

AÑO GEOFISICO INTERNACIONAL  
OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL  
LA PLATA - REPUBLICA ARGENTINA

Delegado Interventor: Dr. Reynaldo P. Cesco

B O L E T I N S I S M O L O G I C O  
Enero 1958

ESTACION SISMOLOGICA: LA PLATA

$\phi = -34^{\circ} 54' 32''$   $\lambda = -57^{\circ} 55' 56''$

Instrumentos: EyN de Lainka 450 Kg.

Constantes

$E \xi = 3.2:1$      $T = 8^s 6$      $V = 192$      $r = 0,23 \text{ cm}$   
 $N \xi = 4.0:1$      $T = 7^s 9$      $V = 162$      $r = 0,15 \text{ cm}$

| Nº | Día | Comp. | Fase  | Hora     | T  | A         | $\Delta$ | Observaciones   |
|----|-----|-------|-------|----------|----|-----------|----------|---|
| 1  | 2   | E     | L 1   | 22 57 25 | 4  | 1         | 16.700   | USCGS: 11°5N 60°5W<br>H: 22h 35m 29s                        |
|    |     |       | M 3   | 58 55    | 4  | 1         |          |   |
|    |     | F     | 23 02 |          |    |           |          |   |
|    |     | N     | L 2   | 22 57 25 | 4  | 3         |          |   |
|    |     | F     | 23 00 |          |    |           |          |   |
| 2  | 9   | E     | SKSP  | 18 18 25 | 11 |           | 16.700   | USCGS: 44°5N 85°E<br>H: 17h 39m 24s<br>M:N indicios débiles |
|    |     |       | PSS   | 22 50    | 8  |           |          |   |
|    |     |       | SSS?  | 26 40    | 22 |           |          |   |
|    |     |       | L FR  | 19 11 20 | 17 | 2         |          |   |
|    |     | F     | 20    |          |    |           |          |   |
| 3  | 11  | E     | L     | 16 05 00 | 13 | 2         | 16.400   |   |
|    |     |       | M     | 05 26    | 3  | 1         |          |   |
|    |     | F     | 07    |          |    |           |          |   |
|    |     | N     | L     | 16 05 05 | 4  | 1         |          |   |
|    |     | M     | 05 13 | 3        | 2  |           |          |   |
|    |     | F     | 07    |          |    |           |          |   |
| 4  | 15  | E     | iP 1  | 19 19 22 | 6  | i-37;42   | 2.500    | USCGS: 16°5S 71°5W<br>H: 19h 14m 29s                        |
|    |     |       | iS 4  | 23 23    | 8  | i-49;79   |          |   |
|    |     |       | L 5   | 25 35    | 10 | 23        |          |   |
|    |     |       | M 8   | 27 55    | 22 | 309       |          |   |
|    |     |       | F     | 20 19    |    |           |          |   |
|    |     | N     | iP 2  | 19 19 22 | 5  | i=+38;46  |          |   |
|    |     |       | iS 3  | 23 22    | 10 | i=+47;134 |          |   |
|    |     |       | L 6   | 26 00    | 12 | 56        |          |   |
|    |     |       | M 7   | 27 27    | 17 | 269       |          |   |
|    |     |       | F     | 20 15    |    |           |          |   |

Enero de 1958

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| Nº                       | Día   | Comp. | Fase                     | Hora     | T  | A   | Δ   | Observaciones                                     |
|--------------------------|-------|-------|--------------------------|----------|----|-----|---|---|
| 5                        | 19    | E     | P                        | 14 15 05 | 3  | 1   | 4.400   | USCGS: 1°5N 79°5W<br>H: 14h 07m 23s               |
|                          |       |       | PPP?                     | 17 40    | 3  | 3   |   |   |
|                          |       |       | S                        | 21 20    | 7  | 4   |   |   |
|                          |       |       | SSS                      | 24 35    | 18 | 80  |   |   |
|                          |       |       | LQ?                      | 26 20    | 36 | 174 |   |   |
|                          |       |       | LR                       | 29 05    | 34 | 287 |   |   |
|                          |       |       | MR                       | 33 50    | 18 | 621 |   |   |
|                          |       | F     | Superpuesto al siguiente |          |    |     |   |   |
|                          |       | N     | P                        | 14 15 05 | 3  | 4   |   |   |
|                          |       |       | PPP?                     | 17 50    | 16 | 29  |   |   |
|                          |       |       | S                        | 21 25    | 18 | 34  |   |   |
|                          |       |       | SSS                      | 24 30    | 23 | 50  |   |   |
|                          |       |       |                          | 26 10    | 16 | 22  |   |   |
|                          |       |       | LR                       | 28 40    | 20 | 70  |   |   |
| M                        | 31 40 |       | 22                       | 174      |    |     |   |   |
| F                        | 36 14 | 13    | 480                      |          |    |     |   |   |
| Superpuesto al siguiente |       |       |                          |          |    |     |   |   |
| 6                        | 19    | E     | L                        | 15 06 00 | 30 | 327 | USCGS 1°5S 79°5W<br>H: 14h 43m 24s<br>Registro superpuesto<br>al anterior a partir<br>de 14h 57m. |   |
|                          |       |       | M                        | 08 41    | 15 | 259 |   |   |
|                          |       |       | F                        | 16 28    |    |     |   |   |
|                          |       | N     | L                        | 15 06 20 | 30 | 230 |   |   |
|                          |       |       | M                        | 11 46    | 14 | 371 |   |   |
|                          |       |       | F                        | 16 28    |    |     |   |   |
| 7                        | 20    | E     | iP                       | 02 22 50 | 2  |     | 1.400   | Compresión<br>USCGS 30°5S 71°5W<br>H: 02h 19m 53s |
|                          |       |       | S                        | 25 05    | 4  |     |   |   |
|                          |       |       | L                        | 25 40    | 4  | 19  |   |   |
|                          |       |       | M                        | 02 26 59 | 2  | 114 |   |   |
|                          |       |       | F                        | 54       |    |     |   |   |
|                          |       | N     | iPP?                     | 02 22 55 | 2  |     |   |   |
|                          |       |       | S                        | 25 05    | 2  |     |   |   |
|                          |       |       | L?                       | 26 05    | 3  | 50  |   |   |
|                          |       |       | L?                       | 26 25    | 3  | 26  |   |   |
|                          |       |       | M                        | 26 49    | 2  | 153 |   |   |
| F                        | 50    |       |                          |          |    |     |   |   |
| 8                        | 20    | E     | PP                       | 09 58 50 | 3  |     | 1.400   | USCGS 30°5S 71°5W<br>H: 09h 55m 44s               |
|                          |       |       | S                        | 10 01 00 | 3  |     |   |   |
|                          |       |       | L                        | 01 35    | 3  | 8   |   |   |
|                          |       |       | M                        | 02 20    | 4  | 27  |   |   |
|                          |       |       | F                        | 17       |    |     |   |   |
|                          |       | N     | PP                       | 09 58 50 | 2  | 2   |   |   |
|                          |       |       | S                        | 10 01 00 | 2  | 7   |   |   |
|                          |       |       | L                        | 01 40    | 4  | 8   |   |   |
|                          |       |       | M                        | 02 20    | 4  | 41  |   |   |
|                          |       |       | F                        | 15       |    |     |   |   |

Enero de 1958

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| N° | Día | Comp. | Fase | Hora     | T | A  | Δ     | Observaciones                      |
|----|-----|-------|------|----------|---|----|-------|------------------------------------|
| 9  | 21  | E     | P    | 08 10 00 | 3 |    | 1.400 | USCGS: 29°S 73°W<br>H: 08h 06m 56s |
|    |     |       | PPP  | 10 25    | 2 |    |       |                                    |
|    |     |       | S    | 12 20    | 3 |    |       |                                    |
|    |     |       | L    | 13 05    | 4 | 5  |       |                                    |
|    |     |       | M    | 14 35    | 4 | 16 |       |                                    |
|    |     |       | F    | 23       |   |    |       |                                    |
|    |     | N     | P    | 08 10 05 | 3 |    |       |                                    |
|    |     |       | S    | 12 20    | 3 |    |       |                                    |
|    |     |       | L    | 12 55    | 4 | 7  |       |                                    |
|    |     |       | M    | 13 07    | 4 | 26 |       |                                    |
|    |     |       | M    | 13 55    | 4 | 38 |       |                                    |
|    |     |       | F    | 24       |   |    |       |                                    |

Prof. Ing. S. Gershanik  
Jefe del Departamento  
de Geofísica

LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSIsmICA

Enero de 1958

Componente 1-7



| Hora  | 0 <sup>h</sup> |     |     | 6 <sup>h</sup> |     |     | 12 <sup>h</sup> |     |     | 18 <sup>h</sup> |     |     |
|-------|----------------|-----|-----|----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|
| Fecha | K              | A   | T   | K              | A   | T   | K               | A   | T   | K               | A   | T   |
| 1     | 3              | 1.0 | 2.4 | 0.0            |     |     | 0.0             |     |     | 3               | 1.4 | 3.6 |
| 2     | 3              | 1.4 | 3.0 | 0.0            |     |     | 3               | 0.9 | 3.6 | ...             |     |     |
| 3     | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 4     | 3              | 1.0 | 2.4 | 0.0            |     |     | 3               | 1.0 | 2.4 | 0.0             |     |     |
| 5     | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 6     | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 7     | 0.0            |     |     | 3              | 1.5 | 2.4 | 3               | 1.0 | 2.6 | 2               | 2.0 | 2.4 |
| 8     | 2              | 1.8 | 3.4 | 2              | 1.8 | 3.6 | 2               | 2.3 | 3.5 | 2               | 2.3 | 3.6 |
| 9     | 2              | 1.4 | 3.6 | 3              | 1.4 | 3.4 | 3               | 1.8 | 3.6 | 3               | 1.3 | 4.2 |
| 10    | 3              | 0.9 | 2.4 | 3              | 1.5 | 3.6 | 3               | 1.8 | 3.0 | 3               | 0.9 | 3.6 |
| 11    | 0.0            |     |     | 0.0            |     |     | 3               | 0.9 | 4.2 | 0.0             |     |     |
| 12    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 13    | 3              | 1.4 | 3.6 | 0.0            |     |     | 3               | 0.9 | 4.2 | ...             |     |     |
| 14    | 3              | 1.3 | 4.2 | 0.0            |     |     | 3               | 0.9 | 3.6 | 3               | 1.2 | 4.8 |
| 15    | 0.0            |     |     | 3              | 3.5 | 2.1 | 3               | 1.8 | 3.0 | 3               | 0.9 | 3.9 |
| 16    | 3              | 1.4 | 3.9 | 3              | 1.8 | 3.6 | 2               | 2.8 | 3.5 | 2               | 1.8 | 3.7 |
| 17    | 3              | 1.2 | 4.2 | 3              | 1.4 | 3.6 | 3               | 1.9 | 3.3 | 3               | 0.9 | 3.6 |
| 18    | 0.0            |     |     | 0.0            |     |     | 2               | 1.0 | 2.4 | 2               | 0.9 | 3.0 |
| 19    | 2              | 1.8 | 3.7 | 2              | 0.9 | 3.6 | 3               | 1.8 | 3.1 | 3               | 0.9 | 3.0 |
| 20    | 3              | 0.9 | 3.0 | 3              | 1.0 | 2.7 | 3               | 0.9 | 3.4 | 3               | 0.9 | 3.6 |
| 21    | 0.0            |     |     | 0.0            |     |     | 3               | 0.9 | 3.6 | 3               | 0.9 | 3.6 |
| 22    | ...            |     |     | ...            |     |     | ...             |     |     | 3               | 0.9 | 3.6 |
| 23    | 3              | 1.4 | 2.7 | 3              | 0.9 | 3.6 | 3               | 0.9 | 3.4 | 0.0             |     |     |
| 24    | 0.0            |     |     | 3              | 1.4 | 3.0 | 3               | 0.9 | 4.2 | 3               | 0.9 | 6.0 |
| 25    | 3              | 1.4 | 3.6 | 0.0            |     |     | 3               | 1.7 | 4.5 | 3               | 1.4 | 3.6 |
| 26    | 3              | 0.9 | 3.6 | 0.0            |     |     | 3               | 1.4 | 3.4 | 2               | 1.8 | 3.6 |
| 27    | 2              | 1.8 | 5.3 | 3              | 1.3 | 3.5 | 3               | 2.2 | 4.4 | 3               | 1.7 | 4.2 |
| 28    | 3              | 0.9 | 4.2 | 3              | 1.5 | 3.6 | 3               | 1.5 | 3.6 | 3               | 1.5 | 3.0 |
| 29    | 0.0            |     |     | 0.0            |     |     | 3               | 1.0 | 2.4 | 3               | 0.0 | 2.4 |
| 30    | 3              | 2.2 | 5.4 | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 31    | 3              | 0.9 | 4.5 | 3              | 1.0 | 2.4 | 3               | 0.9 | 4.2 | 3               | 1.0 | 3.3 |

LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSEISMICA

Enero de 1958

Componente N-S

| Hora  | 0 <sup>h</sup> |     |     | 6 <sup>h</sup> |     |     | 12 <sup>h</sup> |     |     | 18 <sup>h</sup> |     |     |
|-------|----------------|-----|-----|----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|
| Fecha | K              | A   | T   | K              | A   | T   | K               | A   | T   | K               | A   | T   |
| 1     | 3              | 1.0 | 4.2 | 3              | 1.1 | 3.0 | 3               | 1.1 | 3.6 | 3               | 1.1 | 3.6 |
| 2     | 3              | 1.1 | 3.6 | 0.0            |     |     | 3               | 1.2 | 2.4 | ...             |     |     |
| 3     | 0.0            |     |     | 0.0            |     |     | 3               | 1.1 | 3.6 | 0.0             |     |     |
| 4     | 3              | 1.1 | 3.6 | 3              | 1.2 | 1.8 | 3               | 1.1 | 3.6 | 0.0             |     |     |
| 5     | 0.0            |     |     | 0.0            |     |     | 0..             |     |     | 0..             |     |     |
| 6     | 0.0            |     |     | 0..            |     |     | 0..             |     |     | 0..             |     |     |
| 7     | 0.0            |     |     | 0..            |     |     | 3               | 1.2 | 2.4 | 3               | 1.2 | 2.3 |
| 8     | 3              | 1.1 | 3.0 | 3              | 1.0 | 4.2 | 3               | 1.7 | 3.0 | 3               | 1.6 | 3.3 |
| 9     | 3              | 1.1 | 3.0 | 3              | 1.0 | 4.2 | 3               | 1.0 | 4.2 | 3               | 1.1 | 3.6 |
| 10    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 11    | 0.0            |     |     | 0.0            |     |     | 3               | 1.2 | 2.4 | 0.0             |     |     |
| 12    | 0.0            |     |     | 0.0            |     |     | 0..             |     |     | 0..             |     |     |
| 13    | 0.0            |     |     | 0..            |     |     | 0.0             |     |     | ...             |     |     |
| 14    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 15    | 0.0            |     |     | 2              | 5.8 | 2.4 | 0.0             |     |     | 3               | 1.7 | 2.4 |
| 16    | 3              | 1.1 | 3.0 | 3              | 2.9 | 2.4 | 3               | 2.1 | 4.0 | 3               | 1.6 | 4.2 |
| 17    | 0.0            |     |     | 3              | 1.2 | 2.4 | 3               | 1.6 | 3.6 | 0.0             |     |     |
| 18    | 0.0            |     |     | 0.0            |     |     | 3               | 1.0 | 4.8 | 0.0             |     |     |
| 19    | 3              | 2.9 | 2.4 | 3              | 1.6 | 3.9 | 3               | 1.6 | 3.6 | 3               | 1.7 | 2.4 |
| 20    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 21    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 22    | ...            |     |     | ...            |     |     | ...             |     |     | 0.0             |     |     |
| 23    | 3              | 1.8 | 2.9 | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 24    | 0.0            |     |     | 0.0            |     |     | 0..             |     |     | 0..             |     |     |
| 25    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 26    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 3               | 1.1 | 3.6 |
| 27    | 3              | 1.1 | 3.6 | 3              | 1.1 | 3.6 | 3               | 1.6 | 3.6 | 0.0             |     |     |
| 28    | 0.0            |     |     | 3              | 1.2 | 3.0 | 0.0             |     |     | 3               | 1.2 | 3.0 |
| 29    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 30    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 31    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |

AÑO GEOFISICO INTERNACIONAL  
OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL  
LA PLATA - REPUBLICA ARGENTINA

Delegado Interventor: Dr. Reynaldo P. Cesco

BOLETIN SISMOLOGICO

Febrero 1958

ESTACION SISMOLOGICA: LA PLATA

$\varphi = -34^{\circ} 54' 32''$      $\lambda = -57^{\circ} 55' 56''$

Instrumentos: E y N de Mainka 450 Kg

Constantes

E  $\xi = 4.2:1$     T = 8<sup>S</sup>4    V = 181    r = 0,15cm  
N  $\xi = 4.4:1$     T = 8<sup>S</sup>3    V = 153    r = 0,15cm

| N°    | Día   | Comp. | Fase   | Hora     | T  | A          | $\Delta$ | Observaciones                        |
|-------|-------|-------|--------|----------|----|------------|----------|--------------------------------------|
| 10    | 1     | E     | iP     | 16 18 04 | 3  | $i=+3;10$  | 4.600    | USCGS 2°N 79°W<br>H: 16h 10m 15s     |
|       |       |       |        | 18 30    | 4  | 3          |          |                                      |
|       |       |       |        | 19 00    | 4  | 2          |          |                                      |
|       |       |       | PP 3   | 19 40    | 5  | 3          |          |                                      |
|       |       |       |        | 22 30    | 4  | 1          |          |                                      |
|       |       |       | iS 5   | 24 16    | 7  | $i=+18;25$ |          |                                      |
|       |       |       |        | 25 05    | 11 | 15         |          |                                      |
|       |       |       | SS 6   | 27 30    | 23 | 39         |          |                                      |
|       |       |       | LQ 9   | 29 40    | 26 | 40         |          |                                      |
|       |       |       | LR 10  | 31 55    | 26 | 76         |          |                                      |
|       |       |       | M 12   | 34 55    | 18 | 214        |          |                                      |
|       |       |       | M 13   | 38 10    | 16 | 310        |          |                                      |
|       |       |       | F      | 18 08    |    |            |          |                                      |
|       |       |       | N      |          |    | iP 2       |          |                                      |
| S 4   | 24 10 | 4     |        |          |    | 3          |          |                                      |
| SS 7  | 27 30 | 16    |        |          |    | 21         |          |                                      |
| L 8   | 29 25 | 23    |        |          |    | 48         |          |                                      |
| LR 11 | 32 50 | 23    |        |          |    | 45         |          |                                      |
| M 14  | 38 20 | 14    |        |          |    | 247        |          |                                      |
| F     | 17 56 |       |        |          |    |            |          |                                      |
|       |       |       |        |          |    |            |          |                                      |
| 11    | 1     | E     | P 1    | 18 10 30 | 2  | 1          | 4.600    | USCGS: da 2°N 79°W<br>H: 18h 02m 39s |
|       |       |       | PP 3   | 12 20    | 4  | 2          |          |                                      |
|       |       |       | PPP? 4 | 12 35    | 3  | 3          |          |                                      |
|       |       |       | iS 6   | 16 42    | 6  | $i=+6;10$  |          |                                      |
|       |       |       | SS 2   | 19 50    | 4  | 1          |          |                                      |
|       |       |       | SSS 8  | 20 30    | 4  | 1          |          |                                      |
|       |       |       | L 10   | 22 30    | 4  | 1          |          |                                      |
|       |       |       | LR 11  | 24 10    | 4  | 2          |          |                                      |
|       |       |       | M 12   | 27 10    | 6  | 12         |          |                                      |
|       |       |       | F      | 19 10    |    |            |          |                                      |

Febrero de 1958

(2)

International  
Seismological  
Centre

| Nº | Día | Comp. | Fase             | Hora     | T  | A  | Δ | Observaciones   |
|----|-----|-------|------------------|----------|----|----|---|---|
|    |     | N     | P                | 18 10 30 | 2  | 2  |   |   |
|    |     |       |                  | 10 50    | 4  | 5  |   |   |
|    |     |       | S                | 16 35    | 5  | 2  |   |   |
|    |     |       | L <sub>Q</sub>   | 22 00    | 4  | 1  |   |   |
|    |     |       | L <sub>R</sub>   | 25 05    | 4  | 1  |   |   |
|    |     |       | M <sub>R</sub>   | 31 10    | 13 | 25 |   |   |
|    |     |       | F                | 19 01    |    |    |   |   |
| 12 | 1   | E     | P 1              | 20 53 40 | 3  | 2  |   | 4.600 USCGS da: 1°5N 79°W<br>H: 20h 45m 45s   |
|    |     |       | S 2              | 59 50    | 5  | 4  |   |   |
|    |     |       | SS 4             | 21 03 05 | 2  | 1  |   |   |
|    |     |       | L <sub>R</sub> 6 | 07 35    | 3  | 1  |   |   |
|    |     |       | M 8              | 10 20    | 14 | 30 |   |   |
|    |     |       | PKKS?            | 10 20 05 | 11 | 10 |   |   |
|    |     |       | F                | 22 02    |    |    |   |   |
|    |     | N     |                  | 20 53 35 | 5  | 3  |   |   |
|    |     |       | S 3              | 59 55    | 4  | 3  |   |   |
|    |     |       | L 5              | 21 05 00 | 7  | 1  |   |   |
|    |     |       | L <sub>Q</sub> 7 | 07 40    | 8  | 2  |   |   |
|    |     |       | M <sub>R</sub> 1 | 14 23    | 9  | 18 |   |   |
|    |     |       | F                | 21 56    |    |    |   |   |
| 13 | 23  | E     | P 2              | 08 16 55 | 3  |    |   | 1000 USCGS: 27°5S; 63°W<br>H: 08h 14m 48s<br>h 600<br>Noreste Santiago del<br>Estero-Ep. 26°8.5 62°W<br>h= 500 km<br>Compresión |
|    |     |       | iS 4             | 18 35    | 5  |    |   |   |
|    |     |       | M 5              | 19 04    | 4  | 18 |   |   |
|    |     |       | M 7              | 20 02    | 4  | 29 |   |   |
|    |     |       | ScS?             | 28 31    | 4  | 9  |   |   |
|    |     |       | F                | 45       |    |    |   |   |
|    |     | N     | iP 1             | 08 16 54 | 3  |    |   |   |
|    |     |       | iS 3             | 18 34    | 4  |    |   |   |
|    |     |       | M 6              | 19 08    | 2  | 30 |   |   |
|    |     |       | ScS?             | 28 00    | 4  |    |   |   |
|    |     |       | F                | 42       |    |    |   |   |
| 14 | 26  | E     | P                | 16 24 40 | 1  |    |   |   |
|    |     |       | L                | 28 05    | 1  | 2  |   |   |
|    |     |       | M                | 29 07    | 3  | 7  |   |   |
|    |     |       | F                | 36       |    |    |   |   |
|    |     | N     |                  | 16 25 10 | 2  |    |   |   |
|    |     |       | L                | 27 55    | 2  | 2  |   |   |
|    |     |       | M                | 28 49    | 3  | 17 |   |   |
|    |     |       | F                | 38       |    |    |   |   |

Prof. Ing. S. Gershanik  
Jefe del Departamento  
de Geofísica

LA PLATA - REPUBLICA ARGENTINA



ACTIVIDAD MICROSISMICA

Febrero 1958

Componente E-W

| Hora  | 0 <sup>h</sup> |     |     | 6 <sup>h</sup> |     |     | 12 <sup>h</sup> |     |     | 18 <sup>h</sup> |     |     |
|-------|----------------|-----|-----|----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|
| Fecha | K              | A   | T   | K              | A   | T   | K               | A   | T   | K               | A   | T   |
| 1     | 3              | 1.0 | 3.6 | 3              | 1.0 | 3.6 | 3               | 1.5 | 3.6 | ...             |     |     |
| 2     | 3              | 1.0 | 3.6 | 2              | 1.5 | 3.7 | 2               | 2.0 | 3.5 | 2               | 0.9 | 4.2 |
| 3     | 3              | 1.5 | 3.6 | 3              | 1.0 | 3.6 | ...             |     |     | 3               | 1.5 | 3.6 |
| 4     | 3              | 1.4 | 3.9 | 3              | 2.0 | 3.8 | 2               | 2.5 | 3.4 | 2               | 1.9 | 3.9 |
| 5     | 2              | 2.5 | 3.0 | 3              | 1.6 | 2.4 | 3               | 1.0 | 3.6 | 3               | 0.9 | 4.2 |
| 6     | 3              | 1.0 | 3.6 | 3              | 1.0 | 2.4 | 3               | 2.0 | 2.8 | 3               | 1.5 | 3.0 |
| 7     | 3              | 1.4 | 3.9 | 3              | 1.0 | 2.4 | 3               | 1.5 | 3.6 | 3               | 1.5 | 3.6 |
| 8     | 3              | 2.0 | 2.9 | 3              | 2.1 | 2.4 | 3               | 1.9 | 3.9 | 3               | 1.5 | 3.6 |
| 9     | 3              | 1.5 | 3.7 | 3              | 2.0 | 3.8 | 3               | 2.0 | 3.0 | 2               | 3.6 | 3.4 |
| 10    | 2              | 2.5 | 3.0 | 2              | 1.4 | 4.0 | 2               | 1.5 | 3.1 | 3               | 1.5 | 3.4 |
| 11    | 0.0            |     |     | 3              | 1.0 | 3.6 | 3               | 1.0 | 2.4 | 3               | 1.0 | 3.6 |
| 12    | 3              | 1.0 | 2.4 | 3              | 1.0 | 3.3 | 3               | 1.5 | 3.8 | 3               | 1.6 | 2.7 |
| 13    | 3              | 1.0 | 3.0 | 3              | 2.0 | 3.4 | 3               | 2.6 | 2.4 | 3               | 1.6 | 2.7 |
| 14    | 3              | 1.5 | 3.4 | 3              | 2.1 | 2.6 | 3               | 3.1 | 3.0 | 3               | 2.0 | 3.8 |
| 15    | 3              | 2.0 | 4.0 | 3              | 2.0 | 3.3 | 3               | 1.0 | 3.4 | 3               | 1.5 | 3.6 |
| 16    | 3              | 1.5 | 3.6 | 3              | 1.6 | 2.4 | 0.0             |     |     | 0.0             |     |     |
| 17    | 0.0            |     |     | 3              | 1.5 | 3.6 | 3               | 1.5 | 3.4 | 3               | 1.0 | 3.0 |
| 18    | 3              | 1.5 | 3.6 | 3              | 1.5 | 3.6 | 3               | 1.5 | 3.0 | 3               | 1.5 | 3.8 |
| 19    | 3              | 1.6 | 2.6 | 3              | 1.4 | 4.0 | 3               | 1.6 | 2.7 | 0.0             |     |     |
| 20    | 3              | 1.0 | 3.8 | 0.0            |     |     | 2               | 2.0 | 3.7 | 2               | 1.9 | 4.1 |
| 21    | 2              | 1.4 | 4.3 | 3              | 0.9 | 4.4 | 3               | 0.9 | 4.2 | 3               | 2.0 | 3.6 |
| 22    | 3              | 1.5 | 3.6 | 3              | 5.0 | 3.6 | 3               | 1.4 | 4.5 | 3               | 1.9 | 4.0 |
| 23    | 3              | 1.5 | 3.6 | 2              | 2.5 | 3.7 | 2               | 3.9 | 4.2 | 2               | 2.9 | 3.8 |
| 24    | 2              | 1.9 | 4.0 | 2              | 2.0 | 3.6 | 2               | 2.0 | 3.5 | 3               | 1.9 | 4.2 |
| 25    | 3              | 2.0 | 3.6 | 3              | 1.5 | 3.6 | 3               | 1.9 | 4.2 | 3               | 1.4 | 4.2 |
| 26    | 3              | 1.9 | 3.6 | 3              | 1.6 | 2.4 | 3               | 2.4 | 3.6 | 3               | 2.3 | 4.8 |
| 27    | 3              | 1.9 | 4.2 | 3              | 1.5 | 3.6 | 3               | 1.4 | 3.6 | 3               | 1.0 | 3.0 |
| 28    | 3              | 1.6 | 2.4 | 3              | 1.4 | 3.6 | 3               | 1.6 | 2.4 | 3               | 1.0 | 3.6 |



LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSEISMICA

Febrero 1958

Componente N-S

| Hora  | 0 <sup>h</sup> |     |     | 6 <sup>h</sup> |     |     | 12 <sup>h</sup> |     |     | 18 <sup>h</sup> |     |     |
|-------|----------------|-----|-----|----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|
| Fecha | K              | A   | T   | K              | A   | T   | K               | A   | T   | K               | A   | T   |
| 1     | 0.0            |     |     | 0.0            |     |     | 3               | 1.1 | 4.2 | ...             |     |     |
| 2     | 3              | 1.2 | 3.6 | 3              | 1.8 | 3.0 | 3               | 1.1 | 4.0 | 3               | 1.2 | 3.8 |
| 3     | 3              | 1.7 | 4.0 | 3              | 1.7 | 3.6 | 3               | 1.8 | 3.0 | 3               | 2.3 | 3.6 |
| 4     | 3              | 1.7 | 3.6 | 2              | 1.9 | 2.6 | 3               | 1.7 | 4.2 | 2               | 1.2 | 2.4 |
| 5     | 3              | 1.2 | 2.4 | 3              | 1.3 | 1.8 | 3               | 1.9 | 2.4 | 0.0             |     |     |
| 6     | 0.0            |     |     | 0.0            |     |     | 3               | 1.2 | 2.4 | 3               | 1.2 | 2.6 |
| 7     | 3              | 1.7 | 3.6 | 0.0            |     |     | 3               | 1.8 | 3.0 | 3               | 1.2 | 2.7 |
| 8     | 3              | 1.8 | 3.0 | 3              | 1.7 | 3.6 | 0.0             |     |     | 3               | 1.7 | 3.6 |
| 9     | 3              | 1.2 | 3.6 | 3              | 1.7 | 3.8 | 3               | 2.4 | 3.0 | 2               | 3.7 | 2.9 |
| 10    | 3              | 2.4 | 2.8 | 3              | 1.8 | 3.0 | 3               | 2.4 | 3.1 | 3               | 1.8 | 3.3 |
| 11    | 3              | 1.2 | 3.6 | 3              | 1.1 | 4.2 | 3               | 1.8 | 3.0 | 3               | 1.2 | 2.4 |
| 12    | 3              | 1.9 | 2.4 | 3              | 1.9 | 2.6 | 3               | 1.7 | 4.0 | 3               | 1.7 | 3.6 |
| 13    | 3              | 1.2 | 3.4 | 2              | 2.5 | 2.4 | 3               | 1.8 | 3.0 | 2               | 3.0 | 2.8 |
| 14    | 2              | 1.8 | 3.0 | 2              | 1.9 | 2.6 | 3               | 2.4 | 2.9 | 2               | 2.4 | 2.9 |
| 15    | 0.0            |     |     | 0.0            |     |     | 3               | 2.4 | 3.3 | 3               | 1.8 | 3.0 |
| 16    | 3              | 1.7 | 3.6 | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 17    | 0.0            |     |     | 0.0            |     |     | 3               | 1.2 | 2.4 | 0.0             |     |     |
| 18    | 0.0            |     |     | 3              | 1.7 | 4.2 | 3               | 1.2 | 2.4 | 0.0             |     |     |
| 19    | 3              | 1.7 | 3.6 | 3              | 1.2 | 3.0 | 3               | 2.4 | 2.7 | 3               | 1.2 | 3.6 |
| 20    | 3              | 1.2 | 3.6 | 3              | 1.8 | 3.0 | 2               | 1.7 | 3.6 | 2               | 3.0 | 3.5 |
| 21    | 3              | 1.8 | 3.2 | 3              | 1.1 | 4.2 | 3               | 2.3 | 3.6 | 3               | 1.6 | 4.2 |
| 22    | 3              | 1.7 | 3.9 | 3              | 1.7 | 3.6 | 3               | 1.6 | 4.6 | 3               | 1.1 | 3.9 |
| 23    | 2              | 1.2 | 3.6 | 2              | 1.8 | 3.0 | 2               | 3.4 | 4.2 | 2               | 2.9 | 3.8 |
| 24    | 3              | 1.7 | 4.2 | 2              | 1.8 | 3.5 | 3               | 1.7 | 3.9 | 3               | 1.2 | 2.4 |
| 25    | 3              | 1.2 | 3.6 | 3              | 1.9 | 2.4 | 3               | 1.6 | 4.2 | 3               | 1.7 | 3.6 |
| 26    | 3              | 1.8 | 3.6 | 3              | 1.8 | 2.4 | 3               | 1.7 | 3.6 | 3               | 2.9 | 3.6 |
| 27    | 3              | 1.2 | 3.6 | 3              | 1.7 | 3.6 | 3               | 1.9 | 2.4 | 3               | 1.8 | 3.0 |
| 28    | 3              | 1.2 | 2.4 | 0.0            |     |     | 3               | 1.7 | 3.6 | 3               | 1.1 | 4.2 |

AÑO GEOFISICO INTERNACIONAL  
 OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL  
 LA PLATA - REPUBLICA ARGENTINA



Delegado Interventor: Dr. Reynaldo P. Cesco

BOLETIN SISMOLOGICO

Marzo 1958

ESTACION SISMOLOGICA: LA PLATA

$\varphi = 34^{\circ} 54' 32''$   $\lambda = -57^{\circ} 55' 56''$

Instrumentos: EyN de Mainka 450 Kg.

Constantes

$E \epsilon = 4.2:1$        $T = 8^{S}4$        $V = 181$        $r = 0.15cm$   
 $N \epsilon = 4.4:1$        $T = 8^{S}3$        $V = 153$        $r = 0.15cm$

| N° | Día | Comp. | Fase  | Hora  | T  | A   | $\Delta$ | Observaciones                                       |
|----|-----|-------|---|---|--|---|----------|---|
| 15 | 4   | N     | L<br>M<br>F   | 02 18 30<br>20 25<br>26   | 4<br>14  | 1<br>7  |          |   |
|    |     | E     | Nada  |   |  |   |          |   |
| 16 | 8   | E     | iP 1<br>S? 3<br>M 6<br>F  | 20 12 55<br>14 40<br>15 10<br>16 17<br>34   | 4<br>2<br>4<br>4   | i=+6;17<br>3<br>6<br>9                                | 1.200    | USCGS: 33°5 S 70° W<br>H: 20h 10m 23s<br>h ~ 100 km |
|    |     | N     | iP 2<br>iS? 4<br>L 5<br>M 7<br>F  | 20 12 56<br>14 43<br>15 20<br>16 56<br>34   | 4<br>4<br>3<br>4   | i=+2;4<br>i=-8;8<br>2<br>11                           |          |   |
| 17 | 11  | E     | PKP? 1<br>PP? 4<br>SKS 5<br>PSS 10<br>SSS? 12<br>LQ 14<br>LR 15<br>MR 16<br>F | 00 46 55<br>48 25<br>51 35<br>52 20<br>56 35<br>01 06 05<br>10 20<br>13 10<br>18 00<br>29 55<br>37 25<br>49 25<br>02 35 | 4<br>4<br>4<br>4<br>4<br>4<br>4<br>9<br>10<br>21<br>50<br>40 | 1<br>1<br>1<br>1<br>2<br>1<br>1<br>2<br>6<br>38<br>49 | 19.000   | USCGS: 25°5 N 125°E<br>H: 00h 25m 56s<br>h ~ 60 km  |
|    |     | N     | PKP? 2<br>PP 3<br>PPP? 6<br>SS 7<br>SKSP 8<br>PPS? 9<br>PSS? 11               | 00 46 55<br>47 50<br>51 25<br>55 50<br>57 40<br>59 40<br>01 02 00<br>03 00<br>05 53<br>13 50                            | 4<br>4<br>2<br>4<br>4<br>10<br>11<br>10<br>20<br>15          | 1<br>2<br>1<br>1<br>1<br>1<br>1<br>1<br>15<br>20      |          | Final confuso con microsismos                       |

Continúa en la pág. siguiente.

Marzo de 1958

(2)

| N°    | Día           | Comp. | Fase             | Hora                                |    |    | T  | A  | Δ                   | Observaciones |
|-------|---------------|-------|------------------|-------------------------------------|----|----|----|----|---------------------|---------------|
| 17    |               | N     |                  | 01                                  | 15 | 50 | 10 | 4  |                     |               |
| Cont. |               |       | L <sub>Q</sub>   | 23                                  | 25 |    | 19 | 9  |                     |               |
|       |               |       |                  | 46                                  | 40 |    | 43 | 50 |                     |               |
|       |               |       | M                | 50                                  | 25 |    | 32 | 64 |                     |               |
|       |               |       | F                | 42                                  |    |    |    |    |                     |               |
| 18    | 15            | E     | S?               | 16                                  | 03 | 00 | 2  |    |                     |               |
|       |               |       | L                | 03                                  | 35 |    | 2  | 2  |                     |               |
|       |               |       | M                | 04                                  | 34 |    | 4  | 2  |                     |               |
|       |               |       | F                | 12                                  |    |    |    |    |                     |               |
|       |               | N     | P?               | 16                                  | 00 | 50 | 2  |    |                     |               |
|       |               |       | S?               | 03                                  | 00 |    | 3  |    |                     |               |
|       |               |       | L                | 03                                  | 35 |    | 5  | 1  |                     |               |
|       |               |       | M                | 03                                  | 56 |    | 2  | 6  |                     |               |
|       |               |       | F                | 11                                  |    |    |    |    |                     |               |
| 19    | <del>20</del> | E     | Indicios         |                                     |    |    | 21 | 6  |                     |               |
|       |               | N     | Indicios         |                                     |    |    | 19 | 6  |                     |               |
| 20    | <del>20</del> | E     | Indicios débiles |                                     |    |    |    |    |                     |               |
|       |               | N     | L                | 18                                  | 13 | 40 | 5  | 2  |                     |               |
|       |               |       | M                | 13                                  | 58 |    | 2  | 3  |                     |               |
|       |               |       | F                | Se confunde con microsismos         |    |    |    |    |                     |               |
| 21    | 25            | E     | iP               | 21                                  | 37 | 49 | 4  |    | 1.200               |               |
|       |               |       | S                | 39                                  | 50 |    | 4  |    |                     |               |
|       |               |       | L                | 40                                  | 50 |    | 5  | 2  |                     |               |
|       |               |       | M                | 41                                  | 30 |    | 3  | 6  |                     |               |
|       |               |       | F                | 50                                  |    |    |    |    |                     |               |
|       |               | N     | P                | 21                                  | 37 | 50 | 3  |    |                     |               |
|       |               |       | S                | 39                                  | 55 |    | 2  |    |                     |               |
|       |               |       | L                | 40                                  | 20 |    | 2  | 2  |                     |               |
|       |               |       | M                | 41                                  | 08 |    | 2  | 10 |                     |               |
|       |               |       | F                | 51                                  |    |    |    |    |                     |               |
| 22    | <del>30</del> | E     | ?                | 20                                  | 27 | 30 | 4  | 1  | Fuertes microsismos |               |
|       |               | N     | Nada             |                                     |    |    |    |    |                     |               |
| 23    | 31            | E     | P?               | 19                                  | 53 | 25 | 6  |    | 1.300               |               |
|       |               |       | S?               | 55                                  | 30 |    | 6  |    |                     |               |
|       |               |       | L                | 56                                  | 35 |    | 4  | 4  |                     |               |
|       |               |       | M                | 56                                  | 53 |    | 3  | 10 |                     |               |
|       |               |       | M                | 57                                  | 12 |    | 3  | 9  |                     |               |
|       |               |       | F                | Se confunde con fuertes microsismos |    |    |    |    |                     |               |
|       |               | N     | P?               | 19                                  | 53 | 25 | 2  |    | Fuertes microsismos |               |
|       |               |       | S?               | 55                                  | 30 |    | 2  |    |                     |               |
|       |               |       | L                | 56                                  | 10 |    | 6  | 4  |                     |               |
|       |               |       | M                | 57                                  | 26 |    | 2  | 12 |                     |               |
|       |               |       | F                | 20                                  | 07 |    |    |    |                     |               |

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LA PLATA- REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Marzo 1958

Componente E-W

| Hora  | 0h  |     |     | 6h  |     |     | 12h |     |     | 18h |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Fecha | K   | A   | T   | K   | A   | T   | K   | A   | T   | K   | A   | T   |
| 1     | 2   | 2.5 | 3.5 | 3   | 1.4 | 4.2 | 3   | 2.3 | 4.7 | 3   | 1.3 | 5.0 |
| 2     | 3   | 1.3 | 5.6 | 3   | 1.9 | 3.9 | 0.0 |     |     | 3   | 1.5 | 3.6 |
| 3     | 2   | 1.5 | 3.4 | 3   | 1.5 | 3.2 | 3   | 2.4 | 4.2 | 2   | 2.0 | 3.6 |
| 4     | 3   | 2.0 | 3.7 | 0.0 |     |     | 3   | 2.0 | 3.0 | 2   | 3.4 | 9.0 |
| 5     | 2   | 1.3 | 5.4 | 2   | 2.0 | 3.6 | 3   | 2.1 | 6.0 | 3   | 2.1 | 6.6 |
| 6     | 2   | 1.3 | 6.0 | 0.0 |     |     | ... |     |     | ... |     |     |
| 7     | ... |     |     | ... |     |     | ... |     |     | ... |     |     |
| 8     | ... |     |     | ... |     |     | ... |     |     | ... |     |     |
| 9     | ... |     |     | ... |     |     | ... |     |     | ... |     |     |
| 10    | ... |     |     | ... |     |     | ... |     |     | 3   | 1.1 | 3.0 |
| 11    | 3   | 1.0 | 2.7 | 3   | 1.0 | 3.4 | 2   | 2.4 | 4.0 | 2   | 2.5 | 3.6 |
| 12    | 2   | 2.5 | 3.6 | 2   | 2.9 | 3.9 | 2   | 2.4 | 4.6 | 2   | 1.9 | 4.1 |
| 13    | 3   | 1.5 | 3.7 | 3   | 1.0 | 3.9 | 3   | 0.9 | 4.2 | 3   | 1.0 | 3.6 |
| 14    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 15    | 3   | 1.5 | 3.6 | 0.0 |     |     | 3   | 0.9 | 4.2 | 3   | 1.0 | 3.0 |
| 16    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 3.0 | 3   | 1.5 | 3.0 |
| 17    | 3   | 1.0 | 3.6 | 0.0 |     |     | 3   | 1.5 | 3.6 | 3   | 1.0 | 3.6 |
| 18    | 3   | 1.0 | 3.6 | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 19    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 20    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 21    | 0.0 |     |     | 0.0 |     |     | 3   | 1.6 | 2.4 | 3   | 1.0 | 3.0 |
| 22    | 3   | 1.0 | 3.0 | 3   | 1.0 | 3.6 | 2   | 1.9 | 4.0 | 3   | 2.0 | 3.6 |
| 23    | 3   | 0.9 | 4.2 | 3   | 1.5 | 3.6 | 3   | 1.0 | 3.0 | 3   | 1.0 | 3.6 |
| 24    | 3   | 1.0 | 3.3 | 0.0 |     |     | 3   | 1.0 | 3.6 | 3   | 1.0 | 3.9 |
| 25    | 3   | 5.0 | 3.6 | 0.0 |     |     | 3   | 1.5 | 3.6 | 3   | 1.0 | 2.4 |
| 26    | 3   | 2.6 | 2.4 | 3   | 1.5 | 3.0 | 3   | 1.5 | 3.1 | 3   | 2.0 | 3.6 |
| 27    | 3   | 1.0 | 2.4 | 0.0 |     |     | 3   | 1.3 | 7.2 | 3   | 0.9 | 6.0 |
| 28    | 3   | 0.9 | 3.6 | 0.0 |     |     | ... |     |     | 3   | 0.9 | 4.2 |
| 29    | 3   | 1.5 | 3.6 | 3   | 0.9 | 4.2 | 2   | 2.8 | 4.2 | 2   | 4.0 | 3.5 |
| 30    | 2   | 3.5 | 3.4 | 2   | 1.4 | 4.0 | 2   | 1.9 | 4.0 | 2   | 2.0 | 3.6 |
| 31    | 2   | 3.4 | 4.1 | 2   | 2.4 | 4.2 | 2   | 3.7 | 4.5 | 2   | 3.2 | 4.3 |

LA PLATA- REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Marzo 1958

Componente E-W

| Hora  | 0h  |     |     | 6h  |     |     | 12h |     |     | 18h |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Fecha | K   | A   | T   | K   | A   | T   | K   | A   | T   | K   | A   | T   |
| 1     | 2   | 2.5 | 3.5 | 3   | 1.4 | 4.2 | 3   | 2.3 | 4.7 | 3   | 1.3 | 5.0 |
| 2     | 3   | 1.3 | 5.6 | 3   | 1.9 | 3.9 | 0.0 |     |     | 3   | 1.5 | 3.6 |
| 3     | 2   | 1.5 | 3.4 | 3   | 1.5 | 3.2 | 3   | 2.4 | 4.2 | 2   | 2.0 | 3.6 |
| 4     | 3   | 2.0 | 3.7 | 0.0 |     |     | 3   | 2.0 | 3.0 | 2   | 3.4 | 9.0 |
| 5     | 2   | 1.3 | 5.4 | 2   | 2.0 | 3.6 | 3   | 2.1 | 6.0 | 3   | 2.1 | 6.6 |
| 6     | 2   | 1.3 | 6.0 | 0.0 |     |     | ... |     |     | ... |     |     |
| 7     | ... |     |     | ... |     |     | ... |     |     | ... |     |     |
| 8     | ... |     |     | ... |     |     | ... |     |     | ... |     |     |
| 9     | ... |     |     | ... |     |     | ... |     |     | ... |     |     |
| 10    | ... |     |     | ... |     |     | ... |     |     | 3   | 1.1 | 3.0 |
| 11    | 3   | 1.0 | 2.7 | 3   | 1.0 | 3.4 | 2   | 2.4 | 4.0 | 2   | 2.5 | 3.6 |
| 12    | 2   | 2.5 | 3.6 | 2   | 2.9 | 3.9 | 2   | 2.4 | 4.6 | 2   | 1.9 | 4.1 |
| 13    | 3   | 1.5 | 3.7 | 3   | 1.0 | 3.9 | 3   | 0.9 | 4.2 | 3   | 1.0 | 3.6 |
| 14    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 15    | 3   | 1.5 | 3.6 | 0.0 |     |     | 3   | 0.9 | 4.2 | 3   | 1.0 | 3.0 |
| 16    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 3.0 | 3   | 1.5 | 3.0 |
| 17    | 3   | 1.0 | 3.6 | 0.0 |     |     | 3   | 1.5 | 3.6 | 3   | 1.0 | 3.6 |
| 18    | 3   | 1.0 | 3.6 | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 19    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 20    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 21    | 0.0 |     |     | 0.0 |     |     | 3   | 1.6 | 2.4 | 3   | 1.0 | 3.0 |
| 22    | 3   | 1.0 | 3.0 | 3   | 1.0 | 3.6 | 2   | 1.9 | 4.0 | 3   | 2.0 | 3.6 |
| 23    | 3   | 0.9 | 4.2 | 3   | 1.5 | 3.6 | 3   | 1.0 | 3.0 | 3   | 1.0 | 3.6 |
| 24    | 3   | 1.0 | 3.3 | 0.0 |     |     | 3   | 1.0 | 3.6 | 3   | 1.0 | 3.9 |
| 25    | 3   | 5.0 | 3.6 | 0.0 |     |     | 3   | 1.5 | 3.6 | 3   | 1.0 | 2.4 |
| 26    | 3   | 2.6 | 2.4 | 3   | 1.5 | 3.0 | 3   | 1.5 | 3.1 | 3   | 2.0 | 3.6 |
| 27    | 3   | 1.0 | 2.4 | 0.0 |     |     | 3   | 1.3 | 7.2 | 3   | 0.9 | 6.0 |
| 28    | 3   | 0.9 | 3.6 | 0.0 |     |     | ... |     |     | 3   | 0.9 | 4.2 |
| 29    | 3   | 1.5 | 3.6 | 3   | 0.9 | 4.2 | 2   | 2.8 | 4.2 | 2   | 4.0 | 3.5 |
| 30    | 2   | 3.5 | 3.4 | 2   | 1.4 | 4.0 | 2   | 1.9 | 4.0 | 2   | 2.0 | 3.6 |
| 31    | 2   | 3.4 | 4.1 | 2   | 2.4 | 4.2 | 2   | 3.7 | 4.5 | 2   | 3.2 | 4.3 |

LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Marzo 1958

Componente N-S

| Hora  | 0 <sup>h</sup> |     |     | 6 <sup>h</sup> |     |     | 12 <sup>h</sup> |     |     | 18 <sup>h</sup> |     |     |
|-------|----------------|-----|-----|----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|
| Fecha | K              | A   | T   | K              | A   | T   | K               | A   | T   | K               | A   | T   |
| 1     | 3              | 1.8 | 2.6 | 3              | 1.7 | 3.6 | 3               | 2.2 | 4.8 | 3               | 1.7 | 4.2 |
| 2     | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 3               | 1.2 | 4.2 |
| 3     | 0.0            |     |     | 0.0            |     |     | ...             |     |     | ...             |     |     |
| 4     | 3              | 1.2 | 3.0 | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 5     | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 6     | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 3               | 1.9 | 2.6 |
| 7     | 3              | 1.2 | 2.4 | 0.0            |     |     | 3               | 1.9 | 2.4 | 3               | 1.2 | 3.6 |
| 8     | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 9     | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 10    | 0.0            |     |     | 0.0            |     |     | 3               | 1.2 | 3.0 | 3               | 1.9 | 2.4 |
| 11    | 3              | 1.2 | 3.6 | 3              | 1.7 | 4.0 | 3               | 1.7 | 4.4 | 3               | 2.3 | 3.8 |
| 12    | 2              | 2.9 | 3.6 | 2              | 3.4 | 4.0 | 3               | 2.3 | 3.7 | 3               | 1.9 | 2.4 |
| 13    | 3              | 1.2 | 3.6 | 0.0            |     |     | 3               | 1.7 | 3.6 | 0.0             |     |     |
| 14    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 15    | 0.0            |     |     | 0.0            |     |     | 3               | 1.2 | 3.0 | 0.0             |     |     |
| 16    | 0.0            |     |     | 0.0            |     |     | 3               | 1.2 | 3.0 | 3               | 1.2 | 3.0 |
| 17    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 18    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 19    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 20    | 0.0            |     |     | 0.0            |     |     | 0.0             |     |     | 0.0             |     |     |
| 21    | 0.0            |     |     | 0.0            |     |     | 3               | 1.7 | 4.2 | 3               | 1.2 | 3.6 |
| 22    | 3              | 1.2 | 4.8 | 3              | 1.2 | 3.3 | 2               | 2.3 | 3.6 | 2               | 2.2 | 4.8 |
| 23    | 3              | 1.2 | 4.2 | 3              | 1.1 | 4.5 | 3               | 1.2 | 3.9 | 3               | 1.1 | 4.8 |
| 24    | 0.0            |     |     | 0.0            |     |     | 3               | 1.7 | 4.2 | 3               | 1.7 | 3.6 |
| 25    | 0.0            |     |     | 3              | 1.2 | 3.6 | 0.0             |     |     | 3               | 1.2 | 3.6 |
| 26    | 0.0            |     |     | 3              | 1.2 | 2.4 | 3               | 1.8 | 3.4 | 3               | 1.7 | 3.6 |
| 27    | 0.0            |     |     | 0.0            |     |     | 3               | 1.2 | 3.6 | 0.0             |     |     |
| 28    | 0.0            |     |     | 0.0            |     |     | ...             |     |     | 3               | 1.1 | 4.8 |
| 29    | 3              | 1.1 | 4.5 | 3              | 1.1 | 4.8 | 3               | 1.7 | 3.6 | 3               | 2.3 | 3.6 |
| 30    | 2              | 2.3 | 3.6 | 3              | 3.9 | 4.2 | 3               | 1.1 | 4.5 | 3               | 2.3 | 4.0 |
| 31    | 2              | 3.3 | 4.6 | 2              | 4.0 | 4.0 | 2               | 4.0 | 3.7 | 2               | 2.7 | 4.8 |



Julio de 1958

Continuación

(2)

AÑO GEOFISICO INTERNACIONAL

Observaciones

OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL

LA PLATA - REPUBLICA ARGENTINA

Deleg. Interventor: Dr. Reynaldo P. Cesco

BOLETIN SISMOLOGICO

Julio 1958

ESTACION SISMOLOGICA: LA PLATA

$\varphi = -34^{\circ} 54' 32''$   $\lambda = -57^{\circ} 55' 56''$

Instrumentos: E y N de Mainka 450 kg

Constantes

|   |                    |                      |         |             |
|---|--------------------|----------------------|---------|-------------|
| E | $\epsilon = 4.4:1$ | T = 8 <sup>s</sup> 5 | V = 172 | r = 0,08 cm |
| N | $\epsilon = 4.0:1$ | T = 8 <sup>s</sup> 3 | V = 154 | r = 0,13 cm |

| N° | Día | Comp. | Fase    | Hora  | T              | A   | $\Delta$ | Observaciones                        |
|----|-----|-------|---------|---|----------------|-----|----------|--------------------------------------|
| 49 | 10  | E     |         | 06 <sup>h</sup> 35 <sup>m</sup> 55 <sup>s</sup> | 5 <sup>s</sup> | 2   | 12.600   | USCGS: 58°5N 136°W<br>H: 06h 15m 54s |
|    |     |       |         | 40 10   | 3              | 2   |          |                                      |
|    |     |       | SKS 4   | 41 50   | 7              | 2   |          |                                      |
|    |     |       |         | 44 20   | 9              | 2   |          |                                      |
|    |     |       | PKKP 7  | 45 10   | 19             | 21  |          |                                      |
|    |     |       |         | 51 30   | 25             | 45  |          |                                      |
|    |     |       | PSS 8   | 52 55   | 17             | 16  |          |                                      |
|    |     |       |         | 54 50   | 36             | 60  |          |                                      |
|    |     |       |         | 07 01 35  | 17             | 19  |          |                                      |
|    |     |       | SSS? 10 | 06 50   | 31             | 74  |          |                                      |
|    |     |       | L 11    | 11 10   | 34             | 87  |          |                                      |
|    |     |       | M 13    | 14 40   | 32             | 361 |          |                                      |
|    |     |       | M 14    | 23 40   | 19             | 235 |          |                                      |
|    |     |       | F       | 09 27   |                |     |          |                                      |
|    |     | N     | P 1     | 06 35 25  | 4              | 1   |          |                                      |
|    |     |       | PP 2    | 36 10   | 3              | 2   |          |                                      |
|    |     |       | PPP 3   | 39 10   | 4              | 2   |          |                                      |
|    |     |       | SKS 5   | 41 50   | 5              | 3   |          |                                      |
|    |     |       | PKKP? 6 | 44 55   | 11             | 5   |          |                                      |
|    |     |       |         | 51 40   | 26             | 153 |          |                                      |
|    |     |       |         | 54 50   | 38             | 91  |          |                                      |
|    |     |       | SSS 9   | 07 05 25  | 14             | 10  |          |                                      |
|    |     |       | L 12    | 11 10   | 22             | 63  |          |                                      |
|    |     |       | M 15    | 28 05   | 19             | 238 |          |                                      |
|    |     |       | M 16    | 29 52   | 17             | 213 |          |                                      |
|    |     |       | F       | 09 27   |                |     |          |                                      |
| 50 | 11  | E     | P 1     | 19 14 25  | 5              | 2   | 2.000    | USCGS: 21°S 69°W<br>H: 19h 10m 20s   |
|    |     |       | PP 3    | 14 35   | 4              | 5   |          |                                      |
|    |     |       | S? 4    | 17 25   | 4              | 4   |          |                                      |
|    |     |       | SS? 6   | 17 50   | 2              | 2   |          |                                      |
|    |     |       | L? 8    | 19 10   | 10             | 9   |          |                                      |
|    |     |       | M 10    | 19 49   | 5              | 22  |          |                                      |
|    |     |       | M 11    | 21 05   | 5              | 21  |          |                                      |
|    |     |       | F       | 37  |                |     |          |                                      |

Julio de 1958

Continuación

(2)

| Nº    | Día           | Comp. | Fase                           | Hora  | T              | A          | Δ     | Observaciones       |  |
|-------|---------------|-------|--------------------------------|---|----------------|------------|-------|---------------------|--|
| 50    | 11            | N     | P                              | 19 <sup>h</sup> 14 <sup>m</sup> 25 <sup>s</sup> | 4 <sup>s</sup> | 2          |       |                     |  |
| cont. |               |       | S                              | 17 40   | 4              | 3          |       |                     |  |
|       |               |       | L                              | 19 00   | 9              | 9          |       |                     |  |
|       |               |       | M                              | 19 46   | 5              | 28         |       |                     |  |
|       |               |       | M                              | 21 28   | 4              | 26         |       |                     |  |
|       |               |       | F                              | 47  |                |            |       |                     |  |
| 51    | <del>16</del> | E     | oculto por fuertes microsismos |   |                |            |       |                     |  |
|       |               | N     | L                              | 13 15 05  | 28             | 27         |       | USCGS: 29°5S 113°W  |  |
|       |               |       | M                              | 16 25   | 14             | 9          |       | H: 12h 54m 18s      |  |
|       |               |       | F                              | 55  |                |            |       |                     |  |
| 52    | <del>17</del> | E     | L                              | 22 43 20  | 5              | 1          |       |                     |  |
|       |               |       | M                              | 43 31   | 2              | 2          |       |                     |  |
|       |               |       | F                              | 47  |                |            |       |                     |  |
|       |               | N     | P?                             | 22 37 40  | 5              | 2          |       |                     |  |
|       |               |       | L                              | 42 30   | 2              | 1          |       |                     |  |
|       |               |       | M                              | 42 53   | 4              | 3          |       |                     |  |
|       |               |       | F                              | 48  |                |            |       |                     |  |
| 53    | <del>19</del> | E     | sin registro                   |   |                |            |       |                     |  |
|       |               | N     | L                              | 19 33 20  | 26             | 12         |       | Inscripción débil   |  |
|       |               |       | M                              | 36 41   | 23             | 19         |       |                     |  |
|       |               |       | F                              | 48  |                |            |       |                     |  |
| 54    | 20            | E     | iP                             | 11 46 31  | 4              | i=-        | 1.400 | USCGS: 31°5S 71°W   |  |
|       |               |       | S?                             | 48 35   | 3              |            |       | H: 11h 43m 57s      |  |
|       |               |       | L                              | 49 20   | 4              | 8          |       |                     |  |
|       |               |       | M                              | 50 13   | 2              | 23         |       |                     |  |
|       |               |       | F                              | 12 07   |                |            |       |                     |  |
|       |               | N     | P                              | 11 46 30  | 4              |            |       |                     |  |
|       |               |       | S?                             | 48 30   | 4              |            |       |                     |  |
|       |               |       | L                              | 49 05   | 4              | 12         |       |                     |  |
|       |               |       | M                              | 50 17   | 3              | 39         |       |                     |  |
|       |               |       | F                              | 12 03   |                |            |       |                     |  |
| 55    | <del>21</del> | E     | P                              | 18 13 25  | 4              |            |       | Fuertes microsismos |  |
|       |               |       | L                              | 16 50   | 4              | 3          |       |                     |  |
|       |               |       | M                              | 16 52   | 4              | 6          |       |                     |  |
|       |               |       | F                              | 25  |                |            |       |                     |  |
|       |               | N     |                                | 18 16 25  | 4              |            |       |                     |  |
|       |               |       |                                | 16 50   | 4              |            |       |                     |  |
|       |               |       | L                              | 17 00   | 4              | 2          |       |                     |  |
|       |               |       | M                              | 18 01   | 4              | 6          |       |                     |  |
|       |               |       | F                              | 26  |                |            |       |                     |  |
| 56    | 26            | E     | iP                             | 17 41 43  | 3              | i=+12;65   | 2.650 | Ep: 13°5S 70°W      |  |
|       |               |       | iS                             | 45 16   | 4              | i=-151;227 |       | h = 620 km          |  |
|       |               |       |                                | 46 40   | 4              | 42         |       | USCGS: 13°5S 69°W   |  |
|       |               |       | M                              | 49 51   | 9              | 163        |       | H: 17h 37m 09s      |  |
|       |               |       | M                              | 52 02   | 5              | 227        |       | h ~ 650 km          |  |
|       |               |       | F                              | 18 58   |                |            |       |                     |  |



Julio de 1958

Continuación

(3)

| Nº    | Día | Comp. | Fase           | Hora  | T              | A | Δ         | Observaciones   |
|-------|-----|-------|----------------|---|----------------|---|-----------|---|
| 56    | 26  | N     | iP             | 17 <sup>h</sup> 41 <sup>m</sup> 43 <sup>s</sup> | 4 <sup>s</sup> | μ | i=-16;123 |   |
| cont. |     |       | iS             | 44 25   | 7              |   | 24        |   |
|       |     |       |                | 45 16   | 4              |   | i=+17;152 |   |
|       |     |       |                | 49 50   | 10             |   | 204       |   |
|       |     |       | M              | 51 49   | 5              |   | 174       |   |
|       |     |       | F              | 18 58   |                |   |           |   |
| 57    | 20  | E     | L?             | 15 26 25  | 4              |   |           | USCGS: 1800 millas al SE de Easter Island<br>H: 15h 10m 18s |
|       |     |       | L <sub>R</sub> | 29 00   | 7              |   | 1         |   |
|       |     |       | M              | 31 10   | 10             |   | 2         |   |
|       |     |       | F              | 32 59   | 11             |   | 4         |   |
|       |     |       | F              | 43  |                |   |           |   |
|       |     | N     | L?             | 15 27 20  | 10             |   | 2         |   |
|       |     |       | L <sub>R</sub> | 29 10   | 9              |   | 1         |   |
|       |     |       | M              | 31 20   | 9              |   | 2         |   |
|       |     |       | F              | 33 30   | 10             |   | 3         |   |
|       |     |       | F              | 43  |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |
|       |     |       |                |   |                |   |           |   |

Prof. Ing. S. Gershanik  
Jefe del Departamento  
de Geofísica

NOTA: El epicentro del terremoto Nº 56 ha sido calculado en base a las horas de P de Tala Pozo, San Juan, La Plata y Pasadena

LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Julio 1958

Componente N-S

| Hora  | 0h  |     |     | 6h  |     |     | 12h |     |     | 18h |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Fecha | K   | A   | T   | K   | A   | T   | K   | A   | T   | K   | A   | T   |
| 1     | 2   | 1.1 | 2.9 | 3   | 1.2 | 2.4 | 2   | 1.1 | 3.8 | 2   | 1.1 | 4.0 |
| 2     | 3   | 1.8 | 2.4 | 3   | 1.2 | 3.4 | 2   | 1.7 | 4.2 | 2   | 2.1 | 4.8 |
| 3     | 3   | 1.1 | 4.8 | 3   | 1.1 | 3.9 | 3   | 1.1 | 4.2 | 2   | 1.0 | 4.4 |
| 4     | 3   | 1.1 | 4.2 | 3   | 1.2 | 3.0 | 2   | 1.7 | 3.4 | 3   | 1.7 | 4.8 |
| 5     | 0.0 |     |     | 3   | 1.2 | 4.2 | 3   | 1.2 | 3.0 | 3   | 1.2 | 3.6 |
| 6     | 0.0 |     |     | 0.0 |     |     | 3   | 1.8 | 2.4 | 3   | 1.2 | 3.0 |
| 7     | 3   | 1.2 | 3.6 | 3   | 1.2 | 3.0 | 3   | 1.2 | 3.6 | 3   | 1.7 | 3.0 |
| 8     | 0.0 |     |     | 0.0 |     |     | 3   | 1.1 | 4.2 | 3   | 1.2 | 2.4 |
| 9     | 0.0 |     |     | 0.0 |     |     | 3   | 1.5 | 5.4 | 3   | 1.1 | 4.8 |
| 10    | 0.0 |     |     | 0.0 |     |     | 3   | 1.5 | 5.4 | 3   | 1.2 | 4.2 |
| 11    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 6.0 | 3   | 1.2 | 4.2 |
| 12    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 13    | 0.0 |     |     | 0.0 |     |     | 3   | 1.7 | 3.6 | 3   | 1.1 | 4.8 |
| 14    | 3   | 1.5 | 6.0 | 3   | 1.0 | 6.0 | 3   | 1.6 | 4.8 | 3   | 1.1 | 4.8 |
| 15    | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 3.6 | 3   | 1.2 | 3.6 |
| 16    | 0.0 |     |     | 0.0 |     |     | 2   | 1.5 | 6.0 | 3   | 1.5 | 6.0 |
| 17    | 3   | 1.0 | 6.0 | 3   | 1.0 | 6.0 | 2   | 2.0 | 6.0 | 2   | 1.4 | 7.2 |
| 18    | 3   | 1.7 | 3.6 | 3   | 1.0 | 6.0 | 3   | 1.0 | 6.0 | 3   | 1.0 | 6.0 |
| 19    | 0.0 |     |     | 3   | 1.0 | 6.0 | 3   | 1.5 | 5.4 | 3   | 2.0 | 6.0 |
| 20    | 0.0 |     |     | 0.0 |     |     | ... |     |     | 0.0 |     |     |
| 21    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 5.4 | ... |     |     |
| 22    | 3   | 1.1 | 4.8 | 0.0 |     |     | ... |     |     | 2   | 3.1 | 6.0 |
| 23    | 0.0 |     |     | 0.0 |     |     | 2   | 2.9 | 5.4 | 3   | 1.5 | 5.4 |
| 24    | 3   | 1.5 | 5.4 | 0.0 |     |     | 3   | 1.2 | 3.6 | 3   | 1.1 | 4.8 |
| 25    | 0.0 |     |     | 3   | 1.0 | 6.0 | 3   | 1.5 | 5.4 | 3   | 1.0 | 5.4 |
| 26    | 0.0 |     |     | 0.0 |     |     | 3   | 1.6 | 4.8 | ... |     |     |
| 27    | 2   | 1.2 | 2.4 | 2   | 1.8 | 2.4 | 2   | 1.7 | 3.6 | 2   | 3.1 | 2.4 |
| 28    | 2   | 2.3 | 3.6 | 2   | 2.5 | 2.4 | 2   | 2.2 | 4.2 | 2   | 1.7 | 3.6 |
| 29    | 2   | 1.6 | 4.8 | 2   | 1.7 | 4.2 | 2   | 1.8 | 2.4 | 2   | 1.7 | 3.6 |
| 30    | 2   | 1.1 | 4.2 | 2   | 1.2 | 3.6 | 2   | 1.2 | 3.6 | 3   | 1.2 | 3.6 |
| 31    | 0.0 |     |     | 0.0 |     |     | 3   | 1.5 | 6.0 | 3   | 1.2 | 3.0 |

LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Julio 1958

Componente E-W

| Hora  | 0h  |     |     | 6h  |     |     | 12h |     |     | 18h |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Fecha | K   | A   | T   | K   | A   | T   | K   | A   | T   | K   | A   | T   |
| 1     | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 3.6 | 2   | 1.0 | 3.5 |
| 2     | 2   | 2.1 | 3.3 | 2   | 1.6 | 3.2 | 2   | 1.5 | 4.3 | 2   | 2.0 | 4.8 |
| 3     | 3   | 1.5 | 4.8 | 3   | 1.5 | 4.8 | 2   | 2.0 | 4.3 | 2   | 2.0 | 4.5 |
| 4     | 2   | 1.0 | 4.8 | 3   | 1.1 | 4.2 | 2   | 2.0 | 4.8 | 2   | 1.9 | 5.1 |
| 5     | 3   | 1.0 | 3.9 | 3   | 1.1 | 4.2 | 3   | 2.2 | 3.0 | 3   | 1.5 | 4.8 |
| 6     | 3   | 1.4 | 4.8 | 3   | 1.1 | 3.0 | 0.0 |     |     | 0.0 |     |     |
| 7     | 0.0 |     |     | 0.0 |     |     | 2   | 1.5 | 4.4 | 3   | 1.5 | 4.6 |
| 8     | 3   | 1.5 | 4.2 | 3   | 1.6 | 4.2 | 2   | 1.4 | 2.4 | 3   | 1.4 | 6.0 |
| 9     | 2   | 1.1 | 2.4 | 3   | 1.1 | 3.0 | 3   | 1.5 | 5.4 | 3   | 1.0 | 4.8 |
| 10    | 0.0 |     |     | 0.0 |     |     | 2   | 1.3 | 6.0 | 3   | 1.3 | 6.4 |
| 11    | 3   | 1.5 | 4.8 | 0.0 |     |     | 2   | 1.0 | 5.0 | 2   | 1.0 | 4.2 |
| 12    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 13    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 14    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 3.0 | 0.0 |     |     |
| 15    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 3.6 |
| 16    | 0.0 |     |     | 0.0 |     |     | 3   | 1.6 | 3.6 | 3   | 1.6 | 3.6 |
| 17    | 0.0 |     |     | 0.0 |     |     | 3   | 1.6 | 3.6 | 3   | 1.6 | 3.6 |
| 18    | 0.0 |     |     | 0.0 |     |     | 3   | 1.6 | 3.6 | 0.0 |     |     |
| 19    | 0.0 |     |     | 0.0 |     |     | 3   | 1.1 | 4.8 | 3   | 1.1 | 3.0 |
| 20    | 3   | 1.1 | 3.0 | 3   | 1.0 | 5.4 | ... |     |     | 3   | 1.0 | 4.8 |
| 21    | 0.0 |     |     | 0.0 |     |     | 3   | 1.5 | 4.8 | ... |     |     |
| 22    | 3   | 1.0 | 4.2 | 3   | 1.0 | 4.8 | 2   | 1.5 | 4.8 | 3   | 1.5 | 4.8 |
| 23    | 0.0 |     |     | 0.0 |     |     | 2   | 1.4 | 5.4 | 2   | 1.4 | 5.4 |
| 24    | 2   | 1.4 | 5.4 | 2   | 1.1 | 2.4 | 3   | 2.0 | 4.8 | 3   | 1.4 | 5.4 |
| 25    | 3   | 1.4 | 6.0 | 3   | 1.0 | 6.0 | 3   | 1.0 | 6.0 | 3   | 1.5 | 4.8 |
| 26    | 0.0 |     |     | 0.0 |     |     | 2   | 1.8 | 6.0 | ... |     |     |
| 27    | 2   | 1.0 | 3.6 | 2   | 1.6 | 3.0 | 2   | 1.6 | 3.6 | 2   | 1.0 | 4.2 |
| 28    | 2   | 1.5 | 4.2 | 2   | 2.1 | 3.6 | 2   | 2.1 | 3.6 | 2   | 2.1 | 3.6 |
| 29    | 2   | 2.1 | 3.6 | 2   | 1.6 | 3.6 | 2   | 1.5 | 4.2 | 2   | 2.1 | 3.6 |
| 30    | 2   | 1.6 | 3.6 | 2   | 1.6 | 3.6 | 2   | 1.0 | 4.8 | 2   | 1.0 | 4.2 |
| 31    | 2   | 1.0 | 4.2 | 2   | 1.0 | 3.6 | 2   | 2.8 | 2.4 | 3   | 1.0 | 4.2 |

AÑO GEOFISICO INTERNACIONAL  
 OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL  
 LA PLATA - REPUBLICA ARGENTINA



Deleg. Interventor: Dr. Reynaldo P. Cesco

B O L E T I N   S I S M O L O G I C O

Agosto 1958

ESTACION SISMOLOGICA:    LA PLATA

$\varphi = -34^{\circ} 54' 32''$      $\lambda = -57^{\circ} 55' 56''$

Instrumentos: E y N de Mainka 450 kg

Constantes

|   |                    |              |           |               |
|---|--------------------|--------------|-----------|---------------|
| E | $\epsilon = 4.4:1$ | $T = 8^{s}5$ | $V = 172$ | $r = 0,08$ cm |
| N | $\epsilon = 4.0:1$ | $T = 8^{s}3$ | $V = 154$ | $r = 0,13$ cm |

| N° | Día           | Comp. | Fase         | Hora  | T               | A   | Δ | Observaciones         |
|----|---------------|-------|--------------|---|-----------------|-----|---|-----------------------|
| 58 | <del>12</del> | E     | L            | 13 <sup>h</sup> 04 <sup>m</sup> 50 <sup>s</sup> | 26 <sup>s</sup> | 26  |   |                       |
|    |               |       | M            | 05 41   | 27              | 38  |   |                       |
|    |               |       | F            | Oculto por fuertes microsismos                  |                 |     |   |                       |
|    |               | N     | L            | 13 03 00  | 25              | 11  |   |                       |
|    |               |       | M            | 06 07   | 26              | 24  |   |                       |
|    |               |       | F            | Oculto por fuertes microsismos                  |                 |     |   |                       |
| 59 | <del>12</del> | E     | L            | 19 44 50  | 4               | 1   |   | USCGS: 9°5S 123°5E    |
|    |               |       | M            | 45 11   | 4               | 3   |   | H: 19h 04m 20s        |
|    |               |       | F            | 50  |                 |     |   |                       |
|    |               | N     | L            | 19 44 50  | 5               | 2   |   |                       |
|    |               |       | M            | 45 20   | 3               | 3   |   |                       |
|    |               |       | F            | 50  |                 |     |   |                       |
| 60 | 13            | E     | P            | 23 26 30  | 4               |     |   |                       |
|    |               |       | L            | 29 30   | 4               | 2   |   |                       |
|    |               |       | M            | 30 11   | 4               | 9   |   |                       |
|    |               |       | F            | 42  |                 |     |   |                       |
|    |               | N     |              | 23 26 50  | 4               |     |   |                       |
|    |               |       |              | 28 40   | 2               |     |   |                       |
|    |               |       | L            | 29 05   | 3               | 2   |   |                       |
|    |               |       | M            | 30 14   | 4               | 1.4 |   |                       |
|    |               |       | F            | 36  |                 |     |   |                       |
| 61 | <del>14</del> | E     | L            | 16 02 35  | 5               | 1   |   |                       |
|    |               |       | M            | 05 17   | 23              | 20  |   |                       |
|    |               |       | M            | 10 11   | 17              | 10  |   |                       |
|    |               |       | F            | 47  |                 |     |   |                       |
|    |               | N     | Sin registro |   |                 |     |   |                       |
| 62 | 15            | E     | ?            | 20 14 35  | 3               | 1   |   | USCGS: 53°N 160°5E    |
|    |               |       | L            | 59 40   | 40              | 38  |   | H: 19h 55m 39s        |
|    |               |       | M            | 21 10 55  | 25              | 19  |   | h <sub>av</sub> 60 km |
|    |               |       | F            | 22 34   |                 |     |   |                       |

Agosto de 1958

Continuación

(2)

| Nº    | Día | Comp. | Fase    | Hora  | T              | A   | Δ      | Observaciones   |
|-------|-----|-------|---------|---|----------------|-----|--------|---|
| 62    | 15  | N     | P' 1    | 20 <sup>h</sup> 15 <sup>m</sup> 35 <sup>s</sup> | 4 <sup>s</sup> | 2   |        |   |
| cont. |     |       | SKSP 2  | 35 50   | 6              | 1   |        |   |
|       |     |       | L 4     | 21 06 10  | 40             | 29  |        |   |
|       |     |       | M 5     | 09 59   | 28             | 35  |        |   |
|       |     |       | F       | 22 34   |                |     |        |   |
| 63    | 15  | E     | P' 1    | 22 48 50  | 5              | 3   | 15.300 | USCGS: 1°5'N 125°E<br>H: 22h 29m 17s<br>h = 200 km                  |
|       |     |       |         | 51 05   | 5              | 5   |        |   |
|       |     |       | PP 3    | 52 30   | 4              | 4   |        |   |
|       |     |       | SKS? 5  | 53 40   | 6              | 2   |        |   |
|       |     |       | PKKP? 6 | 59 50   | 16             | 9   |        |   |
|       |     |       | SS 7    | 23 10 30  | 23             | 21  |        |   |
|       |     |       | L 10    | 27 40   | 37             | 41  |        |   |
|       |     |       | M 11    | 37 49   | 28             | 36  |        |   |
|       |     |       | M 13    | 46 38   | 23             | 16  |        |   |
|       |     |       | F       | 24 27   |                |     |        |   |
|       |     | N     | P' 2    | 22 48 50  | 4y2            | 3y6 |        |   |
|       |     |       |         | 49 30   | 7              | 4   |        |   |
|       |     |       |         | 49 50   | 28             | 127 |        |   |
|       |     |       | PKS? 4  | 52 55   | 10             | 6   |        |   |
|       |     |       |         | 23 05 40  | 19             | 27  |        |   |
|       |     |       | SS 8    | 10 40   | 24             | 15  |        |   |
|       |     |       | SSS 9   | 15 55   | 29             | 22  |        |   |
|       |     |       | L 12    | 42 55   | 27             | 32  |        |   |
|       |     |       | M 14    | 48 04   | 23             | 22  |        |   |
|       |     |       | F       | 24 27   |                |     |        |   |
| 64    | 16  | E     | L 1     | 20 10 05  | 37             | 21  |        | USCGS: 34°5'N 48°E<br>H: 19h 13m 45s                                |
|       |     |       | M 2     | 15 29   | 32             | 31  |        |   |
|       |     |       | M 3     | 24 08   | 19             | 12  |        |   |
|       |     |       | F       | 21 40   |                |     |        |   |
|       |     | N     | L 2     | 20 06 35  | 29             |     |        | Registro débil, ocul-<br>to parcialmente por<br>fuertes microsismos |
|       |     |       | F       | 13 40   | 37             | 38  |        |   |
|       |     |       |         | 27  |                |     |        |   |
| 65    | 20  | E     | L       | 17 38 05  | 4              | 2   |        |   |
|       |     |       | M       | 38 40   | 4              | 5   |        |   |
|       |     |       | F       | 48  |                |     |        |   |
|       |     | N     | L       | 17 38 00  | 4              | 3   |        |   |
|       |     |       | M       | 38 17   | 4              | 6   |        |   |
|       |     |       | F       | 47  |                |     |        |   |
| 66    | 21  | E     | P       | 00 16 25  | 3              |     | 1.800  | Compresión<br>USCGS: 20°S 65°W<br>H: 00h 12m 53s<br>h ~ 300 km      |
|       |     |       | iS      | 19 11   | 4              | i=- |        |   |
|       |     |       |         | 20 35   | 3              | 5   |        |   |
|       |     |       | F       | 28  |                |     |        |   |
|       |     | N     | iP      | 00 16 25  | 2              | i=- |        |   |
|       |     |       | iS      | 19 11   | 4              | i=+ |        |   |
|       |     |       | F       | 28  |                |     |        |   |
| 67    | 24  | E     | P       | 04 26 40  | 3              |     | 1.100  |   |
|       |     |       | SS      | 28 55   | 4              |     |        |   |
|       |     |       | L       | 29 25   | 3              | 3   |        |   |
|       |     |       |         | 30 00   | 4              | 6   |        |   |
|       |     |       | M       | 30 06   | 4              | 16  |        |   |
|       |     |       | F       | 44  |                |     |        |   |

Agosto de 1958

Continuación

(3)



International  
Seismological  
Centre

| Nº    | Día | Comp. | Fase | Hora  | T              | A  | Δ     | Observaciones      |
|-------|-----|-------|------|---|----------------|----|-------|--------------------|
| 67    | 24  | N     | SSS  | 04 <sup>h</sup> 29 <sup>m</sup> 05 <sup>s</sup> | 4 <sup>s</sup> | 14 |       |                    |
| cont. |     |       | L    | 29 25   | 4              | 6  |       |                    |
|       |     |       | M    | 29 49   | 7              | 23 |       |                    |
|       |     |       | F    | 47  |                |    |       |                    |
| 68    | 28  | E     | P    | 09 38 30  | 3              |    | 1.100 | USCGS: 33°5S 69°5W |
|       |     |       | L    | 41 25   | 3              | 2  |       | H: 09h 36m 06s     |
|       |     |       | M    | 41 56   | 4              | 7  |       |                    |
|       |     |       | F    | 52  |                |    |       |                    |
|       |     | N     | L    | 09 39 05  | 2              |    |       |                    |
|       |     |       | M    | 41 10   | 3              | 2  |       |                    |
|       |     |       | F    | 41 49   | 3              | 14 |       |                    |
|       |     |       | F    | 54  |                |    |       |                    |

Prof. Ing. S. Gershanik  
Jefe del Departamento  
de Geofísica

LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Agosto 1958

Componente N-S

| Hora  | 0h  |     |     | 6h  |     |     | 12h |     |     | 18h |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Fecha | K   | A   | T   | K   | A   | T   | K   | A   | T   | K   | A   | T   |
| 1     | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 3.2 | 3   | 1.2 | 3.6 |
| 2     | 3   | 1.7 | 4.1 | 2   | 1.2 | 3.4 | 2   | 3.0 | 2.6 | 2   | 2.9 | 3.6 |
| 3     | 2   | 2.3 | 3.6 | 3   | 2.2 | 4.2 | 2   | 2.3 | 3.4 | 2   | 1.1 | 3.8 |
| 4     | 3   | 1.1 | 4.1 | 3   | 1.2 | 3.6 | 3   | 1.6 | 4.3 | 3   | 1.2 | 3.6 |
| 5     | 3   | 1.2 | 2.4 | 3   | 1.1 | 3.8 | 2   | 2.0 | 5.8 | 3   | 2.1 | 4.8 |
| 6     | 3   | 1.1 | 4.2 | 3   | 2.3 | 3.8 | 3   | 1.0 | 5.0 | 3   | 1.2 | 3.4 |
| 7     | 0.0 |     |     | 0.0 |     |     | 3   | 1.1 | 4.8 | 0.0 |     |     |
| 8     | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 7.2 | 3   | 1.0 | 4.8 |
| 9     | 3   | 1.1 | 4.8 | 3   | 1.0 | 5.8 | 3   | 1.7 | 3.8 | 3   | 2.5 | 2.4 |
| 10    | 3   | 1.7 | 3.8 | 3   | 2.2 | 4.6 | 1   | 2.3 | 5.0 | 3   | 1.7 | 3.8 |
| 11    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 3.8 | 3   | 1.2 | 3.5 |
| 12    | 0.0 |     |     | 0.0 |     |     | 3   | 1.1 | 3.6 | 3   | 1.2 | 3.0 |
| 13    | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 3.4 | 3   | 1.2 | 2.8 |
| 14    | 0.0 |     |     | 0.0 |     |     | 3   | 1.1 | 4.2 | 3   | 1.2 | 2.6 |
| 15    | 0.0 |     |     | 0.0 |     |     | 2   | 1.2 | 3.6 | 2   | 2.5 | 2.4 |
| 16    | 3   | 1.2 | 2.4 | 3   | 1.2 | 3.6 | 3   | 1.2 | 3.0 | 3   | 1.1 | 4.2 |
| 17    | 3   | 1.7 | 4.2 | 2   | 2.6 | 4.8 | 2   | 1.2 | 3.6 | 2   | 1.1 | 4.8 |
| 18    | 3   | 1.2 | 2.8 | 3   | 1.2 | 2.4 | 3   | 1.2 | 2.4 | 3   | 1.7 | 3.6 |
| 19    | 3   | 1.2 | 3.6 | 3   | 1.2 | 3.6 | 3   | 1.8 | 2.8 | 3   | 1.8 | 3.0 |
| 20    | 3   | 1.7 | 3.6 | 3   | 1.2 | 2.9 | 3   | 1.2 | 3.9 | 3   | 1.2 | 3.6 |
| 21    | 3   | 1.2 | 2.8 | 2   | 2.1 | 4.8 | 2   | 2.1 | 4.8 | 2   | 1.2 | 3.0 |
| 22    | 2   | 1.6 | 4.8 | 3   | 1.0 | 5.8 | 2   | 2.0 | 4.8 | 3   | 1.1 | 4.8 |
| 23    | 3   | 1.6 | 4.8 | 3   | 1.1 | 4.7 | 3   | 1.2 | 2.8 | 0.0 |     |     |
| 24    | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 3.0 | 0.0 |     |     |
| 25    | 0.0 |     |     | 3   | 1.2 | 3.0 | 2   | 2.4 | 3.8 | 2   | 1.7 | 3.6 |
| 26    | 2   | 1.2 | 3.0 | 3   | 1.2 | 3.6 | 3   | 1.1 | 4.6 | 3   | 1.1 | 4.6 |
| 27    | 3   | 1.2 | 2.8 | 3   | 1.2 | 2.8 | 2   | 1.7 | 3.5 | 2   | 1.1 | 4.6 |
| 28    | 3   | 1.1 | 4.4 | 3   | 1.2 | 2.9 | 2   | 2.4 | 3.6 | 2   | 2.1 | 5.0 |
| 29    | 2   | 1.0 | 5.8 | 3   | 1.0 | 5.6 | 2   | 2.0 | 4.6 | 3   | 1.1 | 4.6 |
| 30    | 3   | 1.7 | 3.9 | 0.0 |     |     | 3   | 1.1 | 3.8 | 3   | 1.1 | 3.8 |
| 31    | 3   | 1.1 | 3.8 | 0.0 |     |     | 3   | 1.1 | 3.8 | 3   | 1.1 | 3.8 |

LA PLATA - REPUBLICA ARGENTINA



ACTIVIDAD MICROSISMICA

Agosto 1958

Componente E-W

| Hora | 0h  |     |     | 6h  |     |     | 12h |     |     | 18h |     |     |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|      | K   | A   | T   | K   | A   | T   | K   | A   | T   | K   | A   | T   |
| 1    | 0.0 |     |     | 0.0 |     |     | 3   | 1.5 | 4.6 | 3   | 1.0 | 3.8 |
| 2    | 3   | 1.0 | 3.6 | 2   | 2.1 | 3.6 | 2   | 3.1 | 3.8 | 2   | 2.1 | 3.2 |
| 3    | 2   | 2.5 | 4.3 | 2   | 2.1 | 3.2 | 2   | 2.0 | 4.2 | 2   | 2.6 | 3.6 |
| 4    | 3   | 1.0 | 4.2 | 3   | 1.0 | 3.8 | 3   | 2.0 | 4.8 | 3   | 1.6 | 3.6 |
| 5    | 3   | 1.1 | 2.9 | 3   | 1.1 | 2.8 | 2   | 1.4 | 7.2 | 3   | 1.0 | 3.6 |
| 6    | 3   | 1.6 | 3.6 | 3   | 1.1 | 2.4 | 2   | 1.5 | 4.8 | 3   | 1.0 | 3.8 |
| 7    | 3   | 1.0 | 4.0 | 0.0 |     |     | 3   | 0.9 | 6.0 | 3   | 0.9 | 6.0 |
| 8    | 3   | 1.0 | 3.8 | 3   | 0.9 | 7.5 | 2   | 0.9 | 7.2 | 2   | 2.2 | 6.9 |
| 9    | 3   | 1.0 | 4.6 | 2   | 1.5 | 3.8 | 2   | 2.4 | 4.8 | 2   | 2.9 | 4.8 |
| 10   | 2   | 4.1 | 3.9 | 2   | 2.6 | 3.8 | 2   | 2.6 | 3.8 | 2   | 2.3 | 5.8 |
| 11   | 3   | 1.0 | 4.2 | 3   | 1.0 | 3.6 | 3   | 2.1 | 3.8 | 3   | 1.5 | 4.2 |
| 12   | 0.0 |     |     | 0.0 |     |     | 3   | 0.9 | 2.8 | 3   | 1.1 | 2.4 |
| 13   | 3   | 1.1 | 2.4 | 3   | 1.1 | 2.9 | 3   | 1.5 | 3.8 | 3   | 1.1 | 2.8 |
| 14   | 3   | 1.0 | 3.3 | 3   | 1.1 | 3.2 | 3   | 1.6 | 3.6 | 3   | 1.0 | 3.6 |
| 15   | 3   | 1.1 | 2.4 | 3   | 1.7 | 3.0 | 3   | 1.6 | 2.9 | 3   | 1.1 | 2.4 |
| 16   | 0.0 |     |     | 0.0 |     |     | 3   | 1.1 | 4.2 | 3   | 1.0 | 4.2 |
| 17   | 0.0 |     |     | 0.0 |     |     | 2   | 1.5 | 4.8 | 2   | 1.5 | 4.8 |
| 18   | 3   | 1.1 | 2.4 | 3   | 1.1 | 3.0 | 2   | 1.5 | 3.8 | 2   | 1.0 | 3.6 |
| 19   | 3   | 1.7 | 2.4 | 2   | 1.1 | 2.4 | 2   | 1.6 | 3.0 | 3   | 1.5 | 3.8 |
| 20   | 3   | 1.1 | 2.4 | 3   | 1.0 | 3.8 | 2   | 1.5 | 4.0 | 3   | 1.6 | 3.6 |
| 21   | 3   | 1.0 | 3.7 | 2   | 1.6 | 3.6 | 2   | 2.5 | 4.3 | 2   | 2.6 | 3.6 |
| 22   | 2   | 1.5 | 4.8 | 3   | 1.0 | 4.8 | 2   | 2.3 | 5.8 | 3   | 1.0 | 5.5 |
| 23   | 3   | 2.0 | 4.8 | 3   | 1.0 | 4.8 | 2   | 1.5 | 4.8 | 3   | 0.9 | 4.8 |
| 24   | 3   | 1.5 | 3.8 | 3   | 1.1 | 2.4 | 3   | 1.0 | 3.8 | 3   | 1.0 | 4.8 |
| 25   | 3   | 1.1 | 3.0 | 3   | 2.1 | 3.8 | 2   | 2.0 | 4.5 | 2   | 2.0 | 4.0 |
| 26   | 2   | 1.5 | 4.7 | 3   | 2.0 | 4.8 | 2   | 2.3 | 7.2 | 2   | 1.5 | 4.8 |
| 27   | 3   | 0.9 | 5.6 | 2   | 1.5 | 3.8 | 2   | 1.5 | 4.8 | 2   | 1.0 | 3.8 |
| 28   | 2   | 1.0 | 4.6 | 3   | 1.0 | 4.6 | 2   | 2.0 | 4.8 | 2   | 1.5 | 4.6 |
| 29   | 3   | 1.0 | 3.6 | 3   | 1.1 | 2.4 | 2   | 1.0 | 4.3 | 3   | 1.1 | 2.8 |
| 30   | 3   | 1.0 | 3.6 | 3   | 1.0 | 3.8 | 3   | 1.0 | 4.8 | 3   | 1.0 | 3.6 |
| 31   | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 3.8 | 3   | 1.0 | 3.8 |



AÑO GEOFISICO INTERNACIONAL  
 OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL  
 LA PLATA - REPUBLICA ARGENTINA



Deleg. Interventor: Dr. Reynaldo P. Cesco

B O L E T I N   S I S M O L O G I C O

Setiembre 1958

ESTACION SISMOLOGICA: LA PLATA

$\varphi = -34^{\circ} 54' 32''$     $\lambda = -57^{\circ} 55' 56''$

Instrumentos: E y N de Mainka 450 kg

Constantes

|   |                    |              |           |               |
|---|--------------------|--------------|-----------|---------------|
| E | $\epsilon = 4.4:1$ | $T = 8^{s}5$ | $V = 172$ | $r = 0,08$ cm |
| N | $\epsilon = 4.0:1$ | $T = 8^{s}3$ | $V = 154$ | $r = 0,13$ cm |

| N° | Día | Comp. | Fase                     | Hora  | T                         | A                           | $\Delta$ | Observaciones  |
|----|-----|-------|--------------------------|---|---------------------------|-----------------------------|----------|--|
| 69 | 1   | E     | ?<br>L?<br>M             | 14 <sup>h</sup> 40 <sup>m</sup> 55 <sup>s</sup><br>43 55<br>44 15 | 6 <sup>s</sup><br>12<br>7 |                             |          | USCGS: 18°S 65°W<br>H: 14h 30m 46s                     |
|    |     | N     | P?<br>L<br>M<br>F        | 14 35 00<br>40 55<br>43 00<br>43 40<br>15 08                      | 5<br>5<br>13<br>8         | 8<br>4                      |          |  |
| 70 | 4   | E     | iP<br>SSS<br>L<br>M<br>F | 21 53 40<br>56 10<br>56 50<br>57 43<br>22 59                      | 3<br>4<br>4<br>4          | i=-11;32<br>19<br>80<br>281 | 1.100    | USCGS: 33°5S 69°5W<br>H: 21h 51m 08s                   |
|    |     | N     | P?<br>iS<br>L<br>M<br>F  | 21 53 50<br>55 14<br>56 50<br>57 31<br>22 55                      | 4<br>4<br>4<br>4          | 2<br>i=+6;16<br>32<br>426   |          |  |
| 71 | 5   | E     | L<br>M<br>F              | 03 46 50<br>47 09<br>54   | 4<br>3                    | 4<br>6                      |          | USCGS: límite argen-<br>tino-chileno<br>H: 03h 41m 22s |
|    |     | N     | L<br>M<br>M<br>F         | 03 46 35<br>47 26<br>47 35<br>54                                  | 3<br>4<br>3               | 2<br>7<br>7                 |          |  |
| 72 | 5   | E     | PPP<br>L<br>M<br>F       | 06 15 50<br>18 20<br>18 22<br>25                                  | 4<br>3<br>3               | 3<br>9                      | 1.100    | USCGS: 34°S 70°W<br>H: 06h 12m 58s                     |

Prof. Ing. J. Gerónimo  
 Jefe de Departamento  
 de Geofísica

Setiembre de 1958

Continuación

(2)



| Nº    | Día | Comp. | Fase  | Hora  | T              | A      | Δ     | Observaciones        |
|-------|-----|-------|-------|---|----------------|--------|-------|----------------------|
| 72    | 5   | N     | S     | 06 <sup>h</sup> 17 <sup>m</sup> 20 <sup>s</sup> | 4 <sup>s</sup> | 4      |       |                      |
| cont. |     |       | L     | 18 00   | 4              | 4      |       |                      |
|       |     |       | M     | 18 34   | 4              | 12     |       |                      |
|       |     |       | F     | 27  |                |        |       |                      |
| 73    | 11  | E     | L     | 01 05 00  | 4              | 2      | 1.100 | Cordillera mendocina |
|       |     |       | M     | 06 07   | 3              | 5      |       |                      |
|       |     |       | F     | 15  |                |        |       |                      |
|       |     | N     | S     | 01 04 00  | 2              |        |       |                      |
|       |     |       | SSS   | 04 30   | 4              |        |       |                      |
|       |     |       | L     | 04 55   | 4              | 2      |       |                      |
|       |     |       | M     | 05 15   | 4              | 6      |       |                      |
|       |     |       | F     | 15  |                |        |       |                      |
| 74    | 18  | E     | L     | 20 04 20  | 6              | 1      |       | Fuertes microsismos  |
|       |     |       | M     | 04 31   | 4              | 4      |       |                      |
|       |     |       | F     | 08  |                |        |       |                      |
|       |     | N     | L     | 20 04 25  | 4              | 4      |       |                      |
|       |     |       | M     | 04 34   | 4              | 3      |       |                      |
|       |     |       | F     | 09  |                |        |       |                      |
| 75    | 19  | E     | L     | 23 14 30  | 3              | 2      | 1.200 |                      |
|       |     |       | M     | 15 02   | 3              | 3      |       |                      |
|       |     |       | F     | 19  |                |        |       |                      |
|       |     | N     | S?    | 23 13 00  | 4              |        |       |                      |
|       |     |       | L     | 14 00   | 4              | 1      |       |                      |
|       |     |       | M     | 14 52   | 3              | 3      |       |                      |
|       |     |       | F     | 22  |                |        |       |                      |
| 76    | 24  | E     | L     | 13 58 20  | 4              | 3      |       |                      |
|       |     |       | M     | 58 52   | 4              | 4      |       |                      |
|       |     |       | F     | 14 07   |                |        |       |                      |
|       |     | N     | L     | 13 58 25  | 3              | 2      |       |                      |
|       |     |       | M     | 58 43   | 4              | 6      |       |                      |
|       |     |       | F     | 14 06   |                |        |       |                      |
| 77    | 25  | E     | iP 1  | 07 28 28  | 2              | i=-1;2 | 5.200 | Compresión           |
|       |     |       |       | 28 55   | 3              | 2      |       | USCGS: 9°N 39°5W     |
|       |     |       | PP 3  | 30 20   | 5              | 2      |       | H: 07h 20m 01s       |
|       |     |       | S 5   | 35 10   | 7              | 3      |       |                      |
|       |     |       | ScS 7 | 38 25   | 10             | 3      |       |                      |
|       |     |       |       | 41 50   | 9              | 3      |       |                      |
|       |     |       | L 9   | 43 10   | 22             | 43     |       |                      |
|       |     |       | M 11  | 43 49   | 20             | 87     |       |                      |
|       |     |       | M 12  | 47 47   | 13             | 37     |       |                      |
|       |     |       | F     | 08 24   |                |        |       |                      |
|       |     | N     | iP 2  | 07 28 28  | 3              | i=-2;4 |       |                      |
|       |     |       |       | 28 55   | 4              | 3      |       |                      |
|       |     |       | PP 4  | 30 20   | 7              | 2      |       |                      |
|       |     |       | S 6   | 35 20   | 7              | 2      |       |                      |
|       |     |       | SS 8  | 38 40   | 9              | 3      |       |                      |
|       |     |       | L 10  | 43 10   | 23             | 47     |       |                      |
|       |     |       | M 13  | 47 58   | 14             | 61     |       |                      |
|       |     |       | F     | 08 27   |                |        |       |                      |

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*La Plata*



AÑO GEOFISICO INTERNACIONAL  
 OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL  
 LA PLATA - REPUBLICA ARGENTINA

Deleg. Interventor: Dr. Reynaldo P. Cesco  
 BOLETIN SISMOLOGICO

Octubre 1958

ESTACION SISMOLOGICA LA PLATA

$\varphi = -34^{\circ} 54' 32''$      $\lambda = -57^{\circ} 55' 56''$

Instrumentos: EyN de Mainka 450 Kg

Constantes

E  $\epsilon = 4.4:1$      $T_0 = 8s5$      $V = 172$      $r = 0.08$  cm  
 N  $\epsilon = 4.0:1$      $T_0 = 8s3$      $V = 154$      $r = 0.13$  cm

| N° | Día          | Comp. | Fase  | Hora   | T                             | A                          | $\Delta$ | Observaciones                                      |
|----|--------------|-------|---|--|-------------------------------|----------------------------|----------|--|
| 79 | <del>8</del> | E     | L<br>M<br>F   | 18 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup><br>52 21<br>57 | 5 <sup>s</sup><br>4           | 1 <sup>μ</sup><br>4        | km       | Ver al final del mes el terremoto N° 78            |
|    |              | N     | L<br>M<br>F   | 18 50 20<br>51 37<br>57  | 2<br>4                        | 1<br>5                     |          |  |
| 80 | <del>8</del> | E     | L<br>M<br>F   | 04 32 30<br>32 42<br>36  | 4<br>3                        | 1<br>3                     |          |  |
|    |              | N     | L<br>M<br>F   | 04 32 25<br>32 53<br>36  | 4<br>3                        | 2<br>3                     |          |  |
| 81 | 9            | E     | P <sup>2</sup><br>S <sup>5</sup><br>M <sup>7</sup><br>F   | 11 26 25<br>31 10<br>36 03<br>12 12                            | 4<br>8<br>20                  | 28                         | 3.300    | USCGS: 55°5S 27°5W<br>H: 11h 20: 17s<br>Compresión |
|    |              | N     | iP <sup>1</sup><br>PP <sup>3</sup><br>sS? <sup>4</sup><br>L <sup>6</sup><br>M <sup>6</sup><br>F | 11 26 24<br>27 25<br>30 50<br>32 25<br>34 30<br>39 03<br>12 12 | 4<br>4<br>8<br>12<br>17<br>15 | i=+<br><br><br><br>9<br>10 |          |  |
| 82 | 9            | E     | P<br>SS<br>L<br>M<br>F  | 14 45 05<br>48 00<br>49 25<br>49 44<br>54                      | 2<br>3<br>3<br>3              | 2<br>4                     | 1.500    |  |
|    |              | N     | P<br>SS<br>L<br>M<br>F  | 14 45 10<br>48 05<br>48 50<br>49 51<br>54                      | 5<br>6<br>10<br>4             | 1<br>3                     |          |  |

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| Nº | Día | Comp. | Fase             | Hora  | T              | A      | Δ     | Observaciones  |
|----|-----|-------|------------------|---|----------------|--------|-------|--|
| 83 | 11  | E     | iP <sup>1x</sup> | 14 <sup>h</sup> 40 <sup>m</sup> 49 <sup>s</sup> | 4 <sup>s</sup> | i=+4;5 | 1.450 | Ep. 24°2S 66°4W h=250<br>USCGS: 23°5S 65°W<br>H: 14h 37m 42s<br>h ~ 200 km |
|    |     |       | S <sup>2</sup>   | 43 05   | 6              | 5      |       |  |
|    |     |       | L <sup>4</sup>   | 43 40   | 8              | 3      |       |  |
|    |     |       | M <sup>7</sup>   | 45 39   | 4              | 9      |       |  |
|    |     |       | F                | 59  |                |        |       |  |
|    |     | N     | iP <sup>1x</sup> | 14 40 49  | 3              | i=-5;6 |       |  |
|    |     |       | S <sup>3</sup>   | 43 05   | 4              | 3      |       |  |
|    |     |       | L <sup>5</sup>   | 43 50   | 3              | 3      |       |  |
|    |     |       | M <sup>6</sup>   | 44 47   | 4              | 7      |       |  |
|    |     |       | F                | 59  |                |        |       |  |
| 84 | 18  | E     | L                | 16 22 40  | 4              |        |       |  |
|    |     |       | M                | 23 10   | 4              | 2      |       |  |
|    |     |       | F                | 24 31   | 3              | 4      |       |  |
|    |     | N     | S?               | 16 22 35  | 3              |        |       |  |
|    |     |       | L                | 23 10   | 3              | 2      |       |  |
|    |     |       | M                | 23 55   | 4              | 6      |       |  |

|    |   |   |                                    |          |    |        |                     |
|----|---|---|------------------------------------|----------|----|--------|---------------------|
| 78 | 2 | E | Indicios de T = 14s y A = 6μ 4.400 |          |    |        | Fuertes microsismos |
|    |   | N | iPP                                | 04 34 36 | 4  | i=+2;3 | USCGS: 58°S 9°5W    |
|    |   |   | S                                  | 39 00    | 9  | 2      | H: 04h 25m 27s      |
|    |   |   | L                                  | 41 40    | 21 | 15     |                     |
|    |   |   | M                                  | 42 57    | 21 | 19     |                     |
|    |   |   | F                                  | 58       |    |        |                     |

NOTA: El epicentro del terremoto N° 83 ha sido calculado en base a las horas de P de Tala Pozo, La Plata, M'Bour y Pasadena.

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La Plata - REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Octubre 1958

Componente E-W

| Hora  | 0h  |     |     | 6h  |     |     | 12h |     |     | 18h |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Fecha | K   | A   | T   | K   | A   | T   | K   | A   | T   | K   | A   | T   |
| 1     | 2   | 2.6 | 3.6 | 3   | 1.1 | 3.0 | 2   | 1.6 | 9.0 | 2   | 1.1 | 3.0 |
| 2     | 2   | 1.6 | 3.6 | 3   | 1.6 | 3.6 | 3   | 1.6 | 3.6 | 3   | 1.0 | 4.5 |
| 3     | 3   | 1.0 | 3.6 | 3   | 1.0 | 3.6 | 3   | 1.0 | 4.5 | 2   | 2.0 | 4.5 |
| 4     | 3   | 1.6 | 3.6 | 3   | 1.0 | 3.6 | 3   | 1.0 | 4.4 | 3   | 1.0 | 4.5 |
| 5     | 3   | 1.6 | 3.5 | 3   | 1.5 | 3.8 | 3   | 1.0 | 4.4 | 3   | 1.0 | 4.5 |
| 6     | 3   | 1.0 | 3.9 | 3   | 2.0 | 4.2 | 2   | 2.6 | 3.5 | 2   | 3.4 | 4.8 |
| 7     | 3   | 1.5 | 4.7 | 3   | 1.0 | 4.2 | 3   | 1.6 | 3.5 | 2   | 2.0 | 4.8 |
| 8     | 3   | 0.9 | 7.0 | 3   | 0.9 | 7.1 | ... |     |     | 2   | 1.4 | 5.9 |
| 9     | 3   | 1.0 | 4.7 | 3   | 0.9 | 7.6 | ... |     |     | 2   | 1.8 | 7.1 |
| 10    | 3   | 0.9 | 6.0 | 3   | 0.9 | 7.6 | 3   | 0.9 | 7.3 | 3   | 0.9 | 7.1 |
| 11    | 0.0 |     |     | 3   | 0.9 | 7.2 | 2   | 1.4 | 7.3 | 3   | 1.1 | 3.0 |
| 12    | 3   | 1.1 | 3.0 | 3   | 1.0 | 3.6 | 3   | 1.0 | 3.5 | 3   | 1.0 | 3.6 |
| 13    | 3   | 1.1 | 3.4 | 0.0 |     |     | 3   | 1.5 | 4.3 | 3   | 0.9 | 7.1 |
| 14    | 3   | 0.9 | 5.3 | 3   | 0.9 | 5.9 | 2   | 2.4 | 8.4 | 3   | 0.9 | 7.1 |
| 15    | 3   | 1.4 | 7.2 | 3   | 0.9 | 7.2 | 2   | 1.9 | 7.8 | 2   | 1.4 | 7.7 |
| 16    | 2   | 0.9 | 7.0 | 2   | 0.9 | 7.2 | 2   | 1.8 | 7.2 | 2   | 0.9 | 7.8 |
| 17    | 3   | 0.9 | 7.1 | 3   | 0.9 | 7.2 | 2   | 1.8 | 7.1 | 3   | 0.9 | 7.2 |
| 18    | 3   | 1.0 | 4.7 | 3   | 1.0 | 4.8 | 2   | 0.9 | 7.2 | 3   | 1.0 | 3.5 |
| 19    | 0.0 |     |     | 0.0 |     |     | 3   | 0.9 | 5.4 | 3   | 1.0 | 4.8 |
| 20    | 3   | 1.0 | 4.8 | 3   | 0.9 | 5.3 | 2   | 1.3 | 6.7 | 3   | 1.0 | 4.0 |
| 21    | 3   | 1.0 | 3.7 | 3   | 1.1 | 2.3 | 3   | 1.4 | 6.0 | 3   | 1.1 | 3.2 |
| 22    | 3   | 1.0 | 3.6 | 3   | 1.0 | 4.8 | 3   | 1.1 | 3.4 | 3   | 1.0 | 3.5 |
| 23    | 3   | 1.0 | 3.7 | 3   | 1.6 | 3.6 | 2   | 1.0 | 3.4 | 2   | 1.6 | 3.7 |
| 24    | 3   | 1.6 | 3.1 | 3   | 1.1 | 3.2 | ... | 2.6 | 3.5 | 3   | 1.6 | 3.9 |
| 25    | 3   | 1.1 | 2.5 | 3   | 1.1 | 3.0 | 3   | 1.1 | 2.9 | 3   | 1.0 | 3.8 |
| 26    | 3   | 1.1 | 3.4 | 0.0 | 0.9 | 7.1 | 3   | 1.0 | 4.0 | 0.0 | 1.4 | 5.9 |
| 27    | 0.0 | 1.0 | 4.7 | 0.0 | 0.9 | 7.6 | 0.0 |     |     | 0.0 | 1.8 | 7.1 |
| 28    | 0.0 | 0.9 | 6.0 | 0.0 | 0.9 | 7.6 | 0.0 | 0.9 | 7.3 | 0.0 | 0.9 | 7.1 |
| 29    | 0.0 |     |     | 0.0 | 0.9 | 7.6 | 3   | 1.6 | 3.5 | 3   | 1.0 | 3.4 |
| 30    | 3   | 1.1 | 3.1 | 3   | 1.1 | 2.3 | 3   | 1.1 | 3.2 | 3   | 1.1 | 2.9 |
| 31    | 3   | 1.1 | 2.2 | 3   | 1.1 | 3.2 | 3   | 1.0 | 3.7 | 3   | 1.0 | 3.8 |

LA PLATA - REPÚBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Octubre 1958

Componente N-S



| Hora  | 0h  |     |     | 6h  |     |     | 12h |     |     | 18h |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Fecha | K   | A   | T   | K   | A   | T   | K   | A   | T   | K   | A   | T   |
| 1     | 2   | 2.8 | 4.2 | 3   | 1.2 | 2.4 | 2   | 2.2 | 4.2 | 3   | 1.1 | 4.2 |
| 2     | 3   | 1.1 | 4.1 | 3   | 2.1 | 4.7 | 2   | 1.6 | 4.7 | 2   | 1.1 | 3.7 |
| 3     | 3   | 1.2 | 3.6 | 3   | 1.1 | 4.7 | 3   | 1.2 | 3.6 | 3   | 1.1 | 4.8 |
| 4     | 3   | 1.2 | 3.0 | 0.0 |     |     | 3   | 1.2 | 3.0 | 0.0 |     |     |
| 5     | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 3.6 | 0.0 |     |     |
| 6     | 0.0 |     |     | 3   | 1.2 | 3.6 | 2   | 3.1 | 4.9 | 2   | 2.2 | 4.2 |
| 7     | 3   | 1.1 | 4.7 | 3   | 1.6 | 4.8 | 0.0 |     |     | 0.0 |     |     |
| 8     | 0.0 |     |     | 0.0 |     |     | ... |     |     | 3   | 1.0 | 6.9 |
| 9     | 0.0 |     |     | 0.0 |     |     | ... |     |     | 0.0 |     |     |
| 10    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 11    | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 3.5 | 3   | 1.2 | 3.1 |
| 12    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 13    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 5.9 | 3   | 1.0 | 5.4 |
| 14    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 7.1 | 0.0 |     |     |
| 15    | 0.0 |     |     | 0.0 |     |     | 3   | 1.5 | 7.6 | 0.0 |     |     |
| 16    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 7.6 | 3   | 1.0 | 6.5 |
| 17    | 0.0 |     |     | 0.0 |     |     | 3   | 1.5 | 7.9 | 0.0 |     |     |
| 18    | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 3.6 | 3   | 1.2 | 3.0 |
| 19    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 20    | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 2.2 | 0.0 |     |     |
| 21    | 0.0 |     |     | 3   | 1.2 | 2.9 | 3   | 1.2 | 2.8 | 3   | 1.2 | 2.6 |
| 22    | 3   | 1.2 | 3.0 | 3   | 1.1 | 4.8 | 3   | 1.1 | 4.0 | 3   | 1.2 | 3.4 |
| 23    | 3   | 1.2 | 3.1 | 3   | 1.2 | 3.5 | 3   | 1.1 | 3.8 | 3   | 3.4 | 3.7 |
| 24    | 3   | 1.2 | 2.4 | 3   | 1.2 | 2.8 | 3   | 1.7 | 4.0 | 3   | 1.2 | 3.0 |
| 25    | 3   | 1.1 | 3.7 | 0.0 |     |     | 3   | 1.0 | 4.9 | 3   | 1.2 | 3.4 |
| 26    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 27    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 28    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 29    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 30    | 3   | 1.2 | 2.9 | 3   | 1.8 | 3.2 | 3   | 1.2 | 2.8 | 3   | 1.2 | 2.8 |
| 31    | 0.0 |     |     | 3   | 1.2 | 3.2 | 3   | 1.1 | 4.6 | 3   | 1.1 | 4.6 |

AÑO GEOFISICO INTERNACIONAL

OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL

LA PLATA - REPUBLICA ARGENTINA

Deleg. Interventor: Dr. Reynaldo P. Cesco

BOLETIN SISMOLOGICO

Noviembre 1958

ESTACION SISMOLOGICA LA PLATA

$\phi = -34^{\circ} 54' 32''$   $\lambda = -57^{\circ} 55' 56''$

Instrumentos: EyN de Mainka 450 Kg

Constantes

|   |                    |         |         |             |
|---|--------------------|---------|---------|-------------|
| E | $\epsilon = 4.4:1$ | T = 8s5 | V = 172 | r = 0.08 cm |
| N | $\epsilon = 4.0:1$ | T = 8s3 | V = 154 | r = 0.13    |

| N°             | Día   | Comp. | Fase | Hora  | T               | A    | $\Delta$ | Observaciones   |
|----------------|-------|-------|------|---|-----------------|------|----------|---|
| 85             | 4     | E     | L    | 23 <sup>h</sup> 13 <sup>m</sup> 00 <sup>s</sup> | 18 <sup>s</sup> | 1    |          | USCGS: 50°S 115°W<br>H: 22h 54m 46s                     |
|                |       |       | M    | 16 07   | 8               | 1    |          |   |
|                |       |       | M    | 17 34   | 8               | 1    |          |   |
|                |       |       |      | F   | 27              |      |          |   |
|                |       | N     | L    | 23 13 20  | 13              | 1    |          |   |
|                |       |       | M    | 15 56   | 9               | 3    |          |   |
| M              | 18 41 |       | 8    | 5   |                 |      |          |   |
|                |       | F     | 36   |   |                 |      |          |   |
| 86             | 7     | E     | P    | 23 18 00  | 3               | 3    | 17.500   | USCGS: 44°5' N 148°5' E<br>H: 22h 58m 10s<br>h = 100 km |
|                |       |       | PP   | 22 10   | 4               | 13   |          |   |
|                |       |       |      | 24 10   | 9               | 8    |          |   |
|                |       |       | PPP  | 25 55   | 17              | 37   |          |   |
|                |       |       |      | 26 25   | 11              | 14   |          |   |
|                |       |       |      | 27 10   | 14              | 35   |          |   |
|                |       |       | SKKS | 29 30   | 11              | 19   |          |   |
|                |       |       | SKKS | 31 50   | 26              | 104  |          |   |
|                |       |       |      | 34 10   | 14              | 31   |          |   |
|                |       |       | PPS? | 35 25   | 26              | 130  |          |   |
|                |       |       | SS   | 42 05   | 21              | 80   |          |   |
|                |       |       | SSS  | 47 40   | 35              | 251  |          |   |
|                |       |       | L    | 58 30   | 65              | 1535 |          |   |
|                |       |       | M    | 00 06 47  | 76              | 2505 |          |   |
|                |       |       | L    | 12 00   | 37              | 309  |          |   |
| M <sup>R</sup> | 21 10 | 20    | 388  |   |                 |      |          |   |
| M              | 39 59 | 23    | 392  |   |                 |      |          |   |
|                |       | F     | 54   |   |                 |      |          |   |

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| Nº    | Día | Comp. | Fase               | Hora  | T              | A              | Δ      | Observaciones       |
|-------|-----|-------|--------------------|---|----------------|----------------|--------|---------------------|
| 86    | 7   | N     | P <sup>1</sup>     | 23 <sup>h</sup> 18 <sup>m</sup> 00 <sup>s</sup> | 5 <sup>s</sup> | 2 <sup>h</sup> |        |                     |
| Cont. |     |       | SKKS               | 29 30   | 11             | 15             |        |                     |
|       |     |       | PPS?               | 35 35   | 11             | 8              |        |                     |
|       |     |       | SS                 | 42 05   | 40             | 840            |        |                     |
|       |     |       | SSS                | 47 40   | 29             | 147            |        |                     |
|       |     |       | L?                 | 57 40   | 40             | 766            |        |                     |
|       |     |       |                    | 00 02 40  | 44             | 542            |        |                     |
|       |     |       | L <sub>R</sub>     | 11 40   | 41             | 313            |        |                     |
|       |     |       | M <sub>R</sub>     | 31 43   | 22             | 356            |        |                     |
|       |     |       | M                  | 42 36   | 21             | 360            |        |                     |
|       |     |       | F                  | 01 16   |                |                |        |                     |
| 87    | 11  | E     | PPP?               | 22 42 55  | 4              |                |        | USCGS: 22°S 69°W    |
|       |     |       | L                  | 46 40   | 4              | 1              |        | H: 22h 37m 46s      |
|       |     |       | M                  | 47 16   | 3              | 3              |        |                     |
|       |     |       | F                  | 54  |                |                |        |                     |
|       |     | N     | SSS?               | 22 46 00  | 2              |                |        |                     |
|       |     |       | L                  | 47 00   | 4              | 1              |        |                     |
|       |     |       | M                  | 47 05   | 3              | 4              |        |                     |
|       |     |       | F                  | 54  |                |                |        |                     |
| 88    | 12  | E     | P <sup>1</sup> ? 2 | 20 43 55  | 5              | 1              | 17.500 | USCGS: 44°5N 148°5E |
|       |     |       | PKS? 4             | 46 30   | 12             | 3              |        | H: 20h 23m 26s      |
|       |     |       | SKS 5              | 50 20   | 12             | 3              |        |                     |
|       |     |       | SKKS 8             | 57 35   | 12             | 3              |        |                     |
|       |     |       |                    | 21 06 40  | 18             | 7              |        |                     |
|       |     |       | SSS 10             | 14 35   | 18             | 9              |        |                     |
|       |     |       | L 12               | 36 55   | 31             | 21             |        |                     |
|       |     |       | L <sub>R</sub> 14  | 44 30   | 18             | 11             |        |                     |
|       |     |       | M <sub>R</sub> 16  | 45 18   | 20             | 28             |        |                     |
|       |     |       | M 19               | 22 19 32  | 16             | 11             |        |                     |
|       |     |       | F                  | 23 07   |                |                |        |                     |
|       |     | N     | P <sup>1</sup> 1   | 20 43 30  | 5              | 1              |        |                     |
|       |     |       | PKS? 3             | 46 20   | 4y6            | 2y1            |        |                     |
|       |     |       |                    | 48 50   | 6              | 2              |        |                     |
|       |     |       | PPP 6              | 51 30   | 12             | 3              |        |                     |
|       |     |       | SKKS 7             | 54 10   | 12             | 3              |        |                     |
|       |     |       | SS 1               | 21 07 35  | 20             | 10             |        |                     |
|       |     |       |                    | 11 10   | 17             | 9              |        |                     |
|       |     |       | SSS 11             | 15 05   | 23             | 13             |        |                     |
|       |     |       | L 13               | 38 25   | 23             | 9              |        |                     |
|       |     |       | M 15               | 44 32   | 21             | 19             |        |                     |
|       |     |       | M 17               | 50 23   | 21             | 19             |        |                     |
|       |     |       | M 18               | 22 07 06  | 19             | 27             |        |                     |
|       |     |       | F                  | 23 05   |                |                |        |                     |
| 89    | 19  | E     | iS                 | 01 38 54  | 3              | i=+            | 1.000  | USCGS: 27°5S 63°5W  |
|       |     |       | F                  | 47  |                |                |        | H: 01h 35m 16s      |
|       |     | N     | iP                 | 01 37 15  | 3              | i=+            |        | Compresión          |
|       |     |       | iS                 | 38 54   | 4              | i=+            |        |                     |
|       |     |       | F                  | 59  |                |                |        |                     |
| 90    | 24  | E     | P 1                | 06 54 00  | 3              |                | 2.600  | USCGS: 57°5S 65°5W  |
|       |     |       | PPP 3              | 54 50   | 3              |                |        | H: 06h 48m 57s      |
|       |     |       |                    | 55 30   | 3              |                |        |                     |
|       |     |       | S 5                | 58 25   | 4              |                |        |                     |
|       |     |       |                    | 07 00 00  | 29             |                |        |                     |
|       |     |       | L 6                | 03 20   | 16             | 11             |        |                     |
|       |     |       | M 8                | 05 16   | 14             | 7              |        |                     |
|       |     |       | F                  | 23  |                |                |        |                     |

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Noviembre de 1958

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| N°          | Día           | Comp. | Fase           | Hora  | T              | A   | Δ | Observaciones |
|-------------|---------------|-------|----------------|---|----------------|-----|---|---------------|
| 90<br>Cont. | 24            | N     | P              | 06 <sup>h</sup> 54 <sup>m</sup> 05 <sup>s</sup> | 3 <sup>s</sup> | 1   |   |               |
|             |               |       | iS             | 56 50   | 2              |     |   |               |
|             |               |       | L              | 58 25   | 4              | i=- |   |               |
|             |               |       | M              | 07 03 55  | 11             | 5   |   |               |
|             |               |       | F              | 05 57   | 12             | 5   |   |               |
|             |               |       |                | 25  |                |     |   |               |
| 91          | <del>28</del> | E     | L              | 07 32 55  | 3              | 1   |   |               |
|             |               |       | L              | 33 30   | 4              | 2   |   |               |
|             |               |       | M <sup>R</sup> | 34 01   | 4              | 3   |   |               |
|             |               |       | F              | 37  |                |     |   |               |
|             |               | N     | L              | 07 33 00  | 5              | 2   |   |               |
|             |               |       | M              | 33 37   | 3              | 8   |   |               |
|             |               |       | F              | 36  |                |     |   |               |

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LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Noviembre 1958

Componente R-W

| Fecha | 0h  |     |     | 6h  |     |     | 12h |     |     | 18h |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|       | K   | A   | T   | K   | A   | T   | K   | A   | T   | K   | A   | T   |
| 1     | 0.0 |     |     | 0.0 |     |     | 3   | 1.5 | 4.8 | 0.0 |     |     |
| 2     | 0.0 |     |     | 0.0 |     |     | ... |     |     | ... |     |     |
| 3     | 3   | 1.5 | 4.7 | 0.0 |     |     | 2   | 1.6 | 3.5 | 2   | 2.1 | 3.3 |
| 4     | 2   | 2.2 | 2.9 | 2   | 2.6 | 3.8 | 2   | 2.6 | 3.3 | 2   | 2.6 | 3.6 |
| 5     | 2   | 2.5 | 3.9 | 2   | 2.4 | 5.4 | 2   | 2.6 | 3.8 | 2   | 2.6 | 3.6 |
| 6     | 3   | 1.6 | 3.6 | 0.0 |     |     | 3   | 1.6 | 3.6 | 0.0 |     |     |
| 7     | ... |     |     | 0.0 |     |     | 3   | 1.4 | 7.2 | 3   | 1.0 | 4.4 |
| 8     | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 3.8 | 3   | 1.1 | 2.6 |
| 9     | 3   | 1.0 | 3.5 | 2   | 2.1 | 3.9 | 2   | 2.0 | 4.0 | 3   | 1.5 | 2.8 |
| 10    | 3   | 1.6 | 3.8 | 3   | 2.1 | 3.5 | 3   | 1.6 | 3.6 | 3   | 2.1 | 3.6 |
| 11    | 0.0 |     |     | 0.0 |     |     | 3   | 1.5 | 4.6 | 0.0 |     |     |
| 12    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 13    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 14    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 3.6 | 3   | 1.6 | 3.6 |
| 15    | 0.0 |     |     | 0.0 |     |     | 3   | 1.6 | 3.6 | 3   | 1.6 | 3.3 |
| 16    | 3   | 1.4 | 5.4 | 3   | 1.6 | 3.6 | 3   | 1.0 | 3.6 | 3   | 1.0 | 3.6 |
| 17    | 2   | 2.1 | 3.6 | 3   | 1.0 | 3.6 | 3   | 1.0 | 3.6 | 3   | 1.0 | 3.8 |
| 18    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 4.6 | 3   | 1.0 | 4.3 |
| 19    | 0.0 |     |     | 3   | 1.0 | 3.7 | 3   | 1.1 | 2.4 | 3   | 1.0 | 3.6 |
| 20    | 3   | 1.1 | 3.4 | 0.0 |     |     | 3   | 1.0 | 4.6 | 3   | 1.1 | 2.4 |
| 21    | 3   | 1.6 | 3.6 | 0.0 |     |     | 3   | 1.6 | 3.4 | 3   | 1.0 | 3.6 |
| 22    | 3   | 1.1 | 2.8 | 0.0 |     |     | 3   | 1.0 | 3.6 | 0.0 |     |     |
| 23    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 24    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 3.5 | 0.0 |     |     |
| 25    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 4.8 | 3   | 1.1 | 4.5 |
| 26    | 3   | 1.1 | 4.6 | 0.0 |     |     | 3   | 1.0 | 3.8 | 0.0 |     |     |
| 27    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 28    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 29    | 0.0 |     |     | 0.0 |     |     | 3   | 1.0 | 3.8 | 0.0 |     |     |
| 30    | 3   | 1.0 | 3.6 | 3   | 1.1 | 2.6 | 3   | 1.0 | 4.0 | 0.0 |     |     |

LA PLATA - REPUBLICA ARGENTINA

Actividad Microsísmica

Noviembre 1958

Componente N-S

| Hora  | 0h  |     |     | 6h  |     |     | 12h |     |     | 18h |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Fecha | K   | A   | T   | K   | A   | T   | K   | A   | T   | K   | A   | T   |
| 1     | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 3.6 | 0.0 |     |     |
| 2     | 0.0 |     |     | 0.0 |     |     | ... |     |     | ... |     |     |
| 3     | 0.0 |     |     | 0.0 |     |     | 3   | 2.3 | 3.4 | 2   | 1.7 | 3.6 |
| 4     | 2   | 1.7 | 3.6 | 3   | 2.4 | 3.2 | 2   | 2.9 | 3.6 | 2   | 2.4 | 3.1 |
| 5     | 2   | 2.7 | 4.4 | 2   | 2.8 | 3.7 | 2   | 2.8 | 4.3 | 3   | 1.6 | 4.6 |
| 6     | 3   | 1.6 | 4.5 | 3   | 1.2 | 4.4 | 3   | 1.6 | 4.8 | 3   | 1.6 | 4.2 |
| 7     | ... |     |     | 3   | 1.7 | 3.6 | 2   | 1.4 | 6.4 | 0.0 |     |     |
| 8     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 3   | 1.1 | 3.7 |
| 9     | 3   | 1.2 | 4.4 | 3   | 1.8 | 3.6 | 2   | 2.4 | 2.4 | 3   | 1.7 | 3.4 |
| 10    | 3   | 2.3 | 3.5 | 3   | 1.6 | 4.8 | 2   | 2.7 | 4.4 | 3   | 2.1 | 3.6 |
| 11    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 12    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 13    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 14    | 0.0 |     |     | 0.0 |     |     | 3   | 2.3 | 2.4 | 0.0 |     |     |
| 15    | 0.0 |     |     | 0.0 |     |     | 3   | 1.7 | 3.6 | 3   | 1.8 | 3.2 |
| 16    | 3   | 1.2 | 4.6 | 3   | 1.1 | 5.0 | 3   | 1.7 | 3.5 | 3   | 1.7 | 3.5 |
| 17    | 3   | 1.2 | 3.5 | 3   | 1.2 | 2.6 | 3   | 1.7 | 4.0 | 0.0 |     |     |
| 18    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 19    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 20    | 0.0 |     |     | 0.0 |     |     | 3   | 1.7 | 3.8 | 3   | 1.8 | 2.8 |
| 21    | 3   | 1.2 | 3.4 | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 22    | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 3.6 | 0.0 |     |     |
| 23    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 24    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 25    | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 3.6 | 3   | 1.2 | 3.2 |
| 26    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 27    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 28    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 29    | 0.0 |     |     | 0.0 |     |     | 3   | 1.7 | 4.0 | 0.0 |     |     |
| 30    | 3   | 1.2 | 3.2 | 3   | 1.2 | 3.2 | 3   | 1.2 | 3.0 | 3   | 1.1 | 3.8 |

AÑO GEOFISICO INTERNACIONAL  
OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL



LA PLATA - REPUBLICA ARGENTINA  
Deleg. Interventor: Dr. Reynaldo P. Cesco

BOLETIN SISMOLOGICO

Diciembre  
1958

ESTACION SISMOLOGICA: LA PLATA

$\varphi = -34^{\circ} 54' 32''$   $\lambda = -57^{\circ} 55' 56''$

Instrumentos: E y N de Mainka 450 Kg

.Constantes

|   |                    |         |         |             |
|---|--------------------|---------|---------|-------------|
| E | $\epsilon = 5.6:1$ | T = 8s4 | V = 155 | r = 0,10 cm |
| N | $\epsilon = 4.4:1$ | T = 8s2 | V = 156 | r = 0,09 cm |

| N° | Día | Comp. | Fase            | Hora  | T  | A              | $\Delta$ | Observaciones                                       |
|----|-----|-------|-----------------|---|----|----------------|----------|---|
| 92 | 10  | E     | SKKS            | 07 <sup>h</sup> 25 <sup>m</sup> 40 <sup>s</sup> 10 <sup>s</sup> |    | 8 <sup>H</sup> |          | USCGS: 37°S 176°5 E<br>H: 07h 02m 59s<br>h = 300 km |
|    |     |       | S?              | 26 20   | 4  | 37             |          |   |
|    |     |       | F               | 58  |    |                |          |   |
|    |     | N     | SKKS            | 07 25 40  | 9  | 12             |          |   |
|    |     |       | PS              | 27 25   | 6  | 2              |          |   |
|    |     |       | SS              | 32 10   | 14 | 7              |          |   |
|    |     |       | F               | 08 03   |    |                |          |   |
| 93 | 14  | E     | L <sup>1</sup>  | 07 31 25  | 34 | 20             |          | USCGS: 35°S 108°5 W<br>H: 07h 11m 28s               |
|    |     |       | M <sup>3</sup>  | 33 05   | 19 | 22             |          |   |
|    |     |       | F               | 53  |    |                |          |   |
|    |     | N     | L <sup>2</sup>  | 07 32 05  | 22 | 9              |          |   |
|    |     |       | M <sup>4</sup>  | 33 25   | 19 | 15             |          |   |
|    |     |       | F               | 56  |    |                |          |   |
| 94 | 16  | E     | L               | 19 13 50  | 3  | 2              |          |   |
|    |     |       | M               | 14 12   | 4  | 3              |          |   |
|    |     |       | F               | 17  |    |                |          |   |
|    |     | N     | L               | 19 13 35  | 3  | 2              |          |   |
|    |     |       | M               | 13 47   | 3  | 3              |          |   |
|    |     |       | F               | 18  |    |                |          |   |
| 95 | 19  | E     | P               | 11 19 40  | 3  |                | 2.600    | USCGS: 16°S 72°W<br>H: 11h 14m 40s<br>h = 100 km    |
|    |     |       | S               | 23 40   | 14 |                |          |   |
|    |     |       | F               | 31  |    |                |          |   |
|    |     | N     | P               | 11 19 40  | 3  |                |          |   |
|    |     |       | S               | 23 40   | 12 |                |          |   |
|    |     |       | F               | 36  |    |                |          |   |
| 96 | 30  | E     | PP <sup>1</sup> | 08 47 05  | 3  | 1              | 4.400    | USCGS: 35°5S 105°5 W<br>H: 08 37m 56s               |
|    |     |       | S <sup>2</sup>  | 51 25   | 3  | 2              |          |   |
|    |     |       | M <sup>6</sup>  | 54 33   | 16 | 6              |          |   |
|    |     |       | F               | 09 23   |    |                |          |   |
|    |     | N     | S? <sup>3</sup> | 08 51 30  | 4  | 2              |          |   |
|    |     |       | L <sup>4</sup>  | 54 05   | 8  | 1              |          |   |
|    |     |       | M <sup>5</sup>  | 54 41   | 14 | 6              |          |   |
|    |     |       | F               | 09 22   |    |                |          |   |

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LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Diciembre 1958

Componente N-S



| Hora  | 0h  |     |     | 6h  |     |     | 12h |     |     | 18h |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Fecha | K   | A   | T   | K   | A   | T   | K   | A   | T   | K   | A   | T   |
| 1     | 3   | 1.1 | 3.7 | 3   | 1.7 | 3.5 | 2   | 2.3 | 3.7 | 2   | 2.2 | 4.6 |
| 2     | 2   | 1.7 | 3.7 | 3   | 1.1 | 4.6 | 3   | 1.2 | 2.8 | 2   | 1.1 | 4.0 |
| 3     | 3   | 1.2 | 2.8 | 0.0 |     |     | 3   | 1.1 | 3.8 | 3   | 1.2 | 3.4 |
| 4     | 3   | 1.2 | 3.5 | 3   | 1.2 | 3.4 | ... |     |     | ... |     |     |
| 5     | ... |     |     | 3   | 1.2 | 3.4 | 3   | 1.1 | 3.9 | 3   | 1.2 | 3.2 |
| 6     | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 3.5 | 3   | 1.2 | 2.9 |
| 7     | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 2.3 | 3   | 1.1 | 4.0 |
| 8     | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 3.4 | 3   | 1.2 | 3.2 |
| 9     | 3   | 1.2 | 3.2 | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 10    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 11    | 0.0 |     |     | 0.0 |     |     | 2   | 1.2 | 2.8 | 3   | 1.2 | 2.9 |
| 12    | 3   | 1.2 | 3.2 | 0.0 |     |     | 3   | 1.2 | 2.6 | 3   | 1.1 | 3.8 |
| 13    | 3   | 1.2 | 2.3 | 2   | 1.8 | 2.2 | 3   | 1.2 | 2.4 | 3   | 1.7 | 3.2 |
| 14    | 3   | 1.2 | 2.9 | 3   | 1.2 | 3.5 | 2   | 2.3 | 3.4 | 2   | 1.7 | 3.4 |
| 15    | 3   | 1.1 | 3.9 | 3   | 1.2 | 3.2 | 2   | 1.2 | 3.7 | 2   | 1.1 | 3.8 |
| 16    | 0.0 |     |     | 0.0 |     |     | 2   | 1.2 | 3.4 | 3   | 1.2 | 2.4 |
| 17    | 3   | 1.2 | 2.8 | 0.0 |     |     | 3   | 1.2 | 3.4 | 3   | 1.1 | 3.7 |
| 18    | 0.0 |     |     | 2   | 1.6 | 4.6 | 2   | 2.9 | 3.4 | 3   | 1.1 | 3.8 |
| 19    | 3   | 1.2 | 3.1 | 0.0 |     |     | 3   | 1.2 | 3.4 | 3   | 1.2 | 2.9 |
| 20    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 21    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 22    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 23    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 24    | 0.0 |     |     | 3   | 1.2 | 2.2 | 3   | 1.2 | 3.2 | 0.0 |     |     |
| 25    | 0.0 |     |     | 0.0 |     |     | 3   | 1.2 | 2.3 | 0.0 |     |     |
| 26    | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     | 0.0 |     |     |
| 27    | 0.0 |     |     | 0.0 |     |     | ... |     |     | ... |     |     |
| 28    | 0.0 |     |     | 3   | 1.2 | 3.5 | 3   | 1.2 | 3.4 | 3   | 1.2 | 2.3 |
| 29    | 3   | 1.2 | 3.0 | 3   | 1.2 | 3.1 | 2   | 1.2 | 2.3 | 2   | 1.2 | 2.4 |
| 30    | 2   | 1.2 | 2.4 | 2   | 1.1 | 3.5 | 2   | 1.8 | 2.4 | 2   | 1.2 | 3.2 |
| 31    | 3   | 1.2 | 3.4 | 3   | 1.2 | 2.2 | 3   | 1.2 | 2.3 | 0.0 |     |     |