

# INSTITUTO GEOGRÁFICO Y CATASTRAL

## OBSERVATORIO SISMOLÓGICO DE MALAGA

### RESUMEN MENSUAL DE LAS OBSERVACIONES SISMOLÓGICAS

Mes de   M A Y O   de 19  60  

#### CONSTANTES

L = 36° 43' 39" N.  
 M = 4° 24' 40" W Gr.  
 a = 60,3 m  
 g = 9,799  
 Caliza triásica

| Sismógrafo                   | Componente | Masa<br>Kgs. | Período<br>To. | Ampliación<br>V | Rozamiento<br>$\frac{r}{To^2}$ | Amortiguamiento<br>§ |
|------------------------------|------------|--------------|----------------|-----------------|--------------------------------|----------------------|
| Victoria<br>(Guillamón)      | Z          | 100          | 0,3            | 1600            | Tg=7                           | 30                   |
| Wizin (Wiechert<br>galitzin) | Z          | 80           | 12,5           | "               | "                              | 5                    |
| Askania                      | Z          | en pruebas   |                |                 |                                |                      |
| Askania                      | E          |              |                |                 |                                |                      |
| Askania                      | N          |              |                |                 |                                |                      |

| Número | Día | Fase | H O R A<br>T. M. G. |   |   | Período<br>S | AMPLITUD<br>mm. |   |   | Distancia<br>Km.<br>Grados | OBSERVACIONES |
|--------|-----|------|---------------------|---|---|--------------|-----------------|---|---|----------------------------|---------------|
|        |     |      | h                   | m | s |              | N               | E | Z |                            |               |
|        |     |      |                     |   |   |              |                 |   |   |                            |               |



MAY. 1960

| Número | Día | Fase | H O R A<br>T M G |    |     | Período<br>—<br>S | A M P L I T U D<br>Micrones |        |                           | Distancia<br>—<br>Km.<br>Grados                                             | OBSERVACIONES |
|--------|-----|------|------------------|----|-----|-------------------|-----------------------------|--------|---------------------------|-----------------------------------------------------------------------------|---------------|
|        |     |      | h                | m  | s   |                   | N                           | E      | Z                         |                                                                             |               |
| 1      | 12  | iP   | 22               | 44 | 20  | 5                 | 1 C                         | 8.460  | Panamá                    | 7,5° N. 81° W.<br>H = 22-32-32 (USCGS)<br>M = 6,5 (Pas.)                    |               |
|        |     | iPP  |                  | 47 | 12  | 5                 |                             |        |                           |                                                                             |               |
|        |     | iS   |                  | 54 | 05  | 3                 |                             |        |                           |                                                                             |               |
|        |     | L    | 23               | 08 | 00  | 25                |                             |        |                           |                                                                             |               |
|        |     | M    |                  | 18 | 30  | 19                |                             |        |                           |                                                                             |               |
| F      |     | 28   | ca.              |    |     |                   |                             |        |                           |                                                                             |               |
| 2      | 13  | iP   | 16               | 20 | 01  | 5                 | 1 C                         | 9.650  | Península de Alaska       | 55° N. 161,5° W.<br>H = 16-07-12<br>(USCGS y BCIS)<br>M = 6-1/4 (Pas.)      |               |
|        |     | iPP  |                  | 23 | 24  |                   |                             |        |                           |                                                                             |               |
|        |     | iPPP |                  | 25 | 28  |                   |                             |        |                           |                                                                             |               |
|        |     | eS   |                  | 30 | 50  |                   |                             |        |                           |                                                                             |               |
|        |     | i    |                  | 31 | 01  |                   |                             |        |                           |                                                                             |               |
|        |     | L    |                  | 49 | 20  | 30                |                             |        |                           |                                                                             |               |
|        |     | M    |                  | 55 | 00  | 28                |                             |        |                           |                                                                             |               |
| 3      | 13  | ePg  | 20               | 12 | 28  | rap.              |                             | 150    |                           |                                                                             |               |
|        |     | iSg  |                  |    | 46  | "                 |                             |        |                           |                                                                             | 1,3°          |
| 4      | 14  | iFm  | 15               | 41 | 46  | rap.              |                             | 380    | Cerca del Cabo S. Vicente | 37° N. 9,5° W. aprox<br>H = 15-40,8 (BCIS)                                  |               |
|        |     | iP*  |                  |    | 53  |                   |                             |        |                           |                                                                             |               |
|        |     | ePg  |                  |    | 59  |                   |                             |        |                           |                                                                             |               |
|        |     | iSn  |                  | 42 | 27  |                   |                             |        |                           |                                                                             |               |
|        |     | iS*  |                  |    | 32  |                   |                             |        |                           |                                                                             |               |
|        |     | iSg  |                  |    | 42  |                   |                             |        |                           |                                                                             |               |
|        |     | F    |                  | 44 | ca. |                   |                             |        |                           |                                                                             |               |
| 5      | 18  | eP   | 06               | 48 | 59  | 4                 |                             | 11.230 | Islas Riu-Kiu             | 29° N. 130° E.<br>H = 06-35-09<br>h = 100 k.ca. (USCGS)<br>M = 6 3/4 (Pas.) |               |
|        |     | iPP  |                  | 53 | 07  | 6                 |                             |        |                           |                                                                             |               |
|        |     | ePPP |                  | 55 | 37  | 6                 |                             |        |                           |                                                                             |               |
|        |     | eSKS |                  | 59 | 33  |                   |                             |        |                           |                                                                             |               |
|        |     | L    | 07               | 29 | 00  | 20                |                             |        |                           |                                                                             |               |
|        |     | M    |                  | 41 | 00  | 15                |                             |        |                           |                                                                             |               |
| F      | 08  | 10   | ca.              |    |     |                   |                             |        |                           |                                                                             |               |
| 6      | 18  | iP   | 08               | 49 | 53  | 2                 | 1 C                         | 5.400  | Golfo Persico             | 27,5° N. 52,5° E.<br>H=08-41-05 (BCIS)<br>Débil.                            |               |
|        |     | ePcP |                  | 51 | 29  | 4                 |                             |        |                           |                                                                             |               |
|        |     | iS   |                  | 56 | 57  | 4                 |                             |        |                           |                                                                             |               |
| 7      | 19  | iP   | 02               | 16 | 45  | 3                 | 1 D                         | 6.570  | Hindu-Kush                | 36° N. 71° E.<br>H = 02-07-00<br>h = 200 k.ca. (USCGS)                      |               |
|        |     | ipP  |                  | 17 | 25  | 3                 |                             |        |                           |                                                                             | 1 C           |
| 8      | 19  | eP   | 10               | 24 | 40  | 2                 |                             | 9.510  | Región Islas Mascareñas.  | 17° S. 66° E.<br>H=10-11-51 (USCGS)                                         |               |
|        |     | i    |                  | 25 | 02  | 2                 |                             |        |                           |                                                                             |               |
|        |     | iPP  |                  | 28 | 12  | 6                 |                             |        |                           |                                                                             |               |
|        |     | iPPP |                  | 29 | 52  | 10                |                             |        |                           |                                                                             |               |
|        |     | eSKS |                  | 34 | 40  | 7                 |                             |        |                           |                                                                             |               |
|        |     | i    |                  | 35 | 26  | 7                 |                             |        |                           |                                                                             |               |
|        |     | LR   |                  | 51 | 20  | 5                 |                             |        |                           |                                                                             |               |
|        |     | M    |                  | 59 | 50  | 25                |                             |        |                           |                                                                             |               |
| F      | 12  | 23   | ca.              |    |     |                   |                             |        |                           |                                                                             |               |



MAY. 1960

| Número | Día              | Fase  | H O R A         |    |     | Período | A M P L I T U D |   |        | Distancia<br>—<br>Km.<br>Grados                                                                                               | OBSERVACIONES |
|--------|------------------|-------|-----------------|----|-----|---------|-----------------|---|--------|-------------------------------------------------------------------------------------------------------------------------------|---------------|
|        |                  |       | T M G           |    |     |         | Micrones        |   |        |                                                                                                                               |               |
|        |                  |       | h               | m  | s   |         | S               | N | E      |                                                                                                                               |               |
| 9      | 20               | iPKP  | 11              | 32 | 38  | 4       | 1               | D | 18.730 | Isla Norfolk<br>28° S. 167,5° E.<br>H=11-12-31 (USCGS)<br>M. 6½-6 3/4 (Pas.)                                                  |               |
|        |                  | iPKP2 |                 | 33 | 51  | 5       | 1               | D | 168,5° |                                                                                                                               |               |
|        |                  | iPP   |                 | 37 | 34  | 7       | 2               |   |        |                                                                                                                               |               |
|        |                  | iSKS  |                 | 39 | 42  | 7       | 1               |   |        |                                                                                                                               |               |
|        |                  | iPPP  |                 | 41 | 46  | 3       | 1               |   |        |                                                                                                                               |               |
|        |                  | L     | 12              | 25 | 30  | 35      |                 |   |        |                                                                                                                               |               |
|        |                  | M     |                 | 47 | 00  | 22      |                 |   |        |                                                                                                                               |               |
|        |                  | F     | 13              | 53 | ca. |         |                 |   |        |                                                                                                                               |               |
| 10     | 21               | iP    | 06              | 45 | 45  | 4       | 1               | D |        | Próximo a la costa<br>W de Grecia<br>H=06-41-12 (BCIS)                                                                        |               |
|        |                  | ePP   |                 | 46 | 05  |         |                 |   |        |                                                                                                                               |               |
| 11     | 21               | iP    | 10              | 16 | 29  | 4       | 1               | D | 10.880 | Junto a la costa de<br>Chile.<br>37,5° S. 73,5° W.<br>H=10-02-50 (USCGS)<br>M. 8 (Moscu)<br>7 1/4 (Pas.)<br>Destructor en Chi |               |
|        |                  | iPP   |                 | 20 | 28  | 7       | 12              |   | 97,8°  |                                                                                                                               |               |
|        |                  | iPPP  |                 | 22 | 33  | 12      | 6               |   |        |                                                                                                                               |               |
|        |                  | eSKS  |                 | 26 | 54  | 19      | 5               |   |        |                                                                                                                               |               |
|        |                  | iS    |                 | 27 | 49  | 15      | 6               |   |        |                                                                                                                               |               |
|        |                  | iL    |                 | 49 | 20  | 44      |                 |   |        |                                                                                                                               |               |
|        |                  | F     | en el siguiente |    |     |         |                 |   |        |                                                                                                                               |               |
| 12     | 21               | iP    | 13              | 13 | 36  | 2       | 1               | D | 10.750 | Chile.<br>37,5° S. 72,5° W.<br>H=12-59-58 (USCGS)                                                                             |               |
|        |                  | ePP   |                 | 17 | 36  |         |                 |   | 96,7°  |                                                                                                                               |               |
| 13     | 22               | L     | 04              | 40 | 30  | 20      |                 |   |        | Chile.<br>37,5° S. 73° W<br>H=C3-46-22 (USCGS)                                                                                |               |
|        |                  | M     |                 | 45 | 00  | 18      |                 |   |        |                                                                                                                               |               |
| 14     | 22               | iP    | 08              | 24 | 31  | 5       | 1               | D |        | Chile<br>37,5° S. 73° W.<br>H=08-10-53 (USCGS)                                                                                |               |
|        |                  | ePP   |                 | 28 | 30  | 5       |                 |   |        |                                                                                                                               |               |
|        |                  | L     | 09              | 02 | 50  | 32      |                 |   |        |                                                                                                                               |               |
|        |                  | M     |                 | 08 | 30  | 20      |                 |   |        |                                                                                                                               |               |
| 15     | 22               | iP    | 10              | 44 | 17  | 4       | 1               | C | 10.900 | Chile.<br>38° S. 73,5° W.<br>H= 10-30-39                                                                                      |               |
|        |                  | iPP   |                 | 48 | 11  | 5       | 3               | D | 98°    |                                                                                                                               |               |
|        |                  | iPPP  |                 | 50 | 21  | 8       |                 |   |        |                                                                                                                               |               |
|        |                  | iSKS  |                 | 54 | 51  | 8       |                 |   |        |                                                                                                                               |               |
|        |                  | LQ    | 11              | 19 | 00  | 45      |                 |   |        |                                                                                                                               |               |
|        |                  | LR    |                 | 24 | 30  | 35      |                 |   |        |                                                                                                                               |               |
|        |                  | M     |                 | 26 | 10  | 34      |                 |   |        |                                                                                                                               |               |
| F      | en el siguiente. |       |                 |    |     |         |                 |   |        |                                                                                                                               |               |
| 16     | 22               | iP    | 10              | 46 | 19  | 5       | 1               | D | 10.850 | Chile.<br>37,5° S. 73° W:<br>H=10-32-43 (USCGS)                                                                               |               |
|        |                  | iPP   |                 | 50 | 19  | 5       | 1               |   | 97,5°  |                                                                                                                               |               |
|        |                  | iSKKS |                 | 57 | 15  | 6       |                 |   |        |                                                                                                                               |               |
|        |                  | i(PS) |                 | 59 | 27  | 16      |                 |   |        |                                                                                                                               |               |
|        |                  | i(SS) | 11              | 05 | 11  | 12      |                 |   |        |                                                                                                                               |               |
| 17     | 22               | iP    | 12              | 30 | 23  | 4       | 1               | D | 10.850 | Chile<br>38° S. 73° W.<br>H=12-16-43 (USCGS)                                                                                  |               |
|        |                  | iPP   |                 | 34 | 25  | 5       |                 |   | 97,5°  |                                                                                                                               |               |
| 18     | 22               | iP    | 19              | 09 | 36  | 6       | 1               | C | 10.900 | Chile.<br>38° S. 73,5° W.                                                                                                     |               |
|        |                  | iPP   |                 | 13 | 36  | 6       | 10              | D | 98°    |                                                                                                                               |               |
|        |                  | iSKS  |                 | 20 | 17  | 9       |                 |   |        |                                                                                                                               |               |
|        |                  | eS    |                 | 20 | 47  |         |                 |   |        |                                                                                                                               |               |



| Número | Día | Fase            | H O R A |    |    | Período<br>—<br>S | AMPLITUD<br>Micrones |        |                                                         | Distancia<br>—<br>Km.<br>Grados                         | OBSERVACIONES |       |
|--------|-----|-----------------|---------|----|----|-------------------|----------------------|--------|---------------------------------------------------------|---------------------------------------------------------|---------------|-------|
|        |     |                 | T M G   |    |    |                   | N                    | E      | Z                                                       |                                                         |               |       |
|        |     |                 | h       | m  | s  |                   |                      |        |                                                         |                                                         |               |       |
| 19     | 22  | iP              | 19      | 24 | 25 | 4                 | 1 D                  | 11.000 | Chile                                                   | 38,5° S. 74,5° W<br>H=19-10-37 (USCGS)<br>M. 8,3 (Pas.) |               |       |
|        |     | iPP             |         | 28 | 32 | 6                 |                      |        |                                                         |                                                         | 5             | 99°   |
|        |     | iSKS            |         | 35 | 05 | 8                 |                      |        |                                                         |                                                         |               |       |
|        |     | eS              |         |    | 45 | 10                |                      |        |                                                         |                                                         |               |       |
| 20     | 22  | iP              | 19      | 25 | 05 |                   | 11.090               | Chile. | 39,5° S. 74,5° W.<br>H=19-11-17 (USCGS)<br>M. 8½ (Pas.) |                                                         |               |       |
|        |     | iPP             |         | 29 | 13 |                   |                      |        |                                                         | 99,7°                                                   |               |       |
|        |     | Cambio de banda |         |    |    |                   |                      |        |                                                         |                                                         |               |       |
| 21     | 22  | eP              | 22      | 21 | 40 | 3                 |                      |        | Chile                                                   | 44° S. 72° W<br>H=22-07-48<br>h= 60 k.ca. (USCGS)       |               |       |
|        |     | ePP             |         | 25 | 42 | 4                 |                      |        |                                                         |                                                         |               |       |
| 22     | 22  | eP              | 22      | 27 | 39 | 4                 |                      |        | Chile                                                   | 39° S. 74° W.<br>H=22-14-02 (USCGS)                     |               |       |
|        |     | ePP             |         | 31 | 35 | 4                 |                      |        |                                                         |                                                         |               |       |
| 23     | 22  | eP              | 23      | 43 | 05 | 4                 |                      |        | Chile                                                   | 39,5° S. 72° W.<br>H=23-29-18 (USCGS)                   |               |       |
|        |     | ePP             |         | 47 | 15 | 4                 |                      |        |                                                         |                                                         |               |       |
| 24     | 23  | iP              | 00      | 39 | 22 | 5                 | 1 D                  | 10.920 | Chile                                                   | 38,5° S. 75° W<br>H=00-25-44                            |               |       |
|        |     | iPP             |         | 43 | 27 | 5                 |                      |        |                                                         |                                                         | 1             | 98,2° |
|        |     | iPPP            |         | 45 | 33 | 5                 |                      |        |                                                         |                                                         |               |       |
|        |     | L               | 01      | 18 | 00 | 25                |                      |        |                                                         |                                                         |               |       |
|        |     | M               |         | 25 | 00 | 19                |                      |        |                                                         |                                                         |               |       |
| 25     | 23  | iP              | 01      | 04 | 48 | 3                 |                      |        | Chile                                                   | 37,5° S. 72° W.<br>H=00-51-12 (USCGS)                   |               |       |
|        |     | iPP             |         | 09 | 01 | 5                 |                      |        |                                                         |                                                         |               |       |
| 26     | 23  | iP              | 01      | 07 | 38 | 3                 | 1 C                  |        | Chile                                                   | 39,5° S. 73° W.<br>H=00-53-57 (USCGS)                   |               |       |
|        |     | ePP             |         | 11 | 51 | 3                 |                      |        |                                                         |                                                         |               |       |
| 27     | 23  | eP              | 01      | 48 | 35 | 3                 | 1                    |        | Chile                                                   | 39,5° S. 74° W.<br>H=01-34-53 (USCGS)                   |               |       |
|        |     |                 |         | 52 | 24 | 3                 |                      |        |                                                         |                                                         |               |       |
| 28     | 23  | iP              | 03      | 00 | 19 | 4                 | 1 C                  |        | Chile                                                   | 41,5° S. 73,5° W.<br>H=02-46-30 (USCGS)                 |               |       |
|        |     | iPP             |         | 04 | 23 | 4                 |                      |        |                                                         |                                                         | 1             |       |
|        |     | e(PPS)          |         | 14 | 29 | 7                 |                      |        |                                                         |                                                         |               |       |
|        |     | L               |         | 36 | 30 | 30                |                      |        |                                                         |                                                         |               |       |
|        |     | M               |         | 47 | 00 | 20                |                      |        |                                                         |                                                         |               |       |
| 29     | 23  | iP              | 05      | 27 | 09 | 2                 | 1 C                  | 10.900 | Chile                                                   | 38° S. 73,5° W.<br>H=05-13-35 (USCGS)<br>M. 6,5 (Moscu) |               |       |
|        |     | iPP             |         | 31 | 11 | 4                 |                      |        |                                                         |                                                         | 1             | 98°   |
|        |     | iPPP            |         | 33 | 27 | 5                 |                      |        |                                                         |                                                         |               |       |
|        |     | L               | 06      | 00 | 10 | 38                |                      |        |                                                         |                                                         |               |       |
|        |     | M               |         | 11 | 30 | 20                |                      |        |                                                         |                                                         |               |       |
| 30     | 23  | ePS             | 07      | 37 | 12 | 6                 |                      |        | Chile                                                   | 48° S. 77° W.<br>H=07-09-17 (USCGS)                     |               |       |
|        |     | ePPS            |         | 38 | 18 | 8                 |                      |        |                                                         |                                                         |               |       |
|        |     | M               | 08      | 11 | 40 | 19                |                      |        |                                                         |                                                         |               |       |



MAY 1980

| Número | Día | Fase              | H O R A<br>T M G |    |     | Período<br>—<br>S | AMPLITUD<br>Micrones |   |   | Distancia<br>—<br>Km.<br>Grados       | OBSERVACIONES                                                                                                                                             |
|--------|-----|-------------------|------------------|----|-----|-------------------|----------------------|---|---|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |     |                   | h                | m  | s   |                   | N                    | E | Z |                                       |                                                                                                                                                           |
|        |     |                   |                  |    |     |                   |                      |   |   |                                       |                                                                                                                                                           |
| 31     | 23  | iP                | 10               | 05 | 56  | 3                 |                      |   |   | 1<br>1                                | Chile<br>37,5° S. 73° W.<br>H=09-52-20(USCGS)                                                                                                             |
|        |     | iPP               |                  | 09 | 52  | 4                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | L                 |                  | 43 | 00  | 30                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | M                 |                  | 49 | 30  | 19                |                      |   |   |                                       |                                                                                                                                                           |
| 32     | 23  | iP                | 10               | 51 | 56  | 4                 |                      |   |   | 1 C<br>1 D<br>1 D                     | Cerca de la costa de<br>Chile<br>43,5° S. 73,5° W.<br>H=10-37-59(USCGS)                                                                                   |
|        |     | iPP               |                  | 56 | 10  | 4                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | iPS               | 11               | 05 | 10  | 8                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | L                 |                  | 29 | 20  | 30                |                      |   |   |                                       |                                                                                                                                                           |
| 33     | 23  | eP                | 14               | 15 | 13  | 3                 |                      |   |   |                                       | Chile<br>42,5° S. 74° W.<br>H=14-01-37(USCGS)                                                                                                             |
|        |     | L                 |                  | 52 | 50  | 29                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | M                 | 15               | 03 | 00  | 16                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | F                 |                  | 08 | ca. |                   |                      |   |   |                                       |                                                                                                                                                           |
| 34     | 24  | L                 | 04               | 16 | 30  | 28                |                      |   |   |                                       | Cerca de la costa de<br>Chile.<br>38,5° S. 74° W.<br>H=03-24-00(USCGS)<br>Débil                                                                           |
|        |     | M                 |                  | 22 | 30  | 20                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | F                 |                  | 24 | ca. |                   |                      |   |   |                                       |                                                                                                                                                           |
| 35     | 24  | ePKP              | 15               | 06 | 46  | 4                 |                      |   |   | 1 D<br>1 D<br>1 C<br>2<br>1<br>2<br>2 | 18.850<br>169,5°<br>Isla Sur de Nueva Ze-<br>landa.<br>44,5° S. 167,5° E.<br>H=14-46-34(USCGS)<br>M. 6 3/4-7 (Pas.)<br>Sentido en la bahía<br>de Milford. |
|        |     | iPKP <sub>2</sub> |                  | 07 | 58  | 9                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | i                 |                  | 09 | 36  | 6                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | iPP               |                  | 11 | 47  | 8                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | iSKS              |                  | 13 | 46  | 5                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | iPPP              |                  | 15 | 52  | 8                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | iSKS              |                  | 18 | 36  | 9                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | iPPS              |                  | 25 | 34  | 10                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | LR                | 16               | 07 | 50  | 31                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | M                 |                  | 16 | 00  | 28                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | LRW <sub>2</sub>  |                  | 22 | 20  | 27                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | M <sub>2</sub>    |                  | 29 | 30  | 20                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | F                 | 17               | 18 | ca. |                   |                      |   |   |                                       |                                                                                                                                                           |
| 36     | 25  | L                 | 05               | 41 | 40  | 25                |                      |   |   |                                       | Sur de Chile.<br>47° S. 75° W.<br>H=04-44-14<br>h=60 k.ca.(USCGS)                                                                                         |
|        |     | M                 |                  | 48 | 00  | 18                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | F                 | 06               | 03 | ca. |                   |                      |   |   |                                       |                                                                                                                                                           |
| 37     | 25  | iP                | 08               | 48 | 45  | 6                 |                      |   |   | 1 D<br>1<br>2 D<br>1 D<br>1 C<br>1    | 11.560<br>104°<br>A lo largo de la costa<br>de Chile<br>45° S. 76° W.<br>H=08-34-33(USCGS)<br>M. 6 3/4 (Pas.)                                             |
|        |     | iPP               |                  | 53 | 01  | 7                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | iPPP              |                  | 55 | 21  | 7                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | eSKS              |                  | 59 | 20  | 9                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | iS                | 09               | 00 | 33  | 9                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | iPS               |                  | 02 | 17  | 10                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | iSS               |                  | 07 | 59  | 12                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | eSSS              |                  | 11 | 56  | 10                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | LR                |                  | 23 | 45  | 43                |                      |   |   |                                       |                                                                                                                                                           |
|        |     | M                 |                  | 28 | 00  | 20                |                      |   |   |                                       |                                                                                                                                                           |
| F      | 11  | 00                | ca.              |    |     |                   |                      |   |   |                                       |                                                                                                                                                           |
| 38     | 25  | iP                | 12               | 58 | 53  | 2                 |                      |   |   | 1 C                                   | Sur del Irán<br>27 1/4 N. 54 1/4 E.<br>H=12-50-10(BCIS)<br>Débil.                                                                                         |
|        |     | i                 |                  | 59 | 25  | 3                 |                      |   |   |                                       |                                                                                                                                                           |
|        |     | iPcP              | 13               | 00 | 07  | 3                 |                      |   |   |                                       |                                                                                                                                                           |



MAY. 1960

| Número | Día | Fase | H O R A |    |     | Período | AMPLITUD |   |   | Distancia<br>—<br>Km.<br>Grados | OBSERVACIONES                                                                                                                 |
|--------|-----|------|---------|----|-----|---------|----------|---|---|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|        |     |      | T M G   |    |     |         | Micrones |   |   |                                 |                                                                                                                               |
|        |     |      | h       | m  | s   |         | S        | N | E |                                 |                                                                                                                               |
| 39     | 26  | iP   | 05      | 14 | 43  | 7       |          |   |   | 1 D 2.170<br>19,5°              | Frontera Albania-Greci.<br>40,6° N. 20,6° E.<br>H=05-10-11 (BCIS)<br>05-10-05 (US CGS)<br>Destructor en Alba<br>M. 6,5 (Pas.) |
|        |     | iPPP |         | 15 | 15  | 7       |          |   |   |                                 |                                                                                                                               |
|        |     | iS   |         | 18 | 19  | 6       |          |   |   |                                 |                                                                                                                               |
|        |     | iSS  |         |    | 51  | 7       |          |   |   |                                 |                                                                                                                               |
|        |     | eLR  |         | 21 | 50  | 17      |          |   |   |                                 |                                                                                                                               |
|        |     | iPcS |         | 22 | 15  | 15      |          |   |   |                                 |                                                                                                                               |
|        |     | M    |         | 23 | 20  | 16      |          |   |   |                                 |                                                                                                                               |
|        |     | i    |         | 24 | 00  | 13      |          |   |   |                                 |                                                                                                                               |
| F      | 06  | 12   | ca.     |    |     |         |          |   |   |                                 |                                                                                                                               |
| 40     | 26  | iPn  | 17      | 14 | 25  | rap.    |          |   |   | 1 D 180                         |                                                                                                                               |
|        |     | iSn  |         |    | 47  | "       |          |   |   |                                 |                                                                                                                               |
|        |     | iSg  |         |    | 48  | "       |          |   |   |                                 |                                                                                                                               |
|        |     | i    |         |    | 53  | "       |          |   |   |                                 |                                                                                                                               |
|        |     | F    | 15      | 20 |     |         |          |   |   |                                 |                                                                                                                               |
| 41     | 28  | iP   | 11      | 19 | 18  | 3       |          |   |   | 1 D 10.890<br>98°               | Chile<br>38° S. 73° W.<br>H=11-05-40 (US CGS)<br>M. 6,5 (Matsushiro)                                                          |
|        |     | i    |         | 23 | 32  | 3       |          |   |   |                                 |                                                                                                                               |
|        |     | L    |         | 57 | 36  | 28      |          |   |   |                                 |                                                                                                                               |
|        |     | M    | 12      | 04 | 06  | 19      |          |   |   |                                 |                                                                                                                               |
|        |     | F    |         | 08 | ca. |         |          |   |   |                                 |                                                                                                                               |
| 42     | 29  | eP   | 07      | 53 | 04  | 7       |          |   |   | 1 C 10.870<br>97,8°             | Chile<br>38° S. 72,5° W<br>H=07-39-29<br>(US CGS y BCIS)<br>M. 6,5 (Pas.)                                                     |
|        |     | iPP  |         | 57 | 02  | 9       |          |   |   |                                 |                                                                                                                               |
|        |     | iSKS | 08      | 03 | 42  |         |          |   |   |                                 |                                                                                                                               |
|        |     | iS   |         | 04 | 44  | 12      |          |   |   |                                 |                                                                                                                               |
|        |     | ePS  |         | 06 | 08  | 7       |          |   |   |                                 |                                                                                                                               |
|        |     | ePPS |         |    | 30  | 8       |          |   |   |                                 |                                                                                                                               |
|        |     | LR   |         | 26 | 00  | 38      |          |   |   |                                 |                                                                                                                               |
|        |     | M    |         | 33 | 00  | 27      |          |   |   |                                 |                                                                                                                               |
| F      | 09  | 58   | ca.     |    |     |         |          |   |   |                                 |                                                                                                                               |
| 43     | 29  | iP   | 14      | 19 | 02  | 4       |          |   |   | 1 D                             | Cerca de la costa de<br>Chile.<br>37,5° S. 73° W.<br>H=14-05-25 (US CGS)<br>Debil.                                            |
|        |     | iPP  |         | 23 | 00  | 4       |          |   |   |                                 |                                                                                                                               |
|        |     | M    | 15      | 04 | 00  | 14      |          |   |   |                                 |                                                                                                                               |
| 44     | 29  | L    | 22      | 13 | 30  | 22      |          |   |   | 1 D                             | Chile<br>43° S. 77° W.<br>H=21-23-54 (US CGS)                                                                                 |
|        |     | M    |         | 25 | 30  | 18      |          |   |   |                                 |                                                                                                                               |
|        |     | F    |         | 40 | ca. |         |          |   |   |                                 |                                                                                                                               |
| 45     | 31  | iP   | 00      | 33 | 37  | 4       |          |   |   | 1 D                             | Golfo de Aden<br>13,5° N. 55° E.<br>H=00-23-49<br>h= 60 k.ca. (US CGS)                                                        |
|        |     | ePP  |         | 34 | 31  | 4       |          |   |   |                                 |                                                                                                                               |
| 46     | 31  | iP   | 02      | 53 | 51  | 3       |          |   |   | 1 D 11.120<br>100°              | Chile<br>39,5° S. 75° W.<br>H=02-40-00 (US CGS)<br>M. 6,5 (Pas.)                                                              |
|        |     | i    |         | 57 | 03  | 3       |          |   |   |                                 |                                                                                                                               |
|        |     | ePP  |         | 58 | 05  | 3       |          |   |   |                                 |                                                                                                                               |
|        |     | L    | 03      | 31 | 10  | 28      |          |   |   |                                 |                                                                                                                               |
|        |     | M    |         | 40 | 10  | 20      |          |   |   |                                 |                                                                                                                               |
|        |     | F    | 04      | 31 | ca. |         |          |   |   |                                 |                                                                                                                               |



MAY. 1960

| Número | Día | Fase | H O R A |    |    | Período<br>—<br>S | A M P L I T U D |   |     | Distancia<br>—<br>Km.<br>Grados | OBSERVACIONES                                                                            |
|--------|-----|------|---------|----|----|-------------------|-----------------|---|-----|---------------------------------|------------------------------------------------------------------------------------------|
|        |     |      | T M G   |    |    |                   | Micrones        |   |     |                                 |                                                                                          |
|        |     |      | h       | m  | s  |                   | N               | E | Z   |                                 |                                                                                          |
| 47     | 31  | iP   | 11      | 11 | 40 | 4                 |                 |   | 2 D | 5.950<br>53,5°                  | Pequeñas Antillas.<br>18° N. 62° W.<br>H=11-02-20 (US CGS)<br>M. 8 1/4 - 6 3/4<br>(Pas.) |
|        |     | iPcP |         | 12 | 44 | 3                 |                 |   | 4   |                                 |                                                                                          |
|        |     | iPP  |         | 13 | 52 | 4                 |                 |   | 2   |                                 |                                                                                          |
|        |     | iPPP |         | 14 | 58 | 5                 |                 |   | 1   |                                 |                                                                                          |
|        |     | iPcS |         | 16 | 42 | 4                 |                 |   | 1   |                                 |                                                                                          |
|        |     | iS   |         | 19 | 16 | 3                 |                 |   | 1 C |                                 |                                                                                          |
|        |     | i    |         |    | 38 | 5                 |                 |   | 1 C |                                 |                                                                                          |
|        |     | L    |         | 28 | 40 | 21                |                 |   |     |                                 |                                                                                          |
|        |     | M    |         | 36 | 10 | 17                |                 |   | 1   |                                 |                                                                                          |
| F      | 12  | 29   | ca.     |    |    |                   |                 |   |     |                                 |                                                                                          |
| 48     | 31  | iP   | 13      | 30 | 46 | 4                 |                 |   | 2 D |                                 | Islas Salomón.<br>7,5° S. 156° E.<br>H=13-11-02                                          |

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El Ingeniero Jefe

Alfonso López Arroyo

