

Instituto Geográfico.

Estación Sismológica de Toledo

Registro de las observaciones correspondientes al mes de Agosto de 1924

Coordenadas geográficas de la Estación: $\varphi = 39^{\circ}-51'-38'',50$
 $\lambda = 4^{\circ}-01'-4'',01$ W.Gr.
 $Z = 419^m, 316$

Naturaleza del subsuelo: gneis granítico

SISMÓGRAFOS

| Nombre. | Masa. Kg. | Componente. | Amplificación. V | Período. T ₀ | Amort. ^o ε | Rozamiento. $\frac{r}{T^2_0}$ |
|-------------------------|--------------|-------------|---------------------|----------------------------|--------------------------|----------------------------------|
| Wiechert (reformado) | 1000 | NE-SW | 420 | 12 | 5,0 | 0,0035 |
| | | NW-SE | 420 | 12 | 5,0 | 0,0035 |
| Wiechert | 1300 | Z | 200 | 5 | 4,0 | 0,01 |

NOTA De no indicarse otra cosa, todos los datos proceden de las notas id. 1^a Amplitud +NE-SW ó NW-SE ó "Dilatación" -SW-NE ó SE-NW "Condensación"
 2^a Los valores en corresponden a las semi-amplitudes de las graficas.

| N.º | Fecha. | Fase. | HORA Tiempo medio Gr. | | | PERÍODO s | AMPLITUD en μ | | | | | Δ Kms. | OBSERVACIONES | |
|-----|--------|-------|--------------------------|----|----|--------------|-------------------|-----------------|----------------|----------------|----------------|------------------|---------------|------------------------------------|
| | | | H. | M. | S. | | A _{NE} | A _{NW} | A _Z | A _N | A _E | | | |
| 79 | 5 | eL | 1 | 38 | 19 | | | | | | | | | |
| | | F | 1 | 49 | | | | | | | | | | |
| 80 | 6 | eL | 1 | 47 | 32 | | | | | | | | | |
| | | MNW | 1 | 52 | 04 | 16 | | -1,5 | | | | | | |
| | | MNE | 1 | 57 | 48 | 16 | | -1,5 | | | | | | |
| | | F | 2 | 23 | | | | | | | | | | |
| 81 | 10 | IP | 6 | 32 | 6 | | | | | | | 11770 | | |
| | | eS | 6 | 44 | 18 | | | | | | | | | |
| | | eL | 6 | 58 | 12 | | | | | | | | | |
| | | MNE | 7 | 02 | 53 | 24 | | +8 | | | | | | |
| | | MNW | 7 | 03 | 05 | 22 | | -6 | | | | | | |
| | | MNW | 7 | 40 | 30 | 24 | | -8 | | | | | | |
| | | MNE | 7 | 40 | 31 | 26 | | -9 | | | | | | |
| | | MNW | 7 | 45 | 53 | 20 | | +9 | | | | | | |
| | | MNE | 7 | 46 | 38 | 24 | | -12 | | | | | | |
| | | MNW | 7 | 49 | 50 | 20 | | -12 | | | | | | |
| | | MNE | 7 | 50 | 12 | 24 | | -16 | | | | | | |
| | | C | 8 | 08 | | | | | | | | | | |
| | | F | | | | | | | | | | | | No se percibe por cambio de banda. |

12

| N.º | Fecha. | Fase. | HORA Tiempo medio Gr. | | | PERÍODO S | AMPLITUD | | | | | Δ Kms. | OBSERVACIONES |
|-----------------|--------|-----------------|--------------------------|----|-----|--------------|-----------------|-----------------|----------------|----------------|----------------|-----------|---------------------|
| | | | H. | M. | S. | | A _{NE} | A _{NW} | A _Z | A _N | A _E | | |
| 82 | 13 | e | 10 | 49 | 50 | | | | | | | | |
| | | F | 11 | 29 | | | | | | | | | |
| 83 | 13 | e | 13 | 50 | 38 | | | | | | | | |
| | | M _{NE} | 14 | 24 | 02 | 20 | -6 | | | | | | |
| | | M _{NW} | 14 | 24 | 02 | 20 | | -3 | | | | | |
| | | M _{NW} | 14 | 32 | 20 | 18 | | -4 | | | | | |
| | | M _{NE} | 14 | 33 | 18 | 18 | +4 | | | | | | |
| | | F | 14 | 59 | | | | | | | | | |
| 84 | 13 | e | 16 | 30 | 18 | | | | | | | | |
| | | M _{NE} | 16 | 43 | 38 | 18 | -1,5 | | | | | | |
| | | M _{NW} | 16 | 45 | 52 | 18 | | +2 | | | | | |
| 85 | 14 | eP | 18 | 16 | 15 | | | | | | | 10000 | Ep. Japon - Kuriles |
| | | eS | 18 | 27 | 13 | | | | | | | | |
| | | eL | 18 | 47 | 36 | | | | | | | | |
| | | M _{NW} | 18 | 54 | 47 | 30 | | +53 | | | | | |
| | | M _{NE} | 18 | 55 | 06 | 31 | -52 | | | | | | |
| | | M _{NW} | 18 | 57 | 57 | 24 | | +32 | | | | | |
| | | M _{NE} | 18 | 57 | 59 | 26 | +50 | | | | | | |
| | | M _{NW} | 18 | 59 | 35 | 22 | | -57 | | | | | |
| | | M _{NE} | 18 | 59 | 38 | 24 | -71 | | | | | | |
| | | M _{NE} | 19 | 03 | 27 | 21 | +84 | | | | | | |
| | | M _{NW} | 19 | 03 | 29 | 21 | | +51 | | | | | |
| | | M _{NW} | 19 | 04 | 27 | 18 | | -62 | | | | | |
| | | M _{NE} | 19 | 04 | 28 | 20 | -98 | | | | | | |
| | | MZ | 19 | 08 | 11 | 15 | | -40 | -40 | | | | |
| | | M _{NE} | 19 | 08 | 27 | 19 | -108 | | | | | | |
| | | M _{NW} | 19 | 08 | 30 | 18 | | -64 | | | | | |
| | | M _{NE} | 19 | 10 | 27 | 16 | -55 | | | | | | |
| | | M _{NW} | 19 | 10 | 30 | 16 | | -52 | | | | | |
| | | M _{NE} | 19 | 12 | 46 | 16 | -47 | | | | | | |
| | | M _{NW} | 19 | 12 | 51 | 15 | | +28 | | | | | |
| | | M _{NW} | 19 | 19 | 59 | 14 | | -13 | | | | | |
| | | M _{NE} | 19 | 20 | 11 | 16 | -21 | | | | | | |
| | | M _{NE} | 19 | 22 | 27 | 16 | -16 | | | | | | |
| M _{NW} | 19 | 22 | 35 | 15 | | +14 | | | | | | | |
| M _{NE} | 19 | 27 | 39 | 16 | +10 | | | | | | | | |
| J | 20 | 31 | | | | | | | | | | | |
| F | 21 | 31 | | | | | | | | | | | |

(3)

| N.º | Fecha. | Fase. | HORA Tiempo medio Gr. | | | PERÍODO s | AMPLITUD μ | | | | | Δ Kms. | OBSERVACIONES |
|-----|--------|-------|--------------------------|----|----|--------------|-----------------|-----------------|----------------|----------------|----------------|------------------|---|
| | | | H. | M. | S. | | A _{NE} | A _{NW} | A _Z | A _N | A _E | | |
| 86 | 14 | eP | 23 | 44 | 56 | | | | | | | | <i>S. dudosa.</i> <i>Región Aleutinas(?)</i> |
| | 15 | eL | 0 | 18 | 49 | | | | | | | | |
| | | MNW | 0 | 23 | 59 | 20 | | -9 | | | | | |
| | | MNEI | 0 | 24 | 11 | 19 | +7 | | | | | | |
| | | MNW | 0 | 29 | 38 | 20 | | -9 | | | | | |
| | | MNEI | 0 | 29 | 51 | 20 | +15 | | | | | | |
| | | MNEI | 0 | 32 | 36 | 16 | +7 | | | | | | |
| | | MNW | 0 | 32 | 47 | 16 | | -7 | | | | | |
| | | J | 0 | 48 | | | | | | | | | |
| | P | 1 | 26 | | | | | | | | | | |
| 87 | 17 | e | 2 | 27 | 43 | | | | | | | | |
| | | e | 2 | 34 | 22 | | | | | | | | |
| | | eL | 2 | 39 | 55 | | | | | | | | |
| | | MNW | 2 | 42 | 40 | 20 | | +6 | | | | | |
| | | MNEI | 2 | 42 | 42 | 17 | +3 | | | | | | |
| | | MNEI | 2 | 48 | 21 | 20 | +6 | | | | | | |
| | | MNW | 2 | 48 | 31 | 19 | | -5 | | | | | |
| | | MNW | 2 | 52 | 42 | 12 | | +2 | | | | | |
| | | MNEI | 2 | 52 | 43 | 13 | +2 | | | | | | |
| | | MNW | 3 | 09 | 06 | 23 | | +12 | | | | | |
| | | MNEI | 3 | 10 | 02 | 16 | +6 | | | | | | |
| | | MNEI | 3 | 17 | 07 | 14 | +8 | | | | | | |
| | | MNW | 3 | 17 | 20 | 14 | | -7 | | | | | |
| | | C | 3 | 27 | | | | | | | | | |
| P | 3 | 53 | | | | | | | | | | | |
| 88 | 17 | e | 21 | 47 | 57 | | | | | | | | |
| | | MNEI | 21 | 51 | 13 | 12 | -1 | | | | | | |
| | | MNW | 21 | 51 | 31 | 12 | | -1 | | | | | |
| | | P | 21 | 56 | | | | | | | | | |
| 89 | 21 | e | 19 | 34 | 41 | | | | | | | | |
| | | MNEI | 19 | 50 | 41 | 14 | +1 | | | | | | |
| | | MNW | 19 | 51 | 01 | 16 | | -1,5 | | | | | |
| | | MNEI | 19 | 55 | 02 | 16 | -1,5 | | | | | | |
| | | MNW | 19 | 56 | 32 | 16 | | -1,5 | | | | | |
| | | P | 20 | 27 | | | | | | | | | |
| 90 | 25 | eP | 2 | 34 | 54 | | | | | | | 9650 | <i>Océano Indico. E de</i> <i>Madagascar? según Tur-</i> <i>rich.</i> |
| | | IS | 2 | 45 | 36 | | | | | | | | |

64

| N.º | Fecha. | Fase. | HORA Tiempo medio Gr. | | | PERÍODO s | AMPLITUD | | | | | Δ Kms. | OBSERVACIONES |
|---------------------|---------------|-------------------|--------------------------|---------------|---------------|--------------|-----------------|-----------------|----------------|----------------|----------------|-----------|---------------|
| | | | H. | M. | S. | | A _{NE} | A _{NW} | A _Z | A _N | A _E | | |
| 90 | 25 | mNW | 2 | 52 | 18 | 16 | | -6 | | | | | |
| | | eL | 3 | 05 | 41 | | | | | | | | |
| | | MNEI | 3 | 11 | 18 | 16 | -30 | | | | | | |
| | | MNW | 3 | 11 | 27 | 16 | | +18 | | | | | |
| | | MNEI | 3 | 13 | 34 | 15 | +20 | | | | | | |
| | | MNW | 3 | 14 | 29 | 14 | | -17 | | | | | |
| | | MZ | 3 | 16 | 07 | 16 | | | -20 | | | | |
| | | MNEI | 3 | 16 | 25 | 17 | +26 | | | | | | |
| | | MNW | 3 | 16 | 34 | 18 | | -20 | | | | | |
| | | MNEI | 3 | 20 | 38 | 15 | -11 | | | | | | |
| | | MNW | 3 | 20 | 41 | 14 | | -12 | | | | | |
| | | MNW | 3 | 23 | 46 | 16 | | +13 | | | | | |
| | | MNEI | 3 | 23 | 46 | 16 | +10 | | | | | | |
| | | O | 3 | 56 | | | | | | | | | |
| F | 4 | 22 | | | | | | | | | | | |
| 91 | 25 | eP | 2 | 42 | 02 | | | | | | | | |
| | | is | 2 | 51 | 56 | | | | | | | | |
| 91 | 25 (?) | eP | 14 | 43 | 22 | | | | | | | | |
| 92 | 25 | (?) eP | 14 | 30 | 11 | | | | | | | | |
| | | eL | 15 | 18 | 11 | | | | | | | | |
| | | MNW | 15 | 23 | 37 | 28 | | +18 | | | | | |
| | | MNW | 15 | 29 | 36 | 16 | | +7 | | | | | |
| | | MNW | 15 | 35 | 39 | 14 | | +7 | | | | | |
| | | O | 16 | 00 | | | | | | | | | |
| | | F | 16 | 57 | | | | | | | | | |
| 92 93 | 25 | 1P | 23 | 19 | 36 | | | | | | 9230 | Japón (?) | |
| | | S | 23 | 29 | 58 | | | | | | | | |
| | | eL | 23 | 46 | 06 | | | | | | | | |
| | | MNEI | 23 | 53 | 39 | 24 | +4 | | | | | | |
| | | MNW | 23 | 53 | 47 | 26 | | -4 | | | | | |
| | 26 | MNW | 0 | 01 | 23 | 16 | | -1,5 | | | | | |
| | | MNEI | 0 | 04 | 43 | 20 | +3 | | | | | | |
| | | MNW | 0 | 06 | 43 | 18 | | -1,5 | | | | | |
| | | F | 0 | 46 | | | | | | | | | |
| 93 94 | 27 | 1P | 22 | 38 | 33 | | | | | | 2350 | | |
| | | (?) eS | 22 | 42 | 16 | | | | | | | | |
| | | eL | 22 | 43 | 09 | | | | | | | | |
| | | MNEI | 22 | 44 | 48 | 15 | +1,5 | -6 | | | | | |

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| N.º | Fecha. | Fase. | HORA Tiempo medio Gr. | | | PERIODO S. | AMPLITUD | | | | | Δ Kms. | OBSERVACIONES |
|----------|--------|-------|--------------------------|----|-----|---------------|-----------------|-----------------|----------------|----------------|----------------|-----------|---------------|
| | | | H. | M. | S. | | A _{NE} | A _{NW} | A _Z | A _N | A _E | | |
| 93 27 | | MNW | 22 | 44 | 48 | 16 | 3 | +3 | | | | | |
| | | MNEI | 22 | 45 | 46 | 12 | -2 | | | | | | |
| | | MNW | 22 | 45 | 53 | 14 | | +2 | | | | | |
| | | F | 23 | 26 | | | | | | | | | |
| 95 28 | | eP | 18 | 51 | 54 | | | | | | | 2340 | |
| | | es | 18 | 55 | 46 | | | | | | | | |
| | | eL | 18 | 56 | 46 | | | | | | | | |
| | | MNW | 18 | 59 | 02 | 12 | | +1 | | | | | |
| | | MNEI | 18 | 59 | 06 | 10 | | -1 | | | | | |
| | | F | 19 | 19 | | | | | | | | | |
| 96 29 | | e | 0 | 37 | 59 | | | | | | | | |
| | | MNEI | 0 | 53 | 49 | 16 | +4 | | | | | | |
| | | MNW | 0 | 54 | 21 | 14 | | +2 | | | | | |
| | | F | 1 | 18 | | | | | | | | | |
| 97 30 | | eP | 3 | 23 | 50 | | | | | | | 8880 | |
| | | MNEI | 3 | 30 | 50 | 11 | +1 | | | | | | |
| | | MNW | 3 | 50 | 58 | 12 | | -1 | | | | | |
| | | IS | 3 | 33 | 54 | | | | | | | | |
| | | MNEI | 3 | 40 | 42 | 18 | +8 | | | | | | |
| | | MNW | 3 | 40 | 50 | 28 | | -23 | | | | | |
| | | MNEI | 3 | 42 | 10 | 20 | -16 | | | | | | |
| | | MNW | 3 | 42 | 12 | 21 | | -8 | | | | | |
| | | MNEI | 3 | 44 | 10 | 20 | +11 | | | | | | |
| | | MNW | 3 | 44 | 28 | 20 | | +12 | | | | | |
| | | MNEI | 3 | 46 | 08 | 40 | -71 | | | | | | |
| | | MNW | 3 | 46 | 31 | 16 | | +5 | | | | | |
| | | eL | 3 | 50 | 56 | | | | | | | | |
| | | MNW | 3 | 58 | 17 | 46 | | -100 | | | | | |
| | | MNEI | 3 | 58 | 25 | 52 | -80 | | | | | | |
| | | MNW | 4 | 58 | 42 | 23 | | +99 | | | | | |
| | | MNEI | 4 | 03 | 42 | 24 | +68 | | | | | | |
| | | MNW | 4 | 13 | 11 | 20 | | -43 | | | | | |
| MNEI | 4 | 15 | 18 | 23 | +67 | | | | | | | | |
| Mz | 4 | 15 | 22 | 20 | | | | | -41 | | | | |
| MNW | 4 | 18 | 18 | 19 | | | | | -41 | | | | |
| MNEI | 4 | 18 | 19 | 20 | -55 | | | | | | | | |
| Mz | 4 | 22 | 48 | 14 | | | | | -16 | | | | |
| MNEI | 4 | 27 | 42 | 18 | +38 | | | | | | | | |

| N.º | Fecha. | Fase. | HORA Tiempo medio Gr. | | | PERÍODO s | AMPLITUD <i>u</i> | | | | | Δ Kms. | OBSERVACIONES |
|--|--------|-------|--------------------------|----|----|--------------|-------------------|-----------------|----------------|----------------|----------------|-----------|---------------|
| | | | H. | M. | S. | | A _{NE} | A _{NW} | A _Z | A _N | A _E | | |
| 78 | 30 | MNE | 4 | 36 | 28 | 18 | +13 | | | | | | |
| | | MNW | 4 | 37 | 35 | 18 | -13 | | | | | | |
| | | O | 4 | 58 | | | | | | | | | |
| | | P | 3 | 11 | | | | | | | | | |
| MOVIMIENTO MICROSEISMICO | | | | | | | | | | | | | |
| Dias: 1 al 14 < 1 ^m ; 14 al 17 = 1 ^m ; 18 < 1 ^m ; 19 = 1 ^m y 20 al 30 < 1 ^m . | | | | | | | | | | | | | |