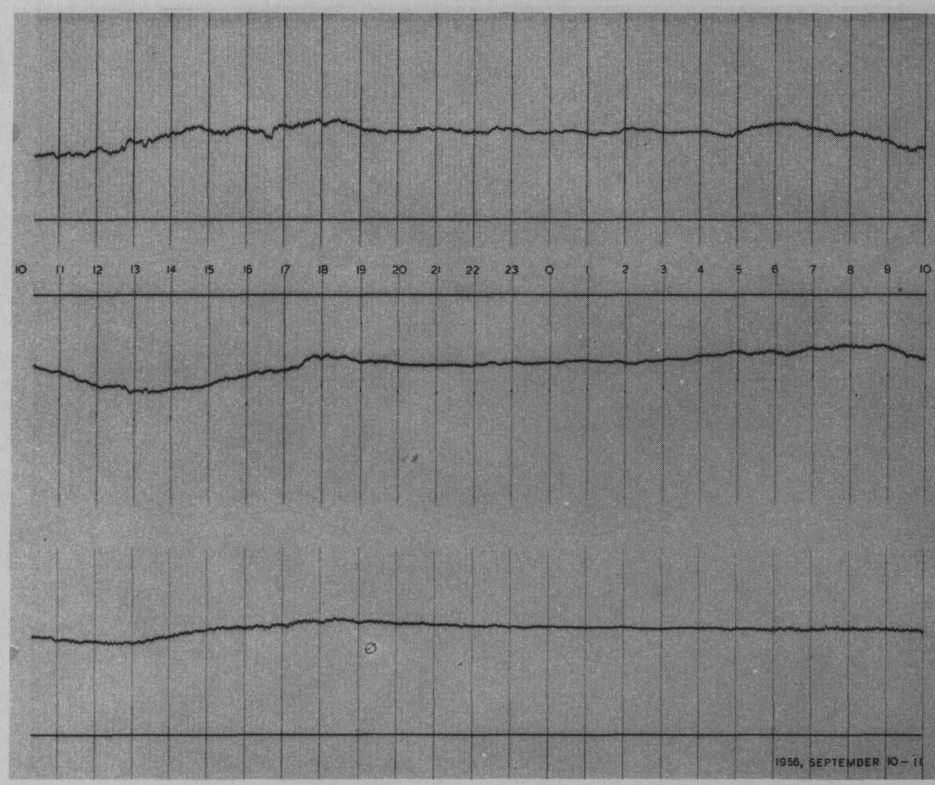



SEPTEMBER 8–9

1956

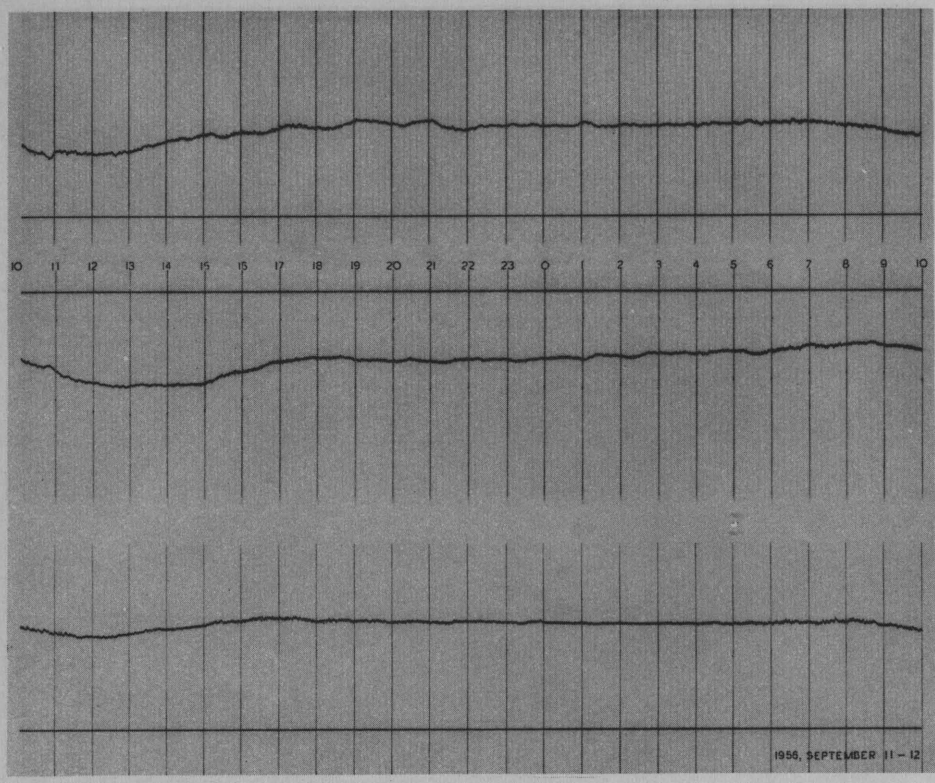



SEPTEMBER 9–10

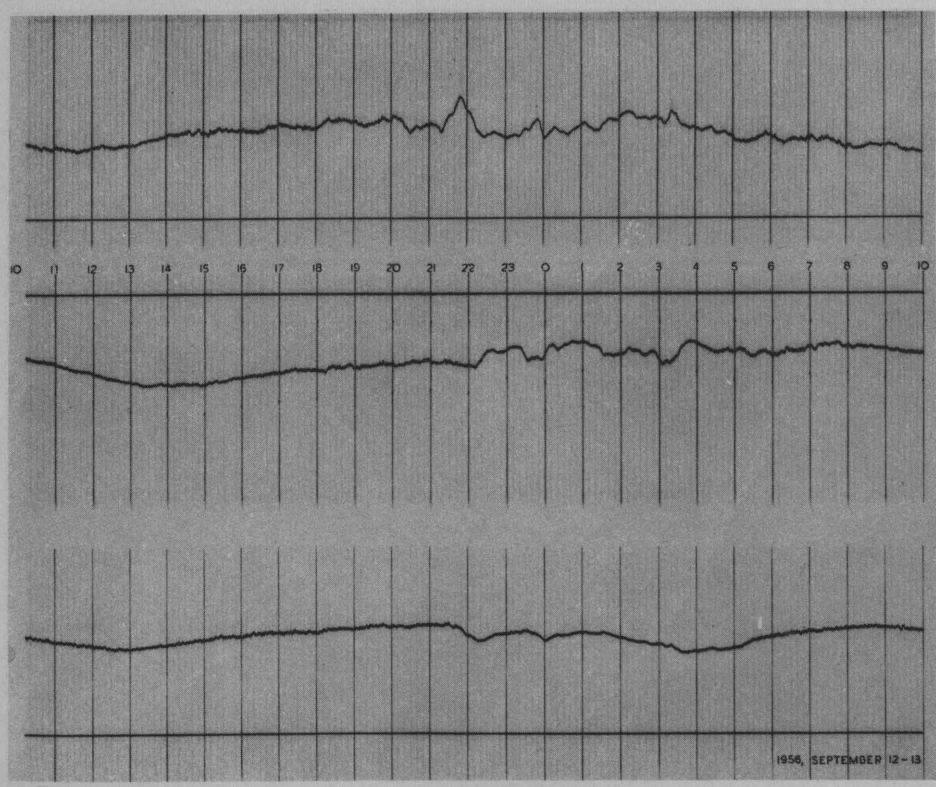



SEPTEMBER 10–11

1956

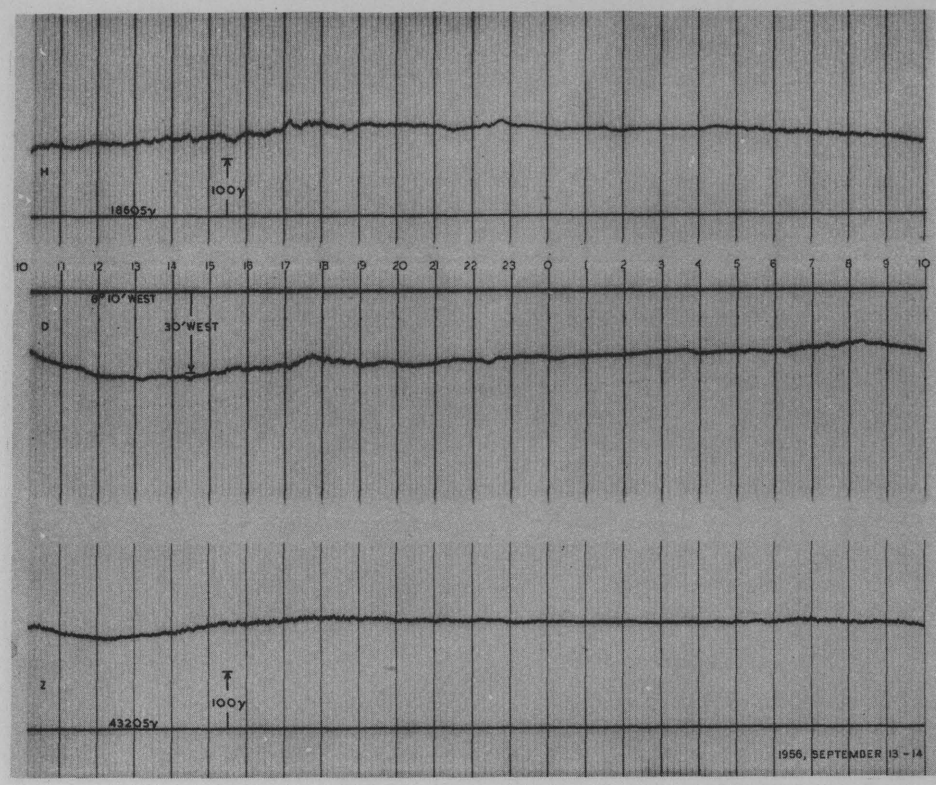



SEPTEMBER 11–12

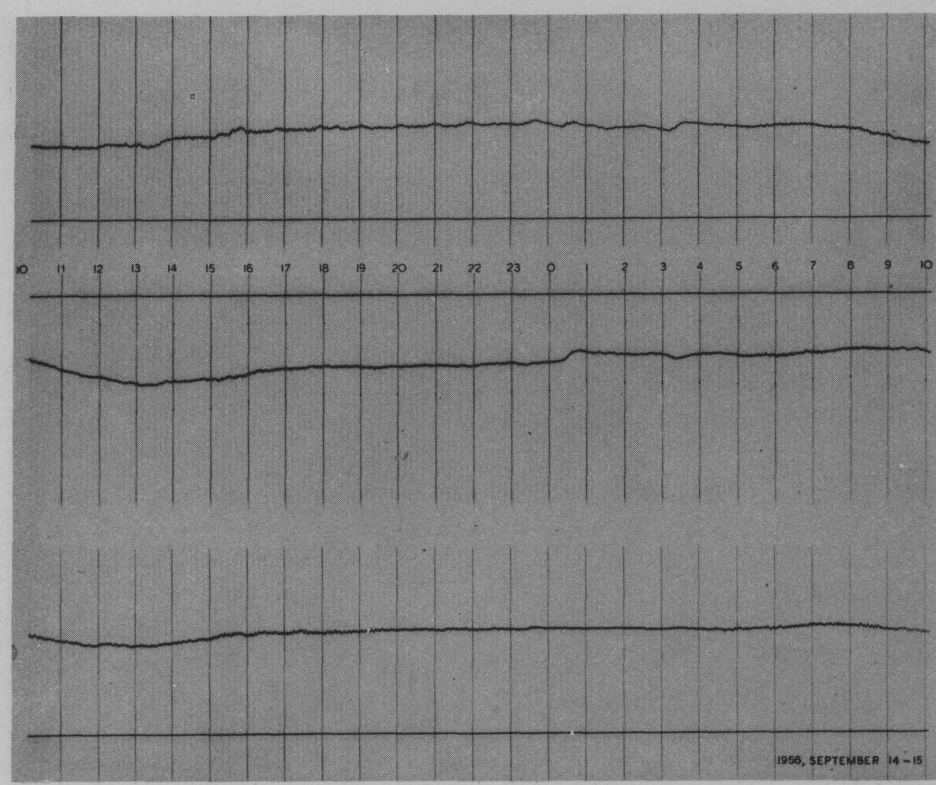



SEPTEMBER 12–13

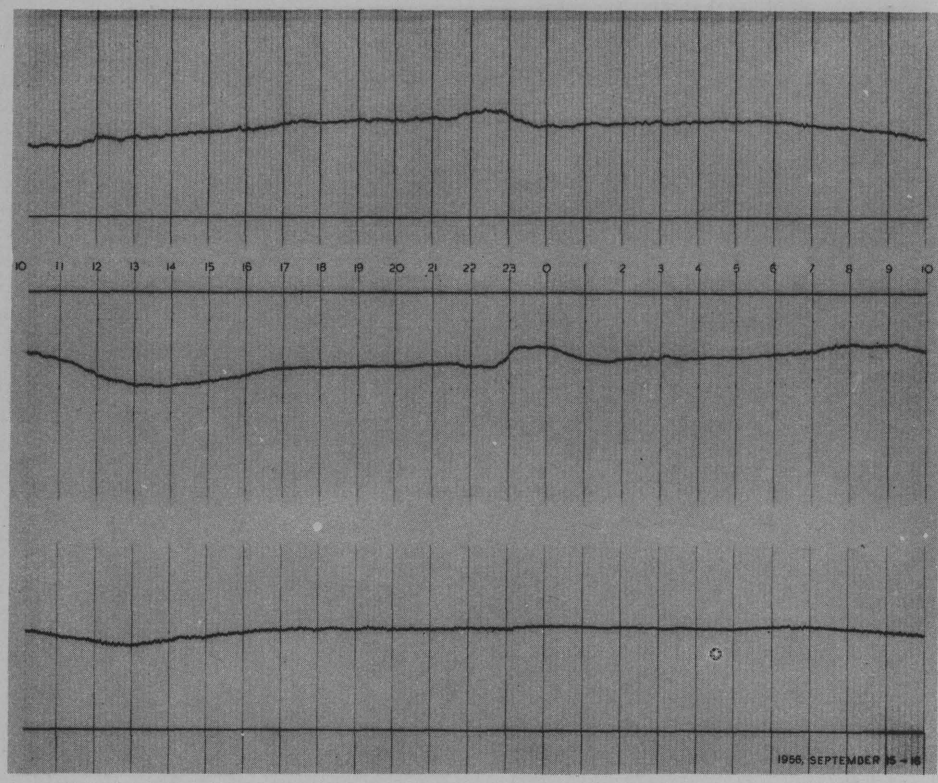
1956




SEPTEMBER 13–14




SEPTEMBER 14–15

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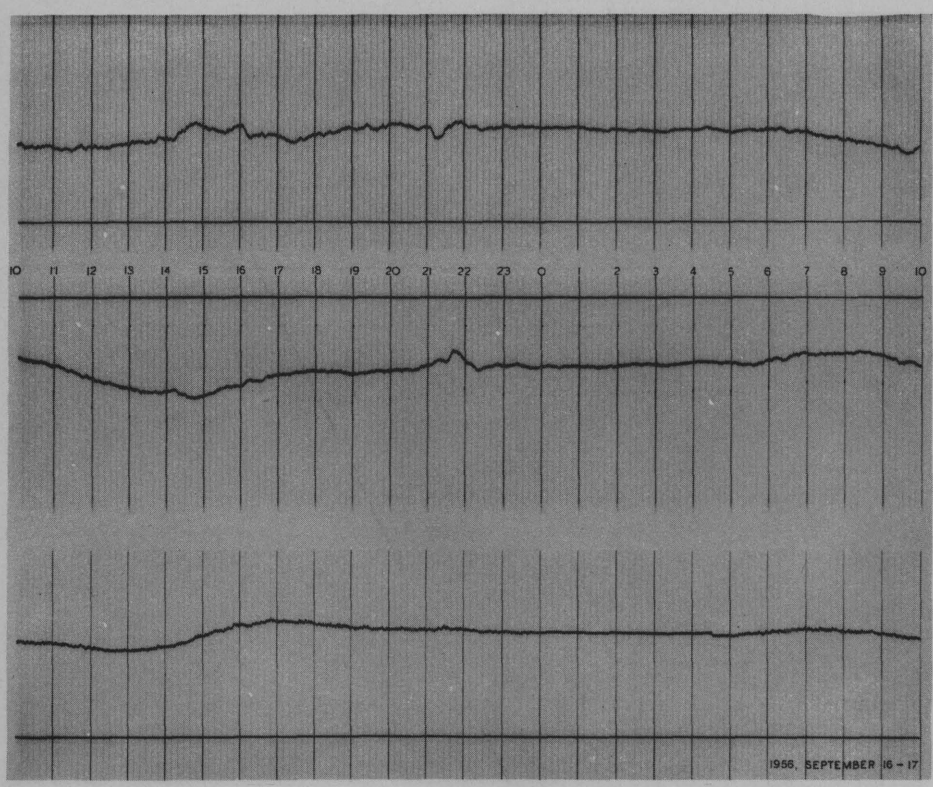
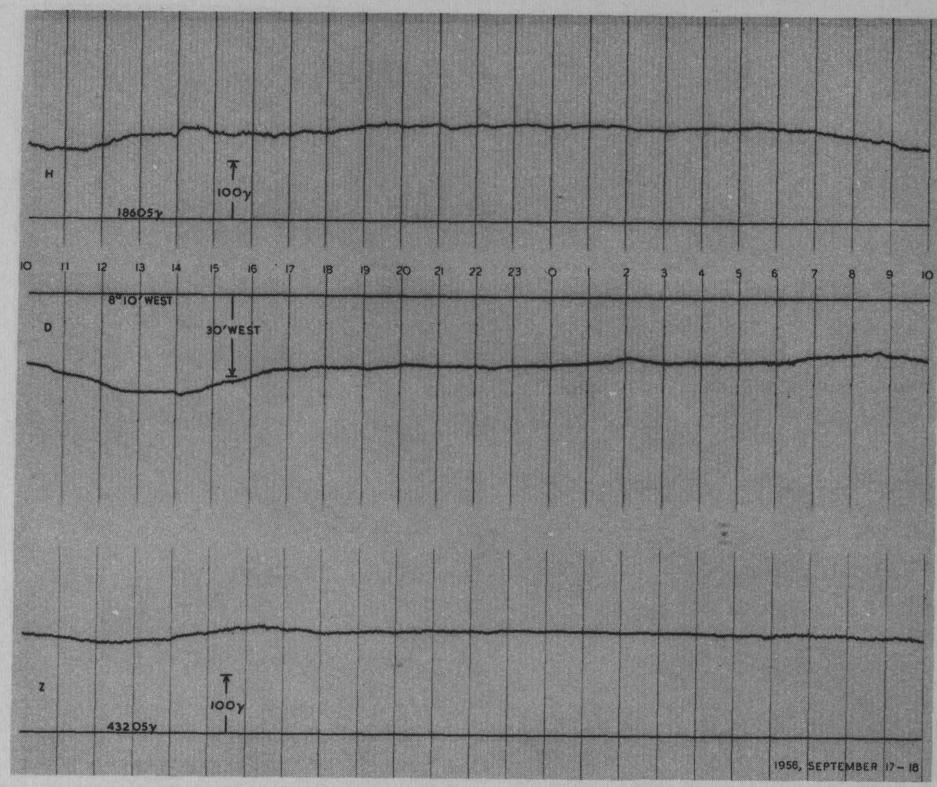
SEPTEMBER 15–16

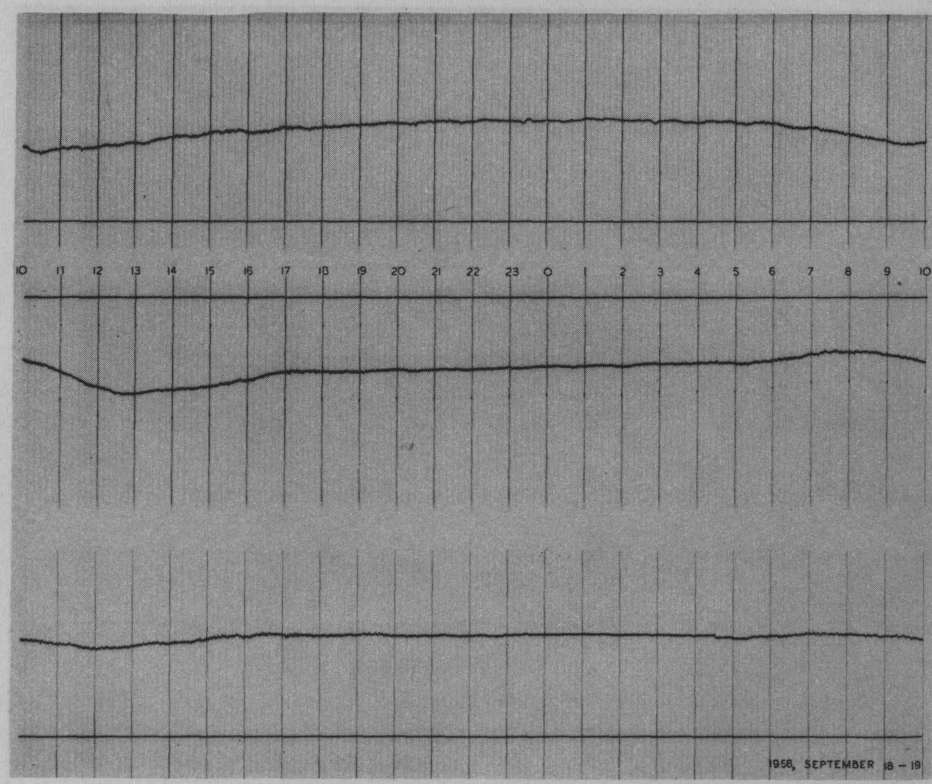



SEPTEMBER 16–17

1956

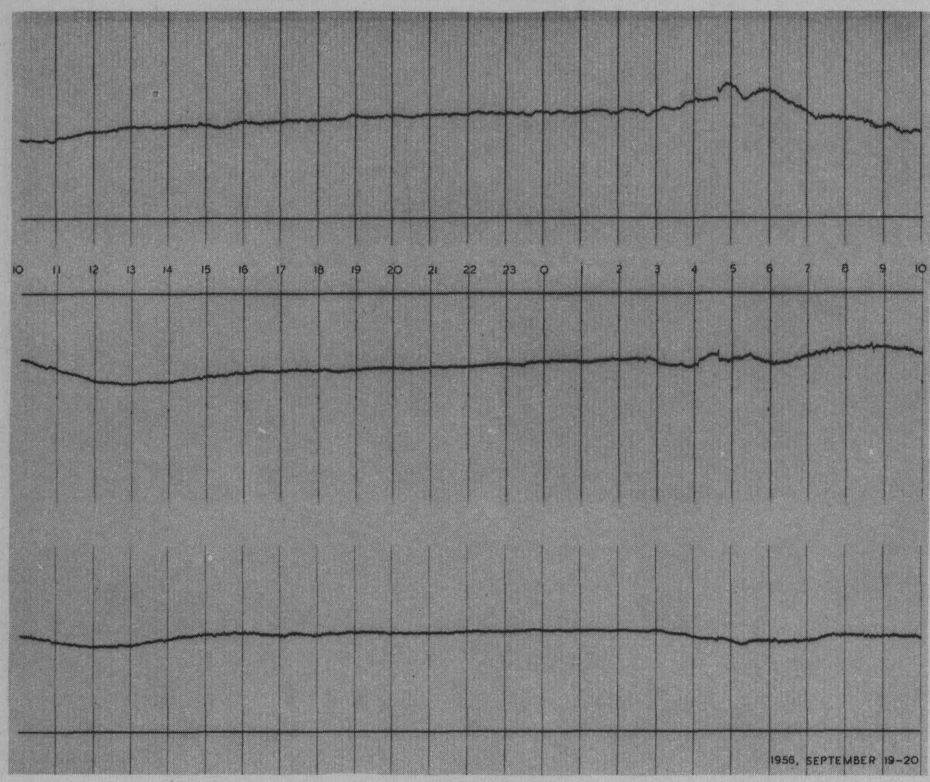



SEPTEMBER 17–18

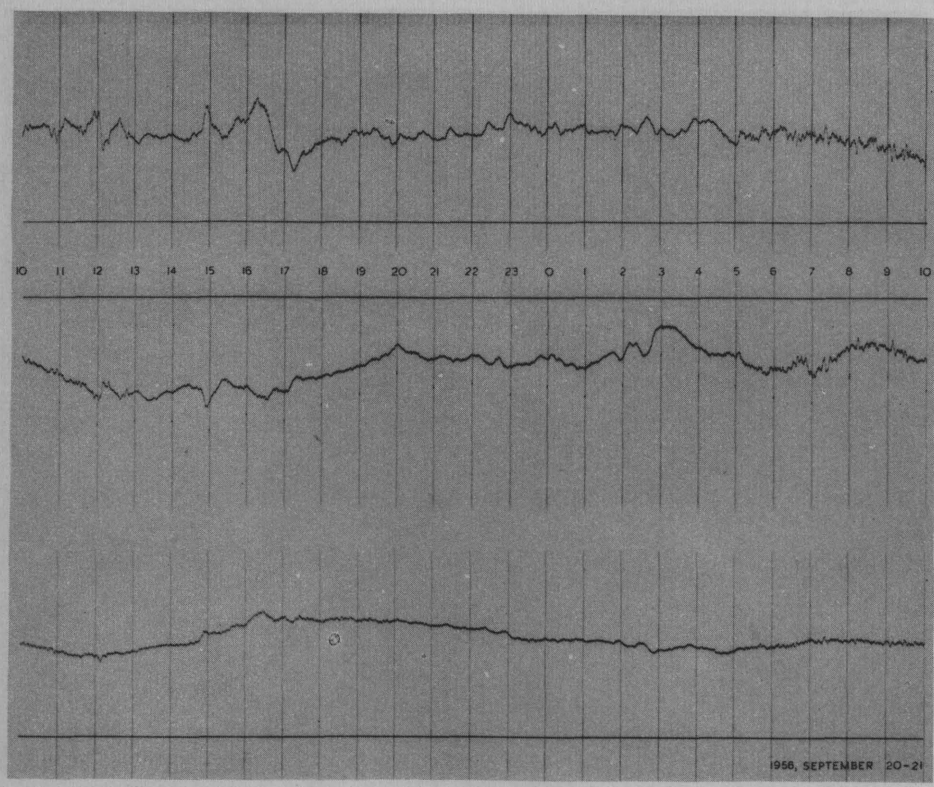



SEPTEMBER 18–19

1956

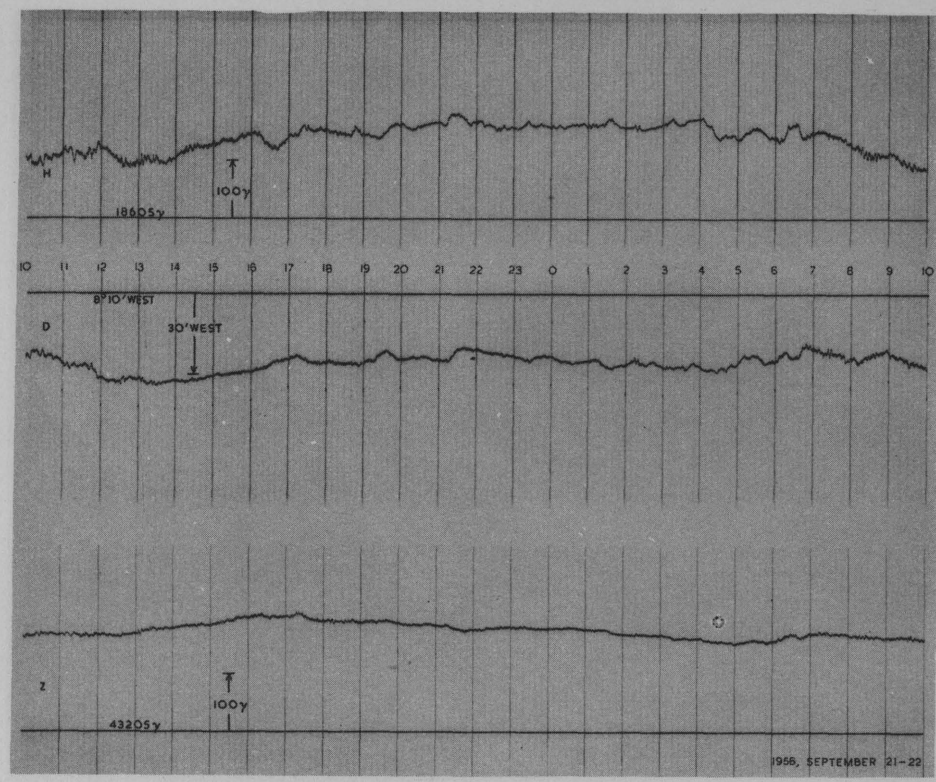



SEPTEMBER 19–20

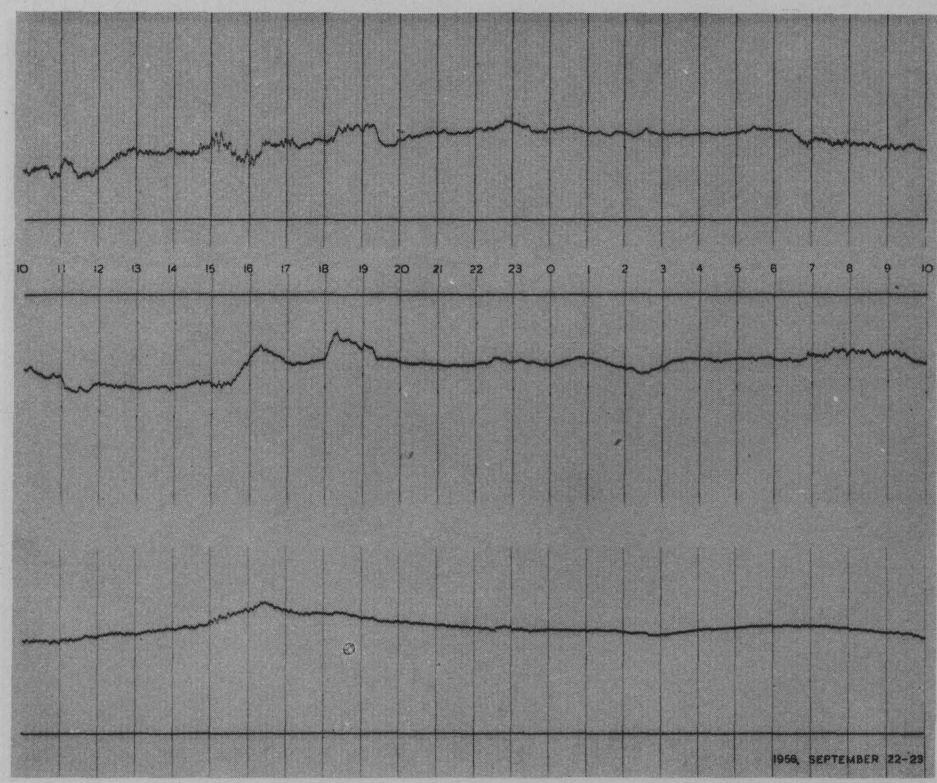



SEPTEMBER 20–21

1956

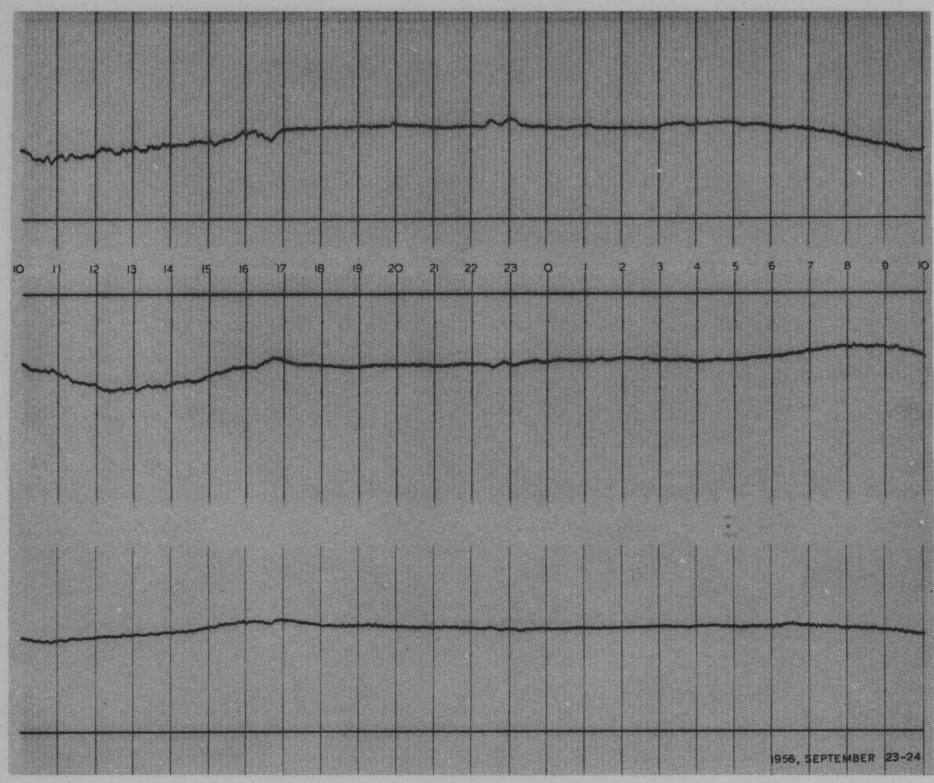



SEPTEMBER 21–22

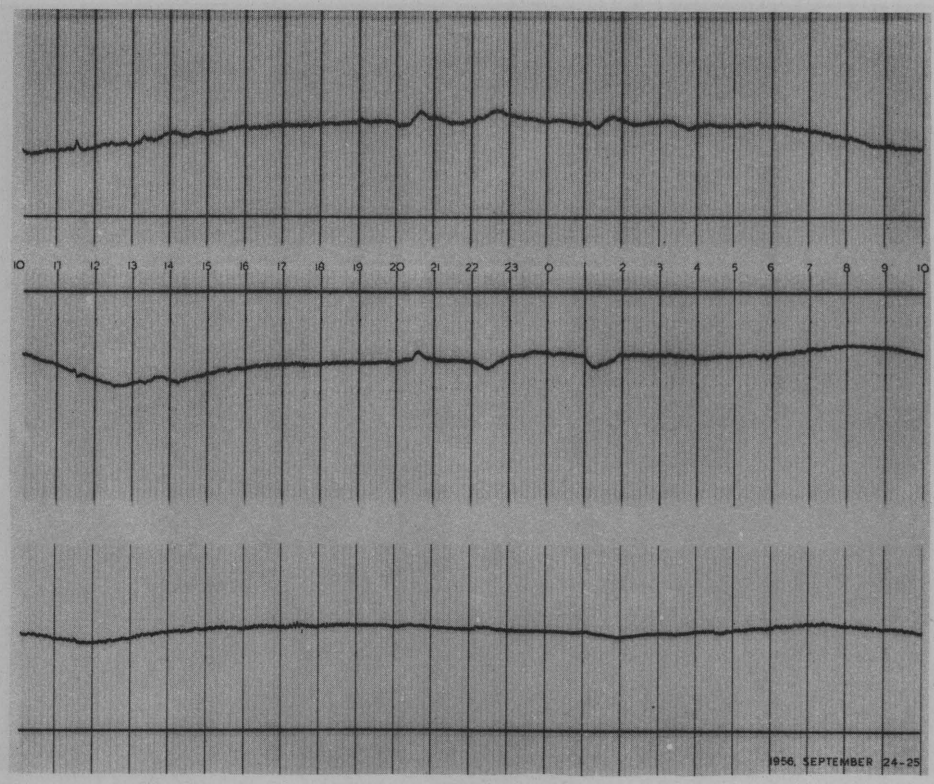



SEPTEMBER 22–23

1956

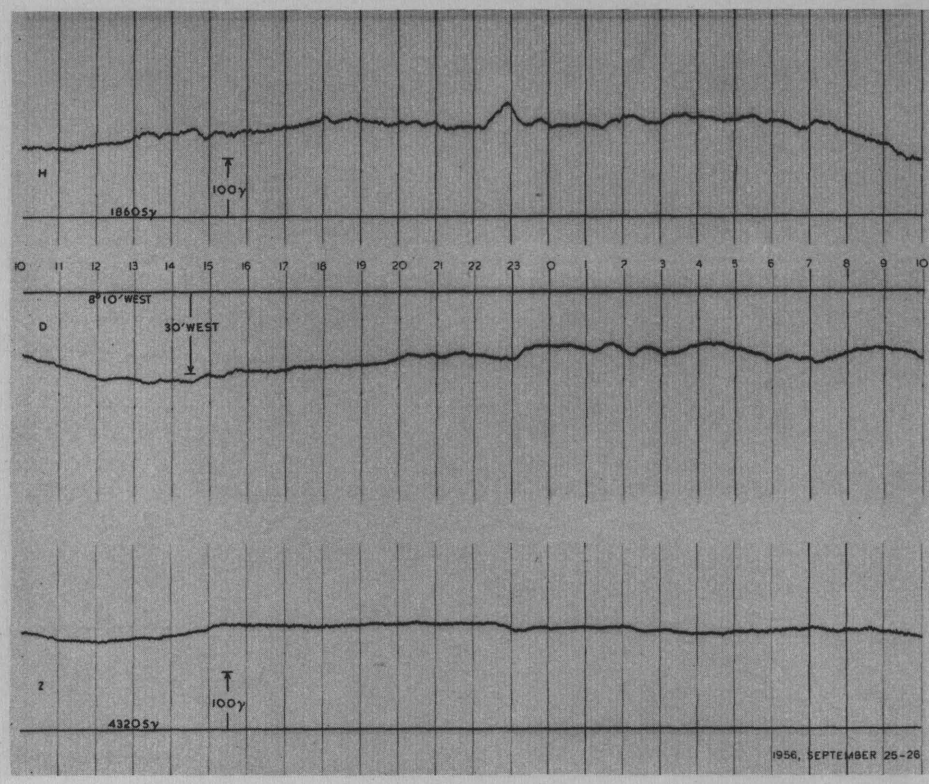



SEPTEMBER 23–24

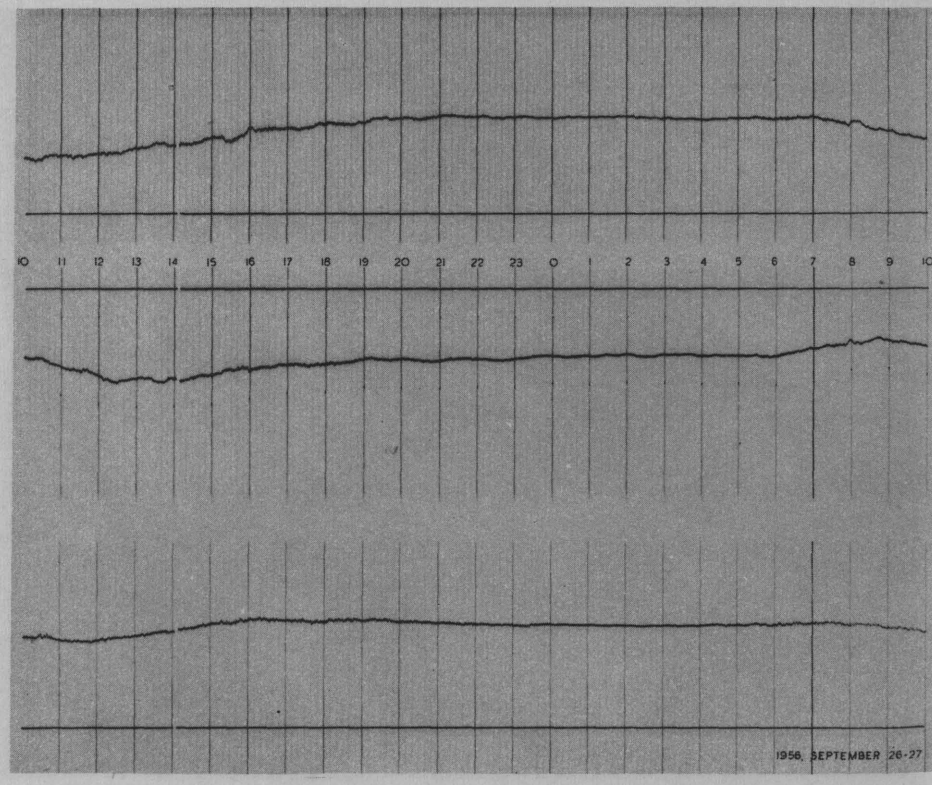



SEPTEMBER 24–25

1956

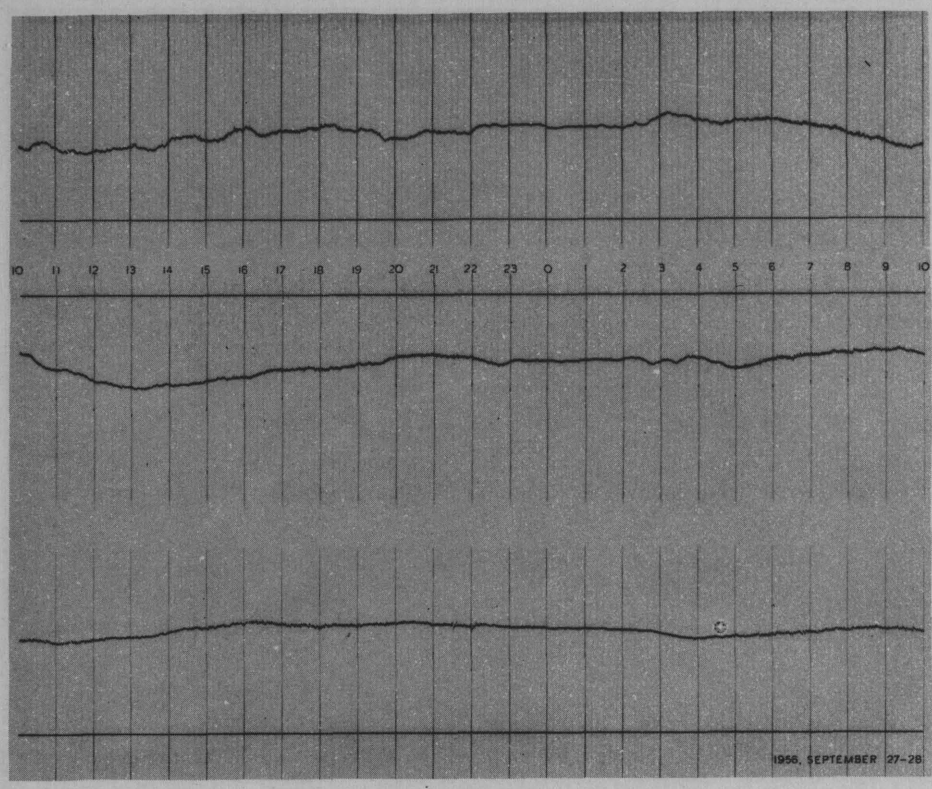



SEPTEMBER 25–26

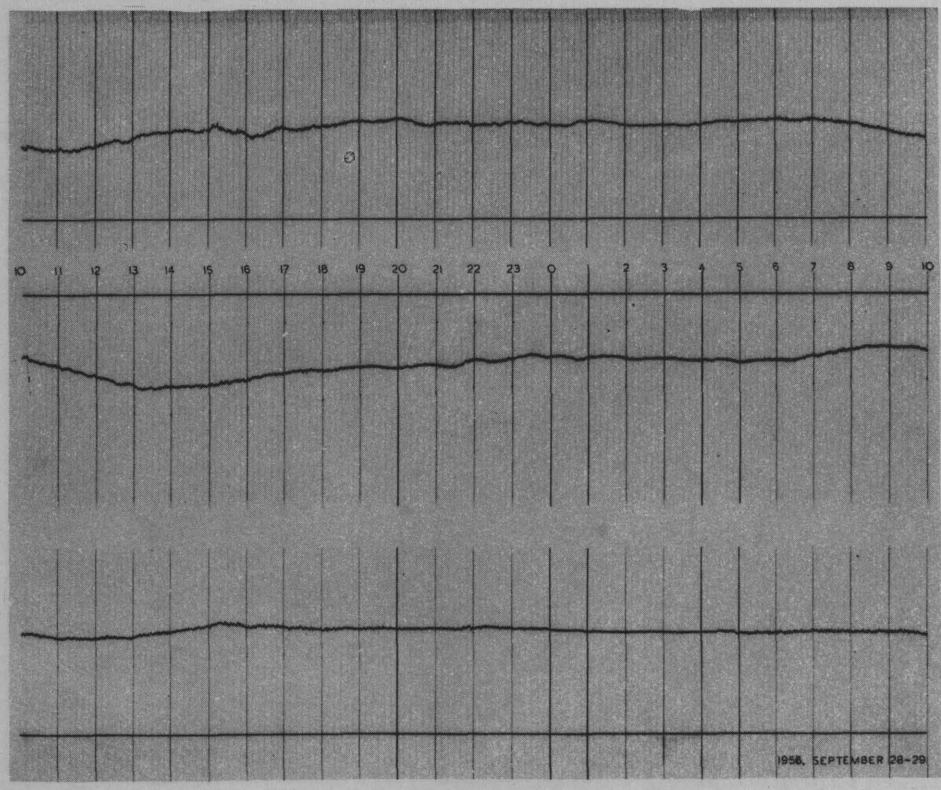



SEPTEMBER 26–27

1956

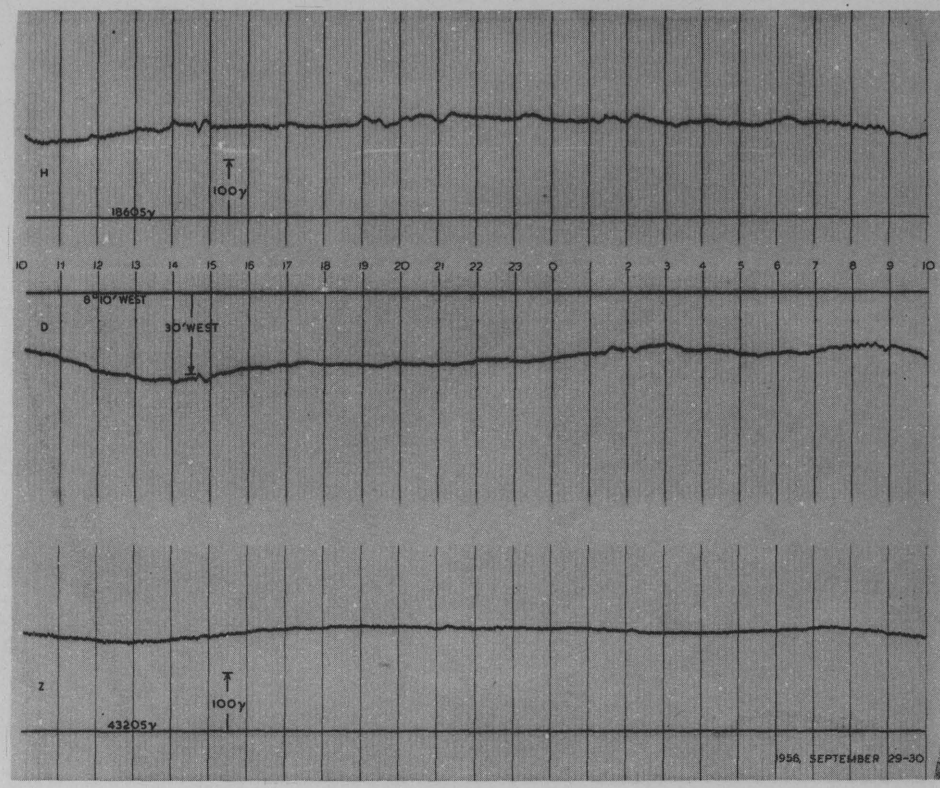



SEPTEMBER 27–28

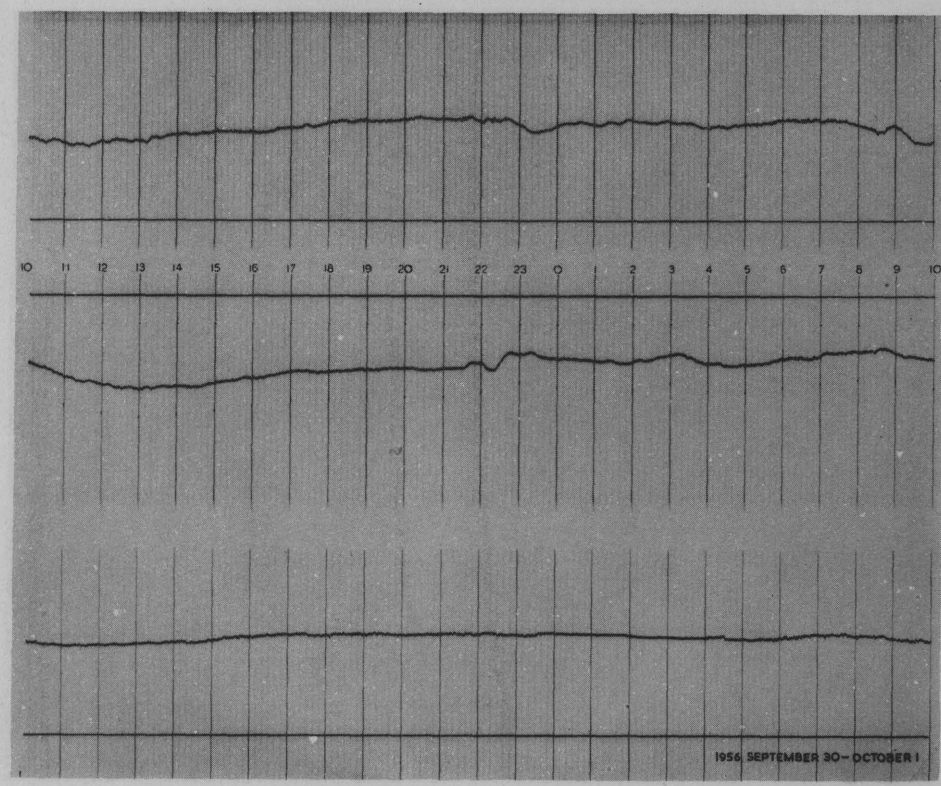



SEPTEMBER 28–29

1956

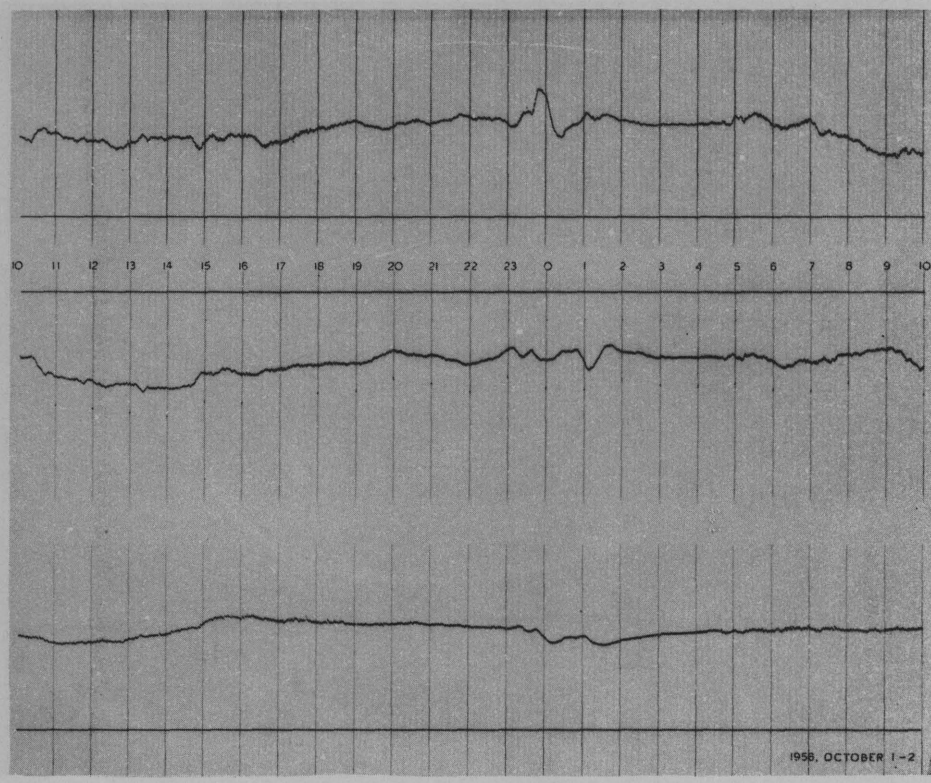



SEPTEMBER 29–30

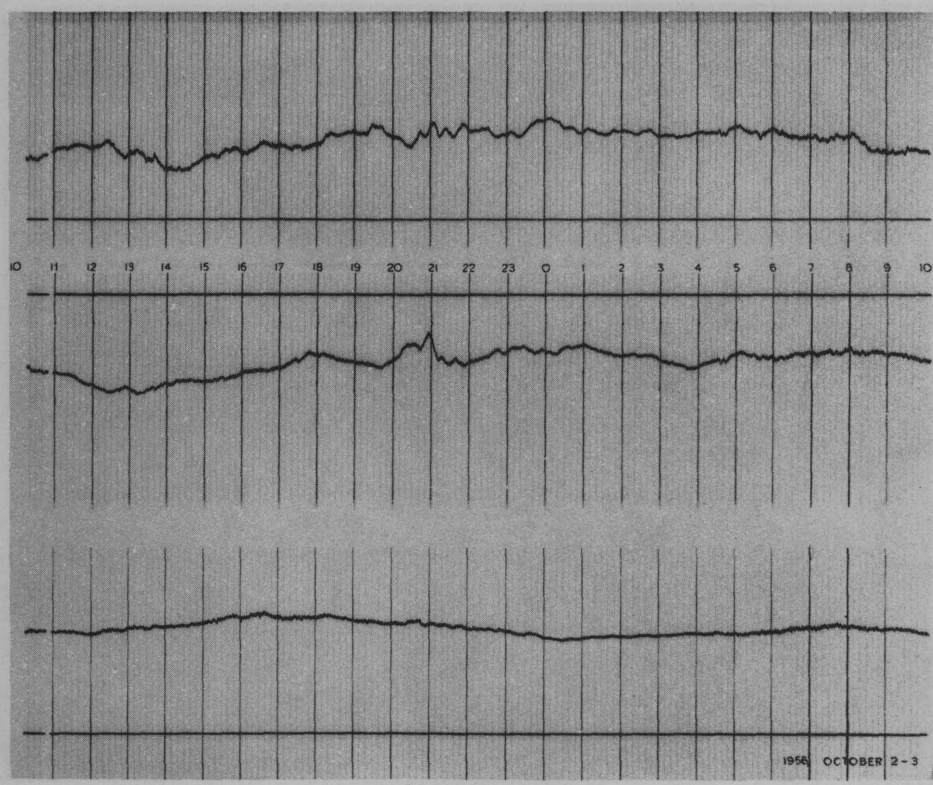



SEP. 30–OCT. 1

1956

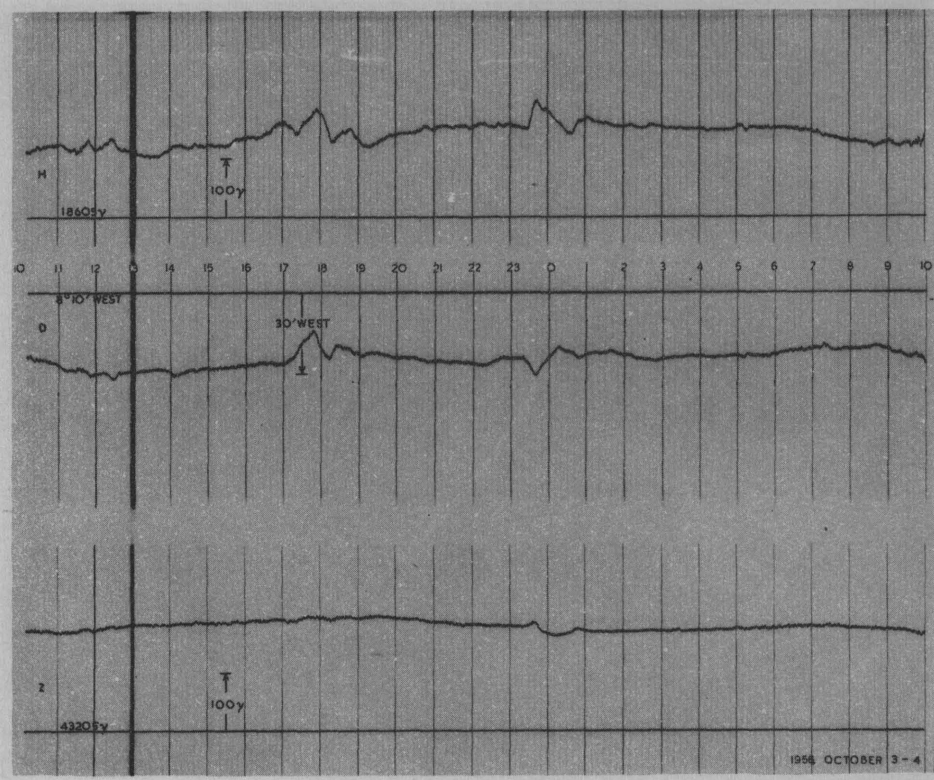



OCTOBER 1–2

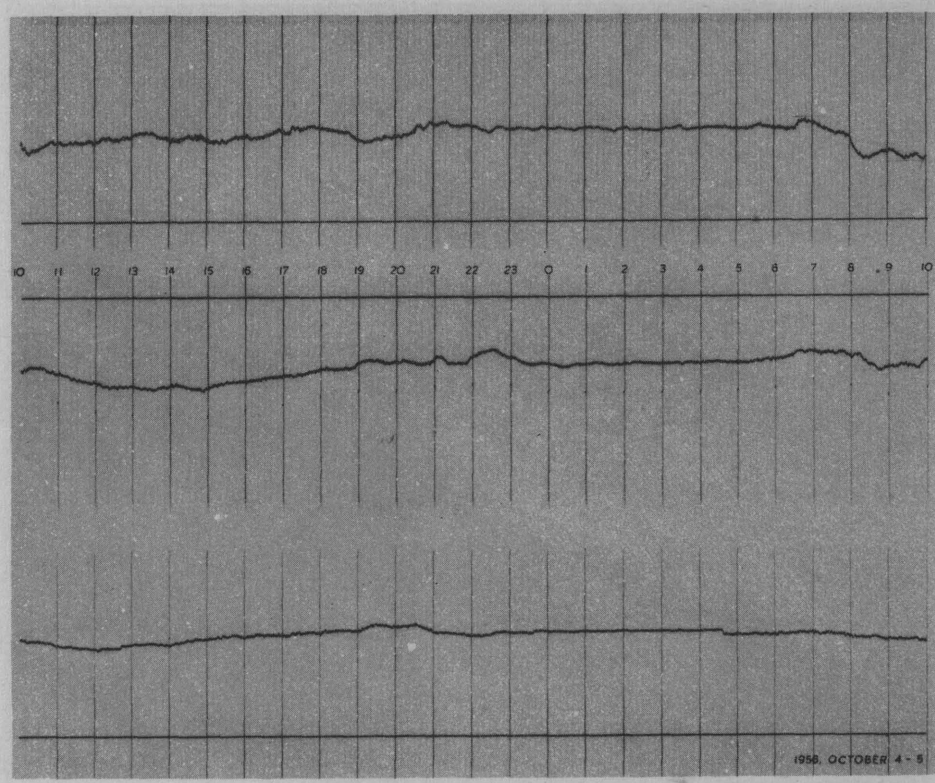



OCTOBER 2–3

1956

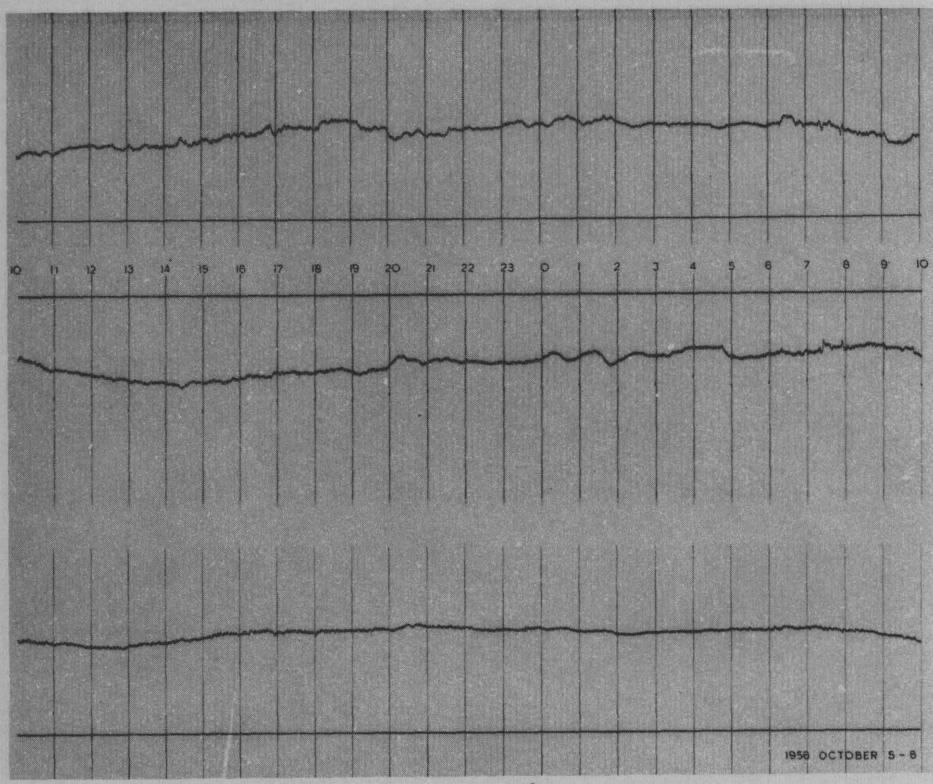



OCTOBER 3–4

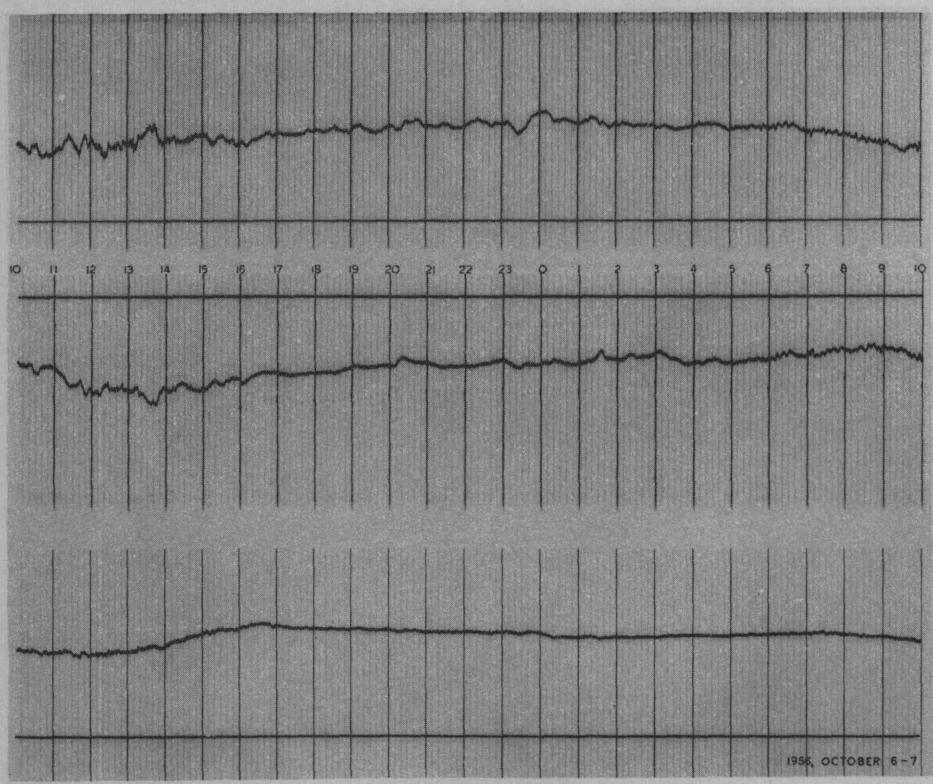



OCTOBER 4–5

1956

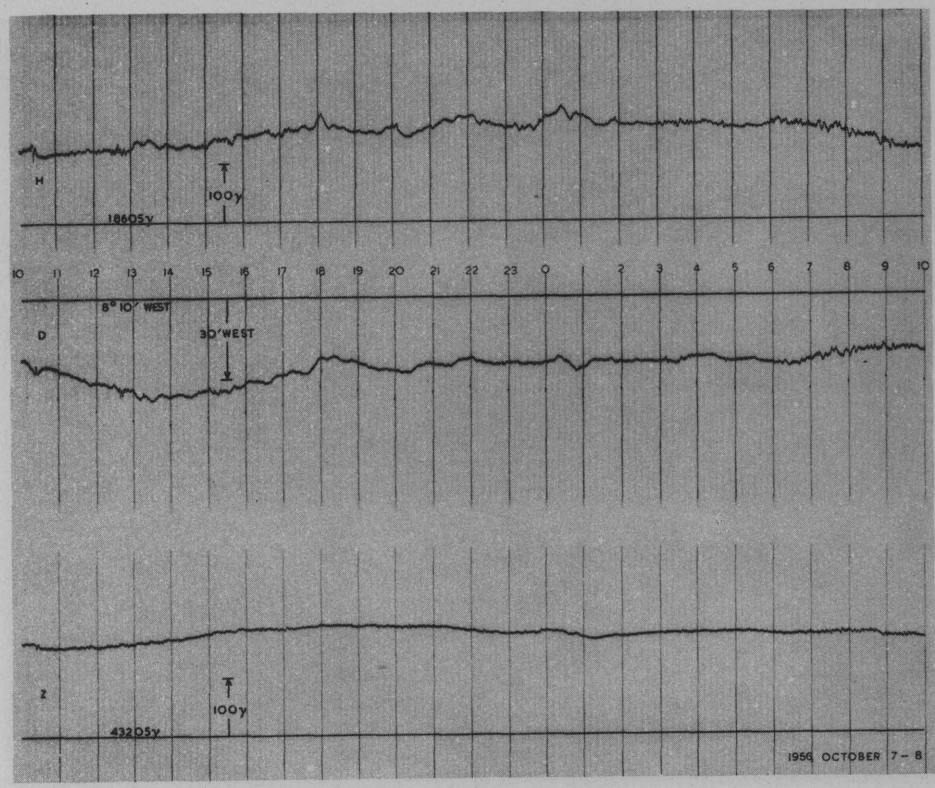



OCTOBER 5–6

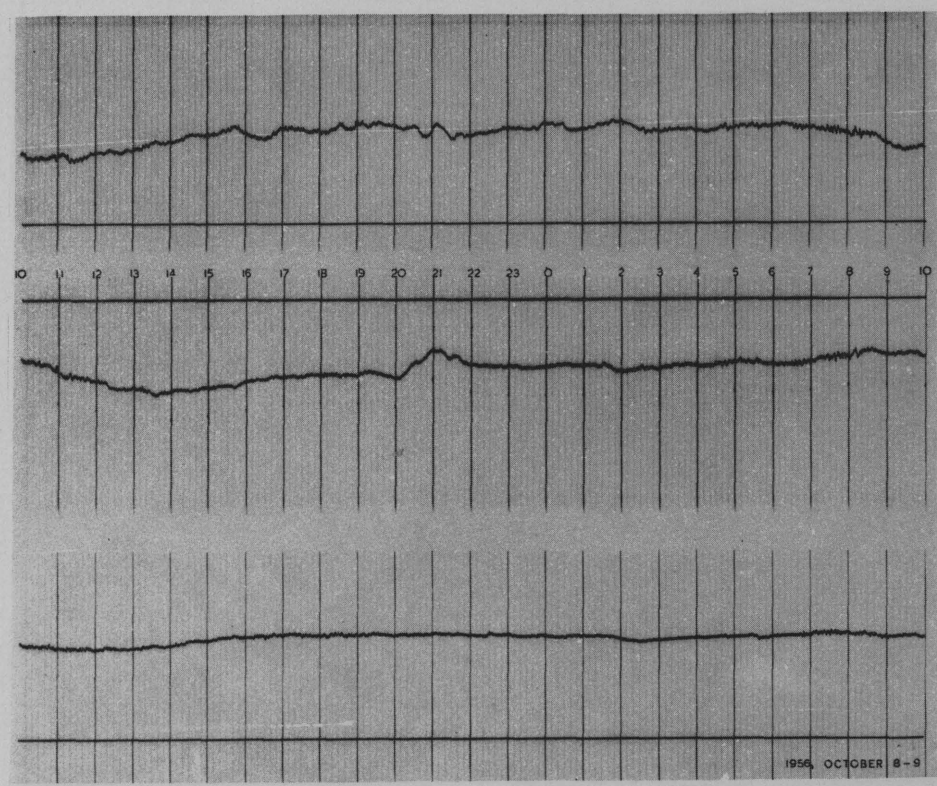



OCTOBER 6–7

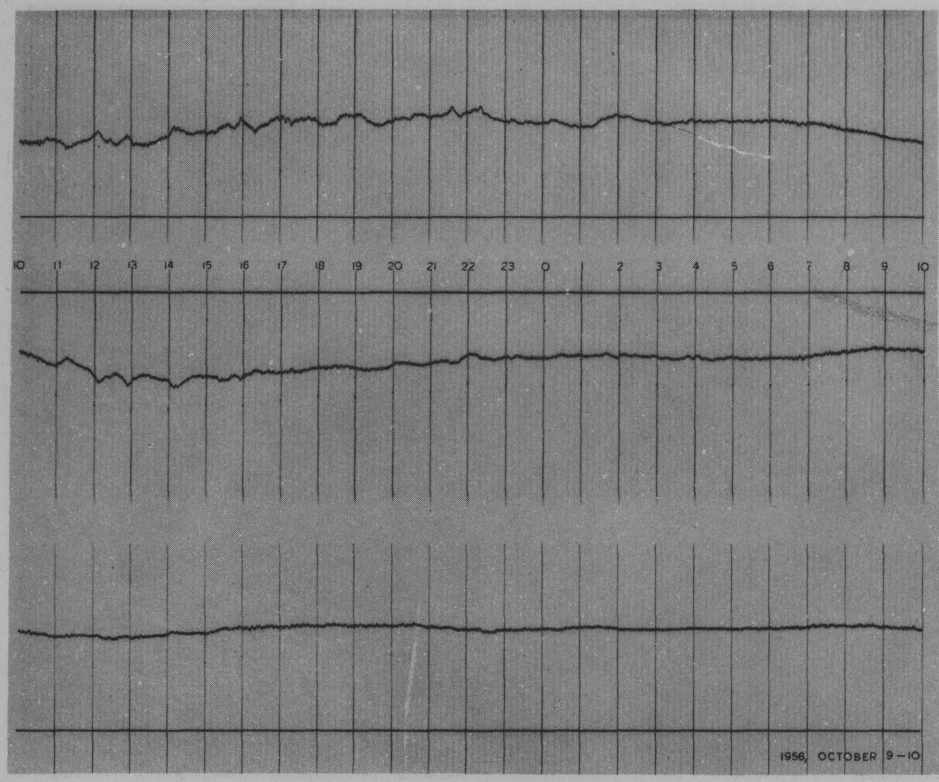
1956




OCTOBER 7–8

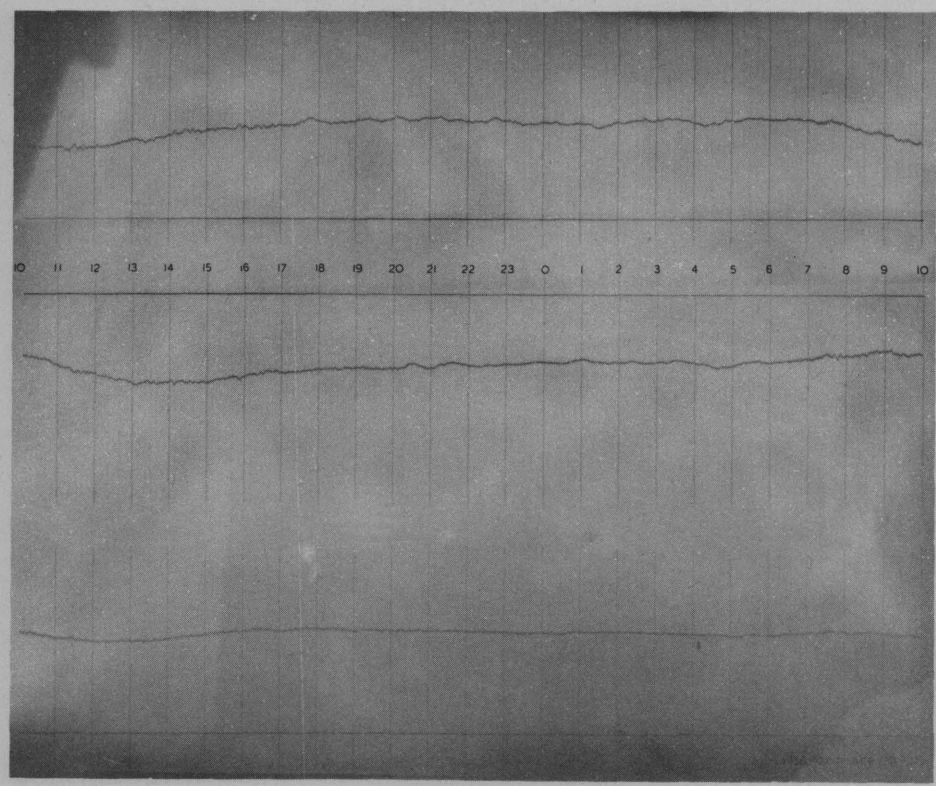



OCTOBER 8–9



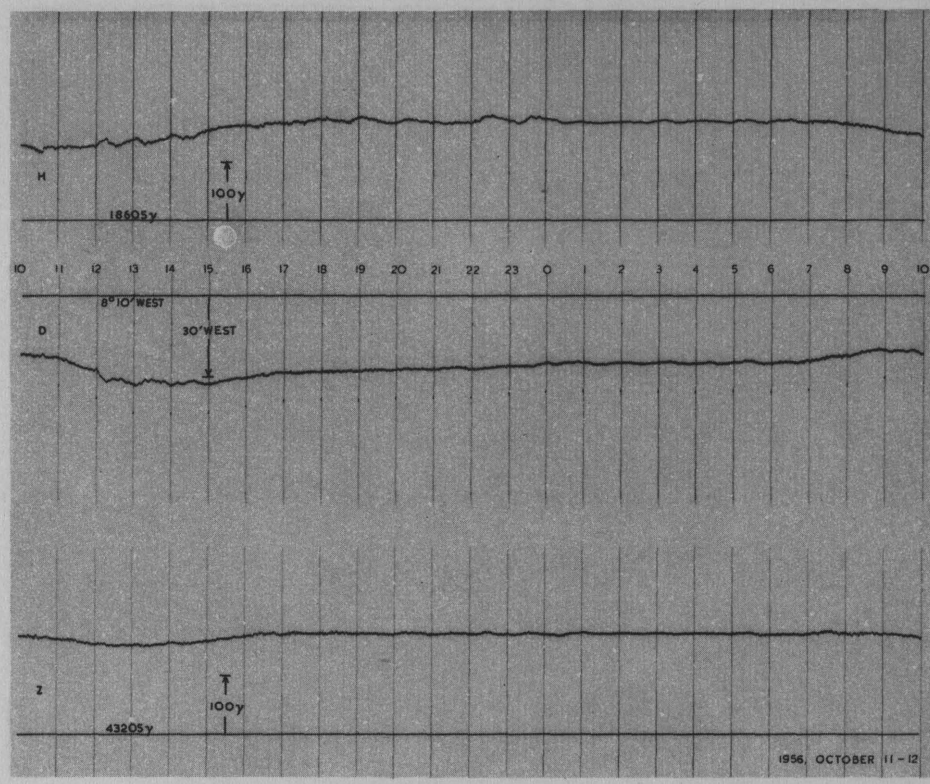

1956

OCTOBER 9–10

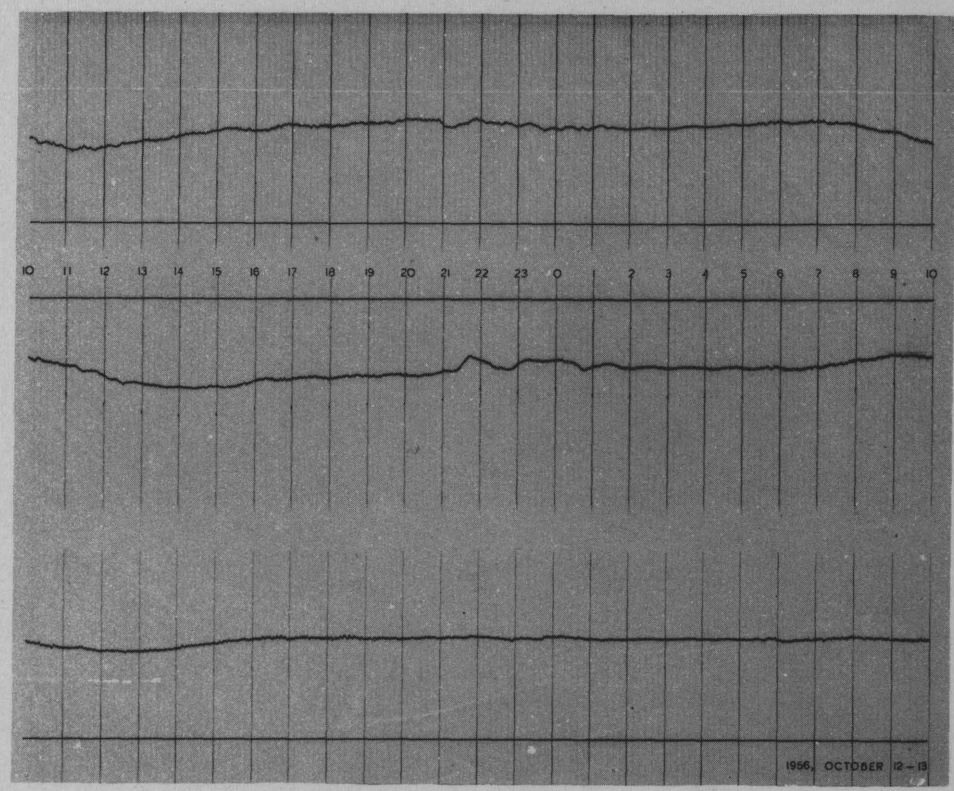



OCTOBER 10–11

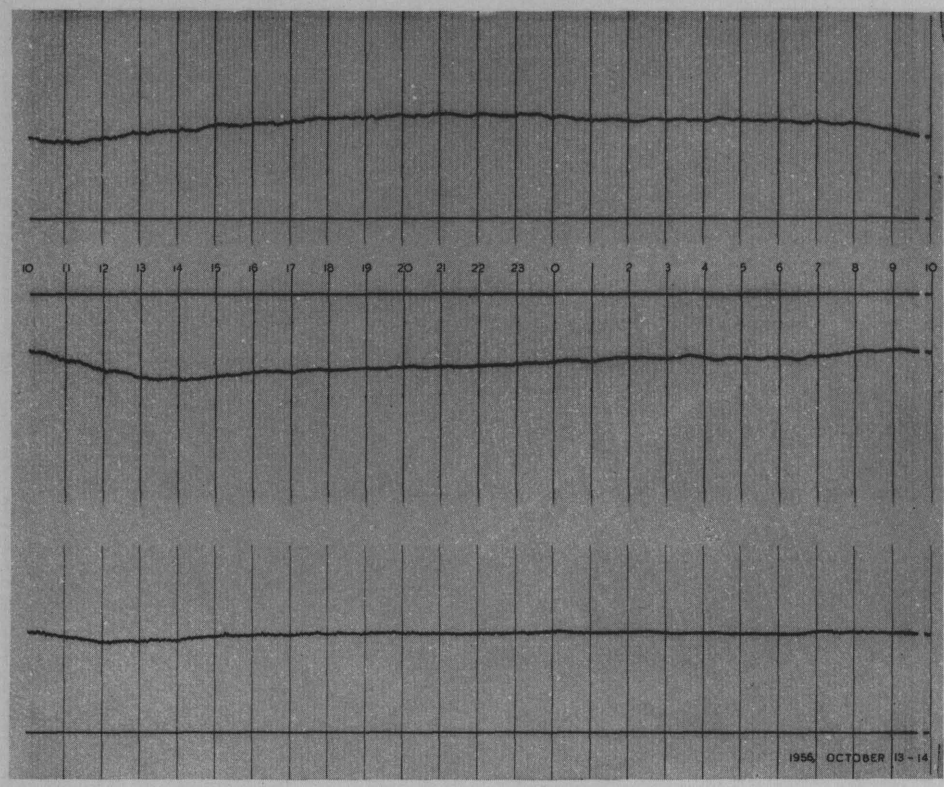
1956




OCTOBER 11–12

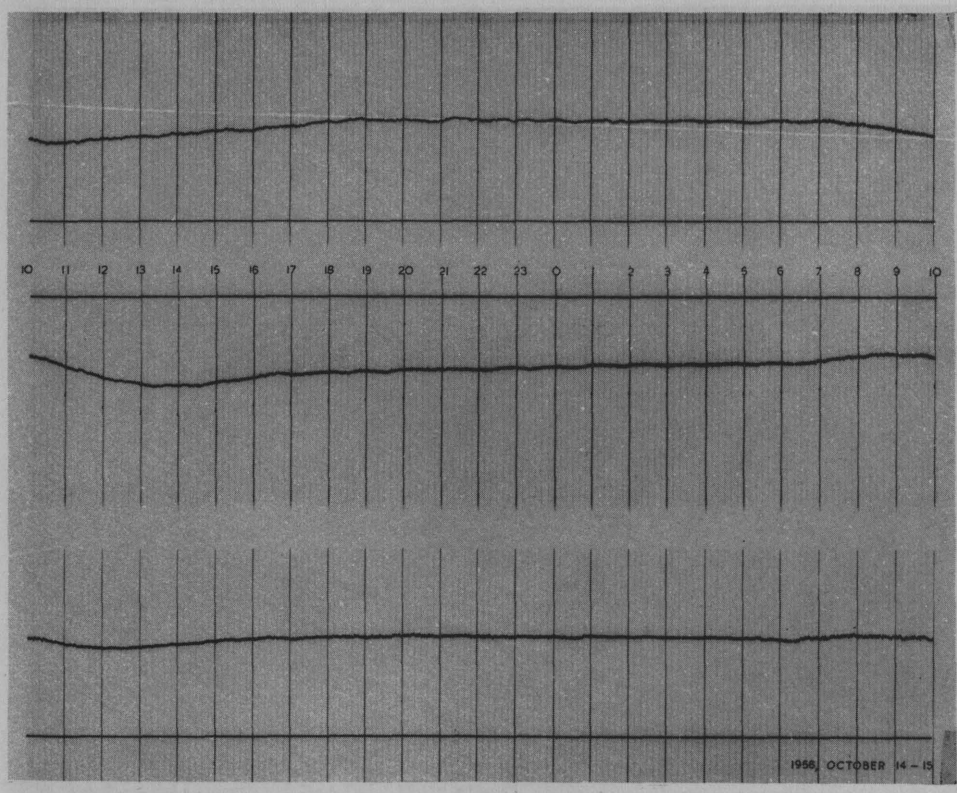



OCTOBER 12–13



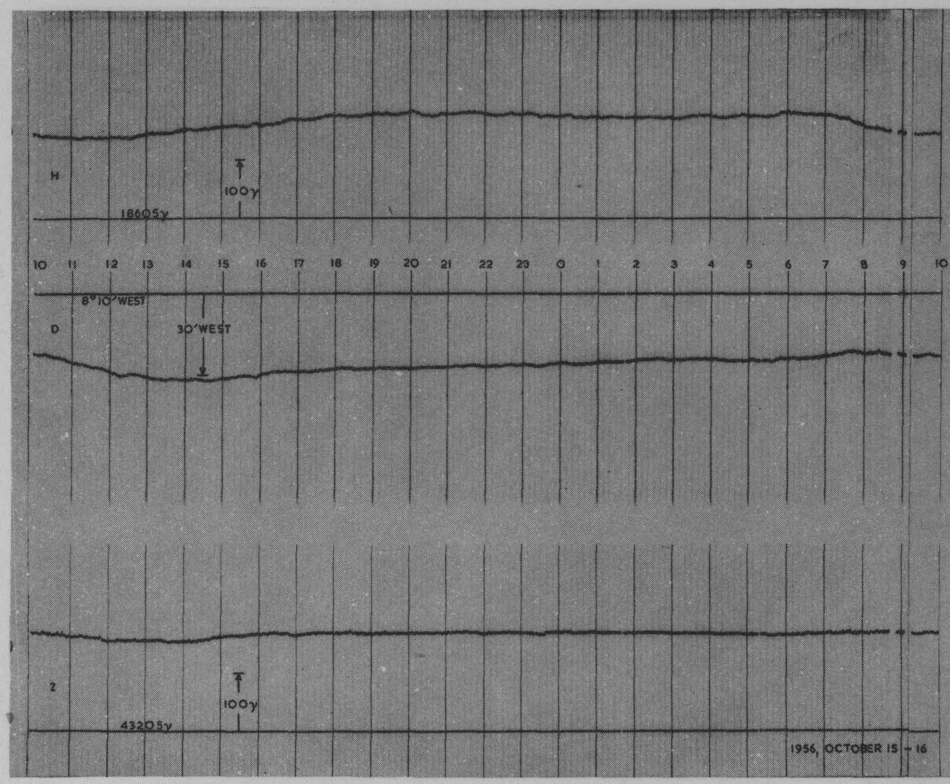

1956

OCTOBER 13–14

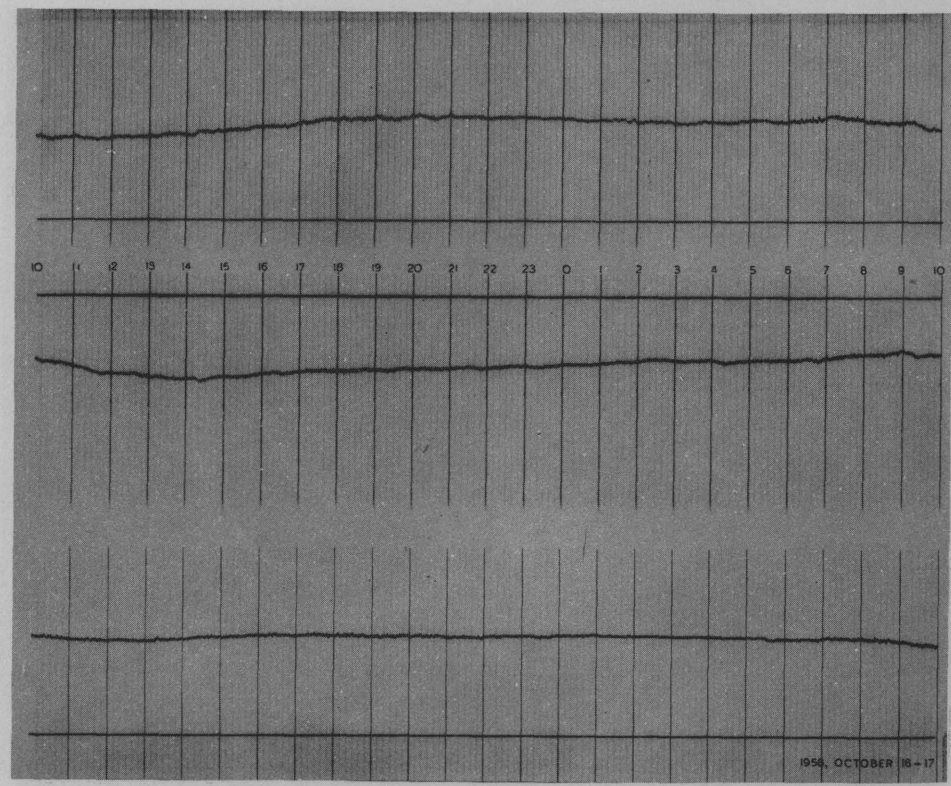



OCTOBER 14–15

1956

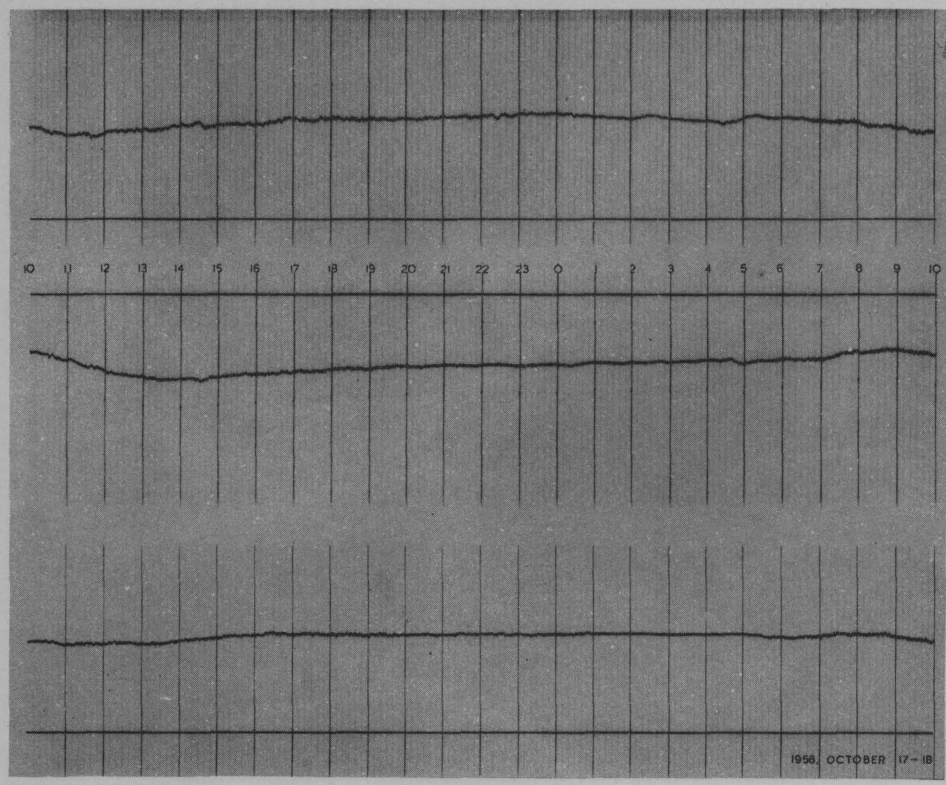



OCTOBER 15–16

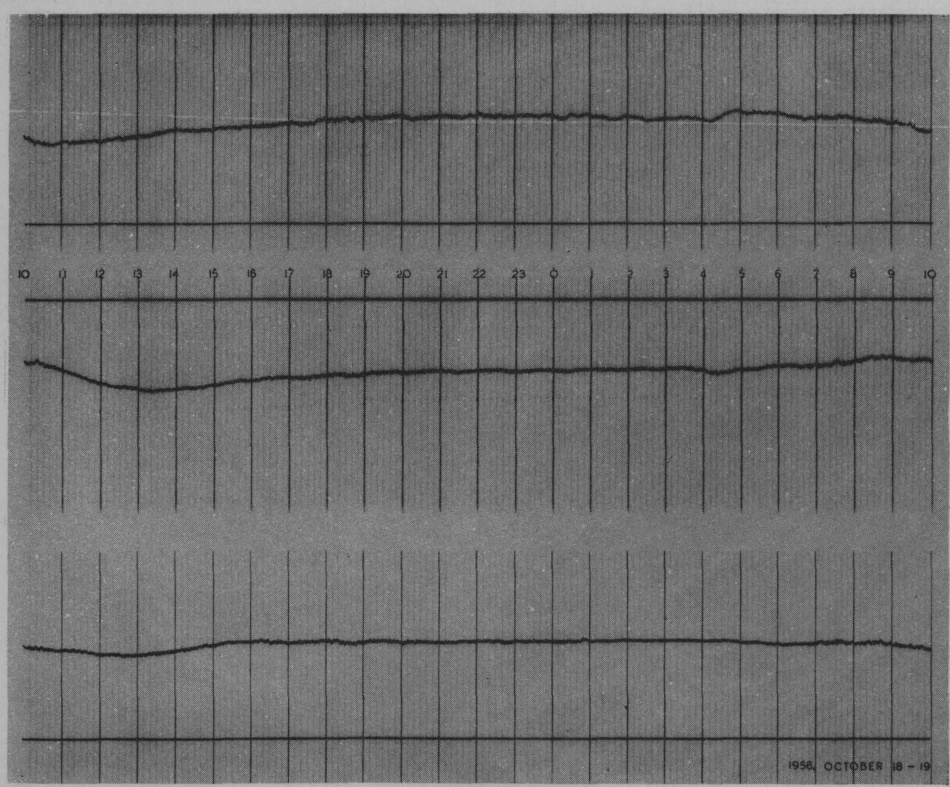



OCTOBER 16–17

1956

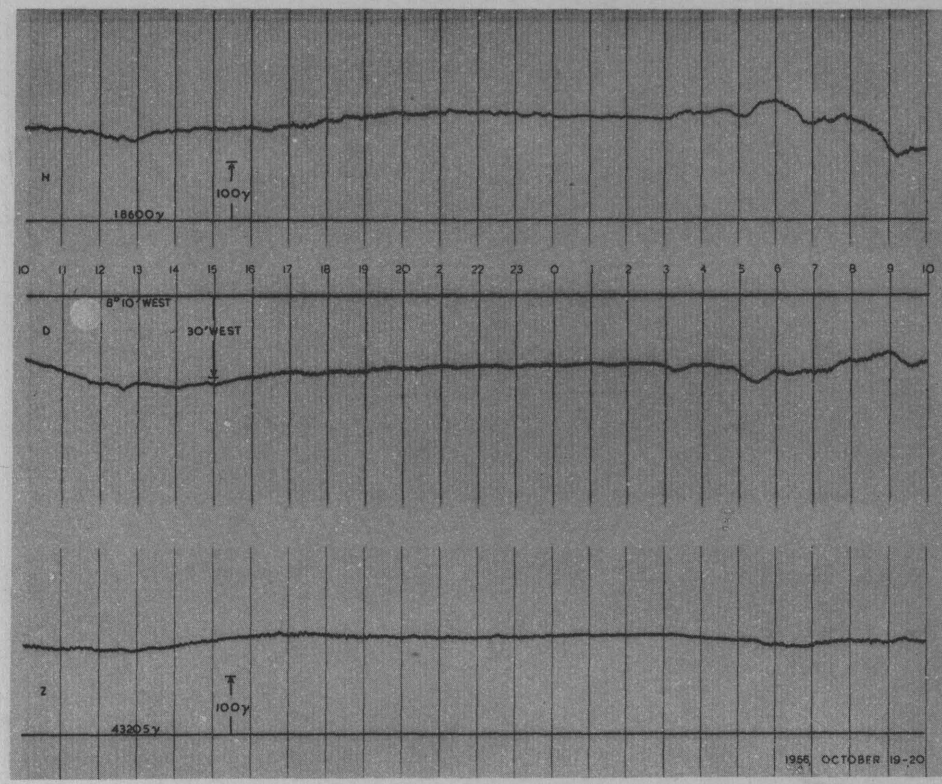



OCTOBER 17–18

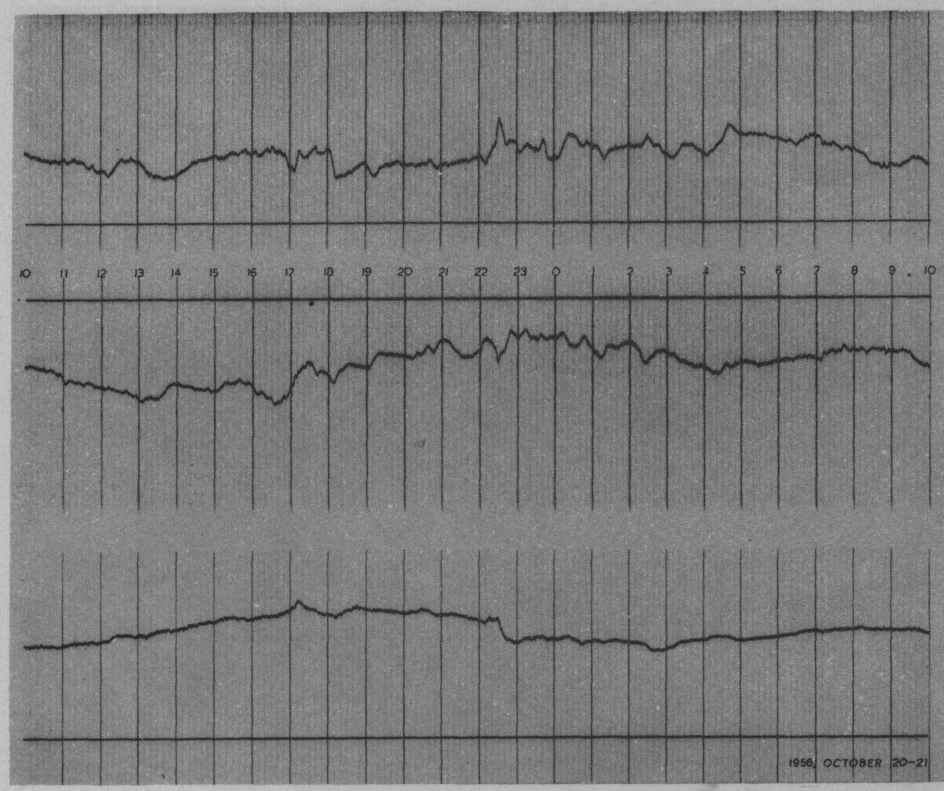



OCTOBER 18–19

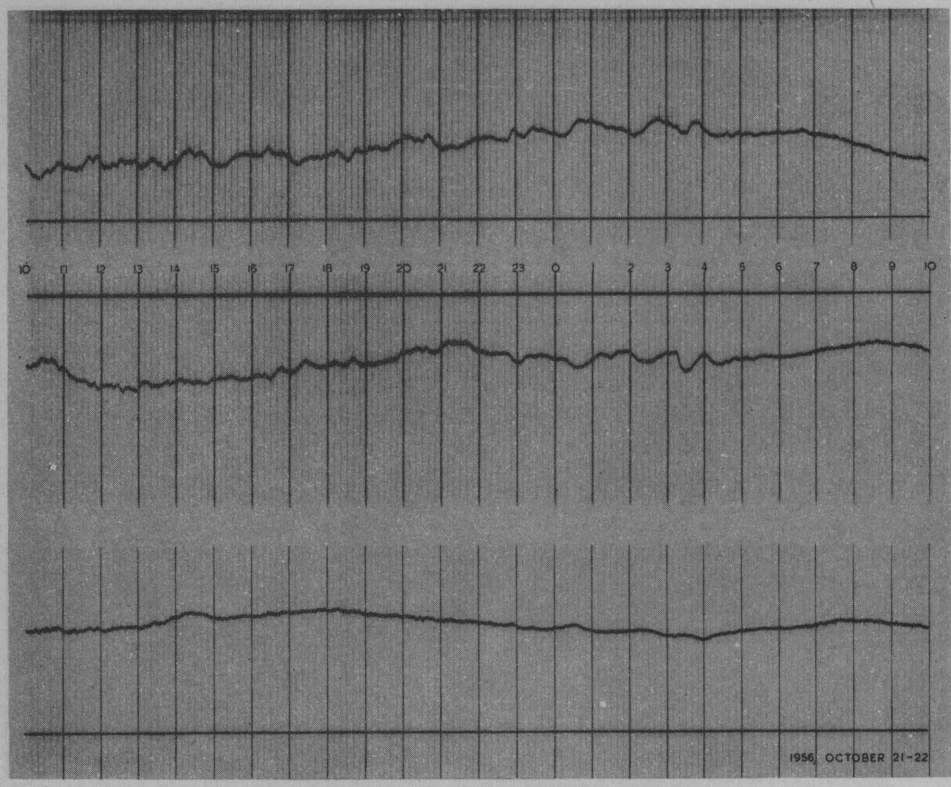
1956




OCTOBER 19–20




OCTOBER 20–21

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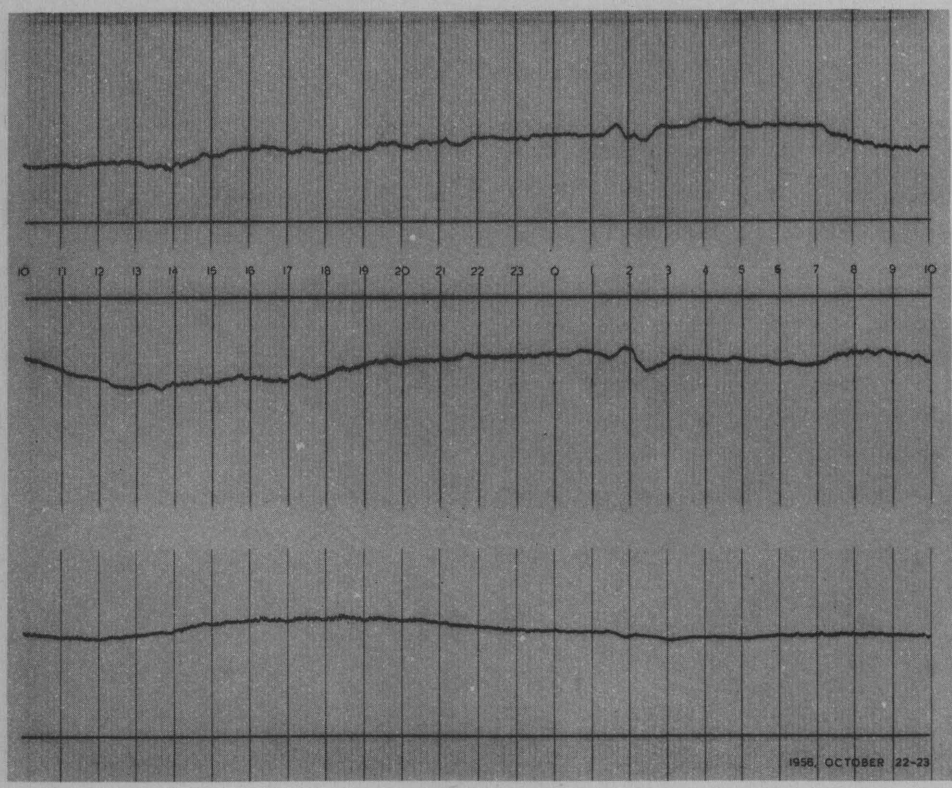
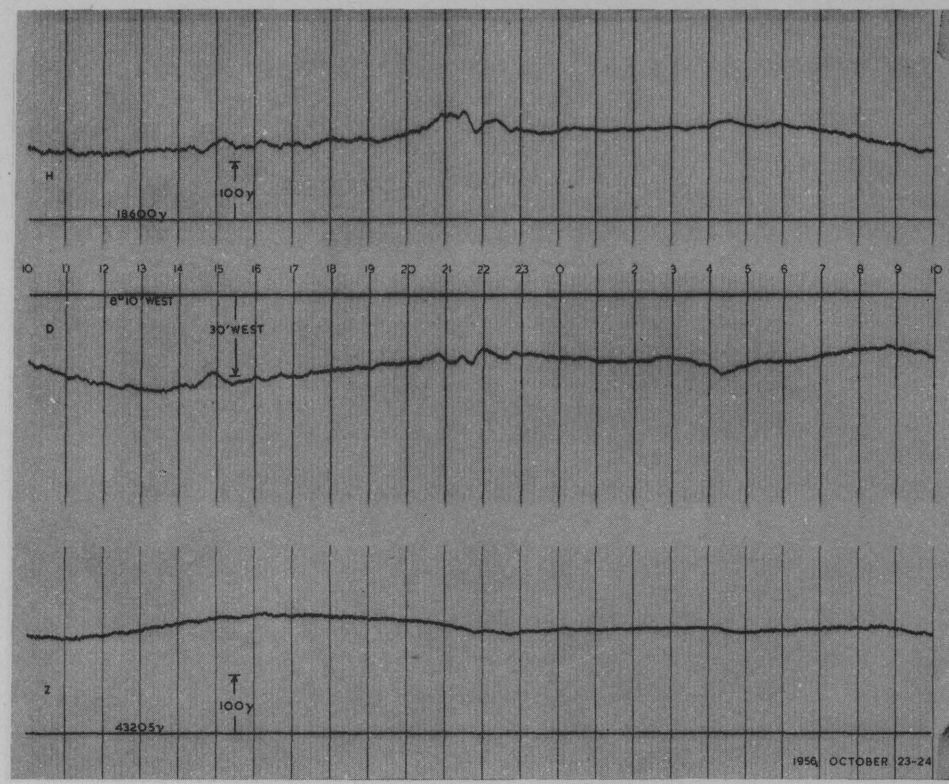
OCTOBER 21–22

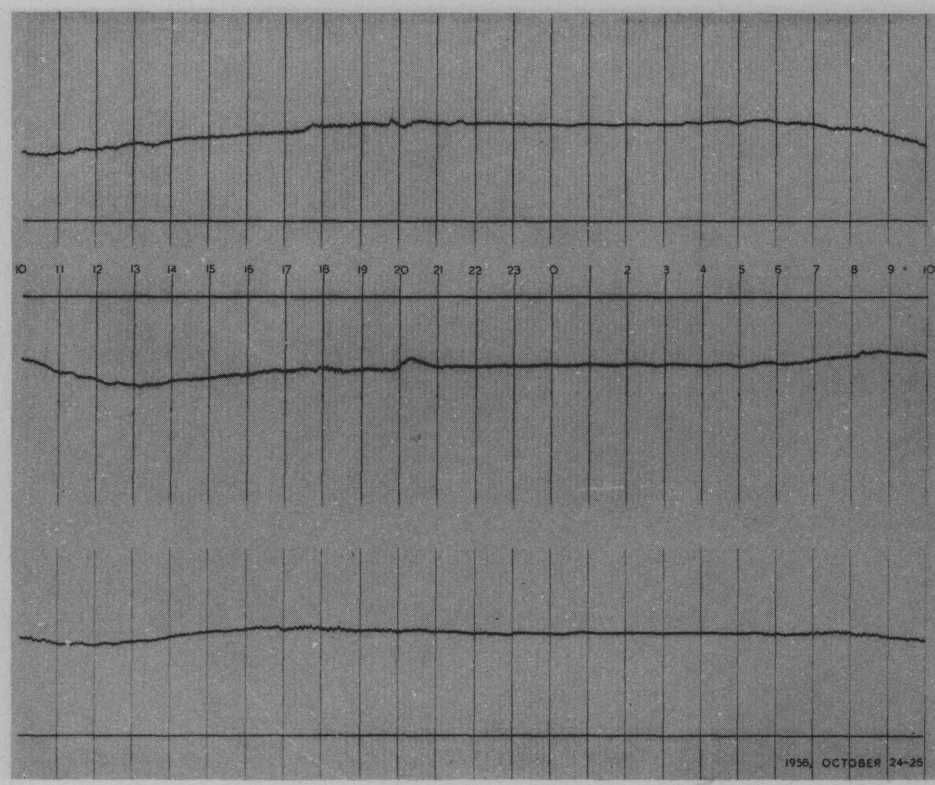



OCTOBER 22–23

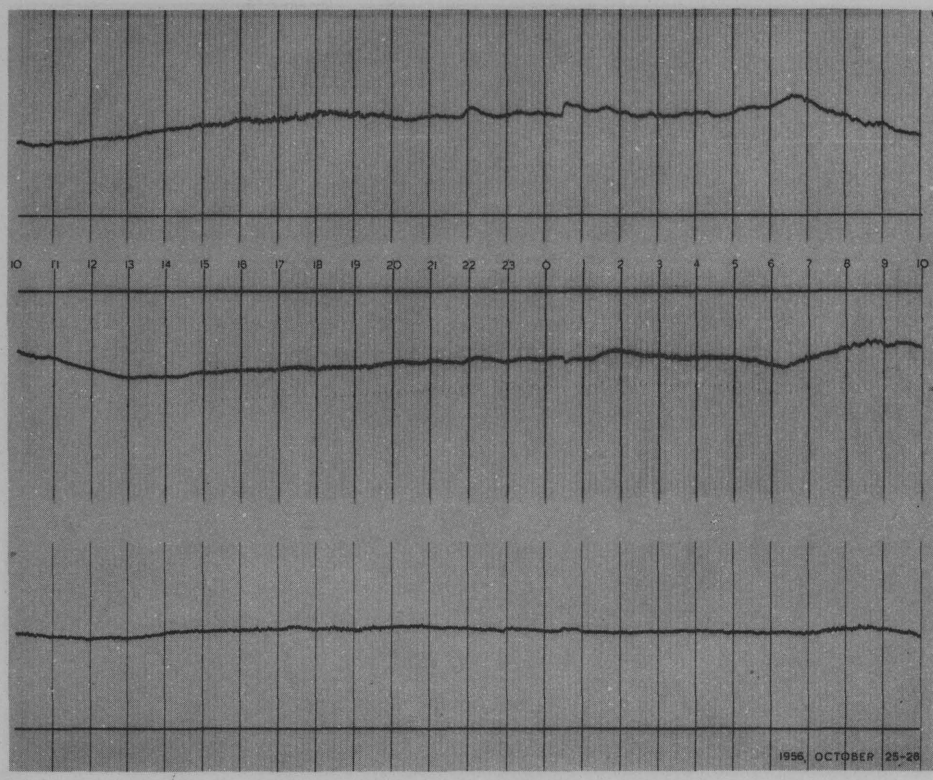
1956




OCTOBER 23–24




OCTOBER 24–25

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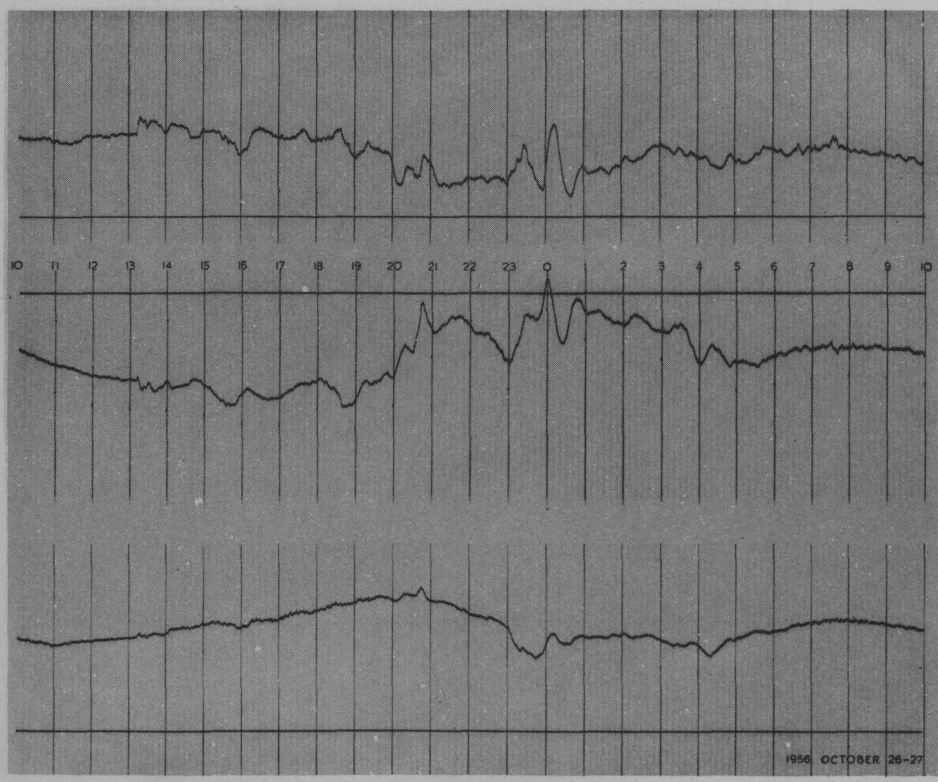
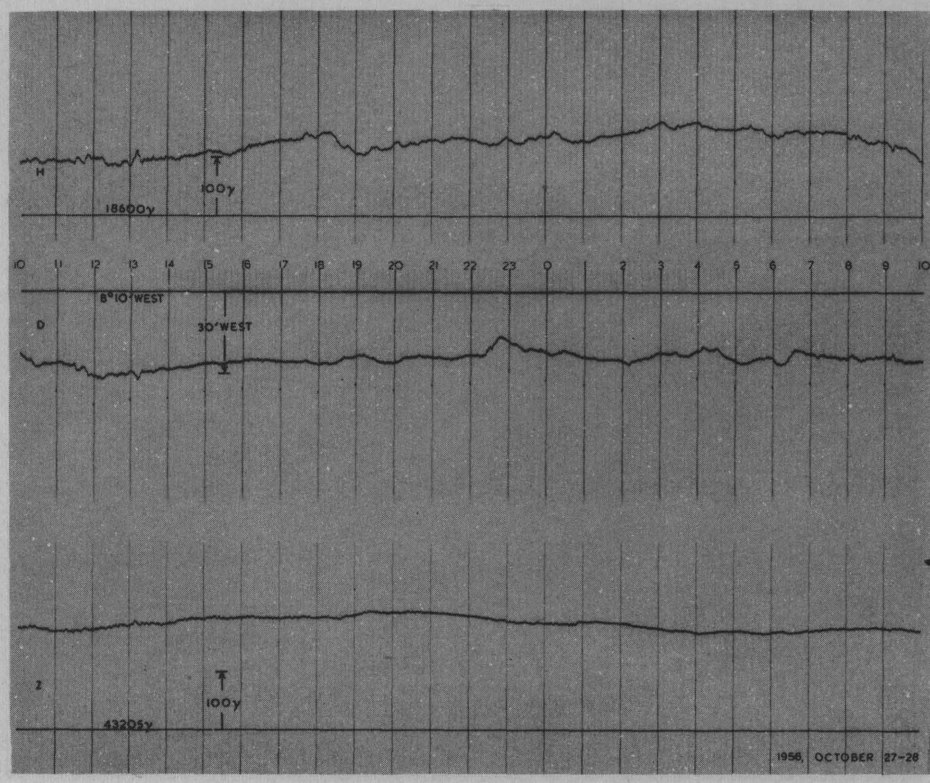
OCTOBER 25–26

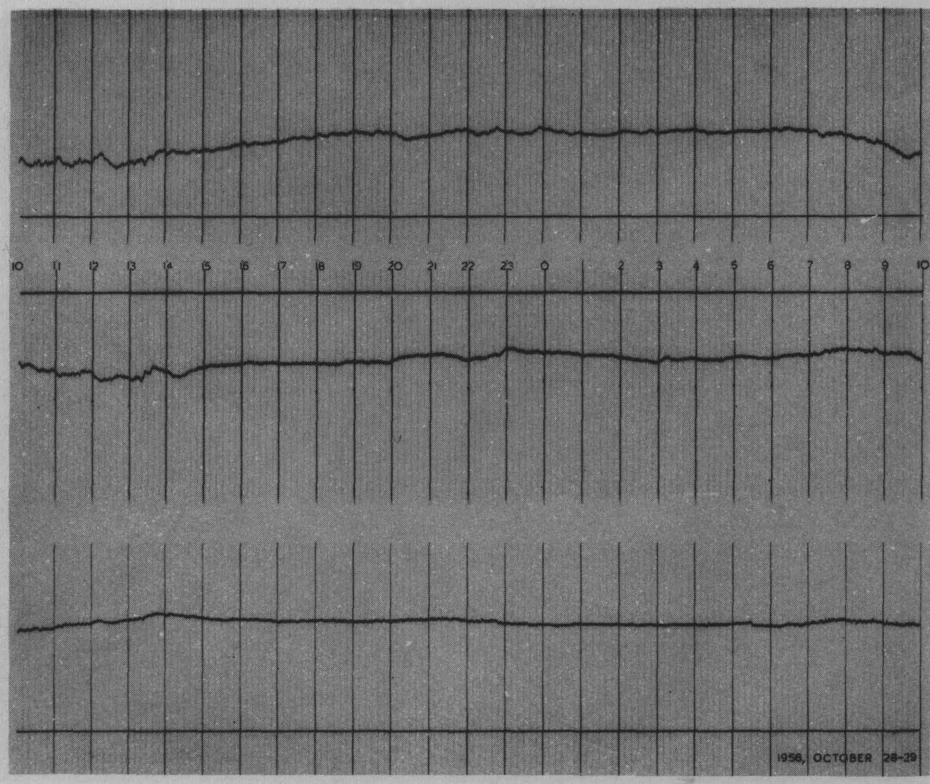



OCTOBER 26–27

1956

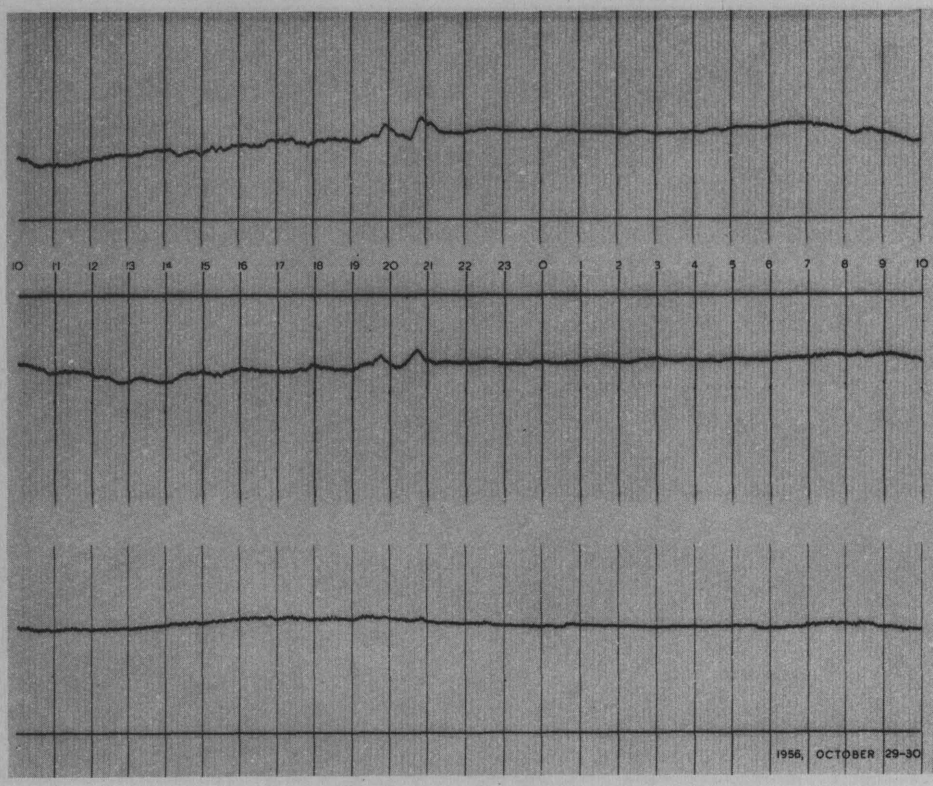



OCTOBER 27–28

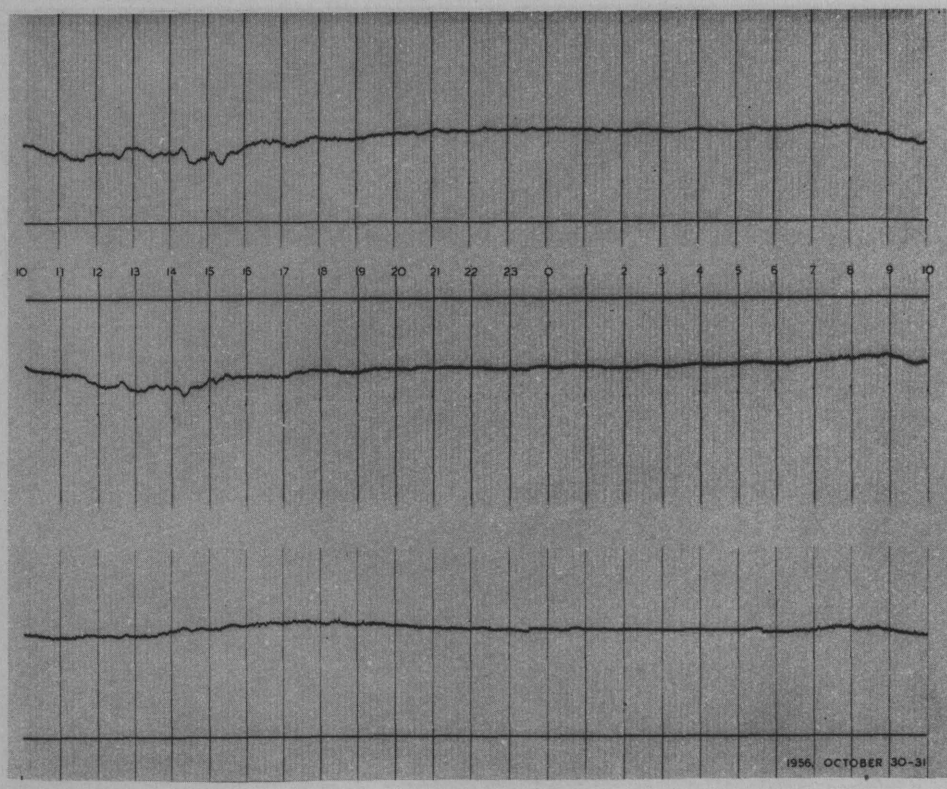



OCTOBER 28–29

1956

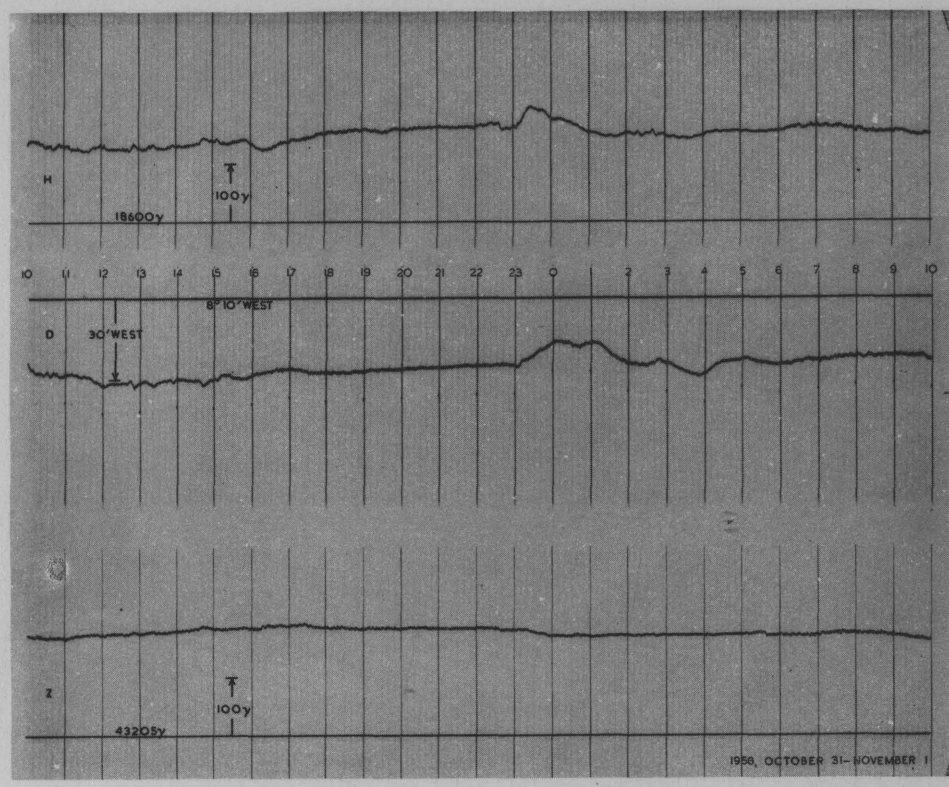



OCTOBER 29–30

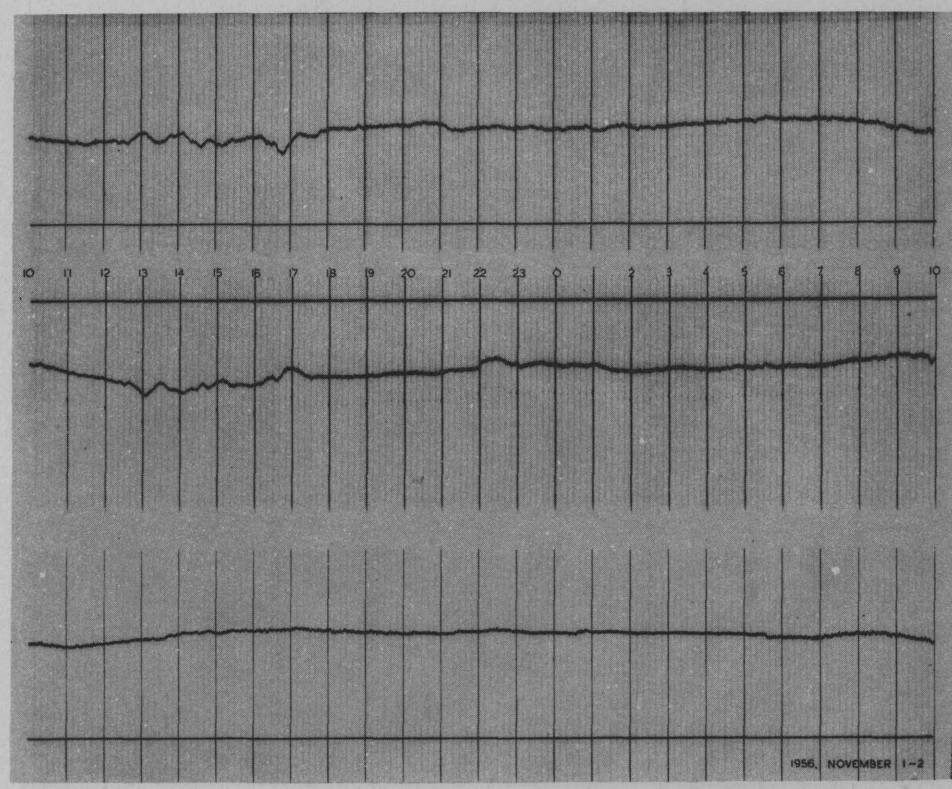



OCTOBER 30–31

1956

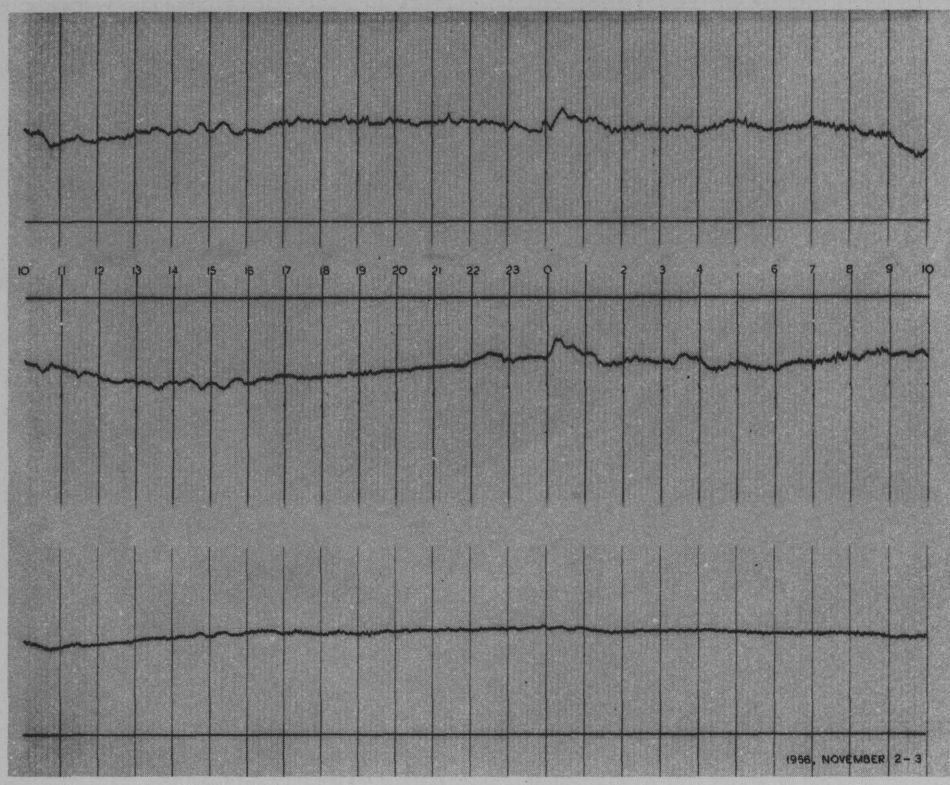



OCT. 31–NOV. 1

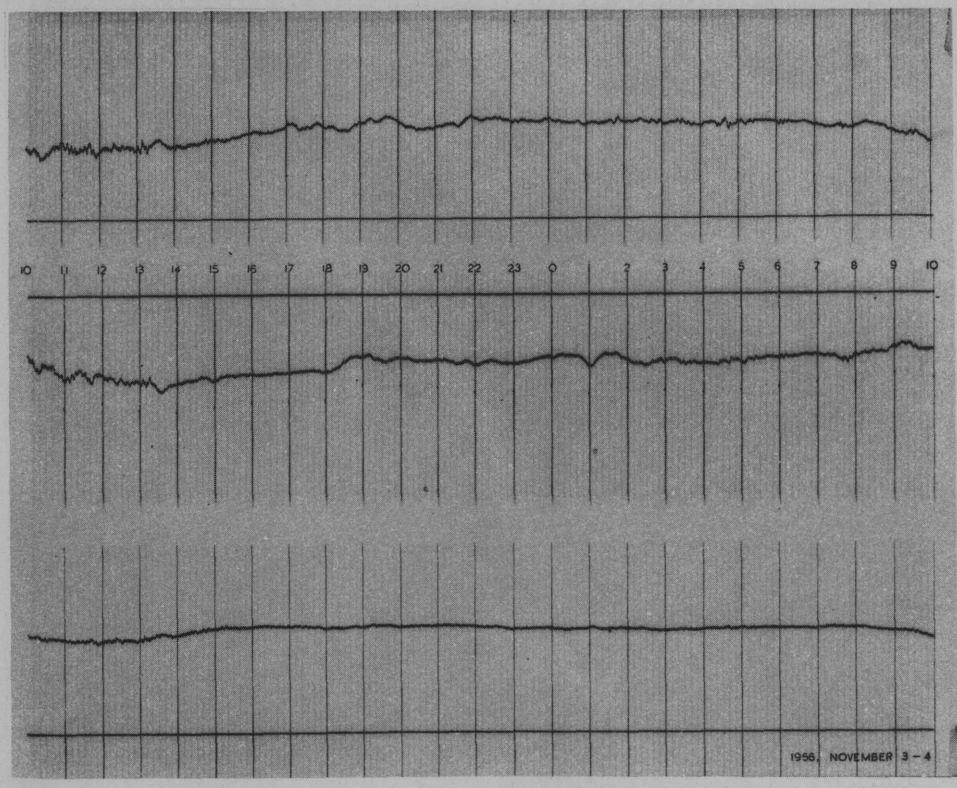



NOVEMBER 1–2

1956

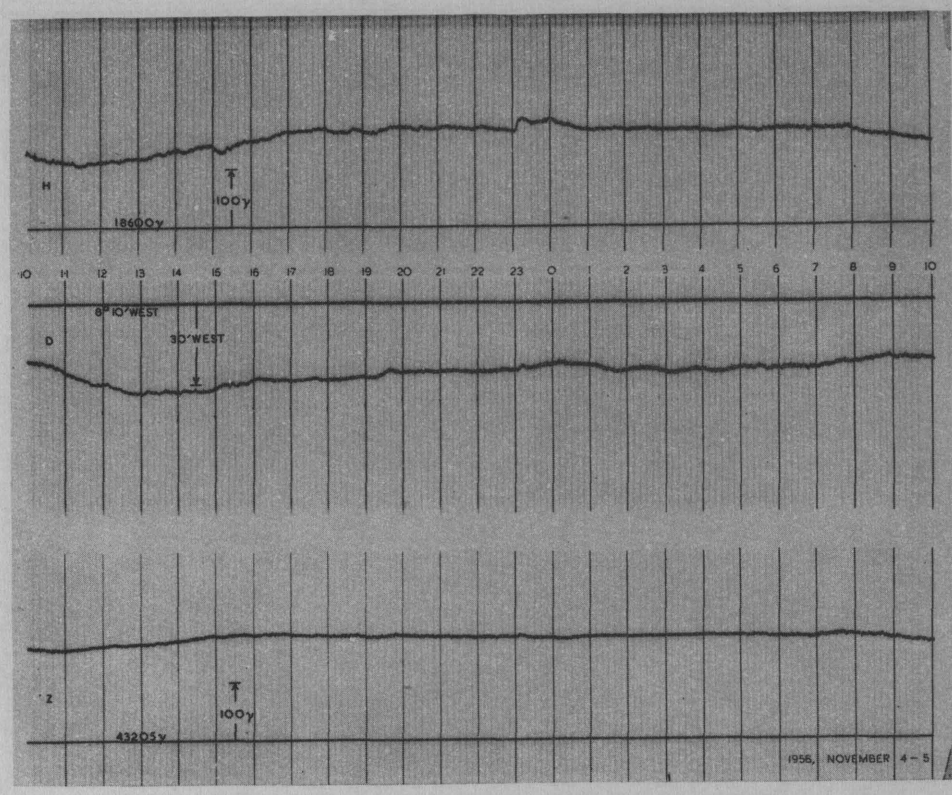



NOVEMBER 2–3

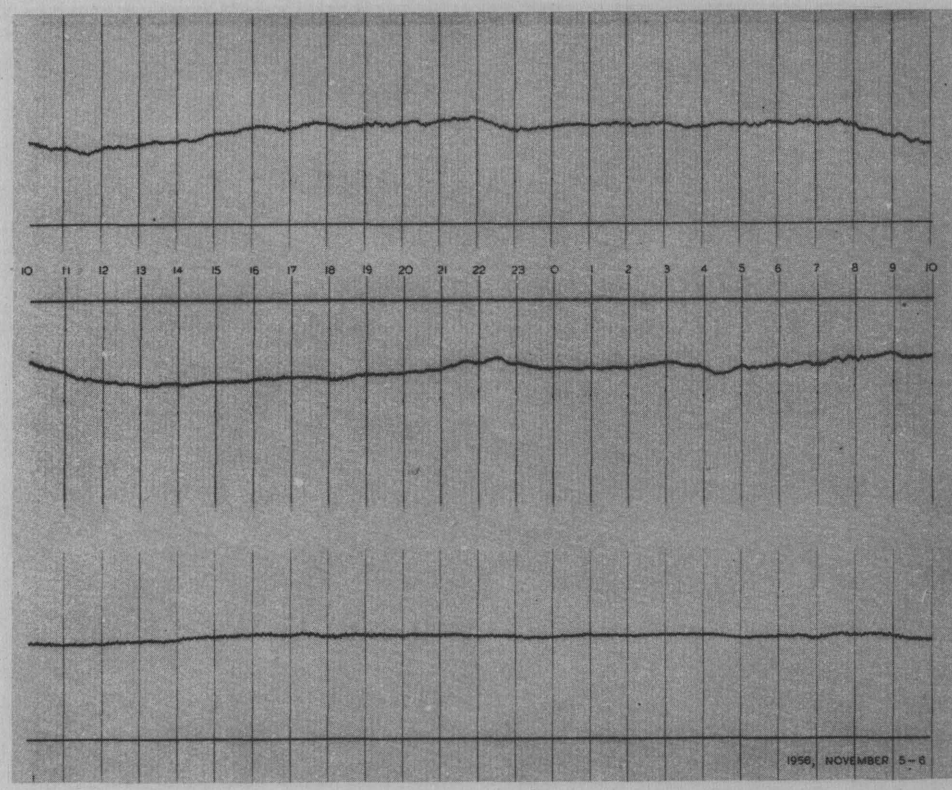



NOVEMBER 3–4

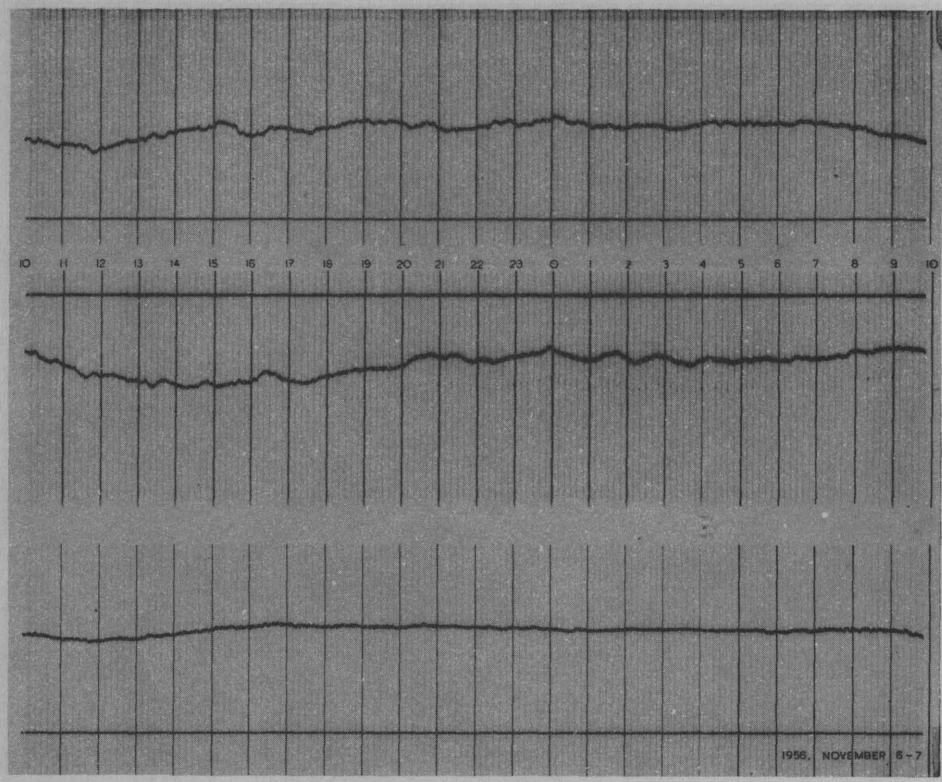
1956




NOVEMBER 4–5




NOVEMBER 5–6

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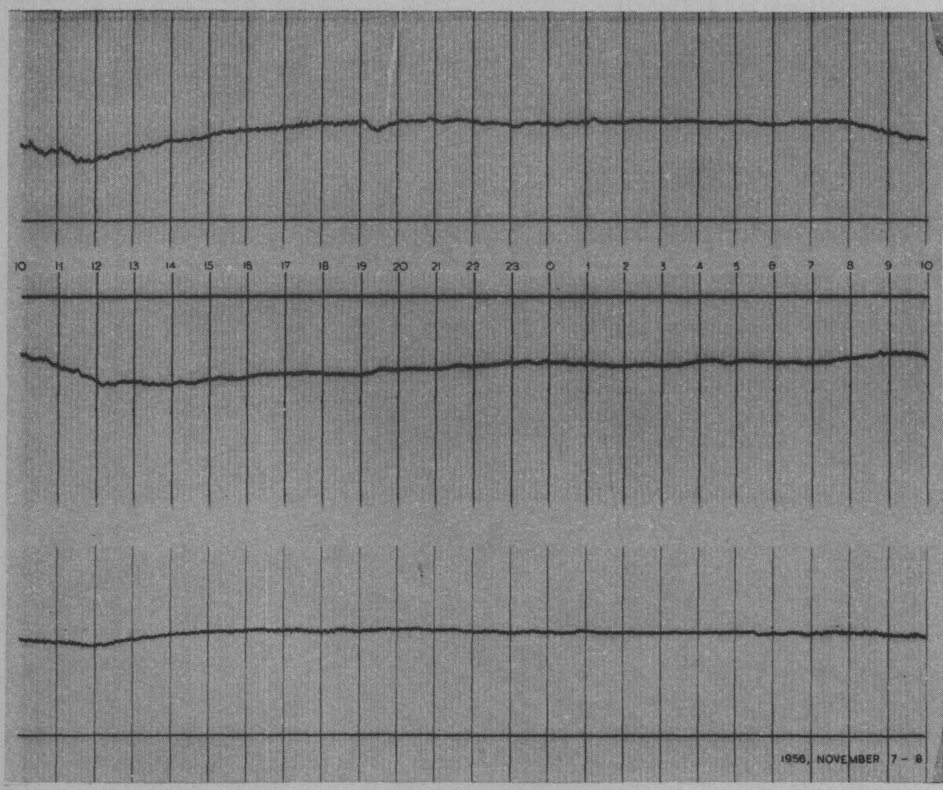
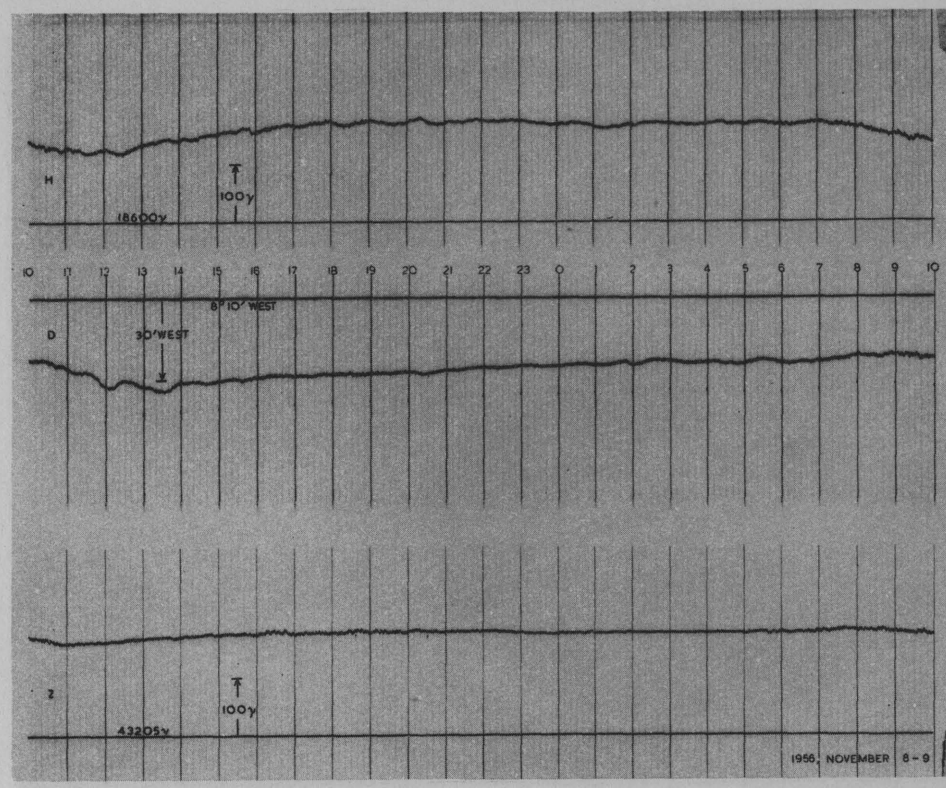
NOVEMBER 6–7

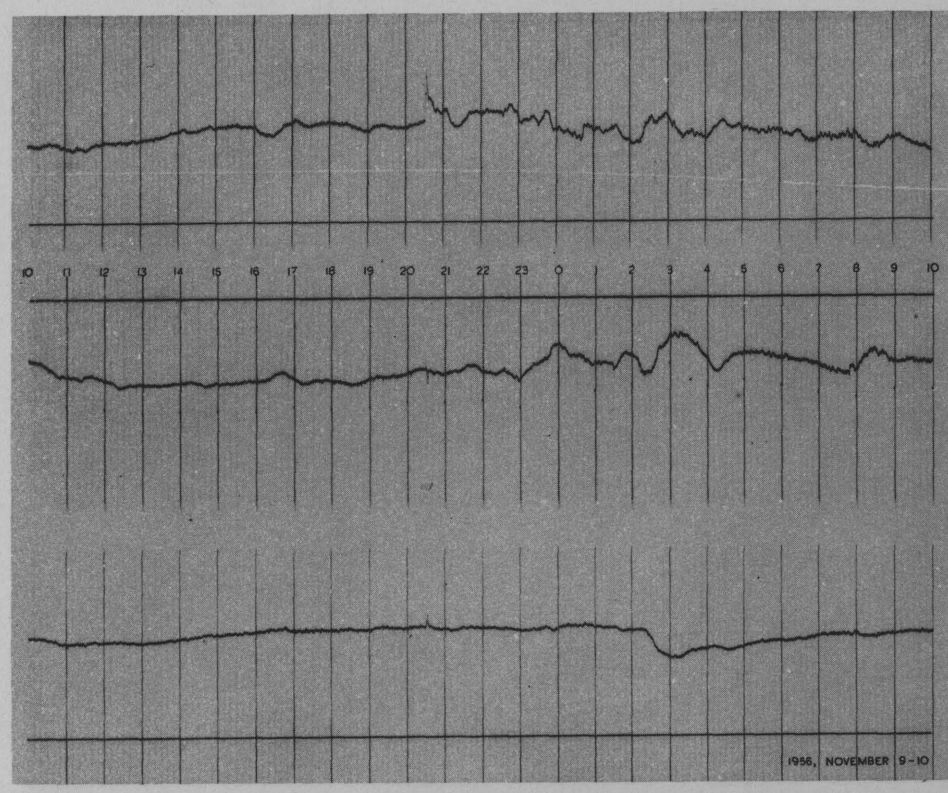



NOVEMBER 7–8

1956

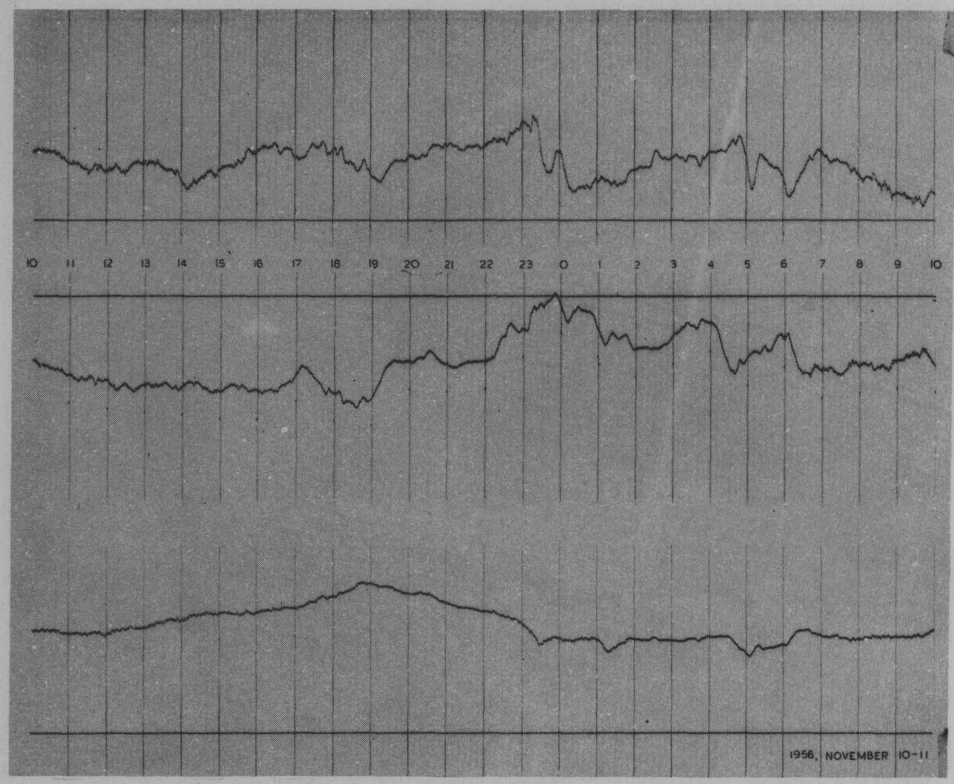



NOVEMBER 8–9

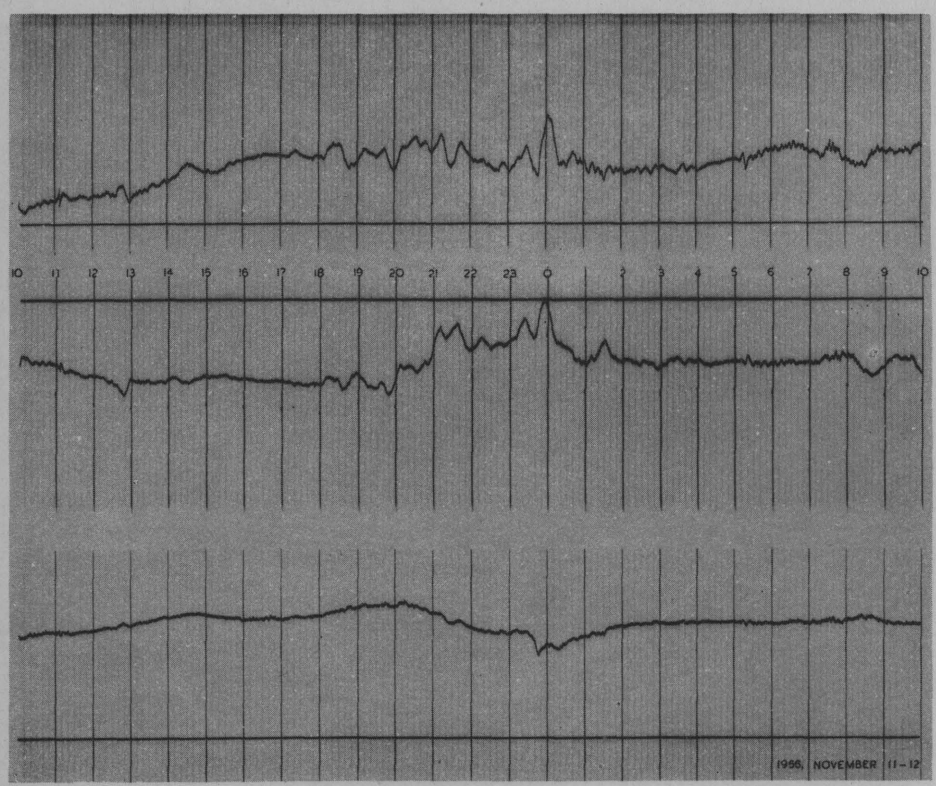



NOVEMBER 9–10

1956

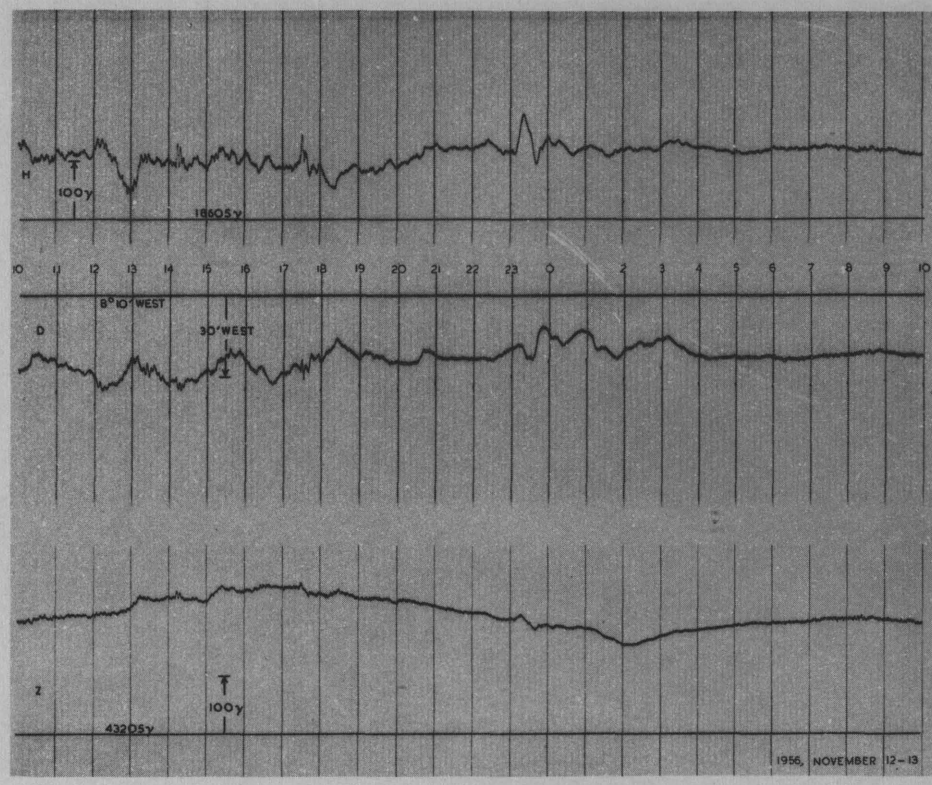



NOVEMBER 10–11

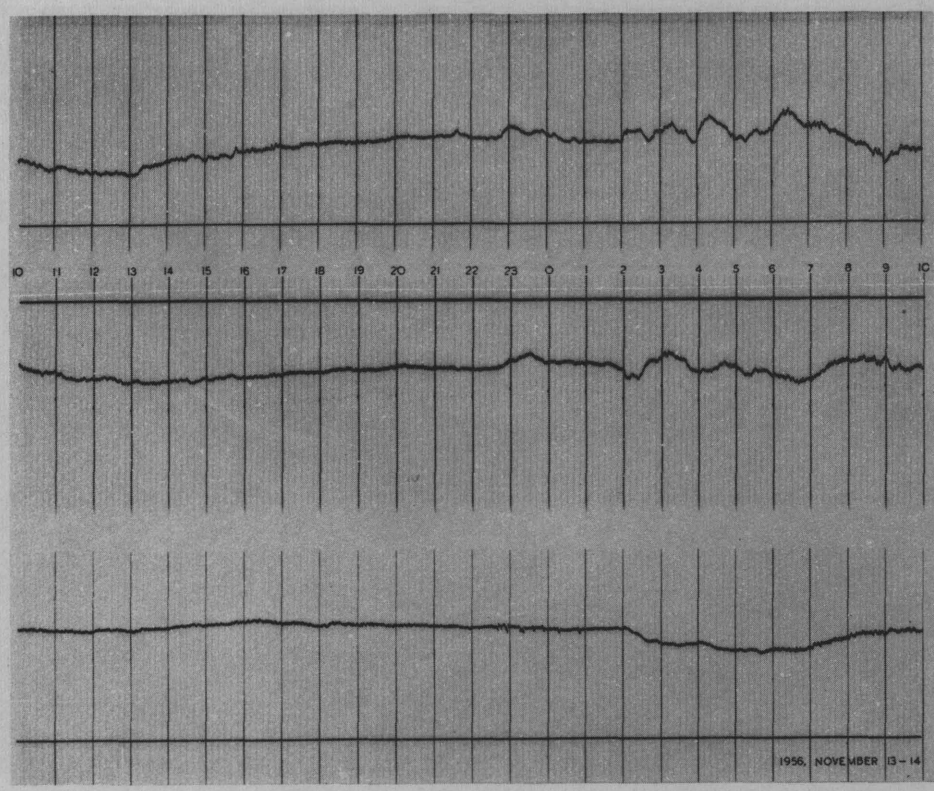



NOVEMBER 11–12

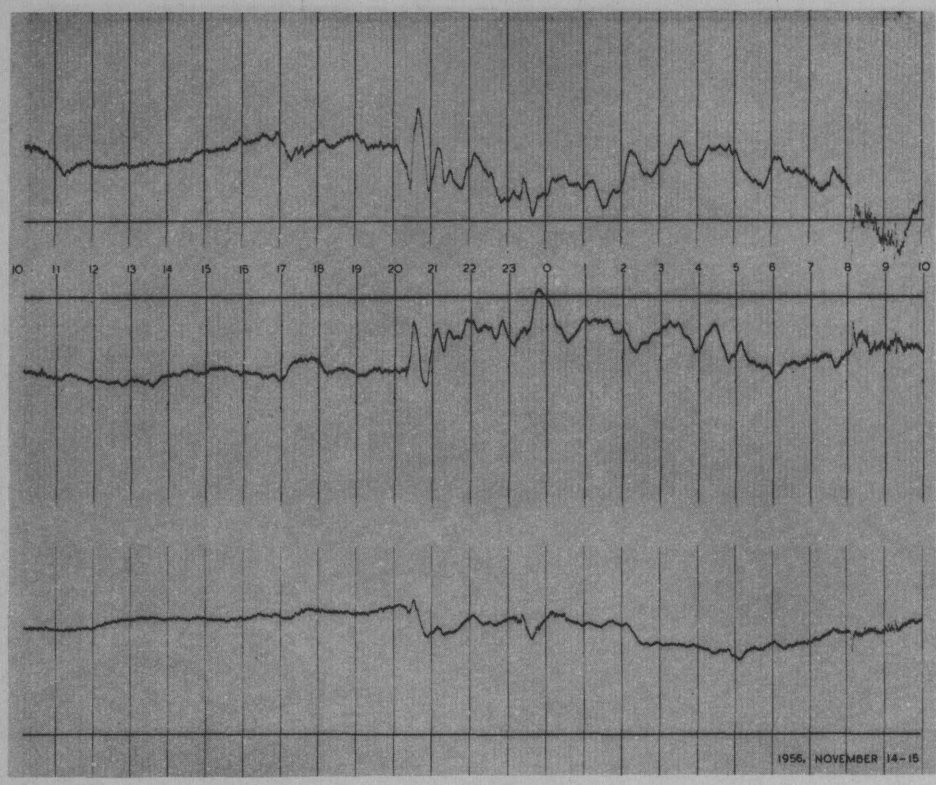
1956




NOVEMBER 12–13




NOVEMBER 13–14

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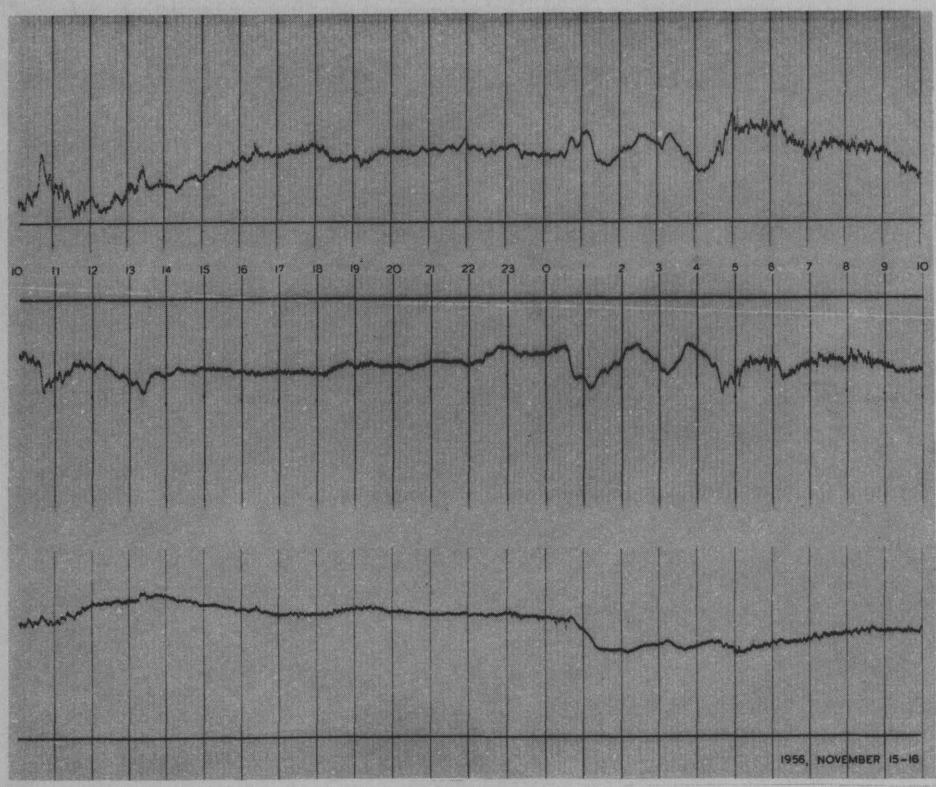
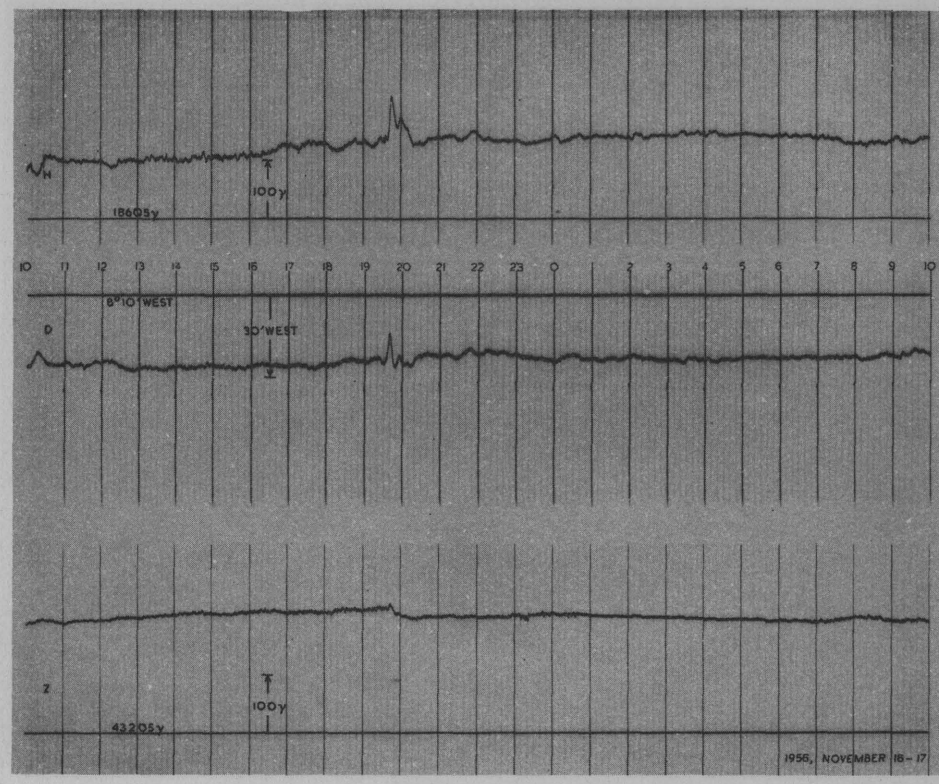
NOVEMBER 14–15

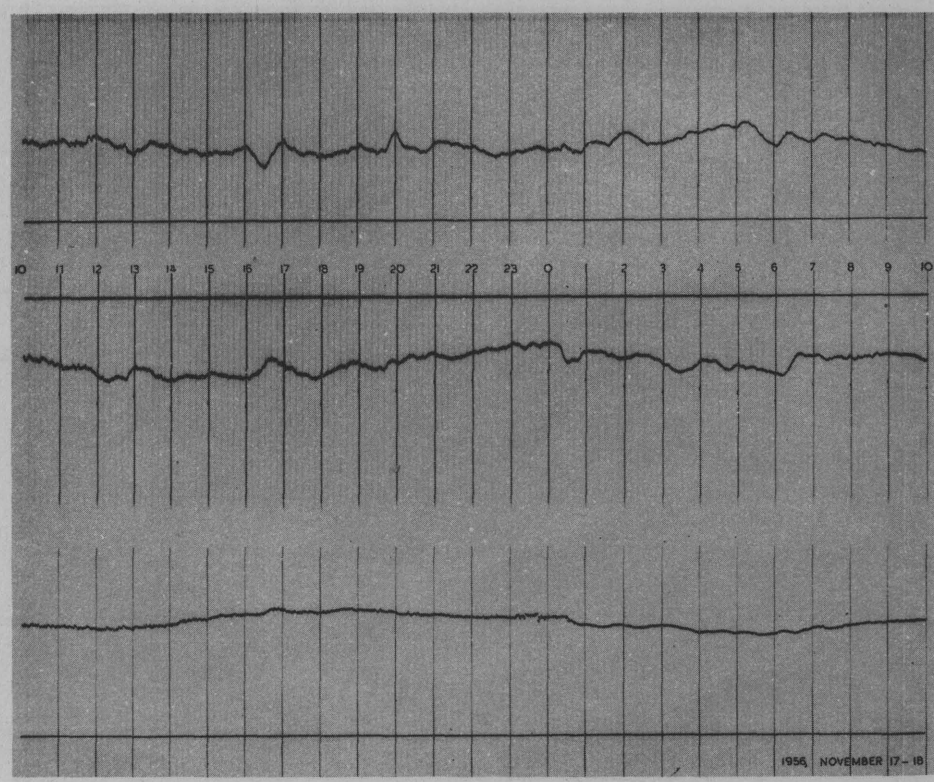



NOVEMBER 15–16

1956

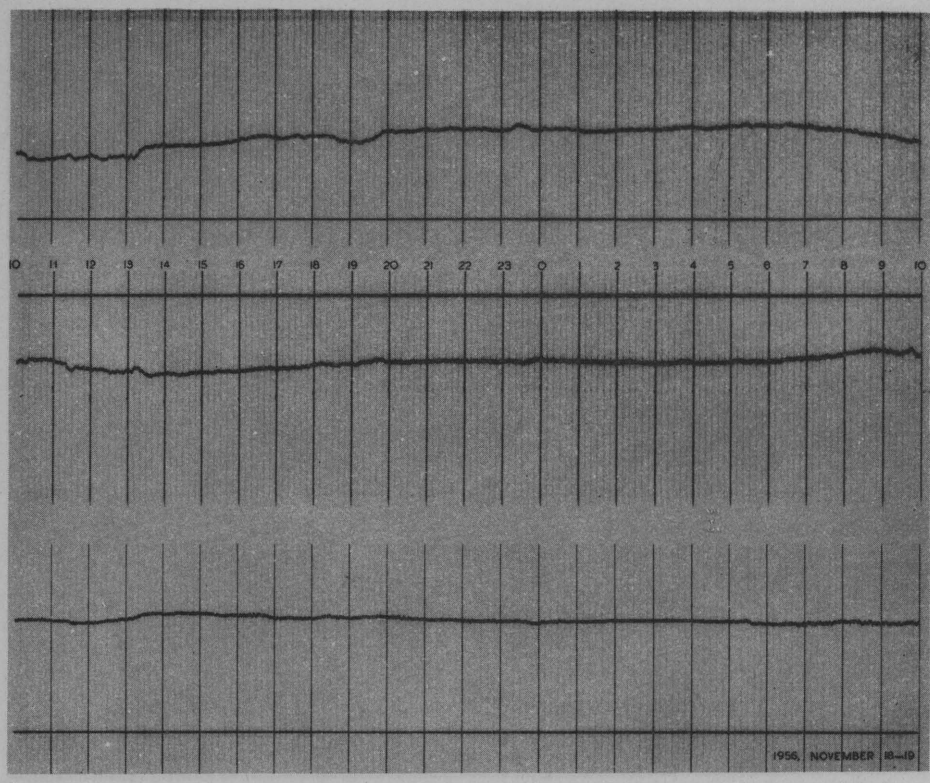



NOVEMBER 16–17

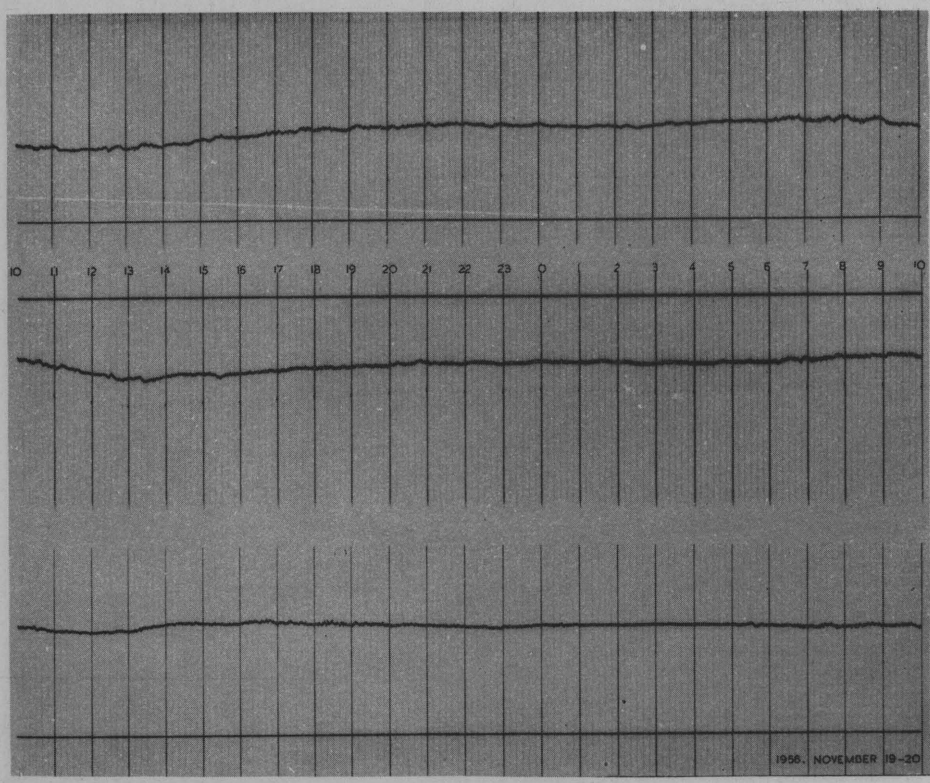



NOVEMBER 17–18

1956

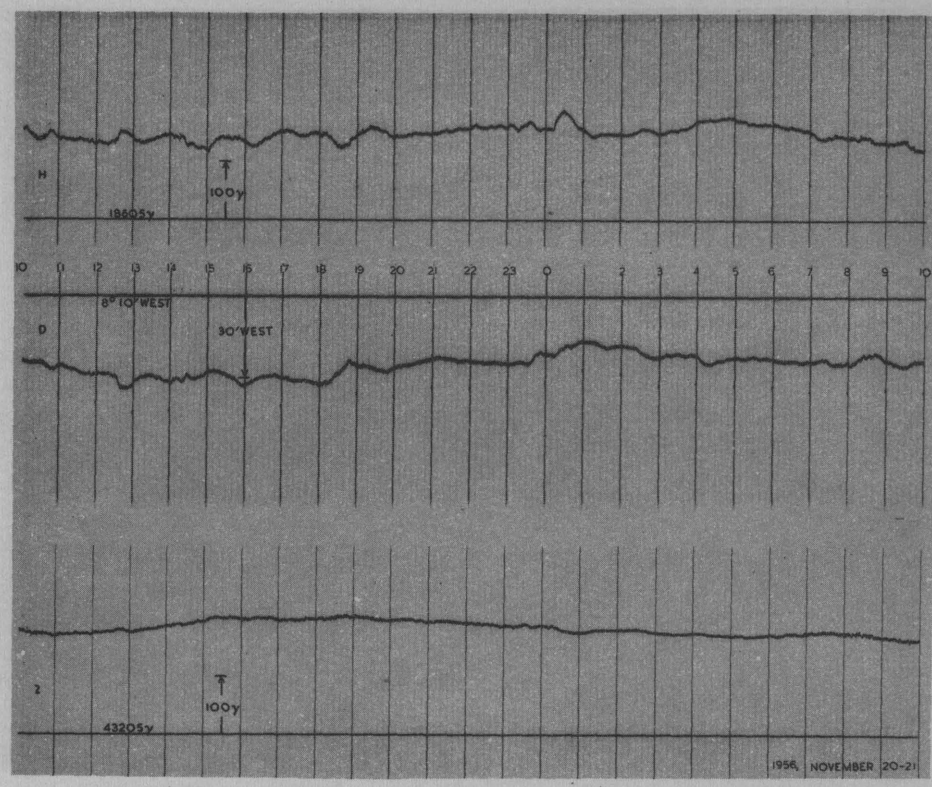



NOVEMBER 18–19

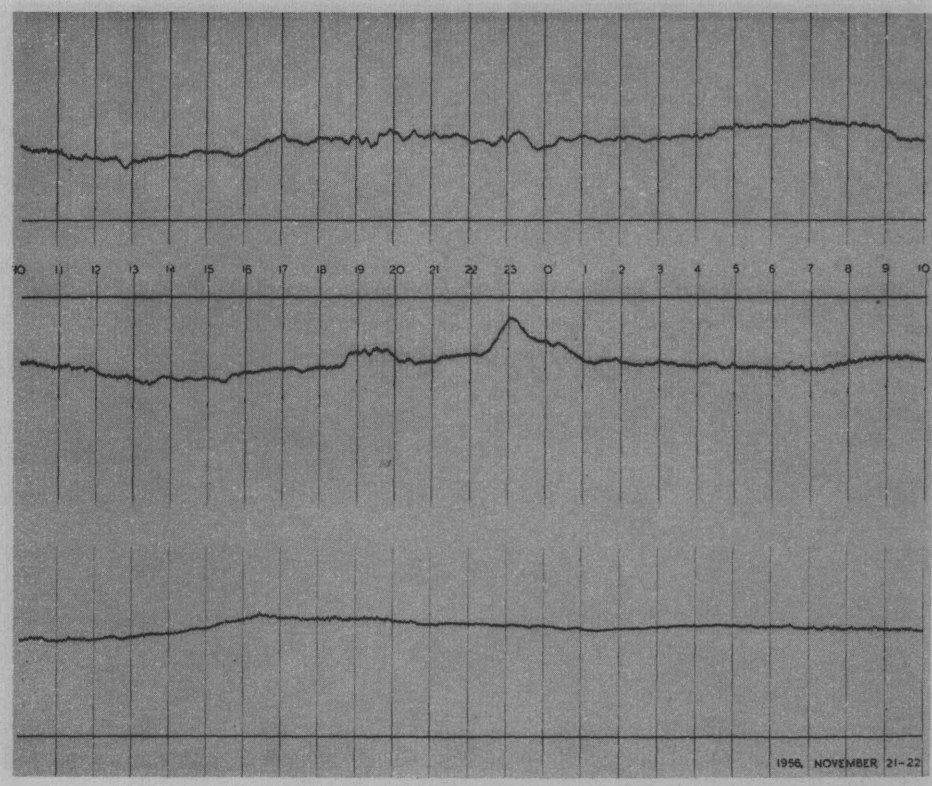



NOVEMBER 19–20

1956

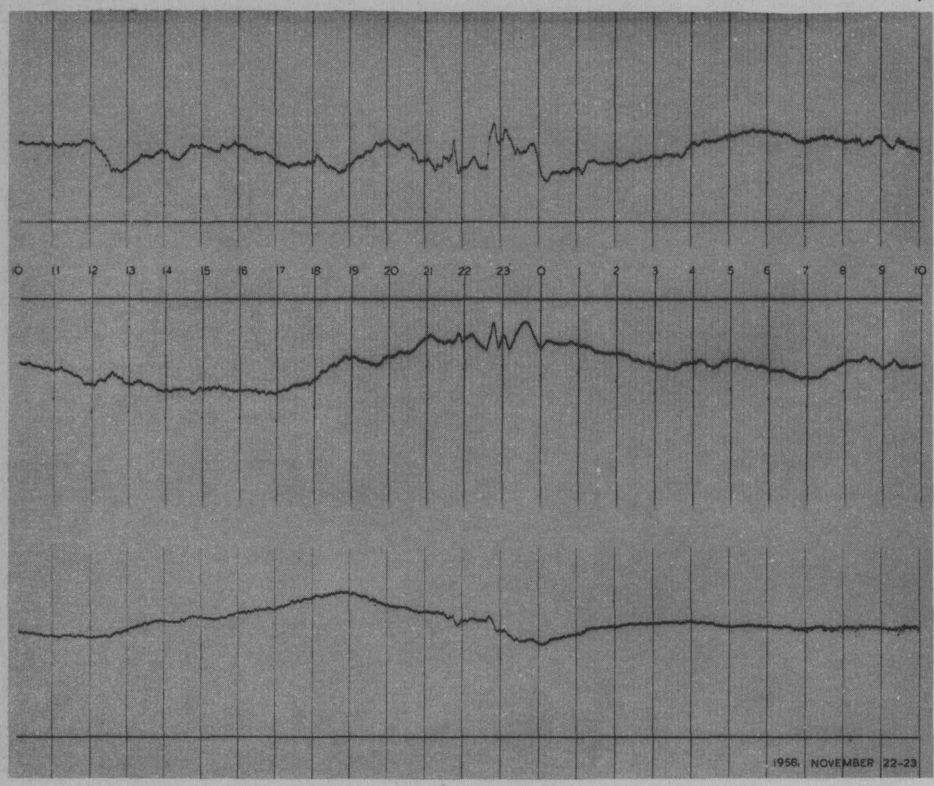



NOVEMBER 20–21

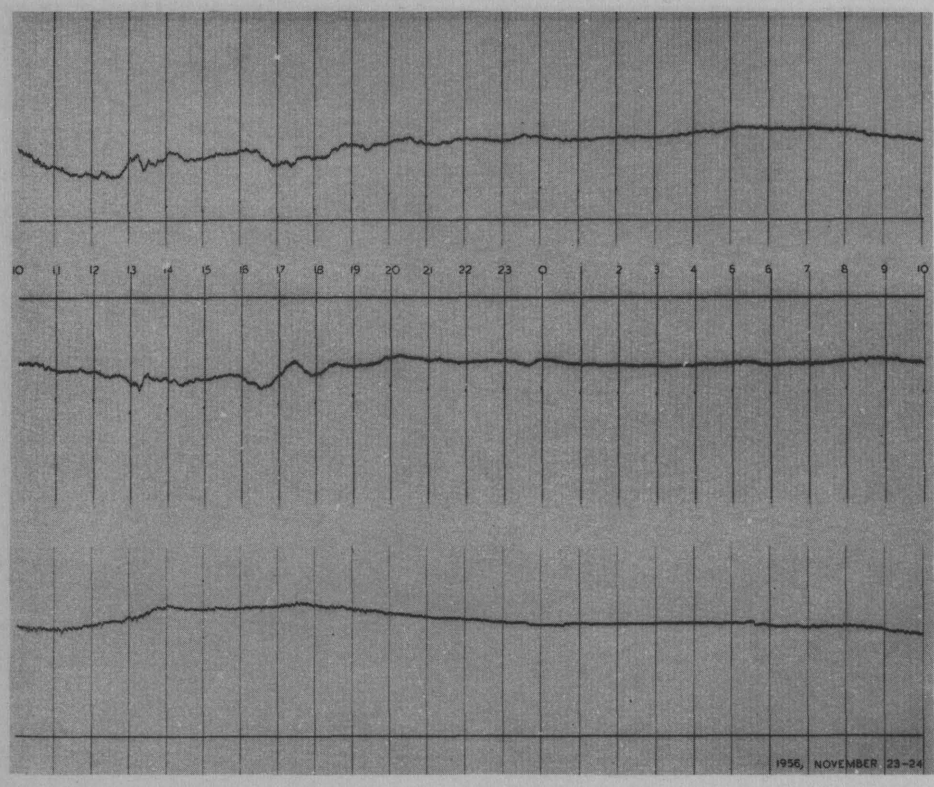



NOVEMBER 21–22

1956

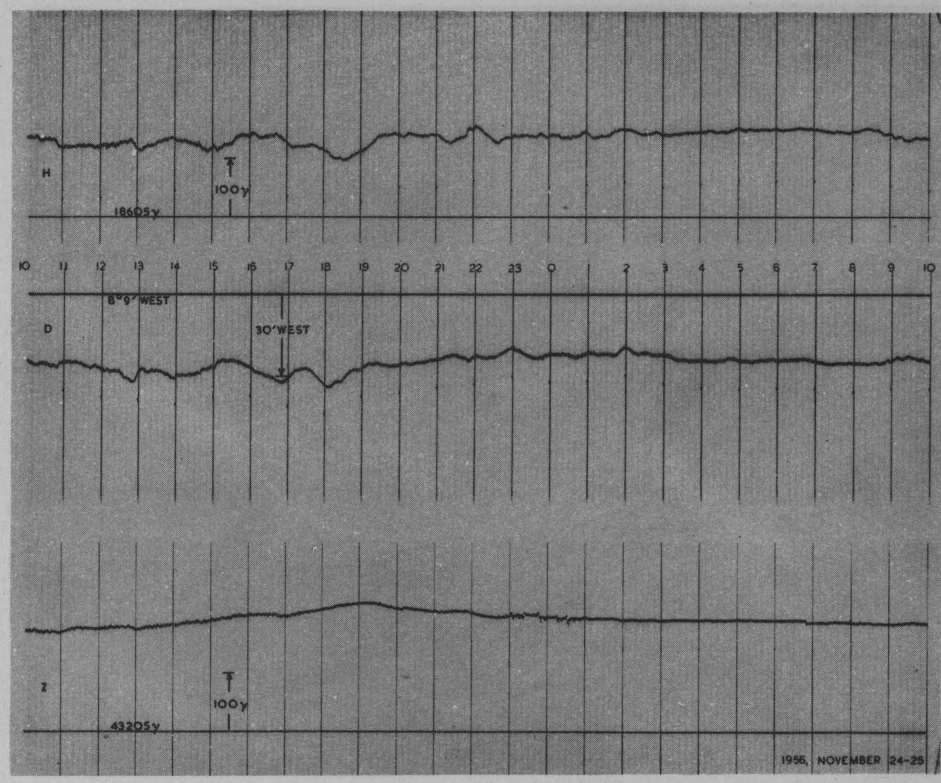



NOVEMBER 22–23

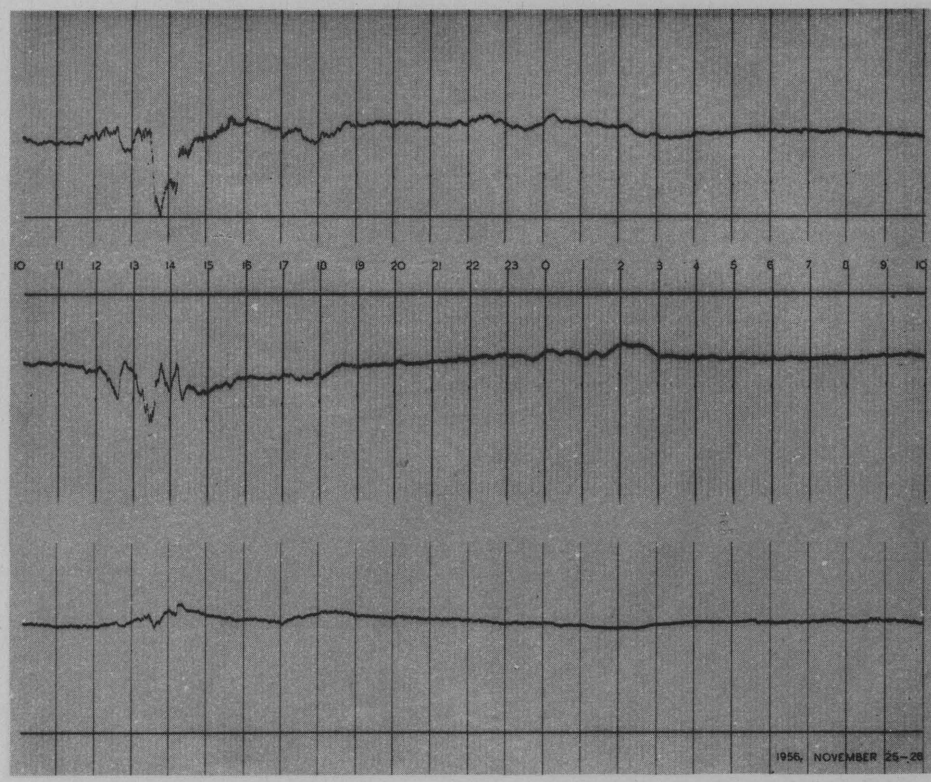



NOVEMBER 23–24

1956

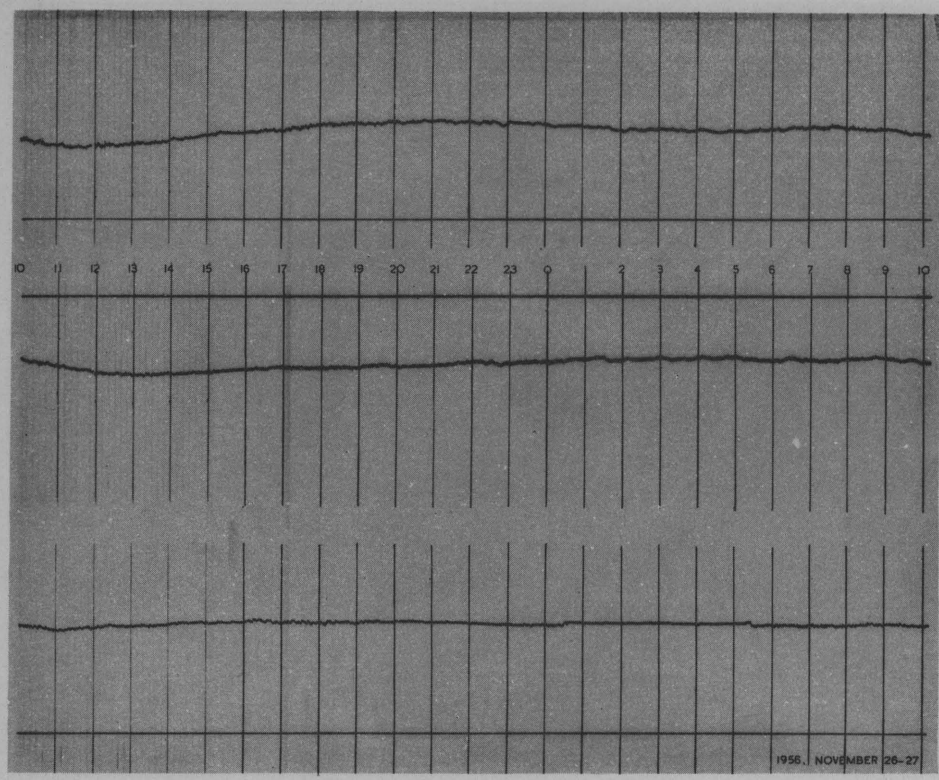



NOVEMBER 24–25

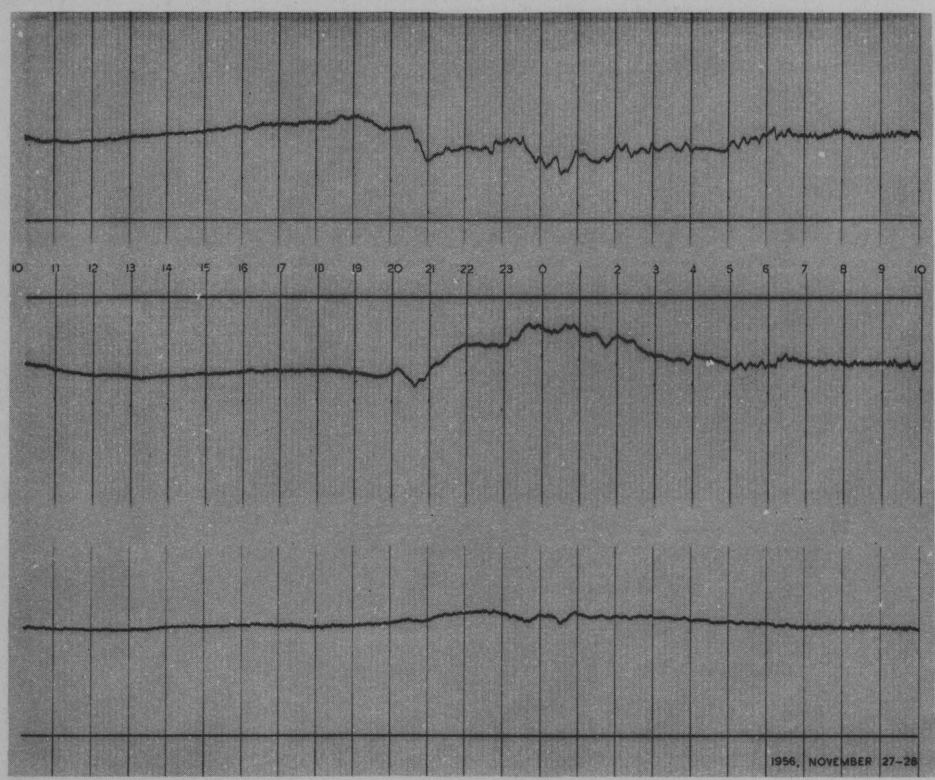



NOVEMBER 25–26

1956

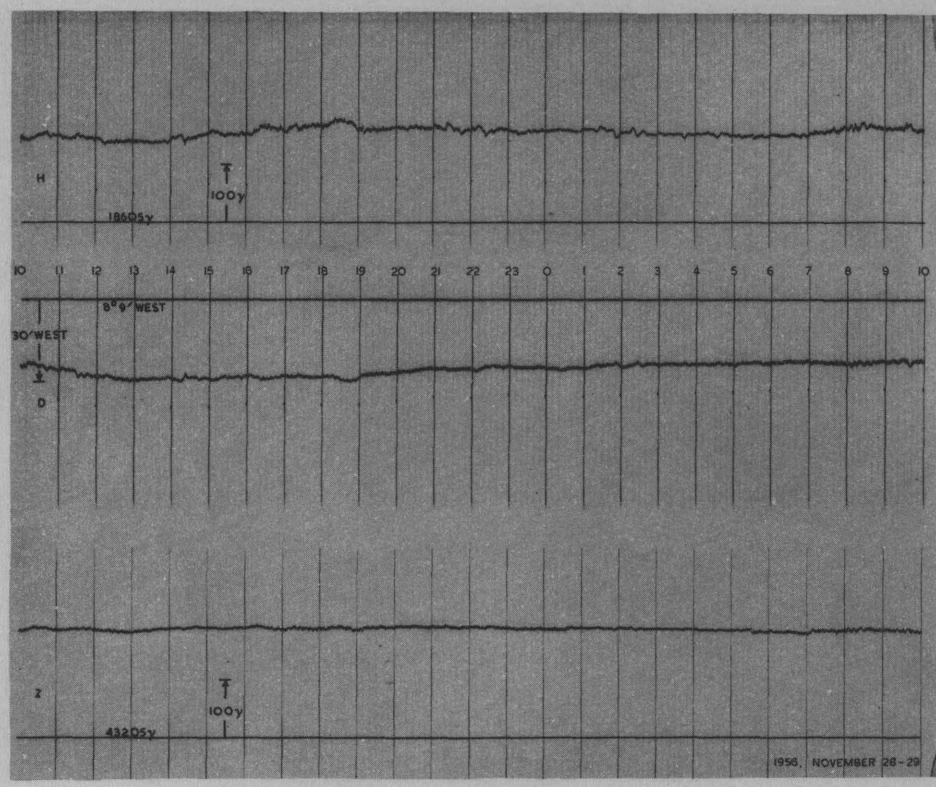



NOVEMBER 26–27

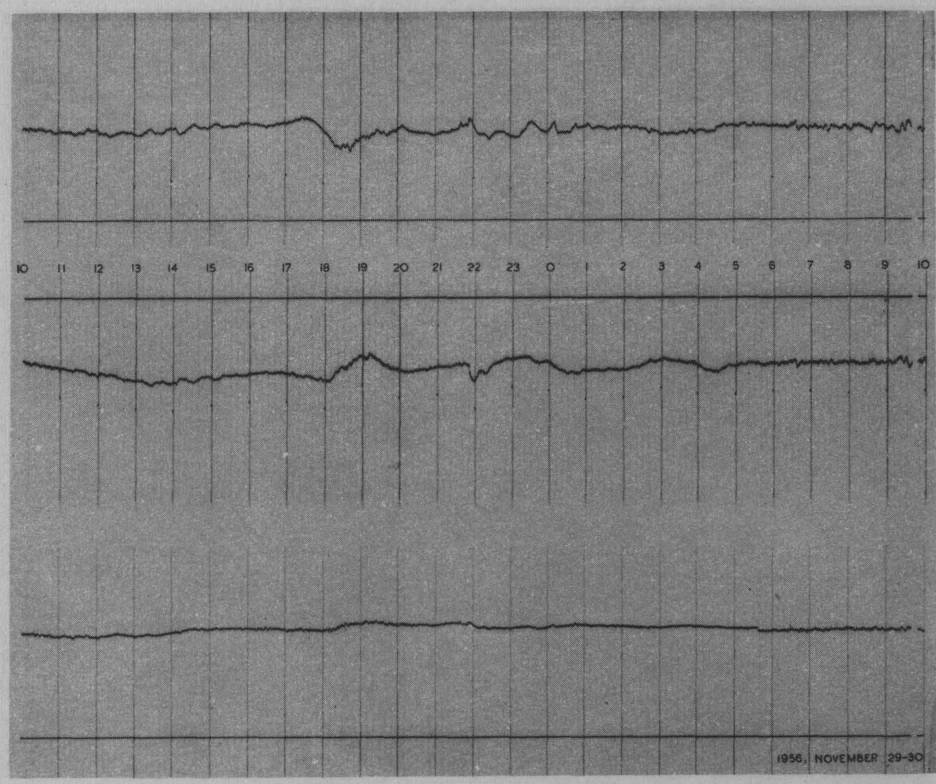



NOVEMBER 27–28

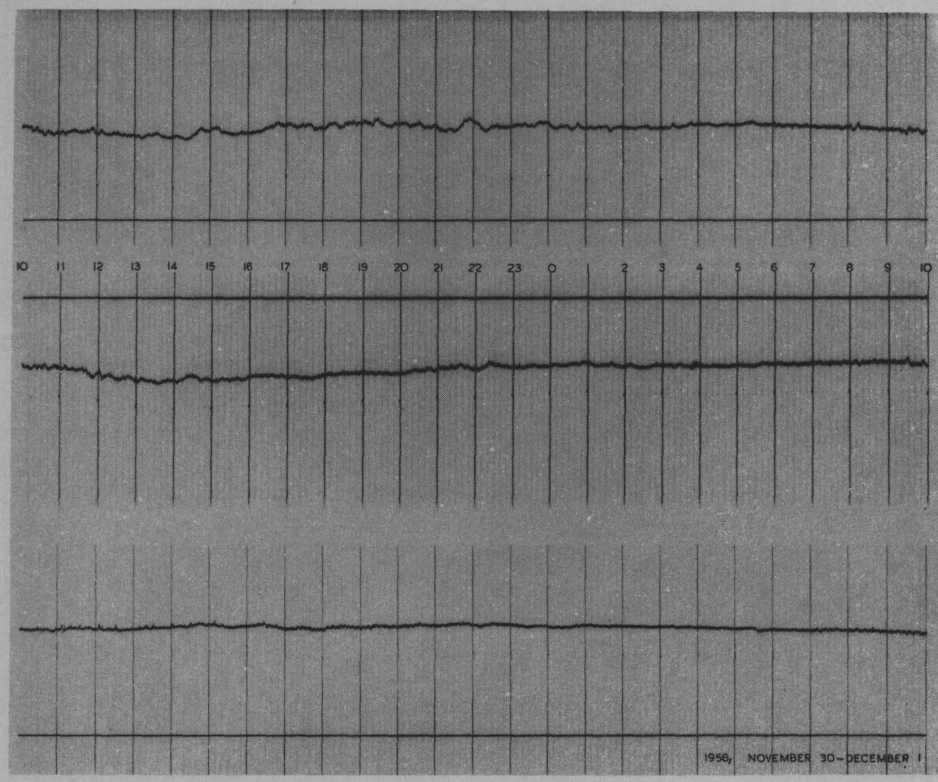
1956




NOVEMBER 28–29




NOVEMBER 29–30

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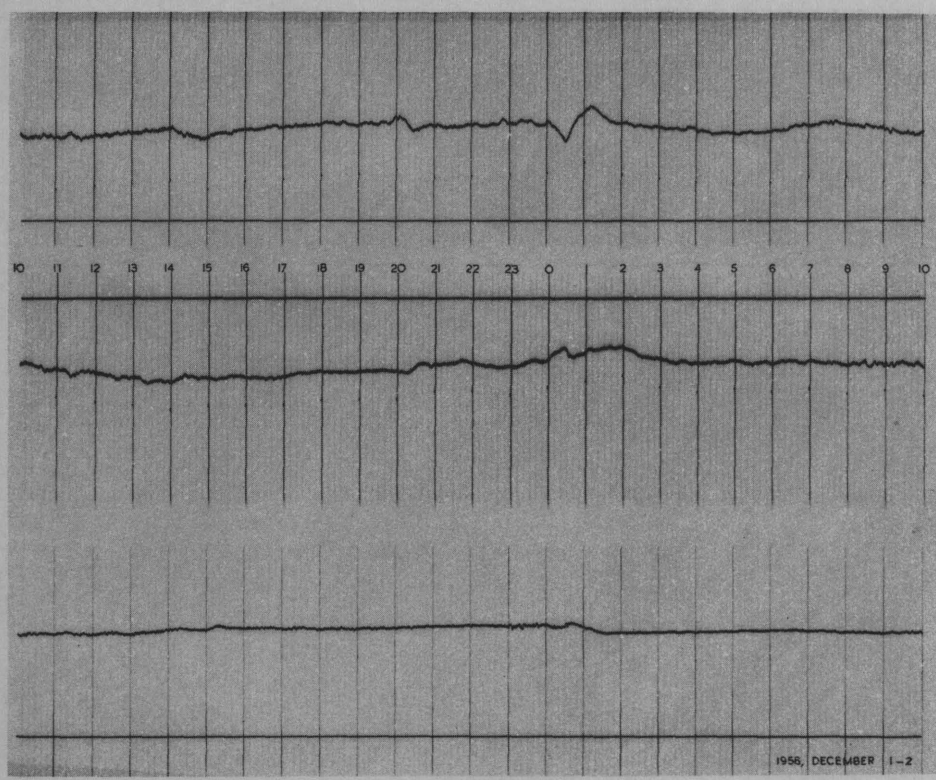
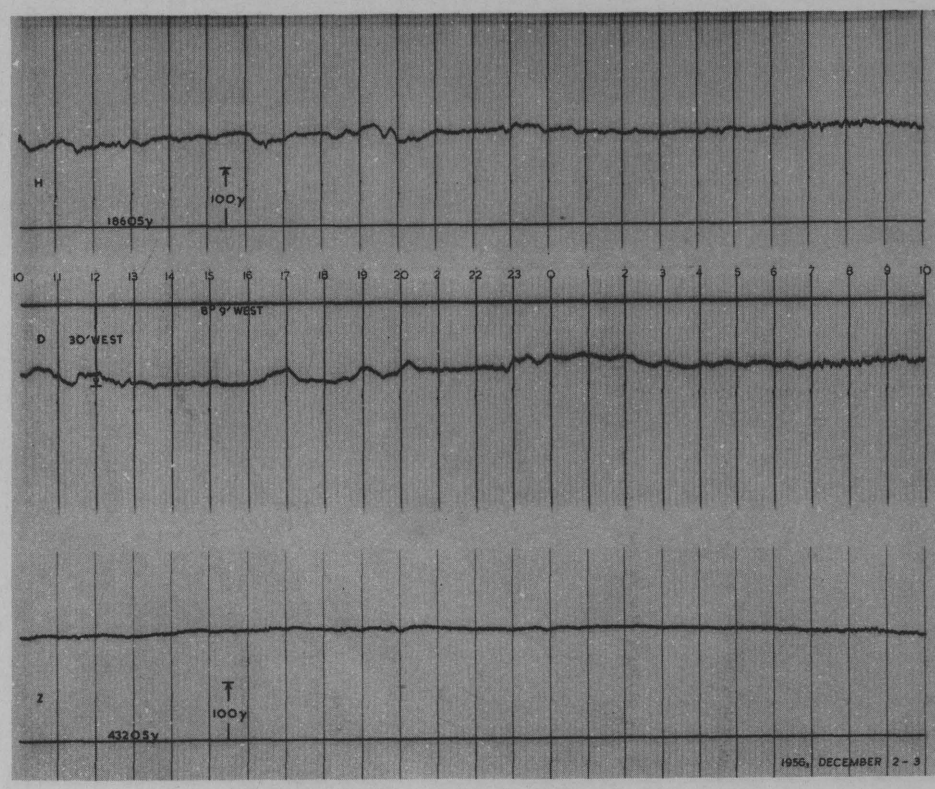
NOV. 30–DEC. 1

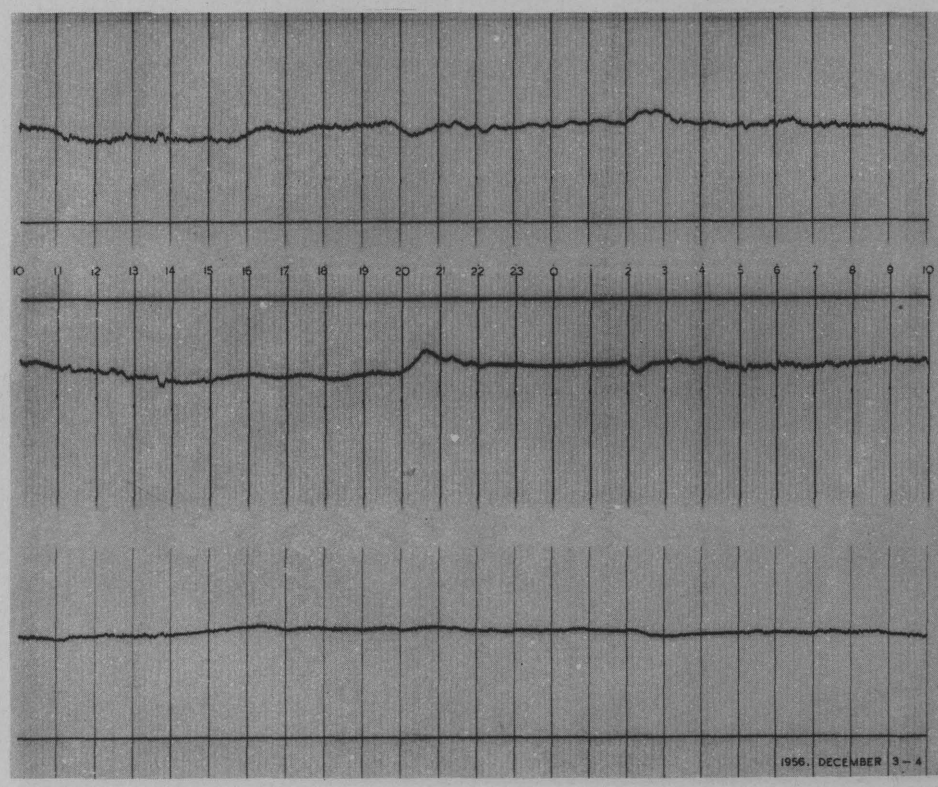



DECEMBER 1–2

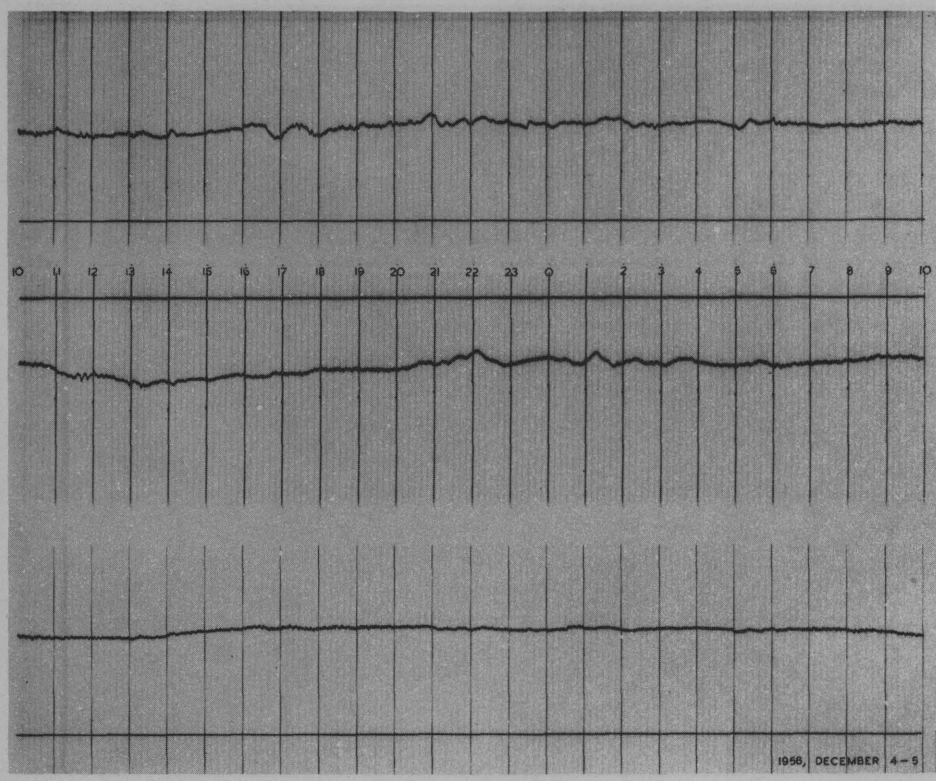
1956




DECEMBER 2–3

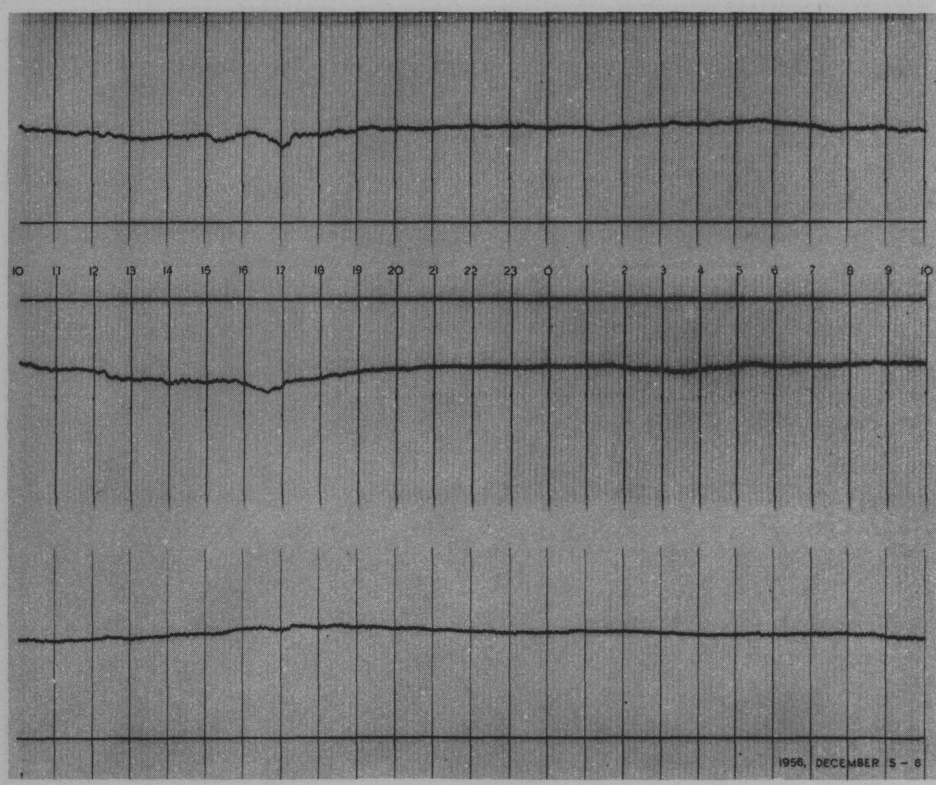



DECEMBER 3–4



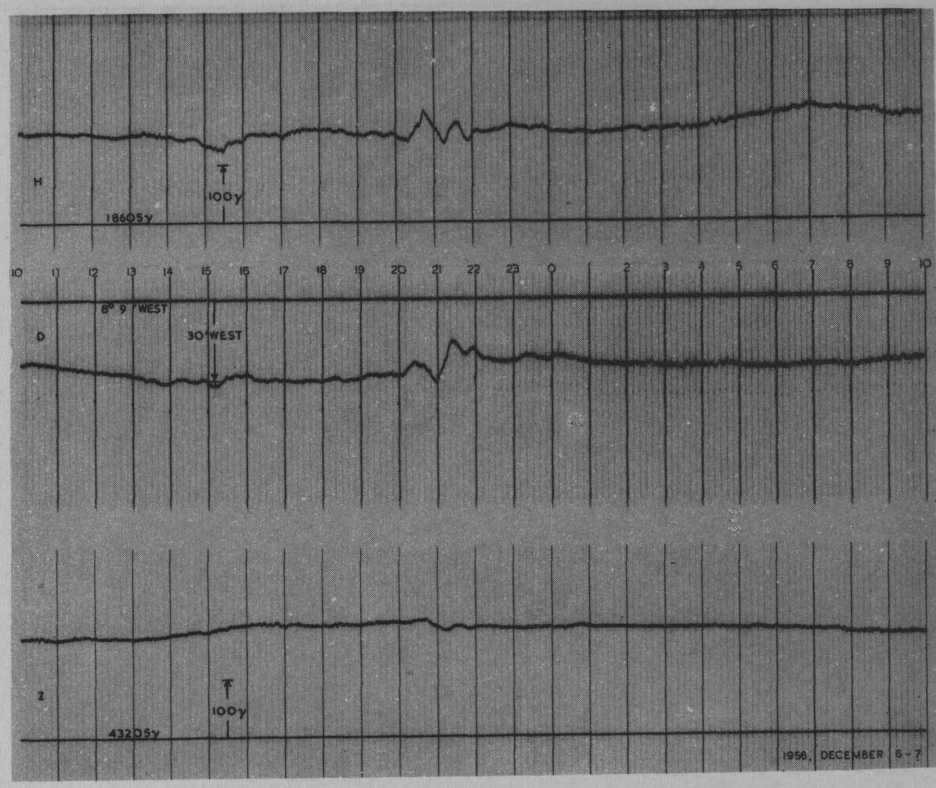

1956

DECEMBER 4–5

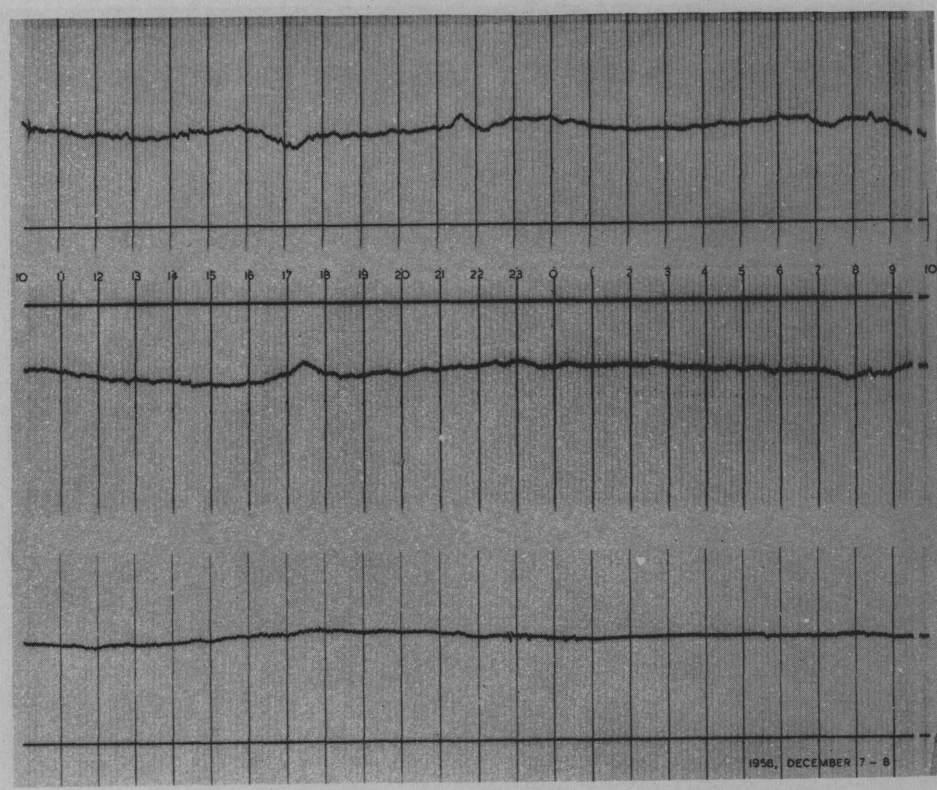



DECEMBER 5–6

1956




DECEMBER 6–7

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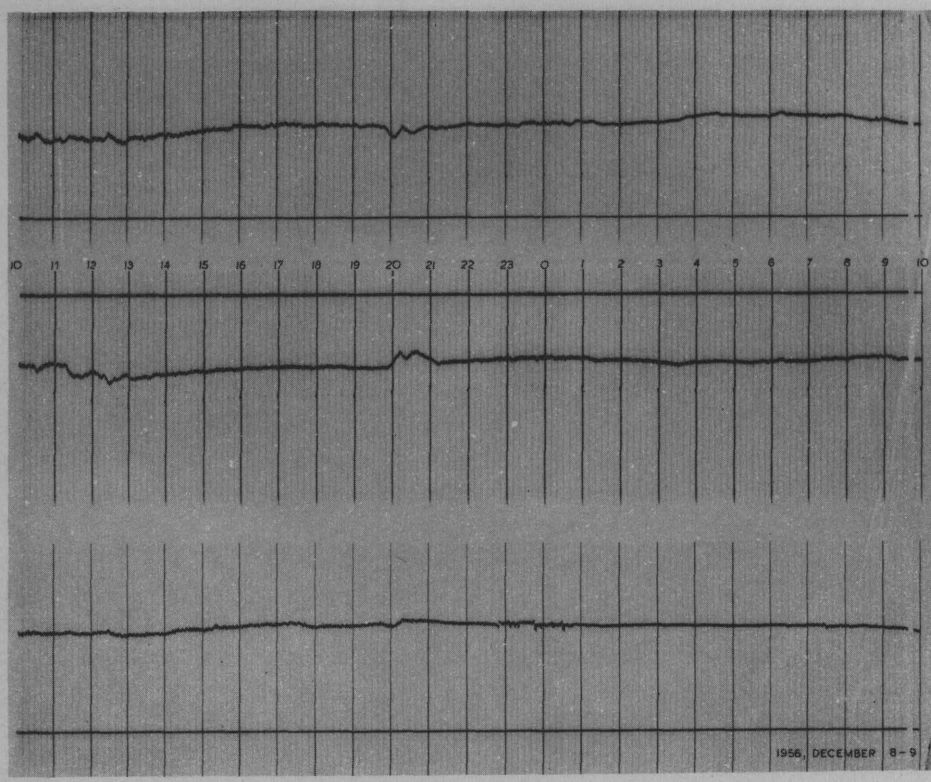


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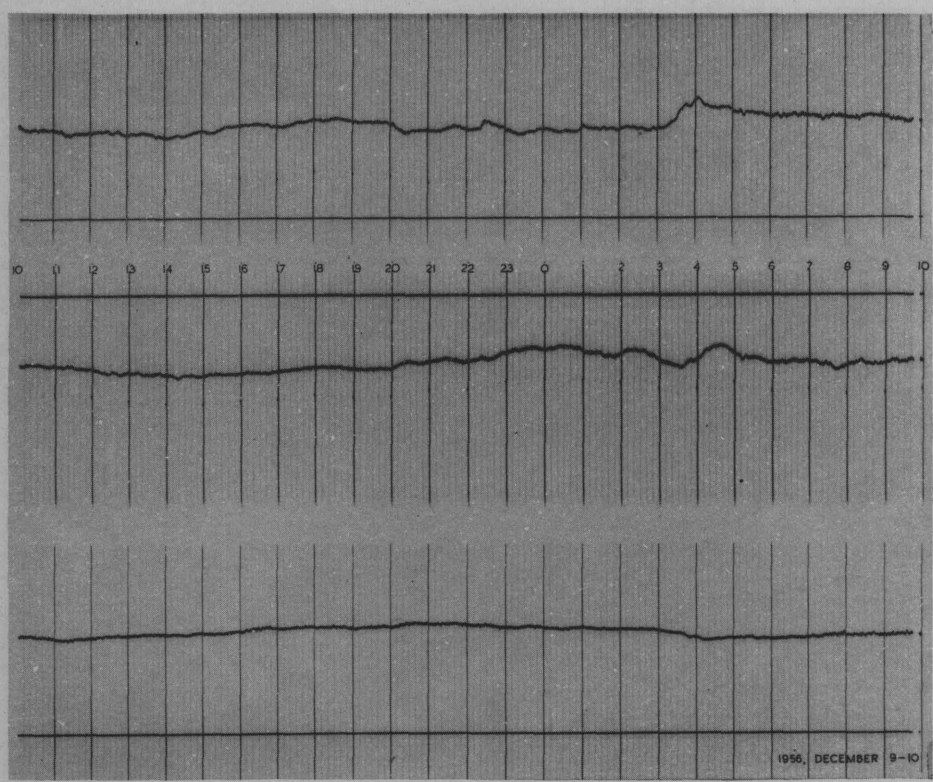


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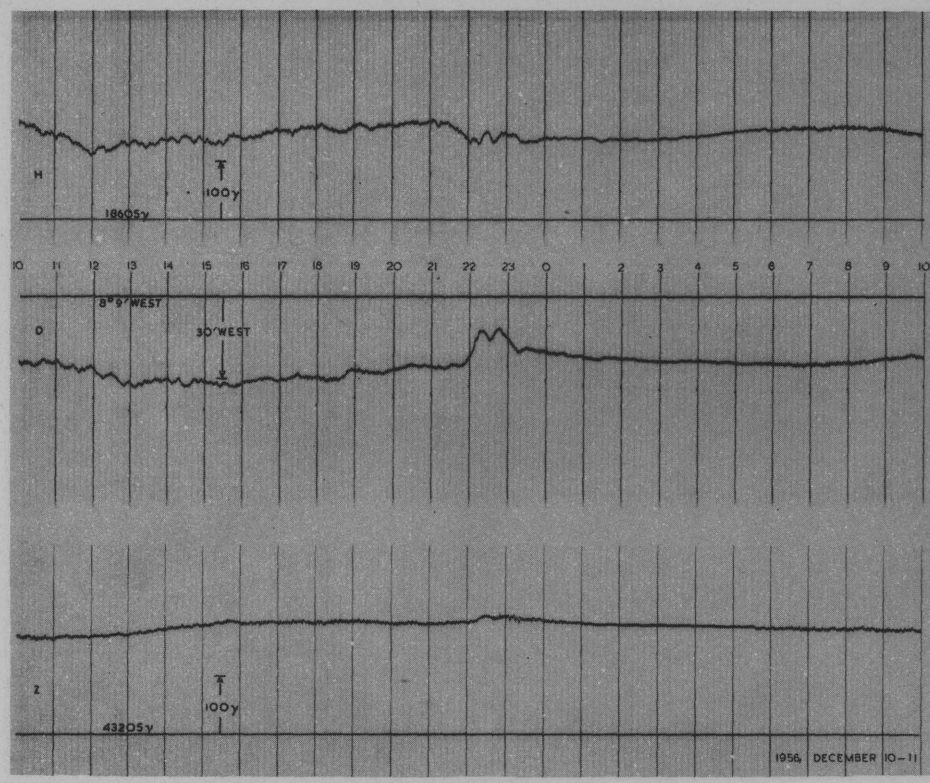


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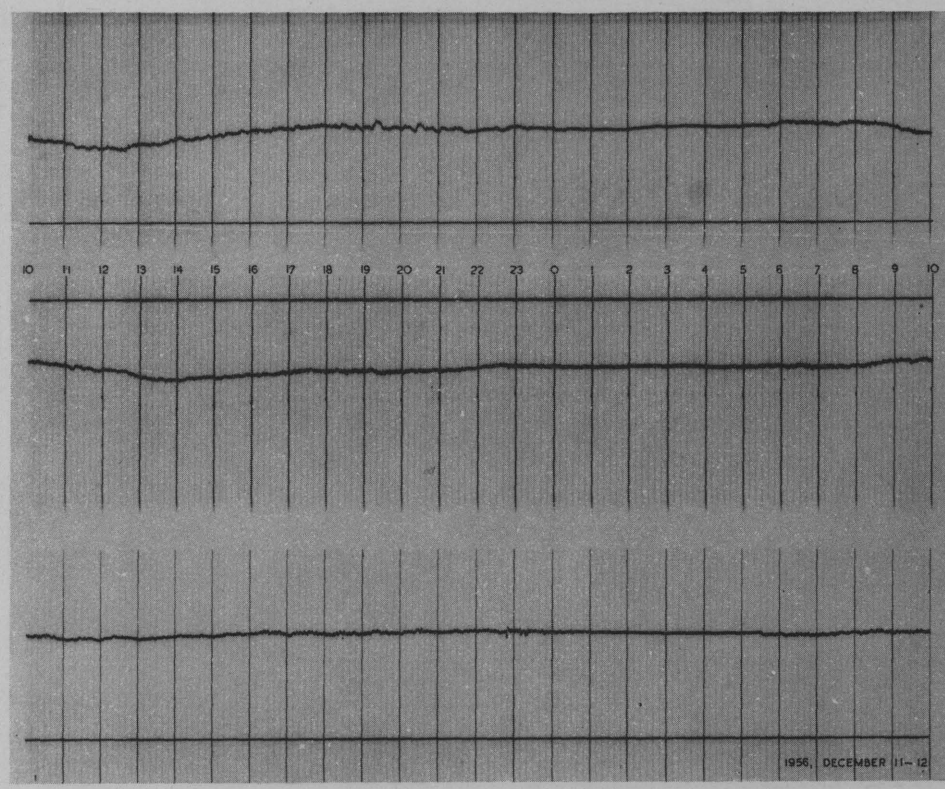


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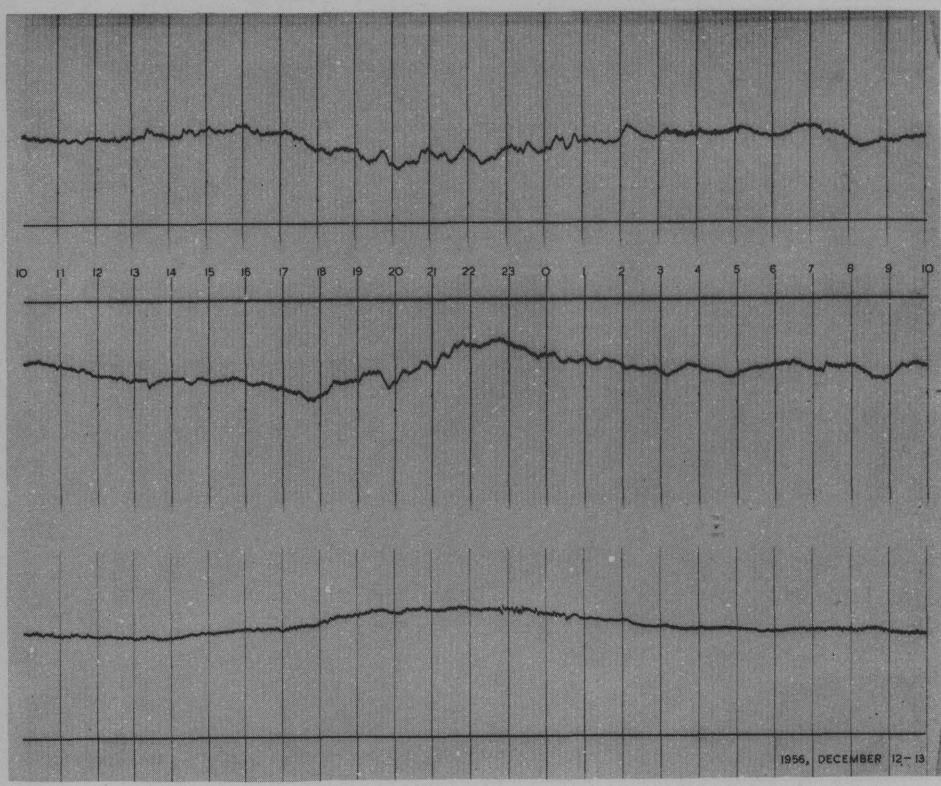


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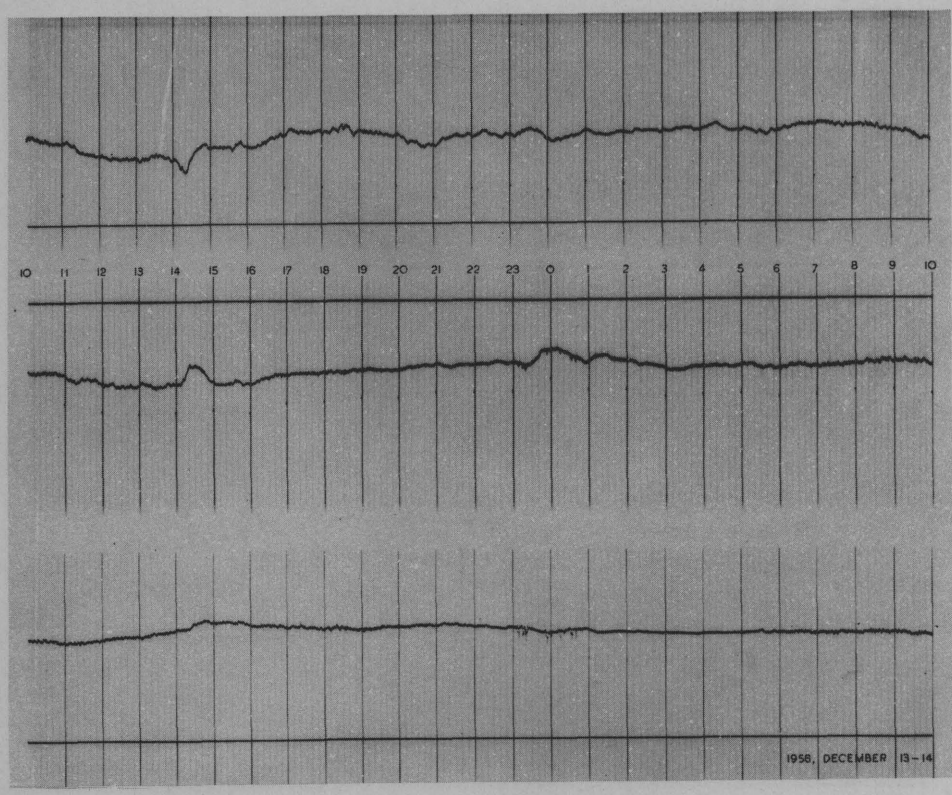


DECEMBER 13–14

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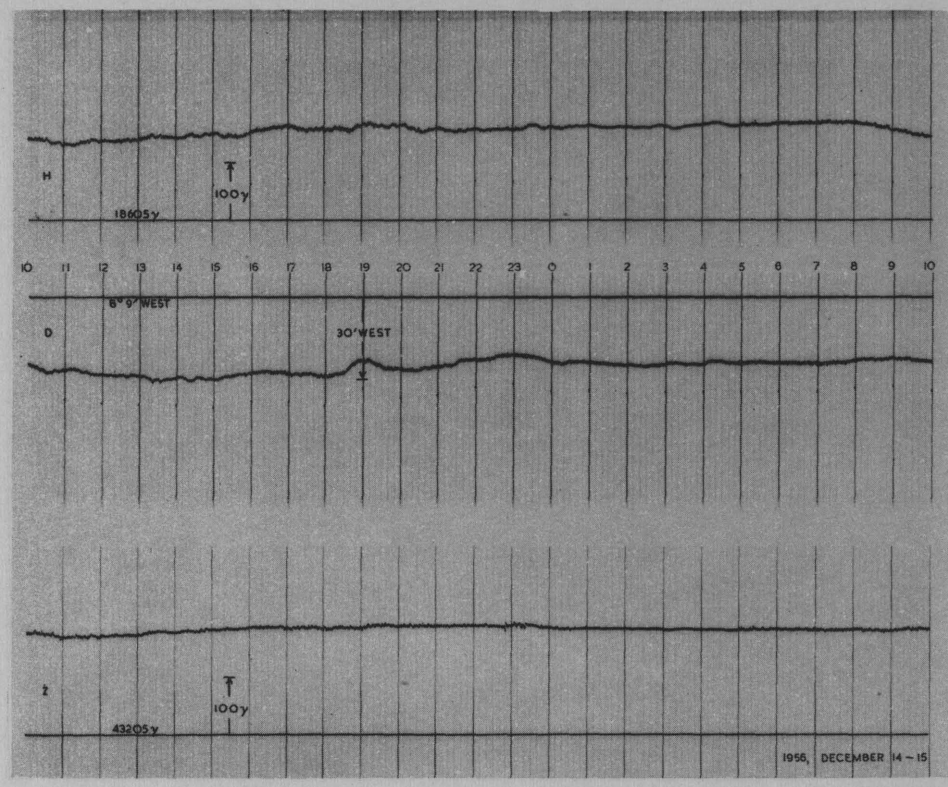


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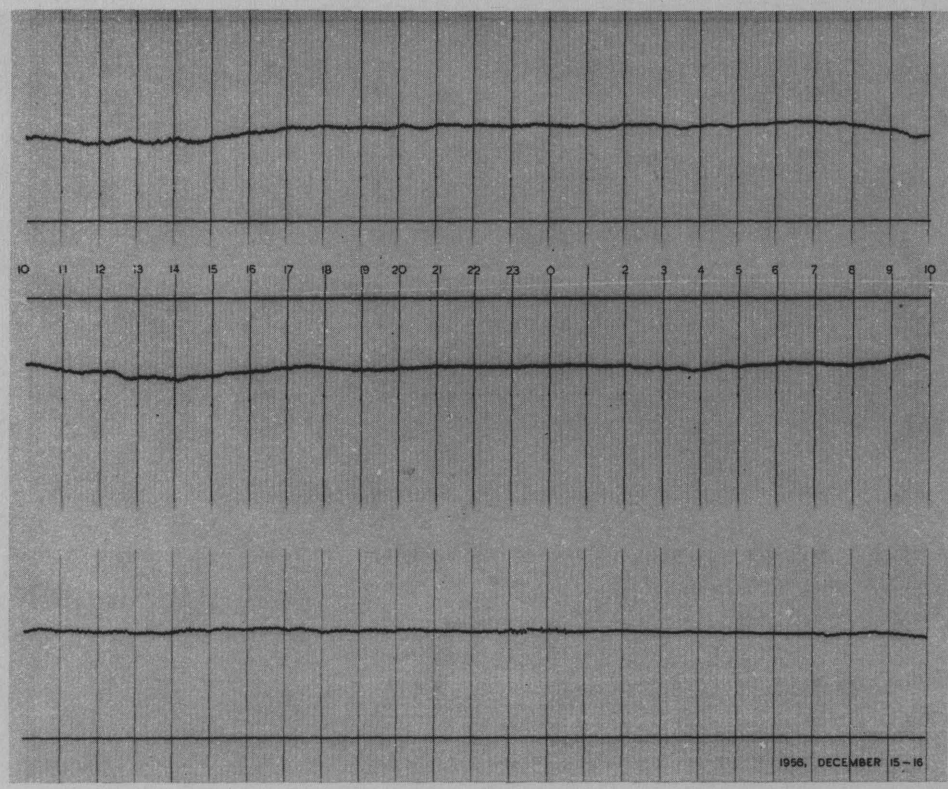


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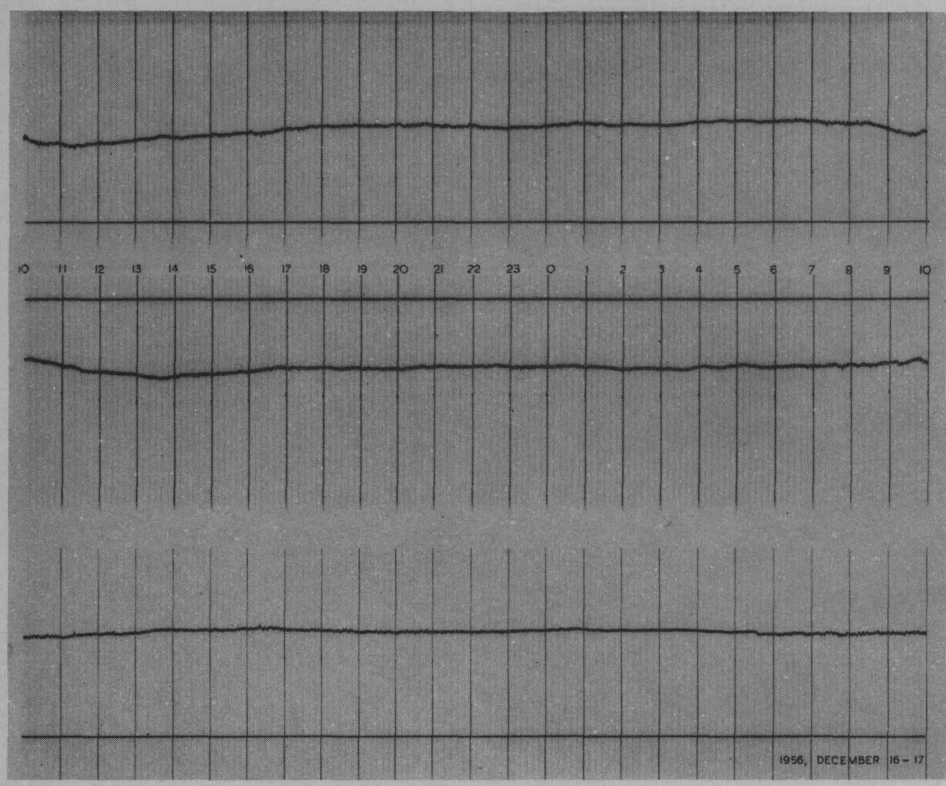


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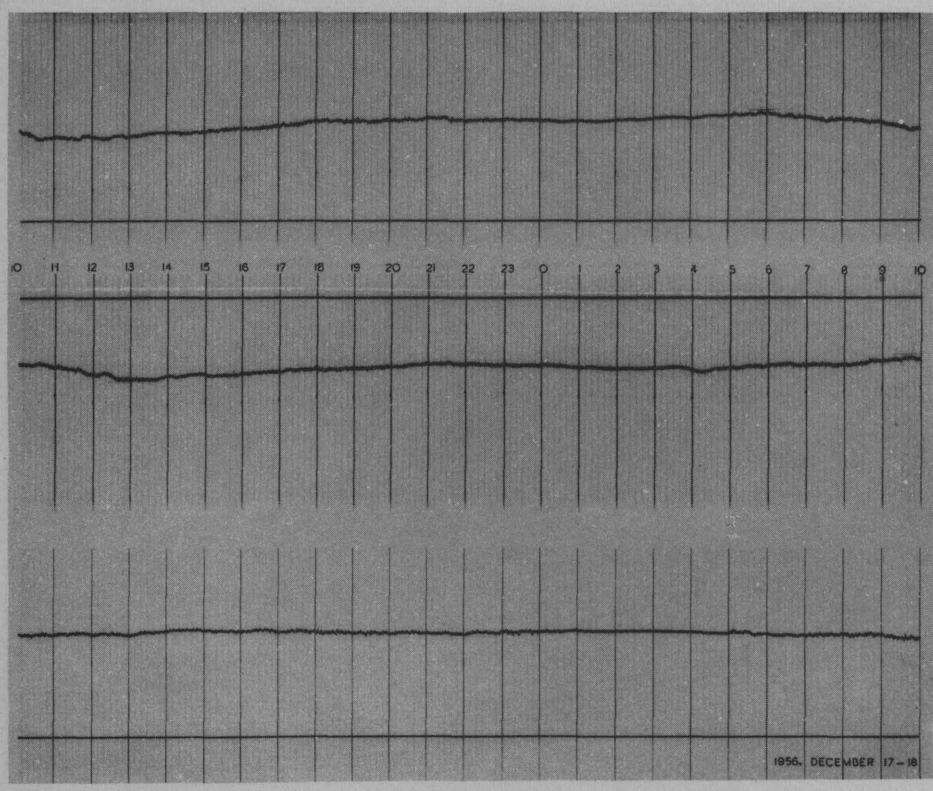


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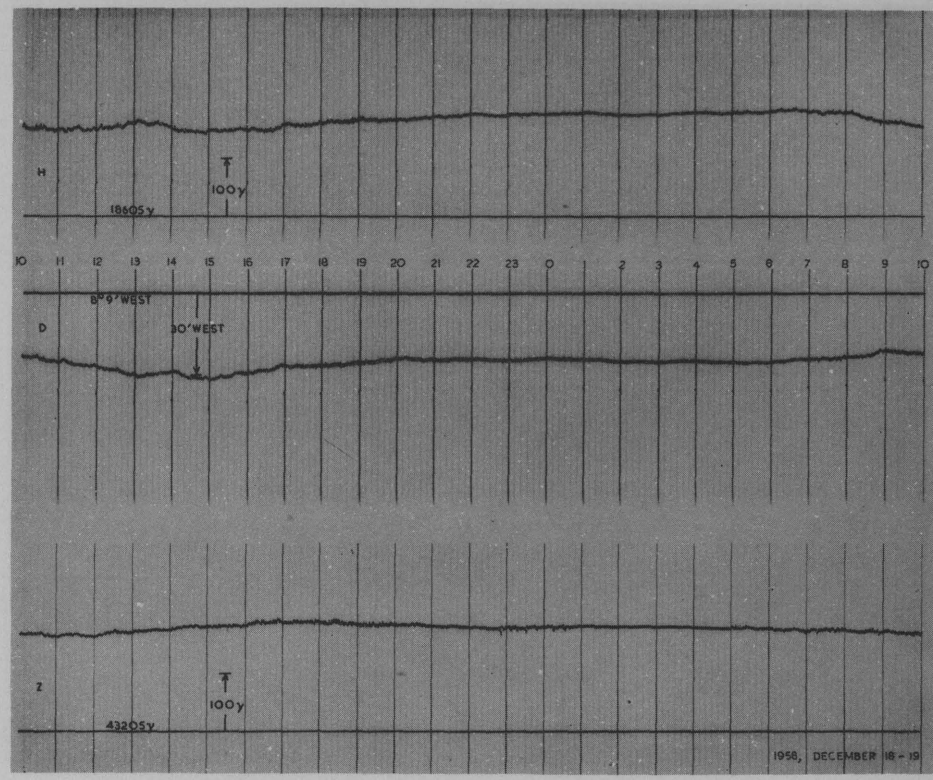


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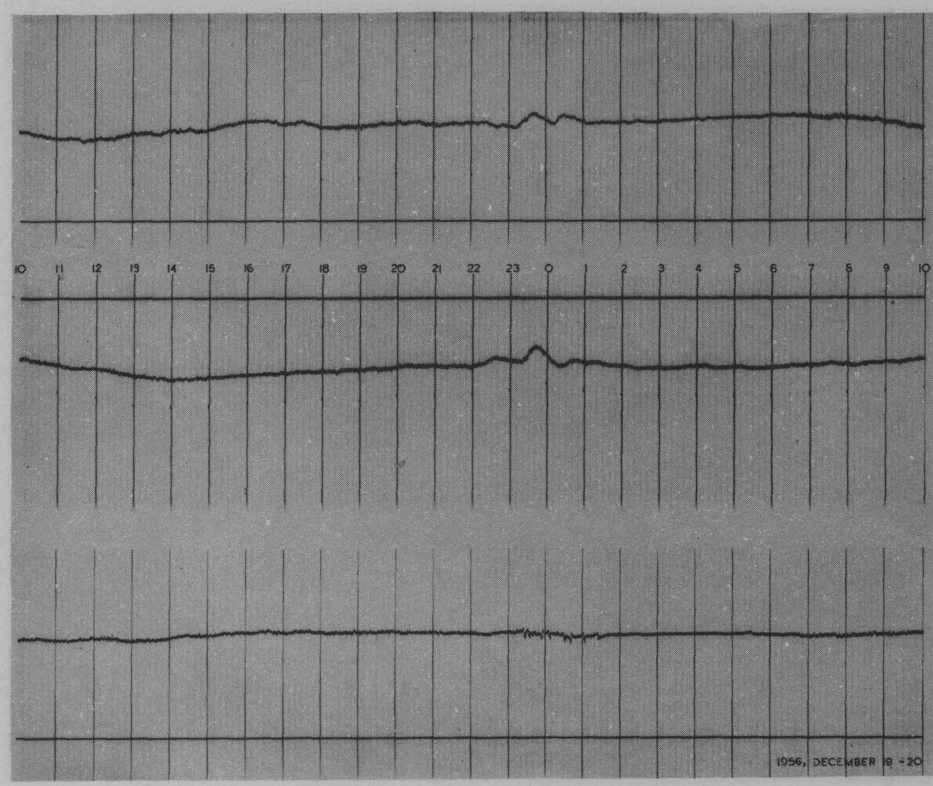


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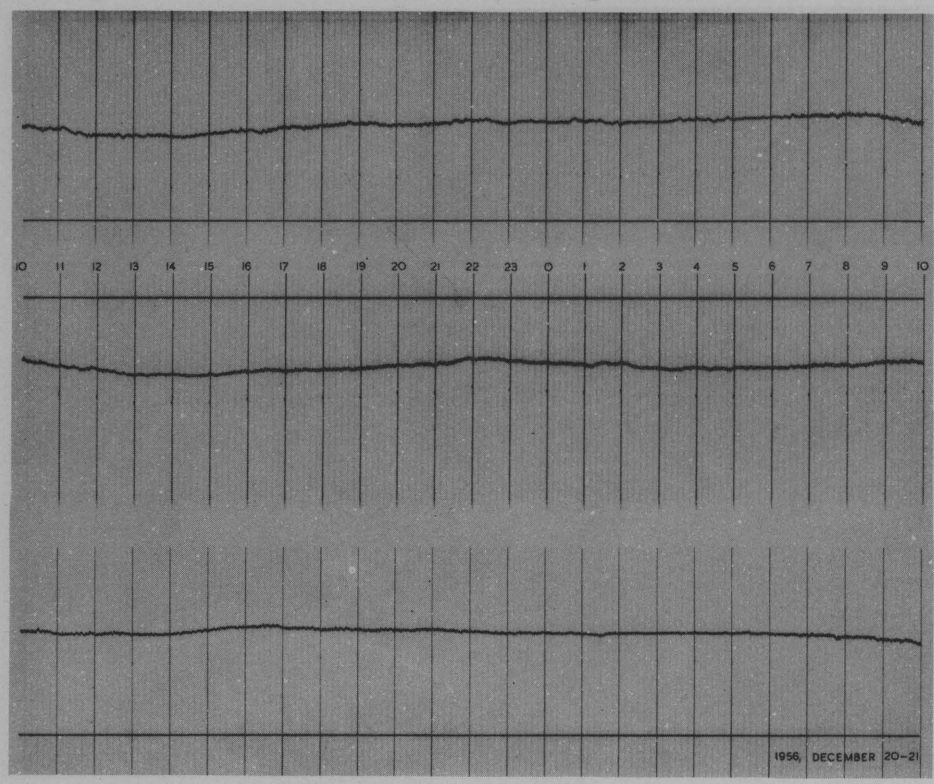


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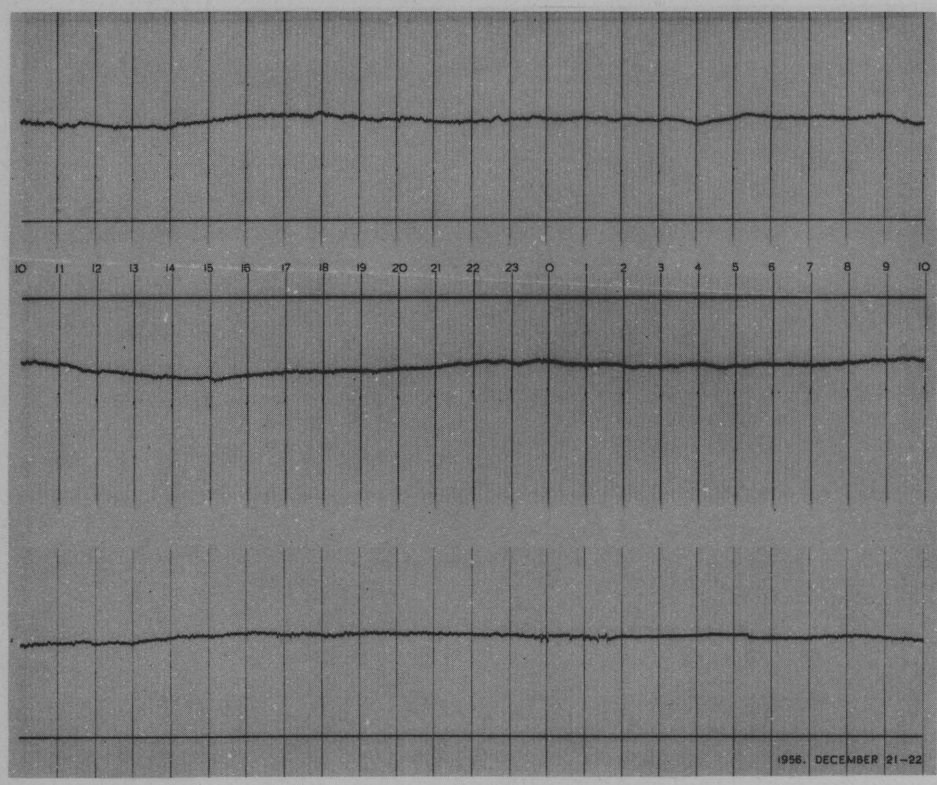


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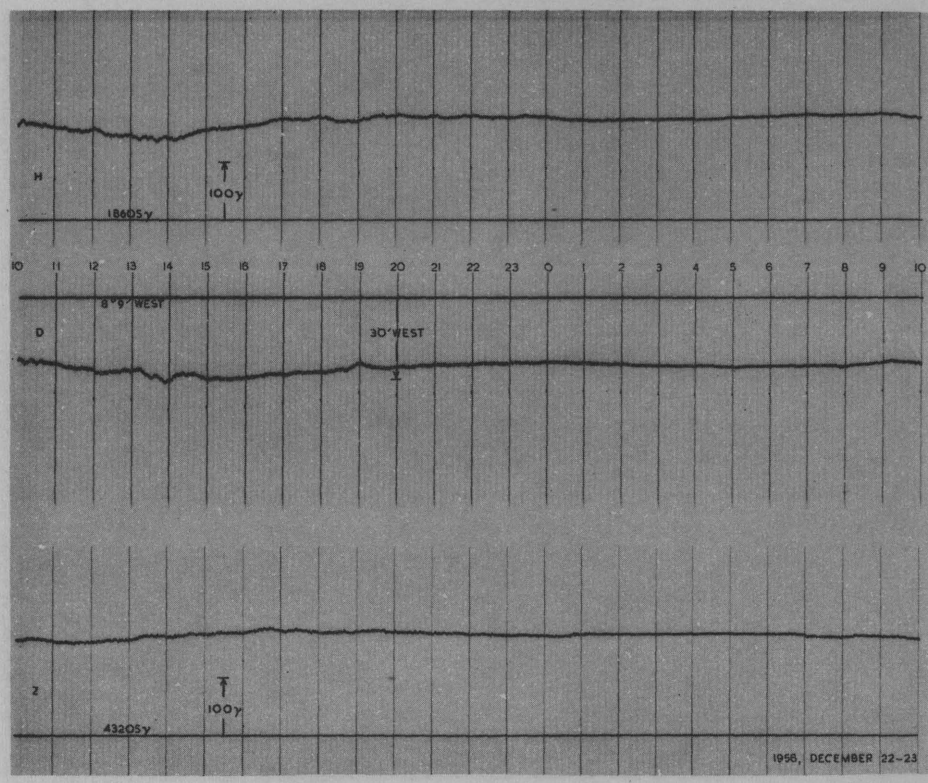


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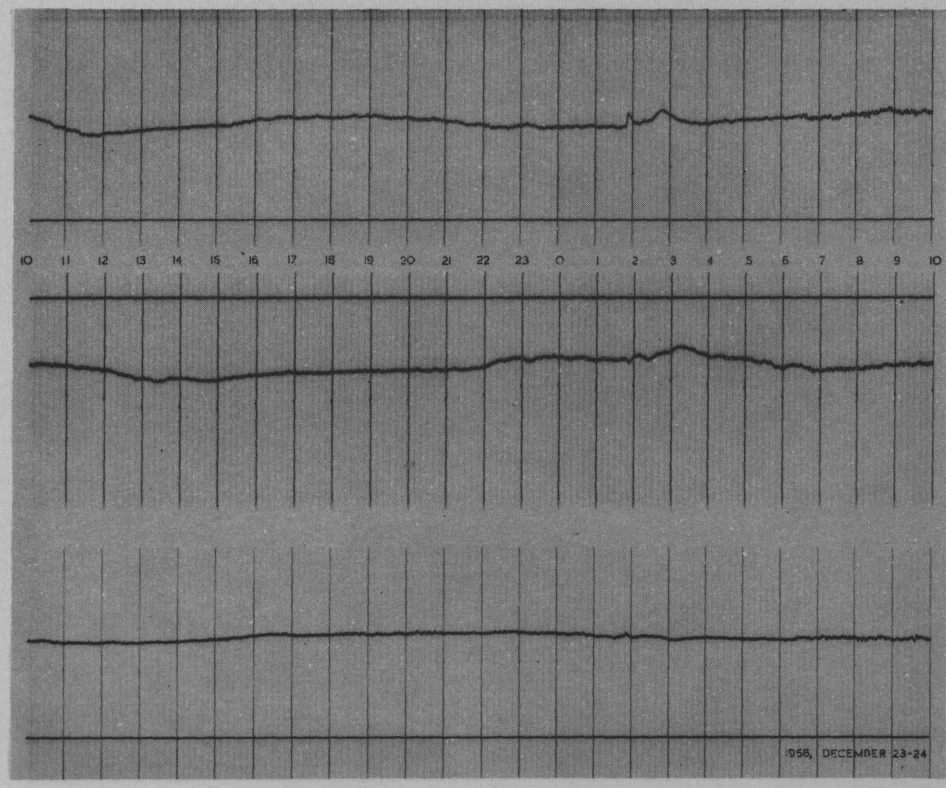


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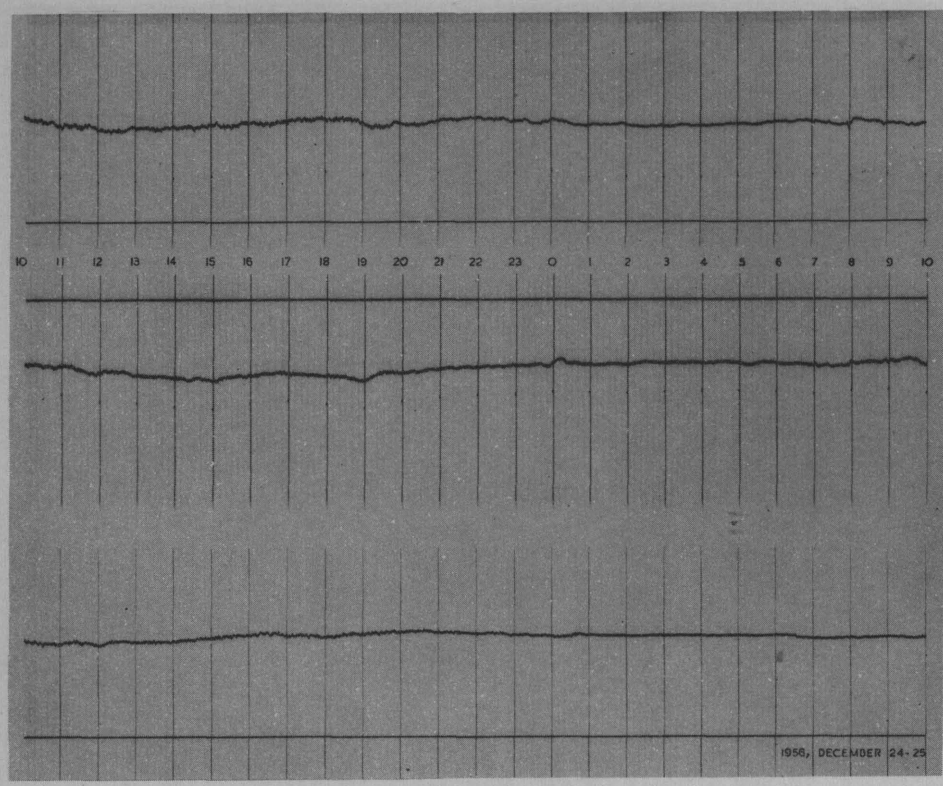


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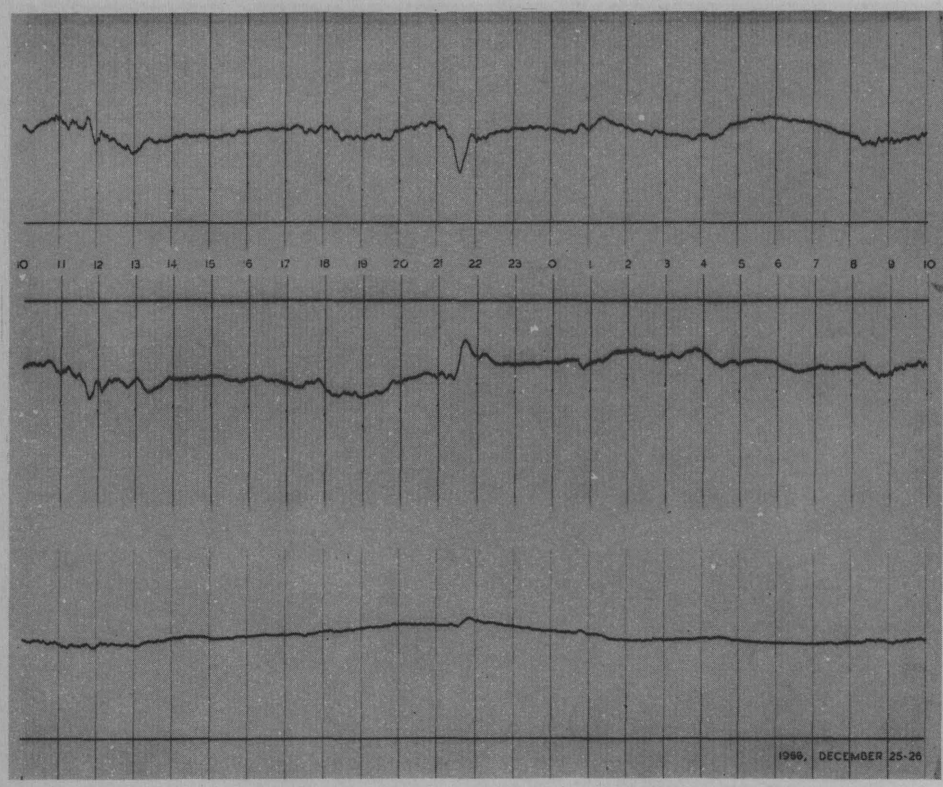


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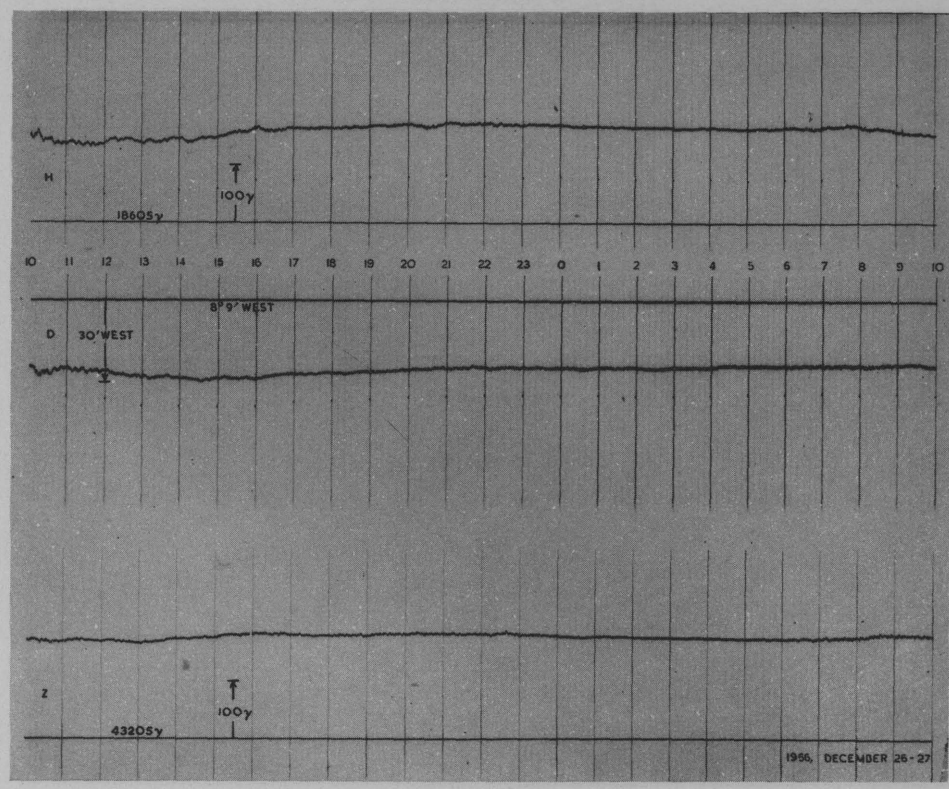


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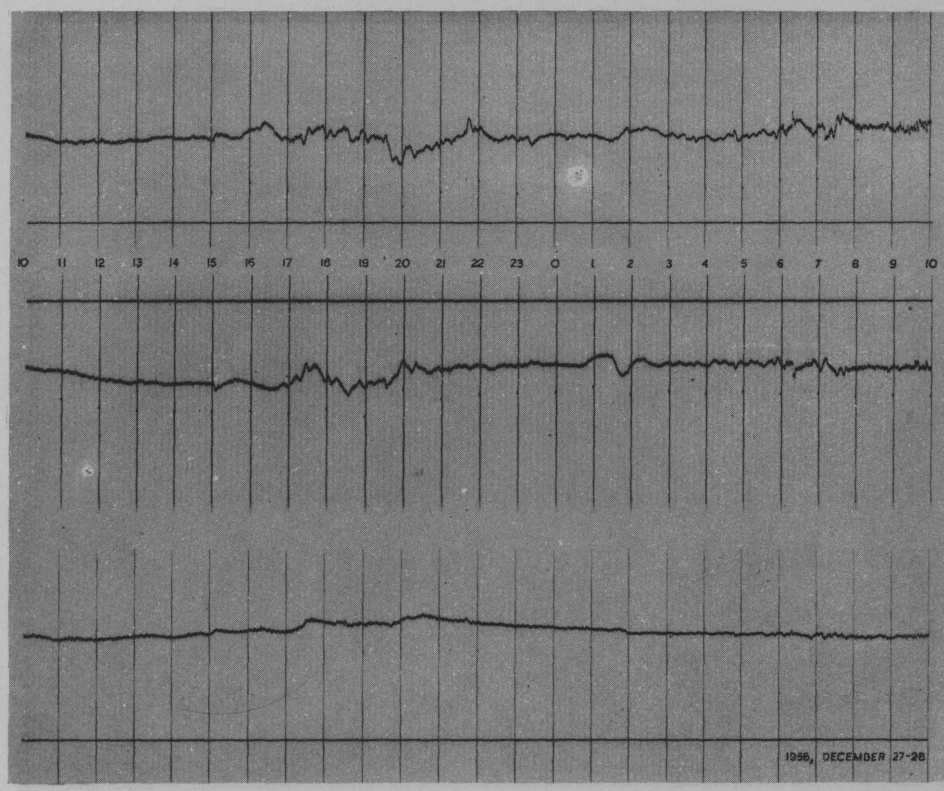


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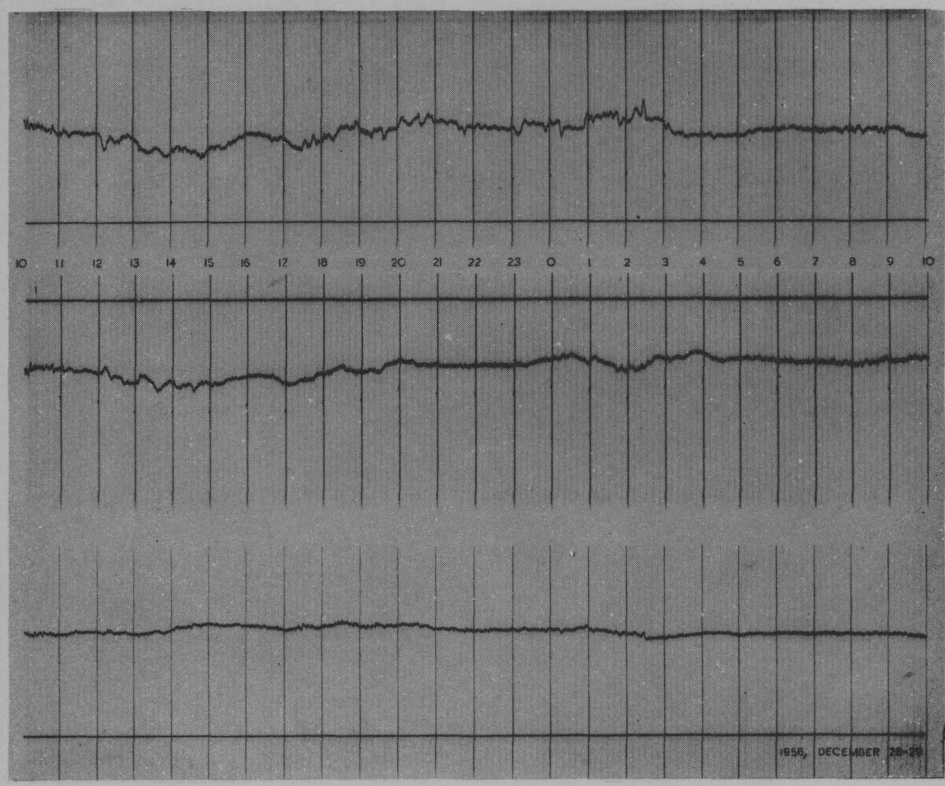


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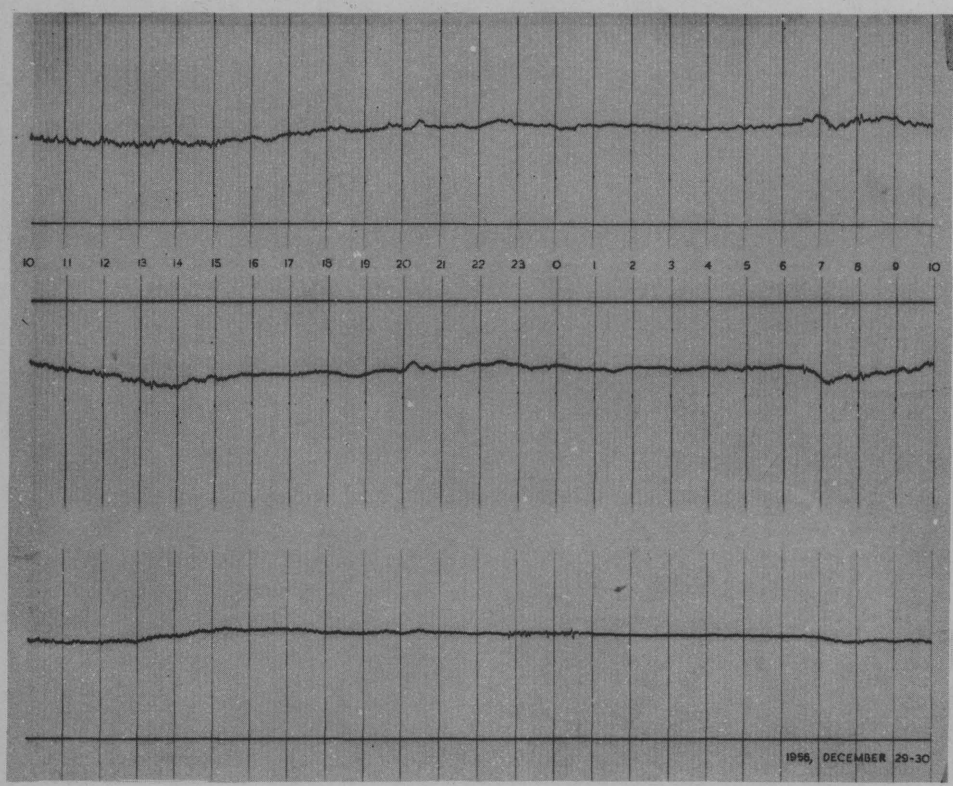


DECEMBER 29–30

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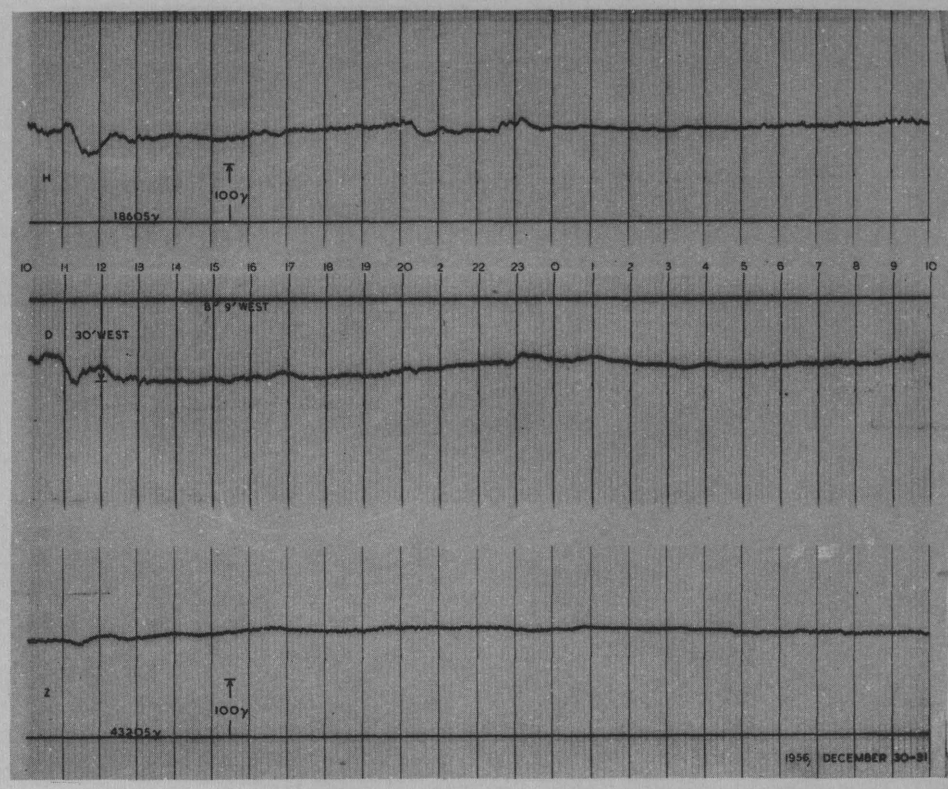
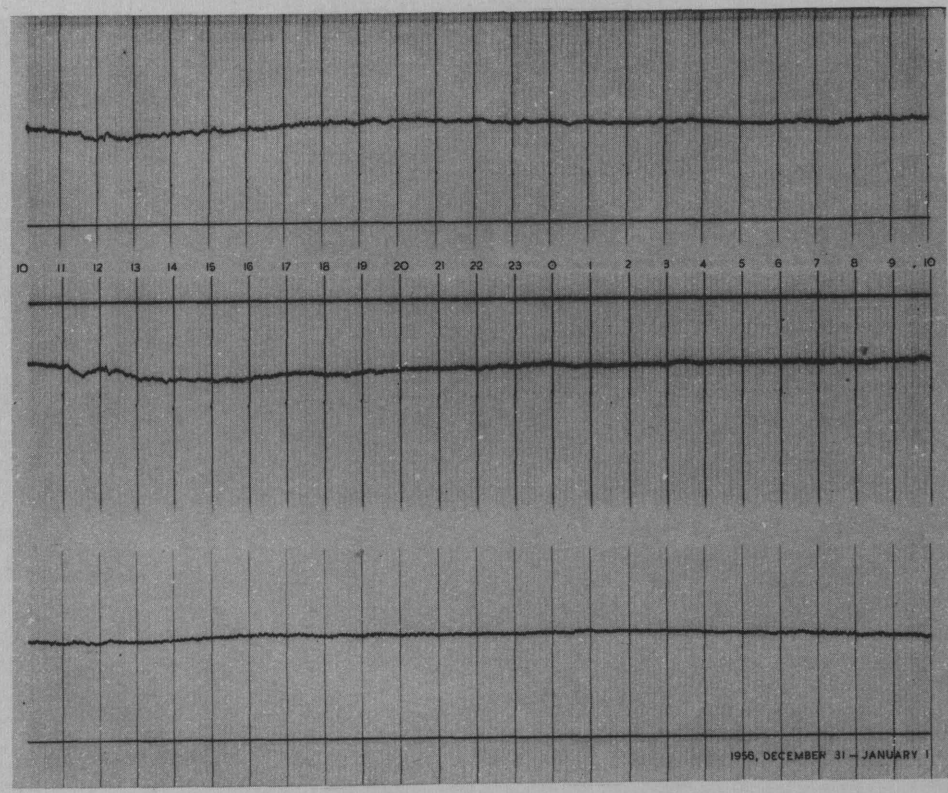



DECEMBER 30–31

1956–57




DEC. 31–JAN. 1

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