

SEISMOLOGICAL BULLETIN 1928.

BATAVIA OBSERVATORY, JAVA.

Foundation: River Quaternary.

Greenwich Mean Time. S. Latitude $6^{\circ} 11' 0''$. Height above sealevel 8 m.

E. Longitude $7^{\text{h}} 7^{\text{m}} 20.3^{\text{s}}$. (1)

WIECHERT Horizontal Pendulum, 1000 kilograms.

WIECHERT Vertical Pendulum, 1300 kilograms.

PREFACE,

The astatic seismograph of WIECHERT of 1000 kg is registering regularly since December 6th 1908; the vertical seismograph since July 9th, 1926.

The instruments are mounted on heavy brick pillars in a room with thick walls (about 70 centimeters) that is protected against the sun's heat by open galeries around it. The horizontal components are placed in E-W and N-S direction respectively.

The writing styles are lifted electrically every hour for a period of 10 seconds by the Javanese observer on duty. A lifting of two seconds every minute is given by an electrical impulse dial of the Synchronome Company Ltd., London.

For each month the mean constants for that month are applied. T_o and ε , the oscillation period and the coefficient of damping, are determined every week. V , the magnification for very short waves, is determined occasionally only. It is found for the horizontal pendulum by direct measurement, giving the pendulum displacement by means of the horizontal adjusting screw, the value of which can be determined easily from the pitch (a), the angle of displacement of the screws and the height of the screws (b) and of the centre of gravity (c) above the Cardanic suspension apparatus.

It was found

$$(a) = 1.407 \text{ mm}; (b) = 1225 \text{ mm}; (c) = 895 \text{ mm}.$$

The constants used from January — March incl., 1928, are given below

| 1927. | E-W component. | | | N-S component. | | | V. component. | | |
|--------------------|----------------|---------|-----------------|----------------|---------|-----------------|---------------|---------|-----------------|
| | V. | T_o . | ε . | V. | T_o . | ε . | V. | T_o . | ε . |
| January | 208 | 6.6 | 4.2 | 197 | 7.3 | 4.7 | 311 | 4.8 | 3.2 |
| February | " | 6.7 | 4.2 | " | 7.4 | 4.5 | 307 | 4.8 | 3.2 |
| March | " | 6.6 | 4.2 | " | 7.4 | 4.6 | 310 | 4.8 | 3.7 |

(1) For the E. Longitude of the Observatory, see: J. BOEREMA, Determination of the Eastern Longitude of Batavia; K. Magn. Met. Observ. Batavia, Verhandelingen No. 12, 1924.

The station used is that of the Göttingen Geophysical Institute.

The following abbreviations are employed:

CHARACTER OF THE EARTHQUAKE.

I = perceptible; II = moderately strong; III = strong.

d (terrae motus domesticus) = local.

v (, vicinus) = near (less than 1000 km).

r (, remotus) = distant (1000 to 5000 km).

u (, ultimus) = very distant (over 5000 km).

PHASES.

P (undae primae) = 1st preliminary tremors.

S (, secundae) = 2nd "

L (, longae) = principal phase, long waves.

M (, maximae) = maximum amplitude.

C (coda) = prominent waves among the after tremors.

F (finis) = end of perceptible movement.

PR₁, PR₂, . . . SR₁, SR₂, . . . = 1st, 2nd . . . reflected waves of P and S.

PS = waves changed by reflection from longitudinal to transversal oscillation.

WAVE-ELEMENTS, UNITS.

T = complete period in seconds.

A = amplitude, measured from median position in microns.

A_E = E.-W. component of A.

A_N = N.-S.

i (impetus) = abrupt commencement, clearly defined.

e (emersio) = gradual commencement, not clearly defined.

MALABAR.

Foundation: Volcanic.

S. Latitude 7° 13'; E. Longitude 107° 37'; Height above sea-level 1550 m.

WIECHERT Horizontal Pendulum 100 kg, NS and EW component. Since July 1911.

Time Signals by Malabar Radio.

Possession of MR. K. A. R. BOSSCHA.

MARON.

Foundation: Volcanic.

S. Latitude 7° 34'; E. Longitude 110° 25'; Height above sea-level 960 m. OMORI

Tremometer, one component. Since February 1924.

AMBOINA.

Foundation: Quaternary.

S. Latitude 3° 42'; E. Longitude 128° 10'; Height above sea-level 4 m.

WIECHERT Horizontal Pendulum 1000 kg, NS and EW component. Since October 1924.

Time Signals by Malabar Radio.

The distances given in the Bulletin Batavia are calculated with the time tables of Dr. S. W. Visser. See Verhandelingen Batavia No. 7, 1921 (*out of print*). The postponed table is an extract of these tables.

| Distance. | S-P | | P-O | | S-O | | Distance. | S-P | | P-O | | S-O | |
|-----------|-----|----|-----|----|-----|----|-----------|-----|----|-----|----|-----|----|
| | m | s | m | s | m | s | | m | s | m | s | m | s |
| 1° | 0 | 13 | 0 | 16 | 0 | 29 | 56° | 7 | 46 | 9 | 54 | 17 | 40 |
| 2 | | 25 | | 31 | | 56 | 57 | | 52 | 10 | 1 | | 53 |
| 3 | | 38 | | 46 | 1 | 24 | 58 | | 58 | | 8 | 18 | 6 |
| 4 | | 50 | 1 | 1 | | 51 | 59 | 8 | 4 | | 15 | | 19 |
| 5 | 1 | 1 | | 17 | 2 | 18 | 60 | | 10 | | 22 | | 32 |
| 6 | | 12 | | 32 | | 44 | | | | | | | |
| 7 | | 24 | | 47 | 3 | 11 | 61 | | 15 | | 29 | | 44 |
| 8 | | 35 | 2 | 2 | | 37 | 62 | | 21 | | 36 | | 57 |
| 9 | | 47 | | 16 | 4 | 3 | 63 | | 26 | | 43 | 19 | 9 |
| 10 | | 57 | | 31 | | 28 | 64 | | 32 | | 49 | 21 | |
| 11 | 2 | 8 | | 45 | | 53 | 65 | | 38 | | 55 | 33 | |
| 12 | | 19 | | 59 | 5 | 18 | 66 | 43 | | 11 | 2 | | 45 |
| 13 | | 30 | 3 | 12 | | 42 | 67 | 49 | | 8 | | 57 | |
| 14 | | 40 | | 26 | 6 | 6 | 68 | 55 | | 14 | 20 | 9 | |
| 15 | | 50 | | 39 | | 29 | 69 | 9 | 1 | | 20 | | 21 |
| 16 | 3 | 0 | | 52 | | 52 | 70 | 6 | | | 26 | | 32 |
| 17 | | 10 | 4 | 4 | 7 | 14 | 71 | | 11 | | 33 | | 44 |
| 18 | | 19 | | 17 | | 36 | 72 | | 16 | | 39 | | 55 |
| 19 | | 28 | | 29 | | 57 | 73 | | 21 | | 45 | 21 | 6 |
| 20 | | 37 | | 41 | 8 | 18 | 74 | | 27 | | 51 | | 17 |
| 21 | | 46 | | 53 | | 39 | 75 | | 32 | | 57 | | 29 |
| 22 | | 55 | 5 | 4 | | 59 | 76 | 37 | 12 | 3 | | 40 | |
| 23 | 4 | 3 | | 16 | 9 | 19 | 77 | 42 | | 9 | | 51 | |
| 24 | | 11 | | 27 | | 38 | 78 | 47 | | 15 | 22 | 2 | |
| 25 | | 19 | | 38 | | 57 | 79 | 53 | | 20 | | 13 | |
| 26 | | 27 | | 48 | 10 | 15 | 80 | 58 | | 26 | | 24 | |
| 27 | | 35 | | 58 | | 33 | 81 | 10 | 4 | | 31 | | 35 |
| 28 | | 41 | 6 | 9 | | 50 | 82 | 9 | | 37 | | 46 | |
| 29 | | 48 | | 19 | 11 | 7 | 83 | 14 | | 42 | | 56 | |
| 30 | | 56 | | 28 | | 24 | 84 | 19 | | 47 | 23 | 6 | |
| 31 | 5 | 3 | | 37 | | 40 | 85 | 24 | | 52 | | 16 | |
| 32 | | 10 | | 46 | | 56 | 86 | 28 | | 58 | | 26 | |
| 33 | | 17 | | 55 | 12 | 11 | 87 | 32 | 13 | 4 | | 36 | |
| 34 | | 24 | 7 | 4 | | 28 | 88 | 37 | | 9 | | 46 | |
| 35 | | 30 | | 13 | | 45 | 89 | 41 | | 15 | | 56 | |
| 36 | | 36 | | 22 | | 58 | 90 | 46 | | 20 | 24 | 6 | |
| 37 | | 43 | | 30 | 13 | | 91 | 50 | | 25 | | 15 | |
| 38 | | 50 | | 38 | | 28 | 92 | 55 | | 30 | | 25 | |
| 39 | | 57 | | 46 | | 43 | 93 | 59 | | 35 | | 34 | |
| 40 | 6 | 5 | | 53 | | 58 | 94 | 11 | 3 | 40 | | 43 | |
| 41 | | 11 | | 8 | 1 | 12 | 95 | 7 | | 45 | | 52 | |
| 42 | | 18 | | 9 | | 27 | 96 | 11 | | 50 | 25 | 1 | |
| 43 | | 25 | | 17 | | 42 | 97 | 15 | | 55 | | 10 | |
| 44 | | 32 | | 24 | | 56 | 98 | 18 | 14 | 0 | | 18 | |
| 45 | | 40 | | 31 | 15 | 11 | 99 | 22 | | 5 | | 27 | |
| 46 | | 47 | | 39 | | 26 | 100 | 25 | | 10 | | 35 | |
| 47 | | 53 | | 47 | | 40 | 101 | | 27 | | 15 | | 42 |
| 48 | 7 | 0 | | 54 | | 54 | 102 | 0 | 30 | | 20 | 50 | |
| 49 | | 6 | 9 | 2 | 16 | 8 | 103 | 0 | 32 | | 25 | 57 | |
| 50 | | 13 | | 9 | | 22 | 104 | | 34 | | 30 | 26 | 4 |
| 51 | | 18 | | 17 | | 35 | 105 | | 37 | | 34 | 11 | |
| 52 | | 24 | | 24 | | 48 | 106 | 8 | 40 | | 39 | 19 | |
| 53 | | 29 | | 32 | 17 | 1 | 107 | 42 | | 44 | | 26 | |
| 54 | | 35 | | 39 | | 14 | 108 | 45 | | 48 | | 33 | |
| 55 | | 40 | | 47 | | 27 | 109 | 47 | | 53 | | 40 | |
| | | | | | | | 110 | 50 | | 58 | | 46 | |

Koninklijk Magnetisch en Meteorologisch Observatorium, Batavia. (Java.)

We beg to acknowledge, with thanks, the receipt of the following seismological bulletins of the year 1927.

Wanting copies and exchange-bulletins requested.

Barcelona Jan.1 -Nov.8.
Berkeley and Lick Oct 1, '26-
 March 31, '27.
Budapest Jan.1-Dec.31.
Cambridge Dec.28-31.
Cartuja Jan.1-Dec.31.
Chicago Jan.1-Nov.22.
Cincinnati Nov.4-Dec.31.
Denver Jan.1-Dec.31.
Espana, Serv. Sism. Jan.-Oct.
Feldberg July 1-Dec.31.
Firenze Jan.1-Dec.31.
Frankfurt a.M. Jan.1-June 30.
Graz Jan.1-Dec.31.
Hamburg Jan.1-Dec.31.
Helsingfors Jan.1-July 25.
Hohenheim Jan.1-Dec.31.
Hongkong Jan.-Dec.
Irkutsk Jan.-April.
Jena Jan.15-June 30; Oct.1-Dec.
Jinsen Jan.1-Dec.31.
Kew Jan.-Dec.
Kobe Jan.1-March-6-Dec.31.
Köbenhavn March 3-April 30.
Kucino Jan.-April.
La Paz Jan.-Dec.
La Plata Jan, Apr, Dec.

Lemberg Jan.1-Sept.12.
Leningrad Jan.-April.
Makeevka Jan.-April.
Manila Jan.-Dec.
Nagasaki Jan.1-Nov.23.
New Orleans Jan.1-April 14.

New York Jan.1 - Oct.24.
Osaka Jan.1-Feb.19.

Ottawa Jan.1-Dec.31.
Paris Jan.1-Dec.31.
Perth Jan.1-Dec.31.
Phu Lien Jan.-July
Pulkovo Jan.-April.
Ravensburg Jan.1-Dec.31.
Riverview 4 special bulletins.
Saint Louis,C.S. prelim.bulletins.
Saint Louis,Univ. Jan.1-Dec.31.
San Fernando Jan.1-Dec.31.
Spokane Jan.1-Sept.18.
Stonyhurst Jan.1-Nov.26.
Strasbourg B.B.T. Jan.-Dec.
 id.- I.Ph.G. Jan.-Dec.
 id.- B.C.S.F. Jan.-Dec.
 id.- U.G.G.I. Jan.-Dec.
Sucre Jan.1-Dec.31.
Sverdlovsk Jan.-April.
Tachkent Jan.-Febr.
Taihoku Jan.1-Dec.31.
Tiflis Jan.-May.
Uccle Jan.-Dec.
Washington Seismol.Desp.
 id.- U.S.C.& G.S. Prelim.
 Determin. of Epic.
Wellington January.
Wien Jan.1-Dec.31.
Zagreb Jan.1-Dec.31.
Zi-Ka-Wei Jan.1-Dec.31.
Zurich Sammelbulletin 66-74.

Batavia, 18-6-1928.

JANUARY 1928.

| Nº. | Date 1928. | Station. | Character. | Phase. | Time (G.M.T.). | Period. | Amplitude (half). | | Distance of epi- centre | Remarks. |
|-----|---------------|----------|----------------|-----------------|-------------------|---------|----------------------|----------------|-------------------------------|-----------|
| | | | | | | | A _E | A _N | | |
| 1 | Jan. 2 | Mal. | I | P | 16 | 32 | 5 | sec. | μ | km. 85 |
| | | | | iS | 16 | 32 | 15 | | μ | |
| | | | | F | 16 | 44 | | | | |
| | " 4 | Bat. | I | i ₁ | 21 | 53 | 13 | | | |
| | | | | i ₂ | 21 | 54 | 55 | | | |
| | | Amb. | I | L _v | 21 | 50,6 | | | | |
| | | | | eL | 21 | 53,6 | | | | |
| | | | | F | 22 | 8 | | | | |
| | | | | i _N | 21 | 50 | 48 | | 2350 | |
| | | | | i | 21 | 50 | 54 | | | |
| 2 | " 5 | Bat. | I _r | iP _E | 14 | 2 | 57 | | | 2680 |
| | | | | iS _N | 14 | 7 | 9 | | | |
| | | | | F | 14 | 15 | | | | |
| 3 | " 6 | Bat. | I _r | iP _E | 4 | 12 | 43 | | | 5090 |
| | | | | iS _N | 4 | 17 | 15 | | | |
| | | | | F | 4 | 27 | | | | |
| 4 | " 6 | Bat. | I | i _v | 19 | 43 | 11 | | | |
| | | | | i _E | 19 | 43 | 15 | | | |
| | | | | i _E | 19 | 43 | 58 | | | |
| | | | | i _N | 19 | 52 | 15 | | | |
| | | | | eL _v | 19 | 53 | | | | |
| | | | | i | 19 | 54 | 21 | | | |
| | | | | L _v | 20 | 1 | | | | |
| | | | | L | 20 | 5,6 | | | | |
| | | | | F | 20 | 48 | | | | |
| | " 7 | Amb. | I | P | 5 | 11 | 8 | | | 770 |
| | | | | i | 5 | 12 | 26 | | | |
| | | | | iS | 5 | 12 | 31 | | | |
| | | | | F | 5 | 32 | | | | |
| 5 | " 10 | Bat. | I | e _E | 5 | 22 | | | | |
| | | | | i _N | 5 | 29 | 57 | | | |
| | | | | F | 5 | 40 | | | | |
| 6 | " 15 | Bat. | I _r | P | 2 | 58 | 41 | | | 1470 |
| | | | | eS | 3 | 1 | 13 | | | |
| | | | | F | 3 | 29,4 | | | | |
| | " 17 | Mal. | I | P | 17 | 40 | 56 | | | 120 |
| | | | | iS | 17 | 41 | 10 | | | |
| | | | | F | 17 | 43 | | | | |
| 7 | " 18 | Bat. | I | e | 0 | 52,7 | | | | |
| | | | | i | 0 | 54 | 43 | | | |
| | | | | F | 1 | 7 | | | | |
| | " 18 | Mal. | I | P | 9 | 8 | 8 | | | 100 |
| | | | | iS | 9 | 8 | 20 | | | |
| | | | | F | 9 | 11 | | | | |

| No. | Date 1928. | Station. | Character. | Phase. | Time (G. M. T.) | Period. | Amplitude (half) | | Distance of epi- centre. | Remarks. |
|-----|---------------|----------|-----------------|-----------------------------|--------------------|---------|---------------------|----------------|--------------------------------|----------------------|
| | | | | | | | A _E | A _N | | |
| 8 | Jan. 24 | Bat. | I _v | iP _v | 10 48 21 | sec. | μ | μ | km. 180 | Probably Krakatau |
| | | | | i _v | 10 48 30 | | | | | |
| | | | | iS _v | 10 48 42 | | | | | |
| | | | | F | 10 50 | | | | | |
| 9 | » 25 | Bat. | I _v | iP _v | 8 4 12 | | | | 180 | Probably Krakatau. |
| | | | | i _v | 8 4 16 | | | | | |
| | | | | i ₂ _v | 8 4 19 | | | | | |
| | | | | i ₃ _v | 8 4 21 | | | | | |
| | | | | iS _v | 8 4 52 | | | | | |
| | | | | F | 8 7 | | | | | |
| 10 | » 25 | Bat. | I _v | iP _v | 10 5 24 | | | | 170 | Probably Krakatau. |
| | | | | i _v | 10 5 33 | | | | | |
| | | | | iS _v | 10 5 43 | | | | | |
| | | | | F | 10 8 | | | | | |
| — | » 26 | Amb. | | P | 4 2 9 | | | | 580 | |
| | | | | i | 4 2 48 | | | | | |
| | | | | iS | 4 2 52 | | | | | |
| | | | | F | 4 7 | | | | | |
| 11 | » 26 | Bat. | I _v | iP _v | 11 4 40 | | | | 180 | Probably Krakatau. |
| | | | | i _v | 11 4 44 | | | | | |
| | | | | iS _v | 11 5 0 | | | | | |
| | | | | F | 11 7 | | | | | |
| 12 | » 26 | Bat. | II _r | i _v | 21 54 5 | | | | 1110 | Sumatra's West Kust. |
| | | | | P _E | 21 54 7 | | | | | |
| | | | | iP | 21 54 8 | | | | | |
| | | | | i _E | 21 54 46 | | | | | |
| | | | | i _N | 21 56 2 | | | | | |
| | | | | iS | 21 56 5 | | | | | |
| | | | | L _v | 21 58 46 | | | | | |
| | | | | F | 23 3 | | | | | |
| | | Mal. | | P | 21 54 22 | | | | 1220 | |
| | | | | iP | 21 54 26 | | | | | |
| | | | | i | 21 56 18 | | | | | |
| | | | | iS | 21 56 30 | | | | | |
| | | | | L | 21 57,4 | | | | | |
| | | | | M | 21 59 11 | | | | | |
| | | | | F | 22 12 | | | | | |
| 13 | » 27 | Bat. | I _v | iP _v | 5 50 34 | | | | 150 | Probably Krakatau |
| | | | | i _v | 5 50 40 | | | | | |
| | | | | iS _v | 5 50 51 | | | | | |
| | | | | F | 5 52 | | | | | |
| — | » 27 | Mal. | | P | 14 19 11 | | | | 250 | |
| | | | | iS | 14 19 39 | | | | | |
| | | | | F | 14 22 | | | | | |
| 14 | » 30 | Bat. | I _u | iP | 5 24 42 | | | | 5850 | |
| | | | | iS | 5 32 9 | | | | | |
| | | | | F | 5 57 | | | | | |
| 15 | » 30 | Bat. | I | P _E | 22 43 58 | | | | 220 | |
| | | | | i | 22 43 44 | | | | | |
| | | | | iS | 22 44 5 | | | | | |
| | | | | F | 22 50 | | | | | |
| | | Mal. | | e | 22 43,8 | | | | (270) | |
| | | | | S | 22 44 18 | | | | | |
| | | | | F | 22 46 | | | | | |

FEBRUARY.

| No. | Date 1928 | Station. | Character | Phase. | Time (Greenwich). | | Period. | Amplitude (half). | Distance of epi- centre. | Remarks. |
|-----|--------------|----------|-----------------|-----------------|----------------------|----------------|---------|----------------------|--------------------------------|---------------------------|
| | | | | | A _E | A _N | | | | |
| — | Feb. 2 | Mal. | | P | 8 | 53 | 41 | sec. | km. | |
| | | | | S | 8 | 54 | 0 | | 160 | |
| | | | | F | 8 | 55 | | | | |
| — | Feb. 2 | Mal. | | P | 10 | 0 | 8 | | 170 | |
| | | | | iS | 10 | 0 | 28 | | | |
| | | | | F | 10 | 2 | | | | |
| 16 | Feb. 2 | Bat. | I _v | i _v | 14 | 18 | 57 | | 520 | Vlakken Hoek (Benkoelen). |
| | | | | e | 14 | 18 | 58 | | | |
| | | | | iS | 14 | 19 | 34 | | | |
| | | | | M | 14 | 20 | 26 | | | |
| | | | | F | 14 | 26 | | | | |
| | | Mal | | P | 14 | 19,4 | | | | |
| | | | | S _E | 14 | 19 | 41 | | | |
| | | | | F | 14 | 32 | | | | |
| — | Feb. 5 | Amb. | | iP | 10 | 47 | 25 | | 110 | |
| | | | | iS | 10 | 47 | 56 | | | |
| | | | | F | 10 | 52 | | | | |
| 17 | Feb. 5 | Bat. | I _n | i _n | 15 | 59 | 40 | | | |
| | | | | i _n | 14 | 2 | 55 | | | |
| | | | | e _E | 14 | 30 | | | | |
| | | | | L _N | 14 | 39 | | 15 | | |
| | | | | F | 14 | 42 | | | | |
| — | Feb. 4 | Amb. | | iP | 5 | 28 | 24 | | | Thrown off. |
| 18 | Feb. 4 | Bat. | I | i _E | 6 | 17 | 55 | | | |
| | | | | i _v | 6 | 17 | 42 | | | |
| | | | | i _v | 6 | 17 | 44 | | | |
| | | | | F | 6 | 39 | | | | |
| 19 | Feb. 5 | Bat. | I _v | iP | 20 | 5 | 8 | | 260 | West-Java. |
| | | | | i | 20 | 5 | 18 | | | |
| | | | | iS | 20 | 5 | 38 | | | |
| | | | | M | 20 | 6 | 15 | | | |
| | | | | F | 20 | 12 | | | | |
| | | Mal. | | iP | 20 | 4 | 52 | | 140 | |
| | | | | i _n | 4 | 4 | 54 | | | |
| | | | | iS | 20 | 5 | 8 | | | |
| | | | | F | 20 | 9 | | | | |
| 20 | Feb. 6 | Bat. | II _r | iP _v | 3 | 57 | 28 | | | |
| | | | | iP | 5 | 57 | 29 | | | |
| | | | | i ₁ | 5 | 58 | 5 | | | |
| | | | | i ₂ | 4 | 1 | 44 | | | |
| | | | | L _v | 4 | 9 | | 20 | | |
| | | | | F | 4 | 52 | | | | |
| | | Mal. | | i | 5 | 57 | 29 | | | |
| | | | | i _E | 5 | 57 | 58 | | | |
| | | | | i _v | 4 | 1 | 51 | | | |
| | | | | i _v | 4 | 2 | 16 | | | |
| | | | | L | 4 | 7 | | 25 | | |
| | | | | F | 4 | 15 | | | | |
| | | Amb. | | iP | 5 | 54 | 51 | | 1270 | |
| | | | | i | 5 | 55 | 15 | | | |
| | | | | iS | 5 | 57 | 3 | | | |
| | | | | L | 4 | 10 | | 15,9 | | |
| | | | | F | 4 | 15 | | | | |

| No. | Date 1928. | Station. | Char- acter. | Phase | Time (Greewich). | | | Period. | Amplitude (half). | Distance of epi- centre. | Remarks. |
|-----|---------------|----------|-----------------|-------------------|---------------------|------|----|---------|----------------------|--------------------------------|--------------------|
| | | | | | h | m | s | | | | |
| — | Feb. 6 | Amb. | | iP | 18 | 54 | 57 | sec. | μ | km. (150) | |
| | | | | i | 18 | 54 | 59 | | μ | | |
| | | | | i | 18 | 55 | 2 | | | | |
| | | | | S | 18 | 55,2 | | | | | |
| | | | | F | 18 | 59 | | | | | |
| 21 | Feb. 6 | Bat. | I _v | i _v | 19 | 56 | 10 | | | 290 | In minute eclipse. |
| | | | | i _E | 19 | 56 | 12 | | | | |
| | | | | i | 19 | 56 | 19 | | | | |
| | | | | iS | 19 | 56 | 45 | | | | |
| | | | | M | 19 | 57 | 58 | | | | |
| | | | | F | 19 | 42 | | | | | |
| | | Mal. | | iP | 19 | 55 | 55 | | | 160 | |
| | | | | iS | 19 | 56 | 11 | | | | |
| | | | | F | 19 | 59 | | | | | |
| | | | | iP | 20 | 0 | 25 | | | 250 | |
| | | | | i | 20 | 0 | 27 | | | | |
| | | | | S | 20 | 0 | 49 | | | | |
| | | | | F | 20 | 4 | | | | | |
| 22 | Feb. 7 | Bat. | II _r | i _v | 0 | 5 | 56 | | | 2140 | Dilatation. |
| | | | | iP _{EV} | 0 | 5 | 58 | | | | |
| | | | | i | 0 | 6 | 0 | | | | |
| | | | | i _N | 0 | 9 | 17 | | | | |
| | | | | iS _N | 0 | 9 | 26 | | | | |
| | | | | i _v | 0 | 9 | 50 | | | | |
| | | | | L _v | 0 | 20 | | | | | |
| | | Mal. | | F | 1 | 17 | | | | | |
| | | | | iP | 0 | 6 | 8 | | | 2220 | |
| | | | | i _N | 0 | 6 | 15 | | | | |
| | | | | iS | 0 | 9 | 45 | | | | |
| | | | | L | 0 | 12 | 49 | | | | |
| | | | | F | 0 | 45 | | | | | |
| | | Amb. | | i | 0 | 4 | 58 | | | | |
| | | | | L | 0 | 19 | | | | | |
| | | | | F | 0 | 50 | | | | | |
| | | | | i | 2 | 14 | 4 | | | | |
| | | | | F | 2 | 18 | | | | | |
| 23 | Feb. 7 | Bat. | II _d | i _v | 6 | 27 | 25 | | | 160 | West-Java. |
| | | | | iP _{N,V} | 6 | 27 | 26 | | | | |
| | | | | iS _E | 6 | 27 | 27 | | | | |
| | | | | M | 6 | 28 | 20 | | | | |
| | | | | F | 6 | 59 | | | | | |
| | | Mal. | | iP | 6 | 27 | 12 | | | 110 | Azimuth SW. |
| | | | | iS | 6 | 27 | 25 | | | | |
| | | | | off | 6 | 27 | 26 | | | | |
| | | | | iP | 8 | 58 | 23 | | | | |
| | | | | F | 8 | 51 | | | | | |
| | | | | i _N | 9 | 28,5 | | | | | |
| | | | | iS | 9 | 28 | 28 | | | | |

| No. | Date 1928 | Sta- tions. | Char- acter. | Phase. | Time (Greenwich). | Period. | Amplitude (half). | | Distance of epi- centre. | Remarks. |
|------|--------------|----------------|-----------------|-------------------|----------------------|---------|----------------------|----------------|--------------------------------|----------|
| | | | | | | | A _E | A _N | | |
| (25) | | Mal | | i P | h 11 | m 8 | s 42 | sec | μ | μ |
| | | | | i S | 11 | 9 | 44 | | | km. |
| | | | | F | 11 | 18 | | | 570 | |
| 26 | Feb. 15 | Bat. | I _r | i P _v | 5 | 41 | 15 | | | 4420 |
| | | | | e _E | 5 | 41 | 15 | | | |
| | | | | i _{E, v} | 5 | 41 | 16 | | | |
| | | | | i | 5 | 45 | 55 | | | |
| | | | | i S | 5 | 47 | 16 | | | |
| | | | | F | 5 | 57 | | | | |
| 27 | " 15 | Bat. | I | e | 16 | 39 | 4 | | | |
| | | | | i _v | 16 | 39 | 9 | | | |
| | | | | e L | 16 | 46 | | 12 | | |
| | | | | F | 17 | 4 | | | | |
| | | Amb. | | i P | 16 | 35 | 22 | | | |
| | | | | i | 16 | 36 | 24 | | | |
| | | | | i | 16 | 40 | 37 | | | |
| | | | | F | 16 | 46 | | | | |
| | " 14 | Amb. | | P | 1 | 41 | 29 | | | 520 |
| | | | | i S | 1 | 42 | 5 | | | |
| | | | | F | 1 | 44 | | | | |
| | " 16 | Amb. | | P | 8 | 41 | 47 | | | 160 |
| | | | | i S | 8 | 42 | 5 | | | |
| | | | | F | 8 | 48 | | | | |
| | " 16 | Amb. | | i P | 16 | 10 | 22 | | | 210 |
| | | | | S | 16 | 10 | 46 | | | |
| | | | | F | 16 | 14 | | | | |
| 28 | " 21 | Bat. | I _u | e _E | 20 | 5 | 36 | | | |
| | | | | i | 20 | 12 | 44 | | | |
| | | | | e L | 20 | 39 | | 22 | | |
| | | | | F | 21 | 7 | | | | |
| 29 | " 23 | Bat. | I | i _{E, v} | 19 | 7 | 55 | | | |
| | | | | i _N | 19 | 8 | 5 | | | |
| | | | | i | 19 | 12 | 9 | | | |
| | | | | i _N | 19 | 12 | 57 | | | |
| | | | | i _E | 19 | 15 | 5 | | | |
| | | Amb. | | F | 19 | 22 | | | | |
| | | | | i | 19 | 5 | 35 | | | |
| | | | | i P | 19 | 5 | 39 | | | |
| | | | | S | 19 | 5 | 1 | | | |
| | | | | F | 19 | 20 | | | | |
| 30 | " 24 | Bat. | I | e | 13 | 28 | | | | |
| | | | | L _E | 13 | 2 | | 19 | | |
| | | | | F | 13 | 16 | | | | |
| 31 | " 25 | Bat. | I | e | 10 | 59 | 10 | | | |
| | | | | i _N | 11 | 4 | 4 | | | |
| | | | | i _N | 11 | 5 | 14 | | | |
| | | | | F | 11 | 14 | | | | |
| 32 | " 26 | Bat. | I | i _N | 1 | 47 | 30 | | | |
| | | | | L | 2 | 29 | | 21.6 | | |
| | | | | L | 2 | 11 | | 19.0 | | |
| | | | | F | 2 | 51 | | | | |

MARCH

| No. | Date 1928. | Sta- tion | Char- acter. | Phase. | Time (Greenwich). | Period | Amplitude (half) | | Distance of epi- centre. | Remarks. |
|-----|---------------|--------------|------------------|-----------------------------|----------------------|--------|---------------------|----------------|--------------------------------|------------------------------------------------------------------------------|
| | | | | | | | A _E | A _N | | |
| — | March 1 | Mal. | | P | h 21 22 32 | sec. | μ | μ | km. | Felt at Tjimiring (Banjemas). |
| | | | | F | 21 25 | | | | | |
| 33 | » 7 | Bat. | II _v | i _E _v | 14 47 21 | | | | 220 | Compression. Felt in Bantam (W. Java). |
| | | | | i _N _E | 14 47 22 | | | | | |
| | | | | i _v | 14 47 27 | | | | | |
| | | | | i _N _E | 14 47 29 | | | | | |
| | | | | iS | 14 47 46 | | | | | |
| | | | | F | 15 4 | | | | | |
| | | | | iP | 14 47 28 | | | 240 | | |
| | | | | i | 14 47 56 | | | | | |
| | | | | iS | 14 47 55 | | | | | |
| | | | | F | 14 52 | | | | | |
| 34 | » 7 | Bat. | I | i _v | 22 51 35 | | | | | Dilatation. |
| | | | | e _E | 22 51 39 | | | | | |
| | | | | i _E | 22 58 8 | | | | | |
| | | | | i | 22 58 11 | | | | | |
| | | | | M | 25 8 2 | | | | | |
| | | | | L | 25 8 39 | 17.5 | | | | |
| | | | | F | 25 27 | | | | | |
| 35 | » 9 | Bat. | I _r | P _v | 10 58 32 | | | | 2740 | Dilatation, azimuth NE. Tobelo, (Halmahera). |
| | | | | P | 10 58 35 | | | | | |
| | | | | i _v | 10 58 37 | | | | | |
| | | | | iS | 11 2 51 | | | | | |
| | | | | F | 11 15 | | | | | |
| | | | | i ₁ | 10 58 38 | | | | | |
| | | | | i ₂ | 11 3 18 | | | | | |
| | | | | F | 11 7 | | | | | |
| | | | | P | 10 55 15 | | | 850? | | |
| | | | | S? | 10 56 46 | | | | | |
| | | | | F | 11 13 | | | | | |
| 36 | » 9 | Bat. | i _v | iP _v | 15 59 23 | | | | 160 | Compression. Pasir Pangkalan (W. Priangan). |
| | | | | P _E | 15 59 24 | | | | | |
| | | | | iP _N | 15 59 26 | | | | | |
| | | | | iS | 15 59 41 | | | | | |
| | | | | F | 16 5 | | | | | |
| | | | | iP | 15 59 27 | | | | 130 | |
| | | | | iS | 15 59 42 | | | | | |
| | | | | F | 16 1 | | | | | |
| 37 | » 4 | Bat. | III _r | iP | 18 9 59 | | | | 2040 | Dilatation, azimuth N 77 W. iS: Bosch seismograph. Atjeh (N. Sumatra). |
| | | | | i _v | 18 9 45 | | | | | |
| | | | | i | 18 9 46 | | | | | |
| | | | | iS _N | 18 15 4 | | | | | |
| | | | | i _N | 18 15 16 | | | | | |
| | | | | F | 20 47 | | | | | |
| | | | | iP | 18 9 48 | | | | | |
| | | | | i | 18 9 50 | | | | | |
| | | | | i | 18 9 53 | | | | | |
| | | | | iS _N | 18 15 28 | | | | | |
| | | | | F | 18 40 | | | | | |
| | | | | P | 18 15 2 | | | | | |
| | | | | i | 18 15 15 | | | | | |
| | | | | i | 18 15 25 | | | | | |
| | | | | i _E | 18 15 15 | | | | | |
| | | | | i | 18 21 52 | | | | | |
| | | | | F | 20 2 | | | | | |

| No. | Date 1928. | Station. | Char- acter. | Phase. | Time (G. M. T.) | | | Period. | Amplitude (half) | Distance of epi- centre. | Remarks. | |
|-----|---------------|----------|-----------------|------------------|--------------------|----------------|------|---------|---------------------|--------------------------------|----------|-------------------------------|
| | | | | | A _E | A _N | sec. | | μ | | | |
| 58 | March 10 | Bat. | I _v | e _N | 2 | 59 | 26 | | | km | 460 | Central Java and E. Priangan. |
| | | | | iS | 3 | 0 | 18 | | | | | |
| | | | | F | 3 | 5 | | | | | | |
| | | | | iP | 2 | 59 | 12 | 26 | 22 | | 9190 | |
| | | | | iS | 2 | 59 | 54 | 26 | 22 | | | |
| | | | | F | 3 | 3 | | | | | | |
| 59 | March 10 | Bat. | I _v | i _v | 3 | 22 | 5 | 18 | 74 | | | Dilatation; azimuth ca E. |
| | | | | i _E | 3 | 22 | 6 | 74 | 74 | | | |
| | | | | i | 3 | 22 | 10 | 08 | 74 | | | |
| | | | | i _v | 3 | 22 | 41 | 08 | 74 | | | |
| | | | | i _E | 5 | 22 | 55 | 08 | 74 | | | |
| | | | | i | 3 | 25 | 45 | 82 | 74 | | | |
| | | | | i _v | 5 | 26 | 7 | 08 | 74 | | | |
| | | | | i _N | 5 | 26 | 11 | 08 | 74 | | | |
| | | | | F | 4 | 4 | | | | | | |
| 40 | » 10 | Bat. | I _v | iP | 5 | 57 | 58 | 22 | 18 | | | Compression; azimuth ESE. |
| | | | | i | 5 | 58 | 27 | 22 | 18 | | | Central and Eastern Java |
| | | | | F | 6 | 20 | | 8 | 86 | | | |
| 41 | » 10 | Bat. | I _v | e _E | 6 | 50,6 | | 2 | 8 | | | Troubled by street traffic. |
| | | | | F | 6 | 56 | | 2 | 8 | | | |
| | | | | iP | 6 | 50 | 12 | 72 | 58 | | 350 | |
| | | | | S | 6 | 50 | 50 | 26 | 58 | | | |
| | | | | F | 6 | 52 | | 26 | 58 | | | |
| — | » 10 | Mal. | iP | 21 | 1 | 24 | 75 | 88 | 01 | | 90 | |
| | | | | iS | 21 | 1 | 35 | 16 | 88 | | | |
| | | | | F | 21 | 5 | | 86 | 88 | | | |
| 42 | » 12 | Bat. | I | i _E | 17 | 4 | 56 | 81 | 6 | | | |
| | | | | F | 17 | 13 | | 81 | 6 | | | |
| 43 | » 13 | Bat. | I | e _E | 1 | 41 | 47 | 08 | 98 | | | |
| | | | | i | 1 | 42 | 22 | 01 | 11 | | | |
| | | | | i | 1 | 45 | 6 | 01 | 11 | | | |
| | | | | L _v | 1 | 49 | | 28 | 81 | | | |
| | | | | F | 2 | 2 | | 08 | 81 | | | |
| 44 | » 15 | Bat. | I _r | iP _{EV} | 18 | 40 | 2 | 19 | 28 | | 4990 | Dilatation; azimuth ca E. |
| | | | | i _v | 18 | 42 | 0 | 08 | 28 | | | |
| | | | | iS _N | 18 | 46 | 41 | 72 | 28 | | | |
| | | | | i _v | 18 | 46 | 48 | 24 | 28 | | | |
| | | | | i _v | 18 | 48 | 59 | 01 | 28 | | | |
| | | | | eL | 18 | 56 | | 01 | 28 | | | |
| | | | | F | 19 | 7 | | 08 | 28 | | | |
| | | | | iP | 18 | 40 | 10 | 08 | 28 | | 4920 | |
| | | | | iS | 18 | 46 | 44 | 08 | 28 | | | |
| | | | | F | 18 | 53 | | 01 | 28 | | | |
| | | | | iP | 18 | 57 | 9 | 01 | 28 | | 2750? | |
| | | | | S? | 18 | 41 | 26 | 01 | 28 | | | |
| | | | | L | 18 | 45 | | 31.7 | 28 | | | |
| | | | | F | 19 | | | 08 | 28 | | | |
| 45 | » 15 | Bat. | I _r | iP | 22 | 44 | 51 | 82 | 71 | | 2530 | |
| | | | | iS | 22 | 48 | 52 | 04 | 71 | | | |
| | | | | F | 22 | 56 | | 8 | 71 | | | |
| | | | | iP | 22 | 41 | 1 | 81 | 71 | | 520 | |
| | | | | iS | 22 | 41 | 57 | 82 | 71 | | | |
| | | | | F | 22 | 55 | | 81 | 71 | | | |

| No. | Date 1928 | Station. | Char- acter. | Phase. | Time (Greenwich). | | | Period. | Amplitude (half) | Distance of epi- centre. | (No.) | | |
|-----|--------------|----------|------------------|-----------------|----------------------|----------------|------|---------|---------------------|--------------------------------|-------|---------------------------|--|
| | | | | | A _E | A _N | sec. | | μ | | | | |
| 46 | March 14 | Bat. | I | i _v | 6 | 49 | 14 | | | km | | Dilatation; azimuth ca E. | |
| | | | | i | 6 | 49 | 15 | | | | | | |
| | | | | i _E | 6 | 53 | 16 | | | | | | |
| | | | | F | 6 | 53 | 52 | | | | | | |
| | | | | i _v | 6 | 57 | | | | | | | |
| 47 | » 14 | Bat. | I | i _E | 7 | 59 | 1 | | | | | Dilatation; azimuth ca E. | |
| | | | | i _v | 7 | 59 | 3 | | | | | | |
| | | | | i _E | 7 | 59 | 10 | | | | | | |
| | | | | i | 7 | 59 | 11 | | | | | | |
| | | | | i _v | 7 | 45 | 2 | | | | | | |
| | | | | i _N | 7 | 45 | 7 | | | | | | |
| | | | | i _N | 7 | 43 | 22 | | | | | | |
| | | | | F | 7 | 52 | | | | | | | |
| 48 | » 16 | Bat. | III _u | iP | 5 | 11 | 18 | | | | 7120 | Dilatation; azimuth ca E. | |
| | | | | i | 5 | 11 | 20 | | | | | | |
| | | | | i _N | 5 | 12 | 2 | | | | | | |
| | | | | iS _N | 5 | 19 | 50 | | | | | | |
| | | | | L _v | 5 | 26 | | | | | | | |
| | | | | L _v | 5 | 53 | 18 | | | | | | |
| | | | | M | 5 | 53 | 16 | | | | | | |
| | | | | M | 5 | 56 | 53 | | | | | | |
| | | | | M _v | 5 | 40 | 52 | | | | | | |
| | | | | M _v | 5 | 44 | 41 | | | | | | |
| | | | | M | 5 | 49,6 | | | | | | | |
| | | | | eL | 7 | 47,6 | | | | | | | |
| | | | | F | 8 | 2 | | | | | | | |
| | | | | Mal. | P | 5 | 10 | 26 | | | | 6960 | |
| | | | | iS | 5 | 19 | 49 | | | | | | |
| | | | | L | 5 | 26 | | | | | | | |
| | | | | M | 5 | 35 | | | | | | | |
| | | | | F | 5 | 45 | | | | | | | |
| 49 | » 18 | Bat. | I _u | i _v | 3 | 12 | 28 | | | | | | |
| | | | | i _E | 3 | 12 | 50 | | | | | | |
| | | | | | | | | | | | | | |

| No. | Date 1928. | Station. | Character. | Phase. | Time (G. M. T.) | | | Period. | Amplitude (half). | | Distance of epi- centre. | Remarks. | |
|-----|---------------|----------|-----------------|-----------------------------|--------------------|----------------|------|---------|----------------------|------|--------------------------------|------------------------------|--|
| | | | | | A _E | A _N | sec. | | μ | μ | | | |
| 53 | March 26 | Bat. | I | L _N | 5 | 0 | 28 | 20.7 | 22.6 | 26.4 | 250 | 111 | |
| | | | | L | 5 | 4 | | | 26.4 | | | | |
| | | | | L | 5 | 16 | 16 | | 18.5 | | | | |
| | | | | L | 5 | 41 | 28 | | 22.7 | | | | |
| | | | | L | 5 | 54 | 28 | | 52.9 | | | | |
| | | | | L | 5 | 56 | 28 | | 28.8 | | | | |
| | | | | M | 6 | 7 | 22 | | | | | | |
| | | | | F | 6 | 42 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 54 | » 26 | Bat. | I _r | i _v | 5 | 0 | 27 | 2140 | | | 500? | Probably Maoe Mere (Flores). | |
| | | | | i _E | 5 | 0 | 38 | | | | | | |
| | | | | F | 5 | 11 | | | | | | | |
| | | | | i _v | 5 | 50 | 26 | | | | | | |
| | | | | i _E | 5 | 50 | 29 | | | | | | |
| | | | | i _v | 5 | 50 | 34 | | | | | | |
| | | | | i _N _v | 5 | 51 | 26 | | | | | | |
| | | | | i _v | 5 | 51 | 34 | | | | | | |
| | | | | L _v | 5 | 50 | 4 | | 18.7 | | | | |
| | | | | S | 5 | 53 | 59 | | | | | | |
| 55 | » 26 | Mal. | I _r | L | 5 | 48 | 26 | 460 | 14.7 | | | | |
| | | | | F | 6 | 1 | | | | | | | |
| | | | | P | 5 | 50 | 55 | | | | | | |
| | | | | L | 5 | 59 | | | | | | | |
| | | | | F | 5 | 54 | | | | | | | |
| | | | | P | 5 | 28 | 50 | | | | | | |
| | | | | S? | 5 | 29 | 45 | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 56 | » 26 | Amb. | I _r | e _v | 6 | 47 | 4 | 520 | | | | | |
| | | | | i _N | 6 | 49 | 18 | | | | | | |
| | | | | i _N | 6 | 54 | 8 | | | | | | |
| | | | | F | 7 | 8 | | | | | | | |
| | | | | iP | 6 | 44 | 46 | | | | | | |
| | | | | S | 6 | 45 | 57 | | | | | | |
| | | | | F | 7 | 4 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 57 | » 26 | Bat. | I _r | i _E | 8 | 10 | 19 | 680 | | | | | |
| | | | | i _E | 8 | 12 | 0 | | | | | | |
| | | | | L _v | 8 | 20 | | | | | | | |
| | | | | F | 8 | 55 | | | | | | | |
| | | | | P | 8 | 7 | 42 | | | | | | |
| | | | | i | 8 | 8 | 5 | | | | | | |
| | | | | iS | 8 | 8 | 59 | | | | | | |
| | | | | F | 8 | 20 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 58 | » 26 | Amb. | I _r | i _v | 9 | 51 | 49 | 480 | | | | | |
| | | | | i _E | 9 | 51 | 51 | | | | | | |
| | | | | i _v | 9 | 40 | 54 | | | | | | |
| | | | | i _E | 9 | 54 | 45 | | | | | | |
| | | | | F | 10 | 8 | | | | | | | |
| | | | | P | 9 | 49 | 10 | | | | | | |
| | | | | S | 0 | 50 | 25 | | | | | | |
| | | | | F | in next. | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| — | » 26 | Amb. | I _r | P | 10 | 11 | 17 | 480 | | | | | |
| | | | | S | 10 | 12 | 0 | | | | | | |
| | | | | F | 10 | 17 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 58 | » 27 | Bat. | II _r | iP | 14 | 59 | 19 | 500? | | | | | |
| | | | | i _{vE} | 14 | 40 | 4 | | | | | | |
| | | | | i _E | 14 | 40 | 29 | | | | | | |
| | | | | i _N | 14 | 42 | 29 | | | | | | |
| | | | | F | 15 | 1 | | | | | | | |

SEISMOLOGICAL BULLETIN

BATAVIA, 1928.

| Month 1928. | E-W component. | | | N-S component. | | | V. component. | | |
|-----------------|----------------|------------------|-----|----------------|------------------|-----|---------------|------------------|-----|
| | V. | T _o . | ε. | V. | T _o . | ε. | V. | T _o . | ε. |
| April | 217 | 6.5 | 4.0 | 194 | 7.4 | 5.0 | 310 | 4.9 | 3.7 |
| May | " | 6.5 | 4.2 | " | 7.5 | 4.6 | " | " | 3.9 |
| June | " | 6.7 | 4.2 | " | 7.5 | 4.7 | " | " | 4.1 |

N. B. Amboina: no registrations April 1—12.

APRIL.

| No. | Date 1928. | Sta- tion. | Char- acter. | Phase. | Time (G. M. T.) | | | Period | Amplitude half. | | Distance of epi- centre. | Remarks. |
|-----|---------------|---------------|-----------------|-----------------------------|--------------------|----------------|------|--------|--------------------|---|--------------------------------|---------------|
| | | | | | A _E | A _N | | | | | | |
| 62 | April 3 | Bat. | I _v | e _P _E | 1 10 11 | | sec. | | μ | μ | km. | |
| | | | | i _v | 1 10 14 | | | | | | 260 | |
| | | | | iS | 1 10 40 | | | | | | | |
| | | | | iS _v | 1 10 41 | | | | | | | |
| | | | | F | 1 13 | | | | | | | |
| 63 | • 5 | Bat. | I _v | i _v | 22 56 11 | | | | | | 210 | |
| | | | | e _N _E | 22 56 11 | | | | | | | |
| | | | | i _v | 22 56 35 | | | | | | | |
| | | | | F | 23 1 | | | | | | | |
| | | | | e | 22 56 21 | | | | | | 270 | |
| | | | | i | 22 56 52 | | | | | | | |
| | | | | F | 22 38 | | | | | | | |
| 64 | • 7 | Bat. | I _v | i | 7 9 0 | | | | | | 310 | Central Java. |
| | | | | iS _v | 7 9 56 | | | | | | | |
| | | | | i | 7 10 18 | | | | | | | |
| | | | | F | 7 16 | | | | | | | |
| 65 | • 7 | Bat. | v | iP _E | 11 46 50 | | | | | | 340 | Central Java. |
| | | | | iS _N | 11 47 50 | | | | | | | |
| | | | | M _N | 11 47 46 | | | | | | | |
| | | | | F | 11 52 | | | | | | | |
| 66 | • 8 | Bat. | I _v | e _v | 7 9 57 | | | | | | 270 | |
| | | | | i _v | 7 10 3 | | | | | | | |
| | | | | e _E | 7 10 5 | | | | | | | |
| | | | | iS | 7 10 28 | | | | | | | |
| | | | | F | 7 14 | | | | | | | |
| 67 | • 9 | Bat. | I _u | e _N | 17 54 55 | | | | | | | |
| | | | | i _E | 17 55 58 | | | | | | | |
| | | | | i _E | 17 55 50 | | | | | | | |
| | | | | i _E | 18 6 46 | | | | | | | |
| | | | | L _N | 18 57 | | | | | | | |
| | | | | F | 19 57 | | | | | | | |

| No. | 1928. | tion. | acter. | Phase. | (G. M. T.) | | | Period. | Amplitude (half) | | Distance of epi- centre. | Remarks. |
|-----|----------|-------|-----------------|-------------------|------------|----------------|----------------|---------|---------------------|-------|--------------------------------|------------|
| | | | | | | A _E | A _N | | | | | |
| 68 | April 10 | Bat. | I _v | i _v | h | m | s | sec. | μ | μ | km. 240 | |
| | | | | iS _v | 17 | 28 | 59 | | | | | |
| | | | | iS | 17 | 29 | 5 | | | | | |
| | | | | i _v | 17 | 29 | 6 | | | | | |
| | | | | F | 17 | 29 | 57 | | | | | |
| | | | | | 17 | 52 | | | | | | |
| 69 | » 11 | Bat. | I | e | 9 | 52 | 42 | | | | | Tapanoeli? |
| | | | | i | 9 | 53 | 15 | | | | | |
| | | | | F | 10 | 8 | | | | | | |
| 70 | » 11 | Bat. | I _r | P | 21 | 30 | 52 | | | | | Menado |
| | | | | i | 21 | 53 | 26 | | | | | |
| | | | | F | 21 | 57 | | | | | | |
| 71 | » 12 | Bat. | I | i _e | 7 | 49 | 54 | | | | | |
| | | | | i | 7 | 52 | 44 | | | | | |
| | | | | F | 7 | 59 | | | | | | |
| 72 | » 12 | Bat. | I _v | P | 17 | 7 | 20 | | | | 610? | |
| | | | | i _e | 17 | 7 | 24 | | | | | |
| | | | | iS _e ? | 17 | 8 | 26 | | | | | |
| | | | | F | 17 | 10 | | | | | | |
| — | » 14 | Mal. | | iP | 14 | 46 | 4 | | | | 170 | |
| | | | | iS | 14 | 46 | 24 | | | | | |
| | | | | F | 14 | 49 | | | | | | |
| 73 | » 14 | Bat. | I | i | 21 | 44 | 14 | | | | | |
| | | | | i | 21 | 43 | 52 | | | | | |
| | | | | i | 21 | 47 | 28 | | | | | |
| | | | | F | 21 | 52 | | | | | | |
| 74 | » 14 | Bat. | II _u | P | 9 | 12 | 59 | | | | | |
| | | | | i _e | 9 | 23 | 22 | | | | | |
| | | | | i | 9 | 25 | 41 | | | | | |
| | | | | i | 9 | 24 | 5 | | | | | |
| | | | | eL | 9 | 52 | | | | | | |
| | | | | F | 10 | 7 | | | | | | |
| 75 | » 14 | Bat. | I | i _e | 14 | 46 | 40 | | | | | |
| | | | | i _n | 14 | 47 | 26 | | | | | |
| | | | | i | 14 | 48 | 50 | | | | | |
| | | | | F | 14 | 52 | | | | | | |
| 76 | » 16 | Bat. | I _v | iP _v | 0 | 14 | 43 | | | | 520 | |
| | | | | eP | 0 | 14 | 44 | | | | | |
| | | | | iS | 0 | 15 | 41 | | | | | |
| | | | | F | 0 | 20 | | | | | | |
| | | Mal. | | P | 0 | 14 | 42 | | | | 560 | |
| | | | | S | 0 | 15 | 45 | | | | | |
| | | | | F | 0 | 19 | | | | | | |
| 77 | » 17 | Bat. | I | i _v | 5 | 45 | 9 | | | | | |
| | | | | i | 5 | 45 | 22 | | | | | |
| | | | | F | 5 | 12 | | | | | | |
| 78 | » 18 | Bat. | II _u | e _v | 19 | 55 | 40 | | | | | |
| | | | | i _v | 19 | 55 | 45 | | | | | |
| | | | | iP | 19 | 55 | 47 | | | | | |
| | | | | i | 19 | 56 | 28 | | | | | |
| | | | | i | 19 | 46 | 21 | | | | | |
| | | | | i | 19 | 46 | 52 | | | | | |
| | | | | i | 19 | 47 | 24 | | | | | |

| No. | 1928. | Time. | Character. | Phase. | Date (Greenwich). | Period. | Amplitude (half). A _E A _N | Distance of epicentre. | Remarks. | |
|-----|--------|-------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------|
| | | | | | | | | | sec. | μ μ |
| — | May 11 | Amb. | | i ₁ i ₂ i ₃ eL F | h 1 8 26 1 16 25 1 16 53 1 35 1 43 | | | km. | | |
| — | » 11 | Amb. | | P S F | 13 7 41 15 8 5 15 10 | | | 190 | | |
| 85 | » 13 | Bat. | I _v | eP ₁ S ₁ P ₃ S ₂ S ₃ i F eP ₁ P ₂ S ₁ P ₃ S ₃ F | 2 29 59 2 50 46 2 50 50 2 50 59 2 51 44 2 52 40 2 41 2 29 40 2 29 59 2 50 6 2 50 27 2 50 54 2 59 | | 536 | Central Java; volcanic phenomena at Batoer (Dieng). MARON (Δ 78km) registered a fore-shock at 2 ^h 26 ^m 52 ^s . | | |
| 84 | » 14 | Bat. | II _u | i _v i _v i _E i _N i i _N eL L _E L _F P i L M F P i i L M F | 22 34 55 22 34 58 22 35 0 22 35 14 22 35 54 22 40 45 22 46 57 23 8 25 25 25 45 0 39 22 55 0 22 40 1 22 55 25 58 0 8 22 34 15 22 34 26 22 47 3 22 52,9 23 38 0 17 | | 56 21 | Dilatation. Dilatation. | | |
| 85 | » 14 | Mal. | | P i L M F P i i L M F | 22 55 0 22 40 1 22 55 25 58 0 8 22 34 15 22 34 26 22 47 3 22 52,9 23 38 0 17 | | | | | |
| 85 | » 14 | Amb. | | P i i L M F P i i L M F | 22 34 15 22 34 26 22 47 3 22 52,9 23 38 0 17 | | | | | |
| 85 | » 15 | Bat. | I | i _N i _E F | 2 57 4 3 6 6 3 15 | | | | | |
| — | » 15 | Amb. | | P S | 12 (4,1) 12 (4,5) | | 220 | No time marks. | | |
| 86 | » 17 | Bat. | I _r | iP i iS _N L _E F iP iS iE | 11 0 15 11 1 5 11 4 13 11 9 11 20 10 57,2 10 58,5 10 58,6 | | 2520 | Manado. | | |
| | | Amb. | | | 19,7 | | | No time marks | | |
| — | May 18 | Amb. | | iP i F | 10 10 20 10 10 25 10 13 | | | km. | | |
| 87 | » 19 | Bat. | I | e F | 3 35,7 3 50 | | | | | Disturbed by street traffic. |
| 88 | » 21 | Bat. | I _r | P _N iS _E F iP iS F | 7 43 29 7 43 46 7 47 7 43 17 7 43 28 7 45 | | | 150 | | Tjibatoe (C. Priangan, W. Java). |
| — | » 22 | Amb. | | iP iS | 5 9 45 5 9 54 | | | 90 | | No time marks. |
| 89 | » 23 | Bat. | I _r | e F P S F | 21 1 21 14 20 55,4 20 56 6 21 18 | | | (360) | | Not felt. Pens thrown off. |
| 90 | » 27 | Bat. | II _u | i _v i _v i i iS L _E F P i L F | 10 0 6 10 0 9 10 0 10 10 0 42 10 7 57 10 17 10 53 9 57 50 10 4 17 10 7 40 10 15 10 57 | | 24,4 22,4 | 6320 | | Boela (Ceram, moluccas). |
| 91 | » 27 | Bat. | I | e i F | 19 49 19 50 42 19 56 | | | | | In minute mark. |
| — | » 29 | Amb. | | iP | 23 7 26 | | | | | |
| — | » 31 | Amb. | | P S F | 10 41 9 10 41 36 10 46 | | | 240 | | Pens thrown off. Felt at Amboina. In minute eclipse. |
| — | » 31 | Amb. | | P _{NS} P _{EW} iS F | 13 8 2 13 8 4 13 8 18 13 11 | | | 140 | | |
| 92 | » 31 | Bat. | I | e e _E F | 15 56 14 6 14 10 | | | | | |
| 93 | » 31 | Bat. | I | i _E i F i i F | 20 58 45 20 58 47 21 12 20 55 9 20 55 28 20 56 54 21 4 | | | | | |

| No. | Date 1928. | Loca- tion. | Mag- nitude. | Phase. | Time (G.M.T.). | Period. | Amplitude (half). | | Distance of epi- centre. | Remarks. | | |
|-------|---------------|----------------|-----------------|------------------|-------------------|---------|----------------------|----------------|--------------------------------|----------|--------------|--|
| | | | | | | | A _E | A _N | | | | |
| 94 | May 31 | Bat. | II | i _v | h 23 | m 52 | s 3 | sec. | μ | μ | | |
| | | | | i _v | 23 | 52 | 3 | | 01 | 01 | | |
| | | | | i _v | 23 | 55 | 14 | | 01 | 01 | | |
| | June 1 | | | i _E | 23 | 44 | 25 | | 02 | 02 | | |
| JUNE. | | | | | | | | | | | | |
| 95 | June 1 | Bat. | I _v | P | 5 | 45 | 50 | | VI | 160 | Compression. | |
| | | | | i _N S | 5 | 45 | 47 | | VII | | | |
| | | | | i _v | 5 | 46 | 26 | | VIII | | | |
| 96 | » 1 | Bat. | I | e _E W | 8 | 4 | 54 | | IX | | | |
| | | | | i _w | 8 | 6 | 11 | | X | | | |
| | | | | i _w | 8 | 9 | 16 | | XI | | | |
| | | | | i _w | 8 | 9 | 24 | | XII | | | |
| | » 1 | | Amb. | F | 8 | 18 | | | IX | | | |
| | | | | i _v | 8 | 1 | 44 | | X | | | |
| | | | | i _v | 8 | 4 | 7 | | XI | | | |
| | | | | F | 8 | 17 | | | XII | | | |
| 97 | » 1 | Bat. | I _u | i _v | 15 | 22 | 1 | | IX | | | |
| | | | | i _v | 15 | 22 | 3 | | X | | | |
| | | | | i _v | 15 | 29 | 51 | | XI | | | |
| | | | | L | 15 | 48 | 12 | | XII | | | |
| | | | | F | 14 | 9 | | | IX | | | |
| | | | | Amb. | i _v | 13 | 20 | 18 | | X | | |
| | » 1 | | Amb. | i _v | 13 | 27 | 2 | | XI | | | |
| | | | | L | 15 | 30 | | | XII | | | |
| | | | | F | 13 | 31 | | | IX | | | |
| | | | | | | | | | X | | | |
| — | » 1 | Amb. | i P | i P | 16 | 4 | 51 | | | (30) | | |
| | | | | i S | 16 | 4 | 54 | | | | | |
| | | | | F | 16 | 7 | | | | | | |
| | | | Mal. | i _v | 0 | 56 | 10 | | | | | |
| | | | | P _w | 0 | 56 | 11 | | | | | |
| | | | | i P | 0 | 56 | 12 | | | | | |
| | | | | i _v | 0 | 57 | 10 | | | | | |
| | | | | F | 0 | 51 | | | | | | |
| | | | | P | 0 | 56 | 18 | | | | | |
| | | | | S | 0 | 56 | 49 | | | | | |
| 98 | » 2 | Bat. | I | F | 0 | 41 | | | | 270 | | |
| | | | | i _v | 0 | 56 | 10 | | | | | |
| | | | | P _w | 0 | 56 | 11 | | | | | |
| | | | | i P | 0 | 56 | 12 | | | | | |
| | | | | i _v | 0 | 57 | 10 | | | | | |
| | | | | F | 0 | 51 | | | | | | |
| | | | | P | 0 | 56 | 18 | | | | | |
| | | | | S | 0 | 56 | 49 | | | | | |
| | | | | F | 0 | 41 | | | | | | |
| | | | | | | | | | | | | |
| 99 | » 3 | Bat. | I | i _v | 8 | 59 | 6 | | | 16 | | |
| | | | | i _v | 8 | 59 | 8 | | | | | |
| | | | | i _s | 8 | 41 | 24 | | | | | |
| | | | | i _v | 8 | 45 | 27 | | | | | |
| | | | | i _v | 8 | 46 | 16 | | | | | |
| | | | | e L | 8 | 57 | | 18 | | | | |
| | | | | M | 9 | 2 | | 14.2 | | | | |
| | | | | F | 9 | 22 | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 100 | » 6 | Bat. | I _a | i P _v | 20 | 47 | 55 | | | 180 | | |
| | | | | P | 20 | 47 | 36 | | | | | |
| | | | | i P | 20 | 47 | 37 | | | | | |
| | | | | i S | 20 | 47 | 48 | | | | | |
| | | | | i | 20 | 48 | 20 | | | | | |
| | | | | F | 20 | 57 | | | | | | |

| No. | Date 1928. | Sta- tion. | Char- acter. | Phase. | Time (G. M. T.) | Period. | Amplitude (half.). | | Distance of epi- centre. | Remarks. |
|-----|---------------|---------------|------------------|------------------|--------------------|----------|-----------------------|----------------|--------------------------------|-------------------------------------------------------------------------------------------|
| | | | | | | | A _E | A _N | | |
| 101 | June 7 | Mal. | I | iP | h 20 47 26 | sec. | μ | μ | km. 150 | Azimuth NNW-SSE. |
| | | | | iS | 20 47 35 | | | | | |
| | | | | NS off | 20 47 40 | | | | | |
| | | | | F _{E W} | 20 51 | | | | | |
| | | | | i | 6 40 5 | | | | | |
| | » 8 | Mal. | I | F | 6 47 | | | | | E. Priangan. |
| | | | | P | 6 15 24 | | | | | |
| | | | | S | 6 15 41 | | | | | |
| | | | | F | 6 17 | | | | | |
| | | | | i _v | 4 27 52 | | | | | |
| 102 | » 10 | Bat. | I | eP | 4 27 54 | | | | | E. Priangan. |
| | | | | i | 4 28 6 | | | | | |
| | | | | i | 4 29 15 | | | | | |
| | | | | F | 4 52 | | | | | |
| | | | | P | 4 27 53 | | | | | |
| | » 10 | Mal. | I | S | 4 27 44 | | | | | 90 |
| | | | | F | 4 51 | | | | | |
| | | | | i | 22 45 34 | | | | | |
| | | | | i _v | 22 47 6 | | | | | |
| | | | | F | 22 58 | | | | | |
| 103 | » 14 | Mal. | I | P | 22 59 40 | | | | | 90 |
| | | | | iS | 22 59 50 | | | | | |
| | | | | F | 23 1 | | | | | |
| | | | | iP _v | 6 17 49 | | | | | |
| | | | | iP | 6 17 50 | | | | | |
| | » 15 | Bat. | III _r | i | 6 18 42 | | | | | 5100 |
| | | | | iS | 6 22 10 | | | | | |
| | | | | L _v | 6 25,7 | 25.0 | | | | |
| | | | | M _v | 6 29,0 | 14.1 | | | | |
| | | | | F | 7 13 | | | | | |
| 104 | » 15 | Mal. | I | iP | 6 17 56 | | | | | Azimuth NE; Compres- sion. MARON: iS—iP=4 ^m 16 ^s △ = 2710. |
| | | | | iS | 6 21 24 | | | | | |
| | | | | Amb. | iP | 6 16 52 | | | | |
| | | | | i | 6 16 56 | | | | | |
| | | | | iL | 6 22,5 | 27 | | | | |
| | » 15 | Bat. | II _r | F | 7 32 | | | | | Azimuth ESE-WNW. |
| | | | | i _v | 17 21 28 | | | | | |
| | | | | iP _E | 17 21 33 | | | | | |
| | | | | i | 17 21 56 | | | | | |
| | | | | i _v | 17 21 40 | | | | | |
| 105 | » 15 | Amb. | I | S | 17 26 14 | | | | | Azimuth NE; Dilatation. |
| | | | | i _v | 17 26 21 | | | | | |
| | | | | L _v | 17 51 | 24.5 | | | | |
| | | | | F | 18 4 | | | | | |
| | | | | Amb. | i | 17 20 42 | | | | |
| | » 15 | Amb. | I | i | 17 20 55 | | | | | 590 |
| | | | | i | 17 20 58 | | | | | |
| | | | | eL | 17 26 | 24 | | | | |
| | | | | F | 18 2 | | | | | |
| | | | | iP | 18 40 54 | | | | | |
| | | | | iS | 18 41 58 | | | | | |
| | | | | F | 17 47 | | | | | |

| No. | Date 1928. | Sta- tions. | Char- acter. | Phase. | (Greenwich). | Period. | Amplitude (half). | | Distance of epi- centre. | Remarks. |
|-----|---------------|----------------|-----------------|-----------------|--------------|---------|----------------------|----------------|--------------------------------|--------------------------------|
| | | | | | | | A _E | A _N | | |
| — | June 15 | Amb. | | i | h 20 | m 48 | s 15 | sec. | μ μ | km. 360 |
| | | | | i S | 20 | 48 | 56 | | | |
| | | | | F | 20 | 51 | | | | |
| 106 | " 16 | Bat. | I | i _v | 4 | 47,8 | | | | Disturbed by street traffic. |
| | | | | i | 4 | 48 | 19 | | | |
| | | | | F | 4 | 53 | | | | |
| — | " 16 | Amb. | | i P | 13 | 37 | 9 | | | 240? |
| | | | | S? | 13 | 37 | 58 | | | |
| | | | | F | 14 | 1 | | | | |
| 107 | " 16 | Bat. | I | i _{EW} | 18 | 54 | 14 | | | Compression. |
| | | | | i _v | 18 | 54 | 17 | | | |
| | | | | i | 18 | 54 | 18 | | | |
| 108 | " 17 | Bat. | II _u | S? | 18 | 54 | 46 | | | Azimuth ESE, Compre- ssion. |
| | | | | i | 18 | 54 | 59 | | | |
| | | | | F | 18 | 47 | | | | |
| — | | Amb. | | i P | 18 | 51 | 18 | | | 1520 |
| | | | | i S | 18 | 55 | 55 | | | |
| | | | | i | 18 | 54 | 1 | | | |
| — | | Mal. | | F | 18 | 46 | | | | Azimuth ESE, Compre- ssion. |
| | | | | i _v | 5 | 39 | 25 | | | |
| | | | | i _v | 5 | 39 | 28 | | | |
| 109 | " 17 | Bat. | I | i _v | 5 | 39 | 34 | | | Azimuth ESE; Compre- ssion. |
| | | | | i _E | 5 | 39 | 35 | | | |
| | | | | i _v | 5 | 39 | 35 | | | |
| — | | Mal. | | i _v | 5 | 49 | 45 | | | Azimuth ESE; Compre- ssion. |
| | | | | L _{EW} | 4 | 15 | | 31.0 | | |
| | | | | e L | 4 | 20 | | | | |
| — | | Amb. | | L _{NS} | 4 | 24 | | 57.6 | | Azimuth ESE; Compre- ssion. |
| | | | | M ₁ | 4 | 57,2 | | 24.5 | | |
| | | | | M ₂ | 4 | 42,7 | | 22.3 | | |
| — | | Mal. | | M _N | 4 | 46,5 | | 21.4 | | Azimuth ESE; Compre- ssion. |
| | | | | L _v | 5 | 43,7 | | | | |
| | | | | F | 6 | | | | | |
| — | | Mal. | | i P | 5 | 39 | 58 | | | Azimuth ESE; Compre- ssion. |
| | | | | i | 5 | 39 | 55 | | | |
| | | | | i | 5 | 39 | 4 | | | |
| — | | Amb. | | i | 5 | 42 | 29 | | | Azimuth ESE; Compre- ssion. |
| | | | | L | 4 | 15 | | 47 | | |
| | | | | M | 4 | 27 | | 20 | | |
| — | | Mal. | | F | 5 | 47 | | | | Azimuth ESE; Compre- ssion. |
| | | | | i _v | 6 | 52 | 25 | | | |
| | | | | i | 6 | 52 | 26 | | | |
| — | | Mal. | | i _v | 6 | 52 | 29 | | | Azimuth ESE; Compre- ssion. |
| | | | | i | 6 | 52 | 50 | | | |
| | | | | i | 7 | 1 | 2 | | | |
| — | | Mal. | | F | 7 | 7 | | | | Azimuth ESE; Compre- ssion. |
| | | | | i P | 6 | 52 | 20 | | | |
| | | | | i | 6 | 52 | 25 | | | |
| — | | Mal. | | i | 7 | 0 | 50 | | | Azimuth ESE; Compre- ssion. |
| | | | | i | 7 | 1 | 21 | | | |
| | | | | F | 8 | | | | | |
| — | " 17 | Amb. | | P | 20 | 38 | 46 | | | Azimuth ESE; Compre- ssion. |
| | | | | S | 20 | 39 | 0 | | | |
| | | | | F | 20 | 40 | | | | |
| — | " 18 | Amb. | | P | 15 | 0 | 47 | | | Azimuth ESE; Compre- ssion. |
| | | | | i | 15 | 0 | 52 | | | |
| | | | | S | 15 | 1 | 44 | | | |
| — | | | | F | 15 | 13 | | | | Azimuth ESE; Compre- ssion. |

| No. | Date 1928. | Sta- tions. | Char- acter. | Phase. | Time (Greenwich). | | | Period. | Amplitude (half) | | Distance of epi- centre. | Remarks. | |
|-----|---------------|----------------|-----------------|-----------------|----------------------|----------------|----|---------|---------------------|------|--------------------------------|-------------|--------------------------------------|
| | | | | | A _E | A _N | h | m | s | sec. | | | |
| 110 | June 18 | Bat. | I | i _v | 22 | 1 | 57 | | | | | km. 2750 | Tobelo (Halmahera, N. Moluccas).? |
| | | | | i _w | 22 | 1 | 59 | | | | | | |
| | | | | S | 22 | 6 | 14 | | | | | | |
| | | | | F | 22 | 18 | | | | | | | |
| | | | | P | 21 | 39 | 7 | | | | | | |
| | | | | i | 22 | 0 | 8 | | | | | | |
| | | | | i | 22 | 0 | 50 | | | | | | |
| | | | | L | 22 | 1 | 42 | | | | | | |
| | | | | F | 22 | 9 | | | | | | | |
| 111 | " 19 | Bat. | I | i _{EW} | 4 | 15 | | | | | | | |

| No. | 1928. | Station. | acter. | Phase. | Time (Greenwich). | | | Period. | Amplitude (half) | | Distance of epi- centre. | Remarks. |
|-----|---------|----------|----------------|--------|----------------------|----|------|---------|---------------------|----------------|--------------------------------|----------|
| | | | | | h | m | s | | A _E | A _N | | |
| 117 | June 29 | Bat. | H _u | Amb. | i | 19 | 41 | 15 | sec. | μ | μ | km. |
| | | | | | i | 19 | 41 | 47 | | | | |
| | | | | | i | 19 | 41 | 52 | | | | |
| | | | | | F | 19 | 55 | | | | | |
| | | | | | | | | | | | | |
| | | | | | i | 25 | 0 | 15 | | | | |
| | | | | | iP | 25 | 0 | 17 | | | | |
| | | | | | i _N | 25 | 0 | 30 | | | | |
| | | | | | i _N | 25 | 2 | 2 | | | | |
| | | | | | iS | 25 | 8 | 52 | | | | |
| 118 | July 1 | Mal. | H _u | Amb. | L | 25 | 18 | | 45.7 | | | km. |
| | | | | | L | 25 | 56 | | | | | |
| | | | | | i | 25 | 59 | 29 | | | | |
| | | | | | F | 0 | 17 | | | | | |
| | | | | | i | 25 | 0 | 11 | | | | |
| | | | | | i | 25 | 8 | 28 | | | | |
| | | | | | F | 25 | 17 | | | | | |
| | | | | | i | 22 | 57 | 24 | | | | |
| | | | | | i | 22 | 59 | 56 | | | | |
| | | | | | i | 25 | 0 | 43 | | | | |
| 119 | July 2 | Mal. | H _u | Amb. | iS _{EW} | 25 | 7 | 17 | 19 | | (8780) | km. |
| | | | | | iS _{NS} | 25 | 7 | 21 | | | | |
| | | | | | L | 25 | 15,7 | | | | | |
| | | | | | i | 25 | 57 | 16 | | | | |
| | | | | | F | 0 | 17 | | | | | |
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| 120 | July 3 | Mal. | H _u | Amb. | | | | | | | km. | |
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| 121 | July 4 | Mal. | H _u | Amb. | | | | | | | km. | |
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| 122 | July 5 | Mal. | H _u | Amb. | | | | | | | km. | |
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| 123 | July 6 | Mal. | H _u | Amb. | | | | | | | km. | |
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| 124 | July 7 | Mal. | H _u | Amb. | | | | | | | km. | |
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| | | | | | | | | | | | | |
| 125 | July 8 | Mal. | H _u | Amb. | | | | | | | km. | |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| 126 | July 9 | Mal. | H _u | Amb. | | | | | | | km. | |
| | | | | | | | | | | | | |
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SEISMOLOGICAL BULLETIN

BATAVIA OBSERVATORY.

| 1928. | E-W component. | | | N-S component. | | | V component. | | | | | |
|---------------------|----------------|------------------|------|----------------|------------------|------|--------------|------------------|------|------|------|------|
| | V. | T _o . | ε. | V. | T _o . | ε. | V. | T _o . | ε. | | | |
| July | 217 | 7.5 | 3.4 | 194 | 7.5 | 4.0 | 310 | 4.9 | 3.8 | | | |
| August | " | 7.4 | 3.4 | " | 7.7 | 3.9 | " | 4.8 | 3.6 | | | |
| September | " | 7.3 | 3.2 | " | 7.6 | 3.7 | " | 4.8 | 3.2 | | | |
| With lifted pin | | | | | | | | | | | | |
| e _o | | | | | | | | | | | | |
| | EW. | NS. | V. | EW. | NS. | V. | EW. | NS. | V. | | | |
| July | 1.11 | 1.13 | — | -0.02 | -0.01 | — | 1.10 | 1.15 | 1.17 | 0.81 | 0.54 | 0.65 |
| August | " | " | — | " | " | — | 1.12 | 1.12 | 1.17 | 0.54 | 0.48 | 0.92 |
| September | 1.12 | 1.12 | 1.13 | -0.02 | -0.02 | 0.02 | 1.10 | 1.14 | 1.18 | 0.54 | 0.43 | 0.68 |
| With writing pin | | | | | | | | | | | | |
| r | | | | | | | | | | | | |
| | EW. | NS. | V. | EW. | NS. | V. | EW. | NS. | V. | | | |

JULY.

| No. | Date 1928. | Sta- tion. | Char- acter. | Phase. | Time (G. C. T.) | Period | Amplitude half. | | Distance of epi- centre. | Remarks. | | | | |
|-----|---------------|---------------|-----------------|------------------|--------------------|--------|--------------------|----------------|--------------------------------|----------|------------|------------------------------------|--|--|
| | | | | | | | A _E | A _N | | | | | | |
| 118 | July 1 | Bat. | I _v | IP | h 0 | m 54 | s 5 | sec. | μ | μ | km. 150 | Dilatation. W. Priangan (Java). | | |
| | | | | i _v | 0 | 54 | 4 | | | | | | | |
| | | | | iS _v | 0 | 54 | 18 | | | | | | | |
| | | | | iS | 0 | 54 | 19 | | | | | | | |
| | | | | i _w | 0 | 54 | 50 | | | | | | | |
| | Mal. | | | i _s | 0 | 54 | 55 | | | | | | | |
| | | | | F | 0 | 59 | | | | | | | | |
| | | | | IP | 0 | 53 | 56 | | | | | | | |
| | | | | i _{ns} | 0 | 54 | 3 | | | | | | | |
| | | | | iS | 0 | 54 | 9 | | | | | | | |
| — | " 1 | Amb. | | F | 0 | 56 | | | | | 110 | | | |
| | | | | P | 10 | 11 | 58 | | | | | | | |
| | | | | S | 10 | 11 | 41 | | | | | | | |
| | | | | F | 10 | 19 | | | | | | | | |
| | | | | P | 12 | 26 | 14 | | | | | | | |
| 119 | " 2 | Bat. | I _v | S | 12 | 27 | 3 | | | | 380 | | | |
| | | | | F | 12 | 29 | | | | | | | | |
| | | | | P | 12 | 37 | 38 | | | | | | | |
| | | | | i | 7 | 37 | 40 | | | | | | | |
| | | | | i _v | 7 | 38 | 13 | | | | | | | |
| | Mal. | | | i _n | 7 | 38 | 21 | | | | | | | |
| | | | | i | 7 | 38 | 57 | | | | | | | |
| | | | | F | 7 | 49 | | | | | | | | |
| | | | | P _{EW} | 7 | 57 | 14 | | | | | | | |
| | | | | i | 7 | 57 | 24 | | | | | | | |
| | | | | iS _{ns} | 7 | 57 | 48 | | | | 300 | | | |
| | | | | F | 7 | 44 | | | | | | | | |

| No. | Date 1928. | Sta- tions. | Char- acter. | Phase. | Time (G. C. T.). | Period. | Amplitude (half). | | Distance of epi- centre. | Remarks. |
|-----|---------------|----------------|------------------|------------------|---------------------|---------|----------------------|----------------|--------------------------------|-------------------------------------------|
| | | | | | | | A _E | A _N | | |
| 7 | July 28. | Amb. | | P | 17 52 47 | sec. | μ | μ | km. | |
| | | | | iS | 17 52 54 | | | | 60 | |
| | | | | F | 17 57 | | | | | |
| 8 | July 28. | Amb. | | iP | 1 27 15 | | | | 80 | |
| | | | | iS | 1 27 24 | | | | | E W pen off. |
| | | | | F | 1 50 | | | | | |
| 8 | July 28. | Bat. | I _v | i _v | 13 17 5 | | | | | Dilatation. |
| | | | | i | 13 17 6 | | | | | |
| | | | | F | 13 20 | | | | | |
| | | Mal. | e _{EW} | e _{EW} | 13 17 9 | | | | 500 | |
| | | | iS | iS | 13 17 45 | | | | | |
| | | | F | F | 13 18 | | | | | |
| 9 | July 28. | Bat. | II _u | i _v | 21 52 49 | | | | 5950 | E; Compression. |
| | | | i _v | i _v | 21 52 50 | | | | | |
| | | | iP _E | iP _E | 21 52 51 | | | | | |
| | | | iS _{NS} | iS _{NS} | 21 40 22 | 27.6 | | | | |
| | | | L _{EW} | L _{EW} | 21 55 | | | | | |
| | | | F | F | 22 25 | | | | | |
| | | Amb. | iP | iP | 21 29 20 | | | | | SSW-NNE. |
| | | | i | i | 21 30 24 | | | | | |
| | | | L | L | 21 40 | 29.5 | | | | |
| | | | L | L | 21 43 | 19.2 | | | | |
| | | | F | F | 22 17 | | | | | |
| 12 | July 28. | Amb. | P | P | 18 2 49 | | | | | |
| | | | S | S | 18 2 (56) | | | | | |
| | | | F | F | 18 6 | | | | | |
| | | | | | | (620) | | | | In minute eclipse. |
| 13 | July 28. | Bat. | I _v | iP _v | 18 18 12 | | | | 160 | Dilatation. |
| | | | P | P | 18 18 15 | | | | | W. Priangan. |
| | | | iS | iS | 18 18 50 | | | | | |
| | | | F | F | 18 22 | | | | | |
| | | Mal. | i | i | 18 18 28 | | | | | |
| | | | F | F | 18 19 | | | | | |
| 13 | July 28. | Bat. | I | i | 23 21 5 | | | | | |
| | | | F | F | 23 25 | | | | | |
| 17 | July 28. | Bat. | I _v | i _v | 20 31 42 | | | | | Tandjong Sakti (Benkoelen, S Sumatra). |
| | | | i | i | 20 52 50 | | | | | |
| | | | F | F | 20 58 | | | | | |
| 18 | July 28. | Bat. | I _u | i _v | 19 25 12 | | | | | W NW; Compression. |
| | | | i _v | i _v | 19 25 18 | | | | | |
| | | | i _E | i _E | 19 25 20 | | | | | |
| | | | i | i | 19 25 24 | | | | | |
| | | | iS | iS | 19 25 58 | | | | | |
| | | | i _w | i _w | 19 26 56 | | | | | |
| | | | i | i | 19 36 17 | | | | | |
| | | | L _{EW} | L _{EW} | 19 59 | 53.6 | | | | |
| | | | L | L | 20 27 | 24.5 | | | | |
| | | | M | M | 20 40 | 16 | 14.1 | 45 | 28 | |
| | | | M | M | 20 47 | 16.5 | | | | |
| | | | F | F | 21 16 | | | | | |
| 20 | July 28. | Bat. | I | i _v | 6 2 55 | | | | 740? | W; Compression. |
| | | | P _w | P _w | 6 2 54 | | | | | |
| | | | i _v | i _v | 6 2 58 | | | | | |
| | | | i _w | i _w | 6 2 59 | | | | | |
| | | | i | i | 6 5 22 | | | | | |

| No. | Date 1928. | Sta- tions. | Char- acter. | Phase. | Time (G. C. T.). | Period. | Amplitude (half). | | Distance of epi- centre. | Remarks. |
|-----|---------------|----------------|--------------------|------------------|---------------------|---------|----------------------|----------------|--------------------------------|--------------------------------------------|
| | | | | | | | A _E | A _N | | |
| 127 | July 21 | Bat. | II _r | i _v | 1 43 12 | | μ | μ | km. | |
| | | | iS _{NS} ? | iS _{NS} | 1 43 15 | | | | | |
| | | | F | F | 1 45 46 | | | | | |
| | | | i _v | i _v | 1 46 41 | | | | | |
| | | | i | i | 1 46 58 | | | | | |
| | | | F | F | 1 47 43 | | | | | |
| | | | 2 | 4 | | | | | | |
| — | — 24 | Mal. | P | 6 35 56 | | | | | 1480 | E. Dilatation. S. Celebes. |
| | | | S | 6 36 16 | | | | | | |
| | | | F | 6 37 | | | | | | |
| — | — 24 | Amb. | P | 9 14 27 | | | | | 170 | |
| | | | iS | 9 14 55 | | | | | | |
| | | | F | 9 16 | | | | | | |
| — | — 24 | Mal. | P | 22 27 9 | | | | | 80 | |
| | | | iS | 22 27 19 | | | | | | |
| | | | F | 22 28 | | | | | | |
| — | — 25 | Mal. | P | 8 22 58 | | | | | | |
| | | | i | 8 23 7 | | | | | | |
| | | | F | 8 24 | | | | | | |
| 128 | — 25 | Bat. | II _v | iP _v | 8 27 56 | | | | 160? | W NW; Compression. Probably two shocks. |
| | | | iP | 8 27 59 | | | | | | |
| | | | i _v | 8 27 41 | | | | | | |
| | | | i | 8 27 42 | | | | | | |
| | | | i _v | 8 27 54 | | | | | | |
| | | | i _v ? | 8 27 56 | | | | | | |
| | | | i _v | 8 27 58 | | | | | | |
| | | | F | 8 28 53 | | | | | | |
| | | | P | 8 42 | | | | | | |
| | | | i | 8 27 55 | | | | | | |
| | | | i | 8 28 2 | | | | | | |
| | | | F | 8 30 | | | | | | |
| 129 | — 26 | Bat. | I | iP | 12 18 25 | | | | | Soemba (?). |
| | | | i | 12 20 51 | | | | | | |
| | | | i | 12 21 58 | | | | | | |
| | | | L | 12 53 | | | | | | |
| | | | F | 12 41 | | | | | | |
| | | | eP | 12 18 5 | | | | | | |
| | | | i | 12 20 0 | | | | | | |
| | | | F | 12 22 | | | | | | |
| 130 | — 27 | Bat. | I _r | e _v | 15 26,8 | | | | 2440 | W NW-ESE. Atjeh (N. Sumatra). |
| | | | i _v | 15 27 46 | | | | | | |
| | | | P | 15 28 7 | | | | | | |
| | | | i | 15 30 6 | | | | | | |
| | | | S _v | 15 | | | | | | |

| No. | Date 1928. | Station. | Character. | Phase. | Time (G. C. T.) | | | Period. | Amplitude (half.). | | Distance of epi- centre. | Remarks. | | |
|-----|---------------|----------|-----------------|-----------------|--------------------|----------------|----|---------|-----------------------|-------|--------------------------------|-------------------|--|--|
| | | | | | A _E | A _N | | | | | | | | |
| 140 | Aug. 12 | Amb. | I | iP | 8 | 11 | 54 | sec. | μ | μ | km. 490? | J.M. | | |
| | | | | S? | 8 | 12 | 28 | | | | | | | |
| | | | | F | 8 | 38 | | | | | | | | |
| | » 12 | | | P _E | 15 | 22 | 56 | | | | | | | |
| | | | | i | 15 | 24 | 11 | | | | | | | |
| | | | | F | 15 | 28 | | | | | | | | |
| | » 13 | | | iP | 14 | 10 | 11 | | | | | | | |
| | | | | F | 14 | 15 | | | | | | | | |
| | | | | P | 14 | 10 | 16 | | | | | | | |
| 141 | — | Mal. | I | P | 5 | 2 | 57 | sec. | μ | μ | 1890 | J.M. | | |
| | | | | iS | 5 | 5 | 47 | | | | | | | |
| | | | | F | 5 | 6 | | | | | | | | |
| | | | | iP _V | 17 | 55 | 25 | | | | | | | |
| | | | | P | 17 | 55 | 24 | | | | | | | |
| | | | | F | 17 | 40 | | | | | | | | |
| | | | | P _V | 23 | 51 | 7 | | | | | | | |
| | | | | P _{EW} | 23 | 51 | 9 | | | | | | | |
| | | | | i | 23 | 51 | 55 | | | | | | | |
| | | | | i | 23 | 52 | 12 | | | | | | | |
| 142 | » 15 | Bat. | I | F | 23 | 59 | | sec. | μ | μ | Central Java. MARON. | J.M. | | |
| | | | | iP _V | 17 | 55 | 25 | | | | | | | |
| | | | | P | 17 | 55 | 24 | | | | | | | |
| | | | | F | 17 | 40 | | | | | | | | |
| | | | | P _V | 23 | 51 | 7 | | | | | | | |
| | | | | P _{EW} | 23 | 51 | 9 | | | | | | | |
| | | | | i | 23 | 51 | 55 | | | | | | | |
| | | | | i | 23 | 52 | 12 | | | | | | | |
| | | | | F | 23 | 59 | | | | | | | | |
| | | | | P | 22 | 52 | 5 | sec. | μ | μ | 200 | Dilatation. | | |
| 143 | » 16 | Bat. | I _v | iP _V | 22 | 52 | 4 | | | | | | | |
| | | | | S | 22 | 52 | 26 | | | | | | | |
| | | | | F | 22 | 56 | | | | | | | | |
| | | | | Mal. | iP | 22 | 52 | 10 | | | | | | |
| | | | | iS | 22 | 52 | 22 | | | | | | | |
| | | | | F | 22 | 54 | | | | | | | | |
| | | | | P _V | 23 | 51 | 7 | | | | | | | |
| | | | | P _{EW} | 23 | 51 | 9 | | | | | | | |
| | | | | i | 23 | 51 | 55 | | | | | | | |
| | | | | i | 23 | 52 | 12 | | | | | | | |
| 144 | » 19 | Bat. | I _v | F | 23 | 59 | | | | | | | | |
| | | | | P | 22 | 52 | 5 | | | | | | | |
| | | | | iP _V | 22 | 52 | 4 | | | | | | | |
| | | | | S | 22 | 52 | 26 | | | | | | | |
| | | | | F | 22 | 56 | | | | | | | | |
| | | | | Mal. | iP | 22 | 52 | 10 | | | | | | |
| | | | | iS | 22 | 52 | 22 | | | | | | | |
| | | | | F | 22 | 54 | | | | | | | | |
| | | | | P _V | 23 | 51 | 7 | | | | | | | |
| | | | | P _{EW} | 23 | 51 | 9 | | | | | | | |
| 145 | » 20 | Bat. | I _v | i | 22 | 19 | 4 | sec. | μ | μ | 220 | Dilatation; ESE. | | |
| | | | | iS _V | 22 | 19 | 28 | | | | | | | |
| | | | | iS | 22 | 19 | 29 | | | | | | | |
| | | | | F | 22 | 25 | | | | | | | | |
| | | | | Mal. | P | 22 | 19 | 12 | | | | | | |
| | | | | i | 22 | 19 | 15 | | | | | | | |
| | | | | F | 22 | 25 | | | | | | | | |
| | | | | P _V | 23 | 51 | 7 | | | | | | | |
| | | | | P _{EW} | 23 | 51 | 9 | | | | | | | |
| | | | | i | 23 | 51 | 55 | | | | | | | |
| 146 | » 24 | Bat. | I _v | e | 17 | 56 | 20 | sec. | μ | μ | E. Priangan. | J.M. | | |
| | | | | i | 17 | 56 | 48 | | | | | | | |
| | | | | F | 17 | 40 | | | | | | | | |
| | | | | Mal. | iP | 17 | 56 | 8 | | | | | | |
| | | | | iS | 17 | 56 | 22 | | | | | | | |
| | | | | F | 17 | 58 | | | | | | | | |
| | | | | P _V | 23 | 51 | 7 | | | | | | | |
| | | | | P _{EW} | 23 | 51 | 9 | | | | | | | |
| | | | | i | 23 | 51 | 55 | | | | | | | |
| | | | | i | 23 | 52 | 12 | | | | | | | |
| 147 | » 24 | Bat. | II _u | P _E | 21 | 53 | 7 | sec. | μ | μ | 6370 | Compression, WNW. | | |
| | | | | iP _V | 21 | 53 | 8 | | | | | | | |
| | | | | iP | 21 | 53 | 9 | | | | | | | |
| | | | | iS | 22 | 1 | 1 | | | | | | | |
| | | | | i _v | 22 | 1 | 20 | | | | | | | |
| | | | | F | 22 | 26 | | | | | | | | |
| | | | | Mal. | iP | 21 | 53 | 19 | | | | | | |
| | | | | i | 21 | 57 | 6 | | | | | | | |
| | | | | iS | 22 | 1 | 12 | | | | | | | |
| | | | | i | 22 | 1 | 17 | | | | | | | |
| | | | | F | 22 | 10 | | | | | | | | |

| No. | Date 1928. | Station. | Character. | Phase. | Time (G. C. T.). | | Period. | Amplitude (half). | | Distance of epi- centre | Remarks. | | |
|-----|---------------|----------|----------------|-----------------|---------------------|----------------|---------|----------------------|----------------|-------------------------------|----------|-----------------------------------------------------------------|--|
| | | | | | A _E | A _N | | A _E | A _N | | | | |
| 148 | Aug. 26 | Bat. | I _v | P _{ns} | h 5 | m 12 | s 44 | sec. | μ | μ | km. 180 | Disturbed by street traffic. Tjimiring (Banjoemas, C. Java). | |
| | | | | S | 5 | 15 | 5 | | | | | | |
| | | | | F | 5 | 16 | | | | | | | |
| | | | | P | 5 | 12 | 54 | | | | | | |
| | | | | iS | 5 | 15 | 6 | | | | | | |
| | | Mal. | | F | 5 | 15 | | | | | | | |
| | | | | e | 21 | 50,0 | | | | | | | |
| | | | | F | 21 | 54 | | | | | | | |
| | | | | iP | 21 | 50 | 56 | | | | | | |
| | | | | iS | 21 | 50 | 47 | | | | | | |
| | | Amb. | | F | 21 | 54 | | | | | | | |
| | | | | iP | 3 | 11 | 47 | | | | | | |
| | | | | iS | 3 | 15 | 41 | | | | | | |
| | | | | F | 3 | 21 | | | | | | | |
| | | | | | | | | | | | | 2440 | |

SEPTEMBER.

| No. | Date 1928. | Station. | Character. | Phase. | Time (G. C. T.). | | Period. | Amplitude (half). | | Distance of epi- centre | Remarks. | | |
|-----|---------------|----------|-----------------|-----------------|---------------------|----------------|---------|----------------------|----------------|-------------------------------|----------|---------------------------------------------------------------------------------|--|
| | | | | | A _E | A _N | | A _E | A _N | | | | |
| 149 | Sept. 26 | Bat. | I _v | e | 21 | 50,0 | | | | | | Disturbed by street traffic. Tjimiring (Banjoemas, C. Java). | |
| | | | | F | 21 | 54 | | | | | | | |
| | | | | iP | 21 | 50 | 56 | | | | | | |
| | | | | iS | 21 | 50 | 47 | | | | | | |
| | | | | F | 21 | 54 | | | | | | | |
| | | Mal. | | iP | 3 | 11 | 47 | | | | | | |
| | | | | iS | 3 | 15 | 41 | | | | | | |
| | | | | F | 3 | 21 | | | | | | | |
| | | | | | | | | | | | | 2440 | |
| | | | | | | | | | | | | | |
| 150 | Sept. 1 | Bat. | I | e | 6 | 20 | 29 | | | | | Central Java. MARON $\Delta = 140$ km. | |
| | | | | L | 6 | 40 | 49 | | | | | | |
| | | | | F | 6 | 58 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | Mal. | | P | 14 | 28 | 58 | | | | | | |
| | | | | S? | 14 | 28 | 51 | | | | | | |
| | | | | F | 14 | 50 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 151 | Sept. 5 | Bat. | II _v | P _v | 1 | 6 | 37 | | | | | Compression; azimuth N.E. | |
| | | | | iP _v | 1 | 6 | 40 | | | | | | |
| | | | | iP | 1 | 6 | 41 | | | | | | |
| | | | | iS | 1 | 7 | 14 | | | | | | |
| | | | | F | 1 | 22 | | | | | | | |
| | | Mal. | | iP | 1 | 6 | 21 | | | | | | |
| | | | | iS | 1 | 6 | 42 | | | | | | |
| | | | | F | 1 | 17 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 152 | Sept. 5 | Bat. | II _v | P _v | 18 | 44 | 35 | | | | | Menado, Sangi I, Halma-heira. | |
| | | | | P | 18 | 44 | 34 | | | | | | |
| | | | | iP | 18 | 44 | 56 | | | | | | |
| | | | | i | 18 | 44 | 40 | | | | | | |
| | | | | iS _s | 18 | 44 | 54 | | | | | | |
| | | Mal. | | iS _e | 18 | 44 | 56 | | | | | | |
| | | | | i _w | 18 | 44 | 59 | | | | | | |
| | | | | F | 19 | 0 | | | | | | | |
| | | | | iP | 18 | 44 | 53 | | | | | | |
| | | | | S | 18 | 45 | 41 | | | | | | |
| | | | | F | 18 | 50 | | | | | | | |
| 153 | Sept. 7 | Bat. | I _r | i _e | 2 | 56 | 55 | | | | | Bandjaran (Central Priangan, W. Java). E. Priangan and Banjoe-mas (W. Java). | |
| | | | | i | 2 | 57 | 59 | | | | | | |
| | | | | L | 5 | 12,5 | | | | | | | |
| | | | | F | 5 | 18 | | | | | | | |
| | | | | P | 2 | 56 | 45 | | | | | | |
| | | Mal. | | i _e | 2 | 56 | 51 | | | | | | |
| | | | | iS | 3 | 2 | 48 | | | | | | |
| | | | | F | 5 | 10 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 154 | Sept. 10 | Bat. | I _v | e | 25 | 54 | 4 | sec. | μ | μ | km. 750 | Dilatation; azimuth E. | |
| | | | | iP | 25 | 54 | 5 | | | </ | | | |

| No. | Date 1928. | Sta- tion. | Char- acter. | Phase. | Time (G. C. T.). | | | Period. | Amplitude (half). | | Distance of epi- centre. | Remarks. |
|-----|---------------|---------------|-----------------|-----------------|---------------------|----------------|----|---------|----------------------|----------------|--------------------------------|------------------------------------|
| | | | | | A _E | A _N | | | A _E | A _N | | |
| — | Sept. 21 | Amb. | | iP | 7 | 29 | 4 | sec. | μ | μ | km. 110 | Felt at Amboina. Azimuth SW-NE. |
| | | | | iS | 7 | 29 | 17 | | | | | |
| | | | | F | 7 | 43 | | | | | | |
| — | " 21 | Amb. | | iP | 7 | 56 | 14 | sec. | μ | μ | km. 110 | Felt |
| | | | | S | 7 | 56 | 27 | | | | | |
| | | | | F | 7 | 58 | | | | | | |
| 163 | " 22 | Bat. | I _u | i | 7 | 41 | 28 | sec. | μ | μ | km. 110 | Dilatation, azimuth ESE. |
| | | | | i _v | 7 | 41 | 29 | | | | | |
| | | | | L | 7 | 59 | | | | | | |
| | | | | L | 8 | 28 | | sec. | μ | μ | km. 110 | Felt |
| | | | | F | 8 | 57 | | | | | | |
| | | | | P | 7 | 41 | 23 | | | | | |
| | | | | S? | 7 | 49 | 23 | sec. | μ | μ | km. 110 | Felt |
| | | | | F | 7 | 54 | | | | | | |
| | | | | iP | 7 | 40 | 49 | | | | | |
| | | | | iS? | 7 | 46 | 55 | sec. | μ | μ | km. 110 | Felt |
| | | | | L | 7 | 59,7 | | | | | | |
| | | | | F | 8 | 46 | | | | | | |
| 164 | " 22 | Bat. | II _v | iP | 11 | 55 | 3 | sec. | μ | μ | km. 110 | Compression. |
| | | | | i | 11 | 55 | 25 | | | | | |
| | | | | i | 11 | 55 | 54 | | | | | |
| | | | | F | 12 | 12 | | sec. | μ | μ | km. 110 | Felt |
| | | | | iP | 11 | 55 | 22 | | | | | |
| | | | | i | 11 | 55 | 27 | | | | | |
| | | | | S? | 11 | 56 | 10 | sec. | μ | μ | km. 110 | Felt |
| | | | | F | 12 | 1 | | | | | | |
| 165 | " 24 | Bat. | I _u | i | 9 | 16 | 14 | sec. | μ | μ | km. 110 | Dilatation. |
| | | | | i _w | 9 | 17 | 0 | | | | | |
| | | | | i | 9 | 19 | 55 | | | | | |
| | | | | F | 9 | 52 | | sec. | μ | μ | km. 110 | Felt |
| | | | | iP | 9 | 15 | 55 | | | | | |
| | | | | S? | 9 | 16 | 57 | | | | | |
| | | | | F | 9 | 30 | | sec. | μ | μ | km. 110 | Felt |
| 166 | " 27 | Bat. | I _r | i _v | 1 | 5 | 16 | | μ | μ | km. 110 | Felt |
| | | | | i _v | 1 | 8 | 4 | | μ | μ | | |
| | | | | iP _v | 1 | 9 | 25 | | μ | μ | | |
| | | | | F | 1 | 16 | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | sec. | μ | μ | km. 110 | Felt |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

SEISMOLOGICAL BULLETIN

BATAVIA OBSERVATORY.

| 1928. | E-W component. | | | N-S component. | | | V component. | | |
|--------------------|----------------|------------------|-----|----------------|------------------|-----|--------------|------------------|-----|
| | V. | T _o . | ε. | V. | T _o . | ε. | V. | T _o . | ε. |
| October | 214 | 7.3 | 4.2 | 196 | 7.6 | 5.0 | 305 | 4.7 | 3.4 |
| November | " | 7.4 | 4.4 | " | 7.6 | 4.4 | " | 4.7 | 3.3 |
| December | " | 7.0 | 4.4 | " | 7.6 | 4.3 | " | 4.6 | 3.3 |

| | With lifted pin | | | | | | With writing pin | | | | | |
|--------------------|-----------------|------|------|------|------|------|------------------|------|------|------|------|------|
| | e _o | | | r | | | e _o | | | r | | |
| | EW. | NS. | V. | EW. | NS. | V. | EW. | NS. | V. | EW. | NS. | V. |
| October | 1.12 | 1.12 | 1.13 | 0.02 | 0.02 | 0.02 | 1.09 | 1.11 | 1.16 | 0.57 | 0.42 | 0.61 |
| November | " | " | " | " | " | " | 1.10 | 1.12 | 1.14 | 0.44 | 0.48 | 0.64 |
| December | " | " | " | " | " | " | 1.07 | 1.13 | 1.14 | 0.41 | 0.52 | 0.60 |

OCTOBER.

| No. | Date 1928. | Sta- tion. | Char- acter. | Phase. | Time (G. C. T.) | | | Period | Amplitude half. | | Distance of epi- centre. | Remarks. |
|-----|---------------|---------------|-----------------|------------------|--------------------|------|----|--------|--------------------|----------------|--------------------------------|-----------------------------------------|
| | | | | | h | m | s | | A _E | A _N | | |
| 167 | Oct. 2 | Bat. | I _v | iP | 22 | 53 | 38 | sec. | μ | μ | km. 320 | Priangan and Banjoemas. |
| | | | | i _{s w} | 22 | 53 | 38 | | | | | |
| | | | | iS _E | 22 | 54 | 14 | | | | | |
| | | | | i _n | 22 | 55 | 13 | | | | | |
| | | | | F | 23 | 4 | | | | | | |
| | | Mal. | | iP | 22 | 55.5 | | | | | (100) | NS pen off 22 55.6. No minute marks. |
| | | | | iS | 22 | 55.5 | | | | | | |
| | | | | F | 22 | 58 | | | | | | |
| | | | | iP | 23 | 40 | 58 | | | | | |
| | | | | iS | 23 | 41 | 43 | | | | | |
| — | • 2 | Amb. | | F | 23 | 44 | | | | | 400 | |
| | | | | P | 9 | 48 | 19 | | | | | |
| | | | | iS | 9 | 48 | 25 | | | | | |
| — | • 3 | Amb. | | F | 9 | 49 | | | | | (40) | |
| | | | | iP | 23 | 15 | 58 | | | | | |
| | | | | iS | 23 | 16 | 15 | | | | | |
| — | • 3 | Amb. | | F | 23 | 21 | | | | | 150 | Azimuth NE — SW. |
| | | | | iP | 1 | 25 | 51 | | | | | |
| | | | | iS | 1 | 25 | 56 | | | | | |
| — | • 5 | Amb. | | F | 1 | 28 | | | | | (50) | |
| | | | | P | 21 | 37 | 4 | | | | | |
| | | | | S | 21 | 37 | 14 | | | | | |
| — | • 6 | Mal. | | F | 21 | 38 | | | | | 80 | |
| | | | | P | 21 | 37 | 4 | | | | | |
| | | | | S | 21 | 37 | 14 | | | | | |
| 168 | • 9 | Bat. | I _u | F | 21 | 38 | | | | | 80 | |
| | | | | i _v | 3 | 21 | 2 | | | | | |
| | | | | i _w | 3 | 21 | 8 | | | | | |
| 168 | • 9 | Bat. | I _u | i _v | 3 | 21 | 11 | | | | Compression. | |
| | | | | i _w | 3 | 21 | 11 | | | | | |

| No. | Date 1928. | Station. | Character. | Phase. | Time (G. C. T.). | | | Period. | Amplitude (half). | | Distance of epi- centre. | Remarks. |
|-----|---------------|----------|------------|------------------|---------------------|----------------|------|---------|-------------------------|---|--------------------------------|----------|
| | | | | | A _E | A _N | sec. | | μ | μ | | |
| 168 | Oct. 10 | Mal. | Amb. | i | 5 | 21 | 22 | 19.6 | km. | | | |
| | | | | i _v | 5 | 21 | 55 | | | | | |
| | | | | i _n | 5 | 22 | 8 | | | | | |
| | | | | L _v | 5 | 45 | | | 22.9 | | | |
| | | | | L | 5 | 51 | | | 27.2 | | | |
| | | | | L | 4 | 22 | | | 24.2 | | | |
| | | | | M | 4 | 28 | | | 22.6 | | | |
| | | | | M | 4 | 56 | | | 53.5 | | | |
| | | | | L | 4 | 56 | | | 19.6 | | | |
| | | | | F | 5 | 24 | | | | | | |
| 169 | Oct. 10 | Mal. | Amb. | i | 5 | 21 | 5 | 160 | Bantam and W. Priangan. | | | |
| | | | | L | 5 | 44 | | | | | | |
| | | | | L | 4 | 26 | | | | | | |
| | | | | F | 5 | 19 | | | | | | |
| | | | | i _n s | 5 | 20 | 55 | | | | | |
| | | | | i _e w | 5 | 20 | 44 | | | | | |
| | | | | i | 5 | 52 | 54 | | | | | |
| | | | | i | 5 | 55 | 46 | | | | | |
| | | | | eL | 5 | 45 | | | 24.0 | | | |
| | | | | L | 4 | 6 | 18 | | | | | |
| 170 | Oct. 12 | Mal. | Amb. | M | 4 | 15 | | 670 | | | | |
| | | | | F | 5 | 19 | | | | | | |
| | | | | iP | 16 | 28 | 42 | | | | | |
| | | | | iS | 16 | 29 | 1 | | | | | |
| | | | | F | 16 | 56 | | | | | | |
| | | | | P | 16 | 28 | 35 | | | | | |
| | | | | i | 16 | 31 | 50 | | | | | |
| | | | | F | 16 | 35 | | | | | | |
| | | | | i _w | 7 | 59 | 30 | | | | | |
| | | | | F | 7 | 46 | | | | | | |
| 171 | Oct. 13 | Mal. | Amb. | e | 15 | 20 | 39 | 3140 | | | | |
| | | | | i | 15 | 22 | 0 | | | | | |
| | | | | F | 15 | 50 | | | | | | |
| | | | | P | 15 | 18 | 25 | | | | | |
| | | | | iS | 15 | 19 | 37 | | | | | |
| | | | | F | 15 | 42 | | | | | | |
| | | | | e | 8 | 58 | 9 | | | | | |
| | | | | F | 9 | 9 | | | | | | |
| | | | | P | 8 | 55 | 57 | | | | | |
| | | | | S | 8 | 40 | 10 | | | | | |
| 172 | Oct. 15 | Mal. | Amb. | F | 8 | 55 | | 150? | | | | |
| | | | | i | 8 | 59 | 41 | | | | | |
| | | | | P? | 12 | 59 | 56 | | | | | |
| | | | | S? | 12 | 59 | 56 | | | | | |
| | | | | F | 13 | 2 | | | | | | |
| | | | | (0) | | | | | | | | |
| | | | | P | 12 | 59 | 41 | | | | | |
| | | | | S? | 12 | 59 | 56 | | | | | |
| | | | | F | 13 | 2 | | | | | | |
| | | | | i _w | 14 | 28 | 39 | | | | | |
| 173 | Oct. 15 | Mal. | Amb. | i _w | 14 | 55 | 2 | 25.6 | | | | |
| | | | | i _n | 14 | 55 | 28 | | | | | |
| | | | | L | 14 | 46 | 2 | | | | | |
| | | | | F | 15 | 18 | | | | | | |
| | | | | e | 14 | 28 | 39 | | | | | |
| | | | | i _w | 14 | 55 | 2 | | | | | |
| | | | | i _n | 14 | 55 | 28 | | | | | |
| | | | | L | 14 | 46 | 2 | | | | | |
| | | | | F | 15 | 18 | | | | | | |
| | | | | i _w | 14 | 28 | 39 | | | | | |
| 174 | Oct. 19 | Mal. | Amb. | i _w | 10 | 30 | 34 | 19.8 | | | | |
| | | | | i | 10 | 40 | 15 | | | | | |
| | | | | S | 7 | 27 | 28 | | | | | |
| | | | | F | 7 | 28 | | | | | | |
| | | | | P | 7 | 27 | 15 | | | | | |
| | | | | S | 7 | 27 | 28 | | | | | |
| | | | | F | 7 | 28 | | | | | | |
| | | | | P | 7 | 27 | 15 | | | | | |
| | | | | S | 7 | 27 | 28 | | | | | |
| | | | | F | 11 | 32 | | | | | | |
| 175 | Oct. 19 | Bat. | I | i _v | 10 | 30 | 34 | 110 | Dilatation. | | | |
| | | | | i | 10 | 40 | 15 | | | | | |
| | | | | L | 11 | 3 | | | | | | |
| | | | | F | 11 | 32 | | | | | | |
| | | | | P | 7 | 27 | 15 | | | | | |
| | | | | S | 7 | 27 | 28 | | | | | |
| | | | | | | | | | | | | |

| No. | Date 1928. | Station. | Character. | Phase. | Time (G. C. T.) | | | Period. | Amplitude (half) | | Distance of epi- centre. | Remarks. | |
|-----|---------------|----------|----------------|------------------|--------------------|----------------|------|---------|---------------------|---|--------------------------------|--------------------|-------------------------------------------------------------|
| | | | | | A _E | A _N | sec. | | μ | μ | | | |
| 183 | Nov. 9 | Bat. | I | i | h | m | s | sec. | μ | μ | km. | — | |
| | | | | eL | 4 | 13 | 18 | | | | | | |
| | | | | M | 4 | 29 | | | | | | | |
| | | | | F | 4 | 52 | | | | | | | |
| | | | | | 4 | 55 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 184 | 10 | Bat. | I | i _w | 11 | 11 | 42 | sec. | μ | μ | km. | — | (180) |
| | | | | i | 11 | 18 | 26 | | | | | | |
| | | | | F | 11 | 22 | | | | | | | |
| | | | | | | | | | | | | | |
| 185 | 10 | Bat. | I _v | iP | 21 | 58 | 24 | sec. | μ | μ | km. | — | III |
| | | | | iS | 21 | 38 | 52 | | | | | | |
| | | | | F | 21 | 45 | | | | | | | |
| | | | | | | | | | | | | | |
| 186 | 11 | Bat. | I | i _v | 22 | 50 | 14 | sec. | μ | μ | km. | Dilatation. | Tapanuli (N. Sumatra). |
| | | | | i | 22 | 50 | 18 | | | | | | |
| | | | | i _v | 22 | 50 | 24 | | | | | | |
| | | | | i | 22 | 57 | 46 | | | | | | |
| 187 | 15 | Bat. | I _r | i _v | 2 | 58 | 7 | sec. | μ | μ | km. | Compression. | Boelabaaai (Ceram, Moluccas). |
| | | | | i _E | 2 | 58 | 18 | | | | | | |
| | | | | i _N | 2 | 59 | 50 | | | | | | |
| | | | | S | 2 | 55 | 1 | | | | | | |
| 188 | 1 | Bat. | I | F | 2 | 55 | | sec. | μ | μ | km. | In minute eclipse. | Benkoelen (S. Sumatra). |
| | | | | P | 2 | 54,1 | | | | | | | |
| | | | | i | 2 | 37 | 26 | | | | | | |
| | | | | F | 3 | 1 | | | | | | | |
| 189 | 16 | Bat. | I | i _v | 7 | 42 | 57 | sec. | μ | μ | km. | — | Tjimiring (Banjoemas). |
| | | | | i _w | 7 | 45 | 15 | | | | | | |
| | | | | i _w | 7 | 47 | 56 | | | | | | |
| | | | | i _v | 7 | 48 | 1 | | | | | | |
| 190 | 19 | Bat. | I _v | i | 11 | 10 | 34 | sec. | μ | μ | km. | — | Azimuth E S E. Dilatation. Dilatation. S. Celebes? |
| | | | | i | 11 | 17 | 9 | | | | | | |
| | | | | F | 11 | 25 | | | | | | | |
| | | | | | | | | | | | | | |
| 191 | 19 | Bat. | I | iP | 7 | 50 | 17 | sec. | μ | μ | km. | — | W. Java. |
| | | | | i | 7 | 51 | 43 | | | | | | |
| | | | | F | 8 | 1 | | | | | | | |
| | | | | | | | | | | | | | |
| 192 | 20 | Bat. | I _v | P | 22 | 9 | 32 | sec. | μ | μ | km. | — | 940 |
| | | | | iS | 22 | 9 | 44 | | | | | | |
| | | | | F | 22 | 12 | | | | | | | |
| | | | | iP _{nv} | 6 | 18 | 49 | | | | | | |
| | | Mal. | | iS _E | 6 | 19 | 11 | sec. | μ | μ | km. | — | 940 |
| | | | | i | 6 | 20 | 12 | | | | | | |
| | | | | F | 6 | 51 | | | | | | | |
| | | | | iP | 6 | 18 | 35 | | | | | | |
| | | Mal. | | off | 6 | 18 | 46 | sec. | μ | μ | km. | — | 940 |

| No. | Date 1928. | Sta- tions. | Char- acter. | Phase. | Time (G. C | | |
| --- | --- | --- | --- | --- | --- | --- | --- |

| No. | Date 1928. | Station. | Char- acter. | Phase. | Time (Greenwich). | | Period. | Amplitude (half). A _E A _N | Distance of epi- centre. | Remarks. | |
|------------------|---------------|----------|------------------|-----------------|----------------------|------|---------|-------------------------------------------------------|--------------------------------|----------|------------------------------------|
| | | | | | h | m | s | sec. | μ | μ | |
| 199 | Nov. 20 | Bat. | I | e | 18 | 12,0 | | | | | km. |
| | | | | i | 18 | 21 | 54 | | | | |
| | | | | L | 18 | 42 | | 27.8 | | | |
| | | | | F | 19 | 5 | | | | | |
| | | | | | | | | | | | |
| 200 | Dec. 50 | Bat. | I | i | 8 | 43 | 27 | | | | |
| | | | | F | 8 | 53 | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| DECEMBER. | | | | | | | | | | | |
| 201 | Dec. 1 | Bat. | III _u | i _v | 4 | 25 | 57 | | | | Dilatation. |
| | | | | i | 4 | 25 | 40 | | | | Azimuth ENE? |
| | | | | i _N | 4 | 28 | 7 | | | | |
| | | | | i _v | 4 | 28 | 43 | | | | Dilatation. |
| | | | | i | 4 | 47 | 2 | | | | |
| | | | | eL | 5 | 5 | | 46 | | | |
| | | | | M | 5 | 6,0 | | 49 | 190 | 74.8 | |
| | | | | M | 5 | 12 | 44 | 53 | 57.4 | 44.3 | |
| | | | | M | 5 | 19 | 57 | 18 | 56.9 | 186.6 | |
| | | | | F | 6 | 46 | | | | | |
| 202 | Dec. 2 | Bat. | I | eP | 2 | 25 | 58 | | | | |
| | | | | i | 4 | 28 | 52 | | | | |
| | | | | L | 5 | 14 | | | | | |
| | | | | F | 6 | 26 | | | | | |
| | | | | | | | | | | | |
| 203 | Dec. 2 | Bat. | I | e | 10 | 34 | | | | | |
| | | | | i | 10 | 35 | 27 | | | | |
| | | | | F | 10 | 59 | | | | | |
| | | | | | | | | | | | |
| | | | | P | 11 | 59 | 26 | | | | |
| 204 | Dec. 7 | Bat. | I | S | 11 | 59 | 45 | | | | |
| | | | | F | 11 | 42 | | | | | |
| | | | | | | | | | | | |
| | | | | iP | 21 | 30 | 54 | | | | |
| | | | | iS | 21 | 51 | 52 | | | | |
| 205 | Dec. 7 | Bat. | II _r | F | 21 | 54 | | | | | |
| | | | | iP _w | 7 | 18 | 48 | | | | |
| | | | | iP _v | 7 | 18 | 49 | | | | |
| | | | | i | 7 | 20,0 | | | | | Compression. In minute eclipse. |
| | | | | F | 7 | 29 | | | | | |
| 206 | Dec. 8 | Bat. | I _v | iP _v | 9 | 19 | 45 | | | | |
| | | | | iP _w | 9 | 19 | 46 | | | | |
| | | | | S _N | 9 | 24 | 50 | | | | |
| | | | | i _N | 9 | 26 | 10 | | | | |
| | | | | L _v | 9 | 28 | 45 | 20.4 | | | |
| 207 | Dec. 9 | Bat. | I _u | L | 9 | 50 | | 29.8 | | | |
| | | | | F | 10 | 15 | | | | | |
| | | | | | | | | | | | |
| | | | | iP | 9 | 19 | 40 | | | | |
| | | | | iS | 9 | 24 | 8 | | | | |
| 208 | Dec. 9 | Bat. | I | L | 9 | 50 | | | | | |
| | | | | F | 9 | 41 | | | | | |
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| 209 | Dec. 9 | Bat. | I | | | | | | | | |
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| 210 | Dec. 10 | Bat. | I _r | | | | | | | | |
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| 211 | Dec. 10 | Bat. | I _v | | | | | | | | |
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| 212 | Dec. 11 | Bat. | II _v | | | | | | | | |
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| 213 | Dec. 14 | Bat. | I | | | | | | | | |
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| 214 | Dec. 14 | Bat. | I _v | | | | | | | | |
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| No. | Date 1928. | Sta- tion. | Char- acter. | Phase. | Time (G. C. T.) | | | Period. | Amplitude (half). | | Distance of epi- centre. | Remarks. | |
|-----|---------------|---------------|-----------------|-----------------|--------------------|------|-----|---------|----------------------|----------------|--------------------------------|----------|-------------------|
| | | | | | h | m | s | | sec. | A _E | A _N | | |
| 199 | Nov. 20 | Mal. | | iP | 11 | 42 | 14 | | | μ | μ | km. | |
| | | | | i | 11 | 46 | 57 | | | | | | |
| | | | | F | 12 | 20 | | | | | | | |
| — | Dec. 19 | Amb. | | iP | 11 | 59 | 48 | | | | | 2450 | Azimuth WNW-ESE. |
| | | | | S | 11 | 43 | 42 | | | | | | |
| | | | | i | 11 | 43 | 54 | | | | | | |
| | | | | iL | 11 | 50,5 | | 16 | | | | | |
| | | | | F | 12 | 6 | | | | | | | |
| 216 | » 19 | Bat. | I | iP _v | 15 | 25 | 54 | | | | | | Compression. |
| | | | | P | 15 | 25 | 56 | | | | | | |
| | | | | i | 15 | 30 | 20 | | | | | | |
| | | | | F | 15 | 38 | | | | | | | |
| — | » 20 | Amb. | | P | 5 | 58 | 27 | | | | | (80) | Dilatation. |
| | | | | S | 5 | 58 | 56 | | | | | | |
| | | | | F | 5 | 40 | | | | | | | |
| 217 | » 20 | Bat. | I _v | i | 5 | 29 | 22 | | | | | | |
| | | | | i | 5 | 29 | 56 | | | | | | |
| | | | | F | 5 | 46 | | | | | | | |
| | | Mal. | | e | 5 | 29 | 18 | | | | | 300? | |
| | | | | S? | 5 | 29 | 52 | | | | | | |
| | | | | F | 5 | 56 | | | | | | | |
| 218 | » 28 | Bat. | II _v | P _v | 12 | 19 | 49 | | | | | 220 | Dilatation. 01 |
| | | | | iP _E | 12 | 19 | 51 | | | | | | |
| | | | | i _E | 12 | 19 | 53 | | | | | | |
| | | | | i _v | 12 | 19 | 56 | | | | | | Dilatation. |
| | | | | iS | 12 | 20 | 14 | | | | | | |
| | | | | F | 12 | 57 | | | | | | | |
| | | Mal. | | P | 12 | 20 | 12 | | | | | 550 | |
| | | | | S | 12 | 20 | 52 | | | | | | |
| | | | | F | 12 | 26 | | | | | | | |
| | | Amb. | i | P | (12 | 17 | 27) | | | | | | No time eclipses. |
| | | | | i | (12 | 21 | 1) | | | | | | |
| | | | | iL | (12 | 22 | 4) | 22 | | | | | |
| | | | | F | (12 | 55) | | | | | | | |
| 219 | » 28 | Bat. | I _r | iP _v | 14 | 24 | 30 | | | | | 2670 | N E; Compression. |
| | | | | iP | 14 | 24 | 31 | | | | | | |
| | | | | iS | 14 | 28 | 41 | | | | | | |
| | | | | i | 14 | 28 | 50 | | | | | | |
| | | | | L _v | 15 | 52 | | 22.3 | | | | | |
| | | Mal. | | F | 15 | 40 | | | | | | | |
| | | | | P | 14 | 24 | 57 | | | | | 2640 | |
| | | | | i | 14 | 24 | 45 | | | | | | |
| | | | | iS | 14 | 28 | 46 | | | | | | |
| | | Amb. | | F | 14 | 55 | | | | | | | |
| | | | | iP | (14 | 25 | 43) | | | | | | |
| | | | | iS | (14 | 24 | 24) | | | | | 360 | No time eclipses. |
| | | | | F | (14 | 32) | | | | | | | |
| 220 | » 28 | Bat. | I | i | 17 | 46 | 53 | | | | | | |
| | | | | F | 17 | 54 | | | | | | | |
| 221 | » 28 | Bat. | II _r | e | 18 | 49,2 | | | | | | (2810) | |
| | | | | S | 18 | 55 | 43 | | | | | | |
| | | | | F | 19 | 4 | | | | | | | |