

Instituto Geográfico y Catastral  
OBSERVATORIO CENTRAL GEOFISICO  
"ALFONSO REY PASTOR"  
DE TOLEDO (ESPAÑA)

Naturaleza del terreno: Miógeno Superior

Coordenadas de la Estación:

L = 39°52'53"N

M = 04°02'55"W

Z = 480,54 m.

BOLETIN SISMOLOGICO

MES DE MARZO DE 1970

Constantes de los Sismógrafos.

| Aparato     | Masa<br>Kg | Período<br>T <sub>0</sub> | Rozamiento<br>$\frac{r}{T_0^2}$ | Amplitud<br>V | Amortgto°<br>ε |
|-------------|------------|---------------------------|---------------------------------|---------------|----------------|
| Wiechert ZT | 1200       | 3.60                      | 0.0508                          | 1.728         | 4.97           |
| " NT        | 1000       | 9.80                      | 0.0187                          | 778           | 3.89           |
| " ET        | 1000       | 10.96                     | 0.020                           | 780           | 3.65           |
| " NX        | 800        | 7.80                      | 0.0126                          | 568           | 4.62           |
| " EX        | 800        | 7.52                      | 0.0125                          | 585           | 4.16           |

Equipos Standard

1.- Sprengnether (Standard) de período largo (T<sub>p</sub>=15s. T<sub>g</sub>=100s.)

Sus componentes serán designadas por ZL, NL, EL.

2.- Benioff (Standard) de período corto (T<sub>p</sub>=1.0s. T<sub>g</sub>=0,75s.)

Sus componentes serán designadas por ZS, NS, ES.

| Núm.   | Fecha | Fase            | Comp. | H  | M  | S    | Núm.   | Fecha | Fase  | Comp.          | H    | M  | S     |
|--|-------|-----------------|-------|----|----|------|--|-------|-------|----------------|------|----|-------|
| 150  | 1     | Lr              | ZL    | 10 | 51 | 00   | 154  | 3     |       | (continuación) |      |    |       |
|  |       |                 |       |    |    |      |  |       | i(Sn) | NS             | 05   | 28 | 55.0  |
| 151  | 1     | eP              | ZS    | 20 | 21 | 35.0 |  |       | iSg   | NS             |      | 28 | 59.0  |
|  |       | e               | ZS    |    | 22 | 08.0 |  |       |       |                | seg. |    | micr. |
|  |       | Lr              | ZL    | 21 | 38 | 00   |  |       | iSg   | NS             | 0.8  |    | 0.31  |
| 33°9N-59°3E; Ho=20-12-44, Khorassan (Irán) (B.C.I.S.)  |       |                 |       |    |    |      | 37°2N-5°3W; Ho=05-27-20 Andalucía (España). (B.C.I.S.)                                 |       |       |                |      |    |       |
| 34°0N-58°9E; Ho=20-12-44.8(0.8-39) h=39 Km. Mag:5.2(CGS) Irán. (U.S.C.G.S.)                    |       |                 |       |    |    |      | 36°5N-5°W; Ho=05-27-26.6 h=10 Km. m=4.5 Próximo a Marbella (Málaga). (L.C.S.S. Madrid) |       |       |                |      |    |       |
| 152  | 2     | eP <sub>1</sub> | ZS    | 01 | 16 | 48.0 | 155  | 3     | ePg   | NS             | 05   | 54 | 41.0  |
|  |       | eP <sub>2</sub> | ZS    |    | 17 | 13.4 |  |       | iSg   | NS             |      | 54 | 58.2  |
|  |       |                 |       |    |    |      |  |       |       |                | seg. |    | micr. |
| 15°3S-167°6E; Ho=00-57-12.6(1.2-18) h=151 Km. Mag:4.9(CGS) Islas Nuevas Hébridás. (U.S.C.G.S.) |       |                 |       |    |    |      | 37°2N-5°3W; Ho=05-52-20 Andalucía (España). (B.C.I.S.)                                 |       |       |                |      |    |       |
| 153  | 2     | eP              | ZS    | 11 | 16 | 40.0 | 36°9N-5°5W; Ho=05-53-20.8 h=N m=4.3 Réplica del I.-3 Marzo. (L.C.S.S. Madrid)          |       |       |                |      |    |       |
|  |       | Lr              | ZL    |    | 28 | 00   |  |       |       |                |      |    |       |
| 154  | 3     | eP+             | ZS    | 05 | 28 | 32.0 |  |       |       |                |      |    |       |
|  |       | ePg             | NS    |    | 28 | 41.5 |  |       |       |                |      |    |       |

(continúa)



| Núm.   | Fecha | Fase  | Comp. | H    | M  | S     |
|--|-------|-------|-------|------|----|-------|
| 156  | 3     | e     | ZS    | 06   | 08 | 30.0  |
|  |       | ePg   | NS    |      | 08 | 39.5  |
|  |       | i(Sn) | NS    |      | 08 | 53.0  |
|  |       | iSg   | NS    |      | 08 | 57.5  |
|  |       |       |       | seg. |    | micr. |
|  |       | iSg   | NS    | 0.9  |    | 0.38  |
| 37°2N-5°3W; Ho=06-07-17 Andalucía (España). (B.C.I.S.)                         |       |       |       |      |    |       |
| 37°0N-5°4W; Ho=06-07-17.5. h=N m=4.9 Réplica del I.-3 Marzo. (L.C.S.S. Madrid) |       |       |       |      |    |       |

|   |   |     |    |            |    |       |
|---|---|-----|----|------------|----|-------|
| 157   | 3 | iP  | ZS | 09         | 27 | 26.0  |
|   |   |     |    | Compresión |    |       |
|   |   | epP | ZS |            | 27 | 55.0  |
|   |   |     |    | seg.       |    | micr. |
|   |   | iP  | ZS | 1.0        |    | 0.16  |
| 14°7S-72°5W; Ho=09-15-06.8(1.1-35) h=106 Km. Mag:5.0 (CGS) Perú. (U.S.C.G.S.) |   |     |    |            |    |       |

|   |   |    |    |    |    |    |
|---|---|----|----|----|----|----|
| 158   | 3 | Lr | ZL | 16 | 47 | 00 |
| 38°2N-20°8E; Ho=16-35-47 M <sub>L</sub> =4.1 (Atenas) Islas Jónicas, Grecia. (B.C.I.S.) |   |    |    |    |    |    |
| 38°3N-20°6E; Ho=16-35-44.8(1.0-14) h=39 Km. Mag:4.5(CGS) Grecia. (U.S.C.G.S.)           |   |    |    |    |    |    |

|     |   |                 |    |    |    |      |
|-----|---|-----------------|----|----|----|------|
| 159 | 4 | Lr              | ZL | 02 | 20 | 00   |
| 160 | 4 | eP <sup>w</sup> | ZS | 03 | 49 | 38.1 |
|     |   | iPP             | ZL |    | 50 | 54   |
|     |   | eSKS            | NL |    | 56 | 20   |
|     |   | iPS             | ZL | 04 | 00 | 42   |
|     |   | ePPS            | ZL |    | 02 | 17   |
|     |   | eSS             | EL |    | 06 | 44   |
|     |   | Lq              | NL |    | 22 | 00   |
|     |   | Lr              | ZL |    | 25 | 00   |

D=119°5=13.280 Km.  
 12°1N-143°7E; Ho=03-30-35.4(1.1-82) h=33 Km. Mag:6.2(CGS),6.5(Pas),6.5(BRK),6.5(Pal);6 1/4(Gol) Sur de las Islas Marianas, sentido en Guam. (U.S.C.G.S.)

|     |   |                  |    |      |    |       |
|-----|---|------------------|----|------|----|-------|
| 161 | 4 | eP <sub>1</sub>  | ZS | 06   | 51 | 29.1  |
|     |   | iP <sub>2</sub>  | ZS |      | 51 | 29.3  |
|     |   | ipP <sub>1</sub> | ZL |      | 53 | 12    |
|     |   | ipP <sub>2</sub> | ZL |      | 53 | 45    |
|     |   | iPP              | ZL |      | 54 | 46    |
|     |   | i(SKS)           | ZL |      | 57 | 20    |
|     |   | i                | ZL |      | 58 | 24    |
|     |   |                  |    | seg. |    | micr. |
|     |   | eP <sub>1</sub>  | ZS | 1.1  |    | 0.15  |

(continúa)

| Núm.  | Fecha | Fase | Comp. | H | M | S |
|---|-------|------|-------|---|---|---|
| 161   | 4     |      |       |   |   |   |
| (continuación)  |       |      |       |   |   |   |
| 19°8S-178°6W; Ho=06-31-56.2(0.9-53) h=624 Km. Mag:5.5(BRK) Islas Fiji. (U.S.C.G.S.) |       |      |       |   |   |   |

|                |   |     |    |      |    |       |
|----------------|---|-----|----|------|----|-------|
| 162            | 4 | ePg | ZS | 09   | 48 | 54.0  |
|                |   | iSn | ZS |      | 49 | 04.0  |
|                |   | iS+ | ZS |      | 49 | 21.0  |
|                |   | iSg | NS |      | 49 | 31.5  |
|                |   |     |    | seg. |    | micr. |
|                |   | iSg | NS | 0.8  |    | 1.53  |
| D=2°85=317 Km. |   |     |    |      |    |       |

|   |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
| 37°2N-5°3W; Ho=09-47-55 Andalucía (España). (B.C.I.S.)  |  |  |  |  |  |  |
| 37°2N-5°4W; Ho=09-47-54, h=40 Km. m=4.8 Sentido en Coripe y Olvera (Sevilla y Cádiz). (L.C.S.S. Madrid) |  |  |  |  |  |  |

|     |   |    |    |    |    |    |
|-----|---|----|----|----|----|----|
| 163 | 4 | e  | ZL | 14 | 51 | 24 |
|     |   | e  | ZL |    | 57 | 06 |
|     |   | e  | ZL | 15 | 09 | 00 |
|     |   | Lr | ZL |    | 27 | 00 |

|                |   |       |    |      |    |       |
|----------------|---|-------|----|------|----|-------|
| 164            | 4 | ePn   | ZS | 21   | 26 | 13.0  |
|                |   | ePg   | ZS |      | 26 | 22.5  |
|                |   | i     | NS |      | 26 | 26.8  |
|                |   | i(Sn) | NS |      | 26 | 40.1  |
|                |   | i(S+) | NS |      | 26 | 46.0  |
|                |   | iSg   | NS |      | 26 | 58.0  |
|                |   |       |    | seg. |    | micr. |
|                |   | iSg   | NS | 0.7  |    | 1.11  |
| D=3°45=384 Km. |   |       |    |      |    |       |

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| 37°2N-5°3W; Ho=21-25-21, Andalucía (España). (B.C.I.S.)                      |  |  |  |  |  |  |
| 37°1N-5°4W; Ho=21-25-23.1(1.4-5) h=33 Km. España. (U.S.C.G.S.)               |  |  |  |  |  |  |
| 37°1N-5°4W; Ho=21-25-22, h=N m=4.8 Réplica del I.-4 Marzo. (L.C.S.S. Madrid) |  |  |  |  |  |  |

|  |   |       |    |    |    |      |
|--|---|-------|----|----|----|------|
| 165  | 4 | e     | NS | 21 | 34 | 08.5 |
|  |   | i(Pg) | NS |    | 34 | 27.0 |
| 37°1N-5°2W; Ho=21-33-53.9, h=N Réplica del I.-4 Marzo. (L.C.S.S. Madrid) |   |       |    |    |    |      |

|   |   |     |    |    |    |      |
|---|---|-----|----|----|----|------|
| 166   | 4 | ePg | ZS | 21 | 42 | 01.5 |
|   |   | eSn | NS |    | 42 | 24.9 |
|   |   | eSg | NS |    | 42 | 37.0 |
| 37°2N-5°3W; Ho=21-41-00 Andalucía (España). (B.C.I.S.)                  |   |     |    |    |    |      |
| 37°N-5°4W; Ho=21-41-00.9, h=N Réplica del I.-4 Marzo. (L.C.S.S. Madrid) |   |     |    |    |    |      |

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Núm. Fecha Fase Comp. H M S  
 167 4 e(Sg) NS 21 46 09.0  
 36°9N-5°6W; Ho=21-44-33, h=N Répl  
 ca del I.-4 Marzo. (L.C.S.S. Madrid)

168 4 ePn ZS 21 58 46.5  
 iPg NS 59 01.0  
 iSn NS 59 29.5  
 seg. micr.  
 iSn NS 0.6 1.02  
 37°2N-5°3W; Ho=21-57-54, Andalucía  
 (España). (B.C.I.S.)

36°7N-5°5W; Ho=21-57-54, h=N m=5.0  
 Réplica del I.-4 Marzo. (L.C.S.S. Madrid)

169 4 ePg NS 22 08 33.0  
 170 4 e ZS 22 57 04.5  
 iSg NS 57 22.0  
 seg. micr.  
 iSg NS 0.9 0.14

171 4 e(Pg) ZS 23 30 00.0  
 e ZS 30 14.1  
 i(Sg) NS 30 32.8  
 seg. micr.  
 i(Sg) NS 0.9 0.32

36°9N-5°5W; Ho=23-28-56, h=N Répli  
 ca del I.-4 Marzo. (L.C.S.S. Madrid)

172 4 eSg NS 23 38 37.0

173 5 eSg NS 00 42 47.5

174 5 e(Pn) ZS 05 03 31.0  
 e(Sn) NS 04 11.8

175 5 Lr ZL 05 05 00  
 53°9N-19°7W; Ho=04-56-21.1(1.1-34)  
 h=N Mag:4.6(CGS) Al Norte del Océa-  
 no Atlántico. (U.S.C.G.S.)

176 5 ePg ZS 13 02 47.0  
 iSg NS 02 55.0  
 Lr ZS 03 33.0  
 seg. micr.  
 iSg NS 0.5 0.08

Explosión.  
 177 5 ePg ZS 16 01 19.9  
 iSg NS 01 24.8  
 iPsl ZS 01 25.3  
 iPn ZS 01 27.0  
 i ZS 01 29.1  
 i ES 01 29.8  
 Lr ZS 01 40.0

Explosión artificial en las canteras  
 de Yepes, Toledo.

Núm. Fecha Fase Comp. H M S  
 178 5 iP ZS 17 13 31.0  
 Compresión  
 i ZS 14 03.8  
 i(S) NL 23 48  
 Lr ZL 40 00  
 seg. micr.  
 iP ZS 1.0 0.08  
 i ZS 1.2 0.25

18°8S-69°2W; Ho=17-01-11.4(1.4-37)  
 h=127 Km. Mag:5.2(CGS) Norte de Chi  
 le. (U.S.C.G.S.)

179 6 eiP ZS 20 19 12.4  
 (Compresión)  
 Lr ZL 23 30  
 seg. micr.  
 eiP ZS 1.6 0.07

180 6 Lq NL 22 04 00  
 Lr ZL 08 00

181 7 Lr ZL 03 18 00  
 41°1S-81°1E; Ho=02-21-39(1.3-10)  
 h=N Mag:4.9-5.0(CGS) Crotta del In-  
 dico Medio. (U.S.C.G.S.)

182 7 Lr ZL 06 00 40

183 7 eP ZS 12 05 06.5  
 (Compresión)

0°5S-19°7W; Ho=11-57-09.4(0.6-8)  
 h=N Mag:4.6(CGS) Región Central del  
 Atlántico Medio. (U.S.C.G.S.)

184 7 ePn ES 16 14 04.0  
 i(Sg) ES 15 14.9

34°3N-5°8W; Ho=16-12-50 Marruecos  
 Sentido grado V en Masada y Sidi-  
 Ab el Aziz. (B.C.I.S.)

34°6N-5°8W; Ho=16-12-44 h=N Ma-  
 rruecos. Sentido grado V en Masada  
 y en Sidi Ab el Aziz. (L.C.S.S. Ma-  
 drid)

185 7 ePg ZS 19 09 13.5  
 eSg NS 09 48.5

186 7 eP ZS 22 37 56.0  
 Lr ZL 01 44 00

187 8 eP ZS 00 00 20.0

188 8 Lr ZL 01 25 00

189 8 e ZS 05 19 43.5  
 iSg NS 20 01.0  
 seg. micr.  
 iSg NS 0.8 0.09

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| Núm. | Fecha | Fase      | Comp.    | H  | M  | S             |
|------|-------|-----------|----------|----|----|---------------|
| 190  | 8     | ePP<br>Lr | ZS<br>ZL | 12 | 11 | 15.0<br>55 00 |

1°8N-126°6E; Ho=11-51-21.8(1.3-46)  
h=50 Km. Mag:5.6-4.8(CGS), 4.3ML(CG  
S) Pasaje de las Molucas. (U.S.C.  
G.S.)

|     |   |    |    |    |    |    |
|-----|---|----|----|----|----|----|
| 191 | 8 | Lr | ZL | 17 | 48 | 00 |
|-----|---|----|----|----|----|----|

|     |   |   |  |    |    |   |
|-----|---|---|--|----|----|---|
| 192 | 9 | eP<br>ePP<br>eSKS<br>eS<br>ePS<br>eSS<br>Lq<br>Lr | ZS<br>ZL<br>NL<br>EL<br>ZL<br>EL<br>EL<br>ZL | 01 | 03 | 34.8<br>07 38<br>14 10<br>14 58<br>16 30<br>21 18<br>35 00<br>40 00 |
|-----|---|---|--|----|----|---|

39°6N-143°4E; Ho=00-50-03.2(0.9-57)  
h=14 Km. Mag:5.3-5.8(CGS) Fuera de  
la Costa Este de Honshu, Japón, sen  
tido en el N. de Honshu. (U.S.C.G.  
S.)

|     |   |  |  |    |    |   |
|-----|---|--|--|----|----|---|
| 193 | 9 | eP <sub>1</sub><br>iP <sub>2</sub><br>iPP<br>iSKKS<br>eSKSP<br>ePPS<br>iSS<br>iSSS<br>Lr | ZS<br>ZS<br>ZL<br>NL<br>NL<br>EL<br>NL<br>NL<br>ZL | 16 | 21 | 07.3<br>21 43.0<br>25 24<br>31 34<br>35 18<br>38 44<br>46 15<br>52 08<br>17 13 00 |
|-----|---|--|--|----|----|---|

D=158°=17.555 Km.  
seg. micr.  
iP<sub>1</sub> ZS 1.2 0.71

19°0S-168°6E; Ho=16-01-10.5(1.0-61)  
h=41 Km. Mag:6.1-6.5(CGS), 6.8(Pas)  
6.5(BRK), 6.5(Gol) Islas Nuevas Hé-  
bridadas, sentido en Pot Vila. (U.S.  
C.G.S.)

|     |   |                 |    |    |    |      |
|-----|---|-----------------|----|----|----|------|
| 194 | 9 | eP <sub>2</sub> | ZS | 18 | 51 | 26.5 |
|-----|---|-----------------|----|----|----|------|

19°1S-168°5E; Ho=18-30-55.7(1.0-58)  
h=33 Km. Mag:5.3(CGS) Islas Nuevas  
Hébridadas, sentido en Puerto Vila.  
(U.S.C.G.S.)

|     |    |      |        |            |    |      |
|-----|----|------|--------|------------|----|------|
| 195 | 10 | iP   | ZS     | 05         | 11 | 33.8 |
|     |    |      |        | Compresión |    |      |
|     |    | ePP  | ZL     |            | 15 | 37   |
|     |    | iS   | NL     |            | 22 | 29   |
|     |    | iPS  | NL, ZL |            | 23 | 47   |
|     |    | iPPS | NL     |            | 24 | 15   |
|     |    | iSS  | NL     |            | 29 | 49   |
|     |    | eSSS | NL     |            | 33 | 24   |
|     |    | Lq   | EL     |            | 39 | 00   |
|     |    | Lr   | ZL     |            | 42 | 00   |

(continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|---|---|---|
| 195  | 10    |      |       |   |   |   |

(continuación)  
seg. micr.  
iP ZS 1.2 0.28  
D=91°6=10.180 Km.

44°8N-148°9E; Ho=04-58-26.2(1.0-65)  
h=40 Km. Mag:6.0-6.4(CGS), 5 3/4(Gol)  
Islas Kuriles, sentido en Hokkaido.  
(U.S.C.G.S.)

|     |    |    |    |    |    |      |
|-----|----|----|----|----|----|------|
| 196 | 10 | iP | ZS | 05 | 32 | 25.2 |
|-----|----|----|----|----|----|------|

Dilatación  
seg. micr.  
iP ZS 1.0 0.04

26°8N-97°0E; Ho=05-20-10.3(0.8-34)  
h=33 Km. Mag:5.4(CGS) Burma. (U.S.  
C.G.S.)

|     |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|
| 197 | 10 | Lr | ZL | 09 | 01 | 00 |
|-----|----|----|----|----|----|----|

|     |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|
| 198 | 10 | Lr | ZL | 18 | 23 | 00 |
|-----|----|----|----|----|----|----|

|     |    |    |    |    |    |      |
|-----|----|----|----|----|----|------|
| 199 | 11 | iP | ZS | 22 | 50 | 42.2 |
|-----|----|----|----|----|----|------|

Dilatación  
i ZS, ZL 50 53.8  
i ZS 50 59.9  
ePP ZL 53 43  
iS NL 23 00 46  
eSS NL 06 00  
Lq EL 11 00  
Lr ZL 17 00  
seg. micr.  
iP ZS 1.3 1.11

D=80°5=8.945 Km.

57°5N-153°9W; Ho=22-38-34.6(1.0-75)  
h=29 Km. Mag:6.0(CGS), 6.5(Pas), 5.75  
(BRK), 5.75(Gol), 6.4ML(CG) Región  
Islas Kodiak, sentido en Kodiak (V).  
(U.S.C.G.S.)

|     |    |    |    |    |    |      |
|-----|----|----|----|----|----|------|
| 200 | 11 | eP | ZS | 23 | 17 | 24.0 |
|-----|----|----|----|----|----|------|

|     |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|
| 201 | 12 | Lr | ZL | 18 | 57 | 00 |
|-----|----|----|----|----|----|----|

|     |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|
| 202 | 13 | Lr | ZL | 16 | 13 | 00 |
|-----|----|----|----|----|----|----|

|     |    |                   |                |    |    |                            |
|-----|----|-------------------|----------------|----|----|----------------------------|
| 203 | 14 | ePn<br>iSn<br>eSg | ZS<br>NS<br>NS | 00 | 11 | 03.2<br>11 58.0<br>12 27.2 |
|-----|----|-------------------|----------------|----|----|----------------------------|

seg. micr.  
iSn NS 0.6 0.02

D=4°58=510 Km.

|     |    |                             |                      |    |    |                                       |
|-----|----|-----------------------------|----------------------|----|----|---------------------------------------|
| 204 | 14 | eiPn<br>e(Pg)<br>iSn<br>iSg | ZS<br>ZS<br>NS<br>NS | 00 | 33 | 50.0<br>34 15.2<br>34 46.5<br>35 12.0 |
|-----|----|-----------------------------|----------------------|----|----|---------------------------------------|

seg. micr.  
iSn NS 0.8 0.08  
iSg NS 0.6 0.13

D=4°75=528 Km.

(continúa)

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Núm. Fecha Fase Comp. H M S (continuación)

204 14 42°3N-1°5E; Ho=00-32-(33.7) h=N Premonitorio del sismo VI.-16 Marzo Pirineo Oriental (Provincia de Lérida). Numerosas sacudidas fuertemente sentidas en Porté y en Porta (Pirineo Oriental). Largamente sentido en Andorra y en Ariege (Francia). (L.C.S.S. Madrid)

205 14 iP ZS 01 58 57.2 Compresión eS EL 04 40 Lr ZL 11 00 seg. micr. iP ZS 0.8 0.06

38°6N-44°7E; Ho=01-51-44.4 (0.9-58) h=23 Km. Mag:5.3-4.8(CGS) Región fronteriza Turquía-Irán. Sentido en una amplia área. (U.S.C.G.S.)

38°6N-44°8E; Ho=01-51-48 M=5.9(Ksara), 5.2(URSS), M<sub>Lv</sub>=5.1(Wien) Azerbaijandjan, Irán. 5 muertos, muchos heridos, el pueblo de Khoroi y varios de los alrededores gravemente dañados. (B.C.I.S.)

206 14 Lr ZL 07-50 00 28°3N-43°8W; Ho=07-33-43.2(0.9-54) h=33 Km. Mag:5.2(CGS) Crosta del Atlántico Norte. (U.S.C.G.S.)

207 14 eSg NS 13 35 02.0 Lr ZS 35 25.0 Explosión?

208 14 Lr ZL 13 40 00

209 14 eiPn ZS 15 49 26.8 iPg NS 49 47.5 iSn NS 50 23.0 iSg NS 50 50.8 seg. micr. eiPn ZS 1.0 0.39 iSg NS 0.9 0.71

D=4°72=525Km.

42°5N-1°9E; Ho=15-48-10 h=N Frontera Andorra-España-Francia. Sentido grado V-VI en Andorra, V en la Seo de Urgel, V en Ariege y los Pirineos Orientales. (B.C.I.S.)

42°5N-1°9E; Ho=15-48-10.2(0.6-5) h=33 Km. Mag:4.3(CGS) Pirineos, sentido en Andorra, Francia y España. (U.S.C.G.S.)

42°4N-1°7E; Ho=15-48-10 h=N m=4.8 Pirineo Oriental (Provincia de Lérida). Sentido grado V-VI en Ando-

(continúa)

Núm. Fecha Fase Comp. H M S (continuación)

209 14 rra, V en Seo de Urgel (España), Ariege (Francia) y en los Pirineos orientales. (L.C.S.S. Madrid)

210 15 Lr ZL 07 31 00

211 15 iP ZS 12 52 15.8 Compresión ipP ZS 52 46.0 ePP ZL 56 32 ePPP ZL 58 36 iS NL 13 03 43 ePS NL 04 56 Lr ZL 23 00 seg. micr. iP ZS 1.8 0.41 D=97°7=10.855 Km.

29°7S-69°5W; Ho=12-39-17.8(0.9-118) h=119 Km. Mag:6.0(CGS) Región fronteriza Chile-Argentina. Avalancha de nieve que bloqueó la carretera, dejando aislados varios pueblos situados en los Andes. Sentido en San Juan (Argentina). (U.S.C.G.S.)

212 15 Lr ZL 16 26 00

213 16 e ZS 03 16 18.0 eSg NS 16 33.5 seg. micr. eSg NS 0.5 0.11

214 16 eiPn ZS 06 27 58.0 ePg ZS 28 22.5 iSn NS 29 54.5 iSg NS 30 21.9 seg. micr. eiPn ZS 0.5 0.17 iSg NS 0.9 0.53 D=4°74=527 Km.

42°4N-1°7E; Ho=06-26-43 Frontera Andorra-España-Francia. Sentido V-VII en Seo de Urgel, V-VI en Andorra, V en Ariege y Pirineos Orientales. (B.C.I.S.)

42°4N-1°6E; Ho=06-26-41 h=N m=4.8 Pirineo Oriental (Provincia de Lérida). (L.C.S.S. Madrid)

215 16 e(Pn) ZS 13 06 11.0 i ZS 06 25.0 iPg ZS 06 44.0 iS+ NS 07 27.5 seg. micr. iS+ NS 0.7 0.05

35°2N-0°4W; Ho=13-04-51 h=N Arge-

lia. (L.C.S.S. Madrid)



| Núm. | Fecha | Fase | Comp. | H  | M  | S  |
|------|-------|------|-------|----|----|----|
| 216  | 16    | e    | ZL    | 16 | 48 | 24 |
|      |       | ePP  | ZL    |    | 49 | 44 |
|      |       | e    | ZL    | 17 | 05 | 08 |
|      |       | Lr   | ZL    |    | 40 | 00 |

19°2S-168°5E; Ho=16-25-22.1(1.1-29)  
h=8 Km. Mag:4.9-5.7(CGS) Islas Nuevas Hébridas. (U.S.C.G.S.)

|     |    |    |              |     |      |      |
|-----|----|----|--------------|-----|------|------|
| 217 | 17 | eP | ZS           | 22  | 12   | 16.0 |
|     |    |    | (Compresión) |     |      |      |
|     |    | e  | ZS           |     | 12   | 35.8 |
|     |    | Lr | ZL           | 23  | 38   | 00   |
|     |    |    | seg. micr.   |     |      |      |
|     |    | eP | ZS           | 1.0 | 0.06 |      |

59°2N-147°9W; Ho=22-00-12.4(0.8-64)  
h=47 Km. Mag:5.1-4.8(CGS) Golfo de Alaska, sentido en la Isla Middleton (II). (U.S.C.G.S.)

|     |    |                    |            |     |      |      |
|-----|----|--------------------|------------|-----|------|------|
| 218 | 18 | ePn                | ZS         | 02  | 48   | 32.5 |
|     |    | iSn                | NS         |     | 49   | 29.0 |
|     |    | e(S <sup>+</sup> ) | NS         |     | 49   | 47.1 |
|     |    | iSg                | NS         |     | 49   | 57.1 |
|     |    |                    | seg. micr. |     |      |      |
|     |    | iSg                | NS         | 1.0 | 0.10 |      |

D=5°01=558 Km.

42°3N-2°0E; Ho=02-47-(13) h=N Réplica del sismo VI.-16 Marzo. Pirineo Oriental. (L.C.S.S. Madrid)

|     |    |     |            |     |      |      |
|-----|----|-----|------------|-----|------|------|
| 219 | 18 | e   | NS         | 12  | 38   | 23.8 |
|     |    | e   | NS         |     | 38   | 32.2 |
|     |    | iSg | NS         |     | 38   | 38.8 |
|     |    |     | seg. micr. |     |      |      |
|     |    | iSg | NS         | 0.6 | 0.12 |      |

Explosión.

|     |    |      |    |    |    |      |
|-----|----|------|----|----|----|------|
| 220 | 18 | eiPg | NS | 16 | 31 | 15.0 |
|     |    | iSg  | NS |    | 31 | 34.8 |
|     |    | L    | ZS |    | 31 | 53.5 |

Artificial?

|     |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|
| 221 | 18 | eP | ZL | 23 | 29 | 49 |
|     |    | Lr | ZL |    | 54 | 00 |

11°0N-86°0W; Ho=23-17-57.4(1.1-37)  
h=56 km. Mag:4.9(CGS) Cerca de la Costa de Nicaragua. (U.S.C.G.S.)

|     |    |        |            |    |    |      |
|-----|----|--------|------------|----|----|------|
| 222 | 19 | iP     | ZS         | 23 | 46 | 25.0 |
|     |    |        | Compresión |    |    |      |
|     |    | iPP    | ZL         |    | 50 | 00   |
|     |    | e(PPP) | ZL         |    | 51 | 24   |
|     |    | i      | NL         |    | 57 | 07   |
|     |    | iP     | NL         |    | 58 | 19   |
|     |    | iSS    | NL         | 00 | 03 | 32   |
|     |    | iSSS   | NL         |    | 07 | 06   |
|     |    | Lq     | EL         |    | 10 | 00   |
|     |    | Lr     | ZL         |    | 16 | 00   |

(continúa)

| Núm. | Fecha | Fase | Comp.           | H   | M    | S |
|------|-------|------|-----------------|-----|------|---|
| 222  | 19    |      |                 |     |      |   |
|      |       |      | (continuación)  |     |      |   |
|      |       |      | seg. micr.      |     |      |   |
|      |       | iP   | ZS              | 1.0 | 0.20 |   |
|      |       |      | D=89°=9.890 Km. |     |      |   |

51°3N-173°8E; Ho=23-33-29.1(1.0-150)  
h=16 Km. Mag:5.8-6.2(CGS), 6.5(Pas), 6.1(BRK) Islas Near, Aleutianas, sentido en Shemya. (U.S.C.G.S.)

|     |    |     |    |    |    |       |
|-----|----|-----|----|----|----|-------|
| 223 | 20 | ePP | ZS | 11 | 27 | 16.0  |
|     |    | Lr  | ZL |    | 12 | 15 00 |

5°0N-125.2E; Ho=11-07-35.6(1.1-100)  
h=65 Km. Mag:5.7(CGS) Mindanao, Islas Filipinas. (U.S.C.G.S.)

|     |    |     |            |     |      |      |
|-----|----|-----|------------|-----|------|------|
| 224 | 20 | e   | ZS         | 15  | 30   | 49.5 |
|     |    | ePg | NS         |     | 30   | 52.8 |
|     |    | iSg | NS         |     | 30   | 59.1 |
|     |    | L   | ZS         |     | 31   | 05.0 |
|     |    |     | seg. micr. |     |      |      |
|     |    | iSg | NS         | 1.0 | 0.12 |      |

Artificial?

|     |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|
| 225 | 20 | Lr | ZL | 21 | 39 | 00 |
|-----|----|----|----|----|----|----|

|     |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|
| 226 | 20 | Lr | ZL | 23 | 02 | 00 |
|-----|----|----|----|----|----|----|

|     |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|
| 227 | 20 | Lr | ZL | 23 | 34 | 00 |
|-----|----|----|----|----|----|----|

|     |    |    |    |    |    |       |
|-----|----|----|----|----|----|-------|
| 228 | 21 | eP | ZS | 02 | 52 | 31.9  |
|     |    | Lq | NL |    | 03 | 17 00 |
|     |    | Lr | ZL |    | 22 | 00    |

25°6N-109°7W; Ho=02-39-46.6(1.2-47)  
h=5 Km. Mag:5.0(CGS), 5.1(BRK) Golfo de California. (U.S.C.G.S.)

|     |    |                 |            |     |      |      |
|-----|----|-----------------|------------|-----|------|------|
| 229 | 21 | eP <sup>+</sup> | ZS         | 04  | 34   | 58.0 |
|     |    | e               | ES         |     | 35   | 47.0 |
|     |    | i(Sg)           | NS         |     | 36   | 01.0 |
|     |    |                 | seg. micr. |     |      |      |
|     |    | i(Sg)           | NS         | 0.6 | 0.06 |      |

36°7N-0°8E; Ho=04-33-30 h=N Mar Mediterraneo. (L.C.S.S. Madrid)

|     |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|
| 230 | 21 | Lr | ZL | 11 | 09 | 00 |
|-----|----|----|----|----|----|----|

|     |    |     |    |    |    |      |
|-----|----|-----|----|----|----|------|
| 231 | 21 | ePg | NS | 11 | 50 | 46.0 |
|     |    | eSg | ZS |    | 51 | 27.5 |

|     |    |     |              |    |    |      |
|-----|----|-----|--------------|----|----|------|
| 232 | 22 | iPn | NS, ZS       | 10 | 04 | 47.2 |
|     |    |     | (Dilatación) |    |    |      |

|  |  |                    |            |     |      |      |
|--|--|--------------------|------------|-----|------|------|
|  |  | i                  | ZS         |     | 05   | 20.0 |
|  |  | i                  | NS         |     | 05   | 26.5 |
|  |  | i(Sn)              | NS         |     | 05   | 58.0 |
|  |  | i(S <sup>+</sup> ) | NS         |     | 06   | 11.2 |
|  |  | iSg                | NS         |     | 06   | 23.0 |
|  |  |                    | seg. micr. |     |      |      |
|  |  | iPn                | NS         | 0.8 | 0.12 |      |
|  |  | iSg                | NS         | 0.8 | 0.32 |      |

(continúa)



Núm. Fecha Fase Comp. H M S  
 232 22 (continuación)  
 D=5°46=609 Km.  
 34°3N-3°7W; Ho=10-03-21 Rif (Marruecos). Sentido en Msoun y Taza. (B.C.I.S.)

233 22 eP<sub>1</sub> ZS 22 50 49.0  
 iP<sub>2</sub> ZS 51 07.8  
 11°3S-164°8E; Ho=22-31-16.5(0.9-28)  
 h=21 Km. Mag:5.1(CGS) Islas Santa Cruz. (U.S.C.G.S.)

234 22 eP<sub>2</sub> ZS 23 21 35.0  
 Lr ZL 00 27 00  
 53°1S-140°8E; Ho=23-01-33.2(1.2-24)  
 h=33 Km. Mag:5.0(CGS) Norte de las Islas Macquarie. (U.S.C.G.S.)

235 23 iP ZS 00 33 57.5  
 epP ZS 34 36.0  
 e ZS 36 21.0  
 iSKS NL 44 20  
 iS EL 44 50  
 iPS ZL 46 12.5  
 eSS EL 51 16  
 eSSS NL 54 40  
 Lr ZL 01 05 00  
 seg. micr.  
 iP ZS 1.0 0.06

D=91°=10.110 Km.  
 40°1N-140°2E; Ho=00-20-54.7(1.0-132)  
 h=146 Km. Mag:5.7(CGS) Honshu, Japón sentido en el N. de Honshu y S. de Hokkaido. (U.S.C.G.S.)

236 23 eiP ZS 02 03 54.0  
 Lr ZL 34 00  
 21°6N-73°1/2E; Ho=01-52-54 India. Sentido en Baroda; Bhavnagar; destructor de Broach, una veintena de muertos, alrededor de 200 heridos, 200 casas destruidas, daños en Surat (B.C.I.S.)

21°7N-73°0E; Ho=01-52-59.3(1.1-64)  
 h=3 Km. Mag:5.4(CGS) India, 26 muertos, 200 heridos y daños en propiedades. Sentido en el S. de Gujarat y Bombay. (U.S.C.G.S.)

237 23 eP ZS 12 28 15.0  
 ePP ZS 32 17.0  
 e ZL 33 15  
 Lr ZL 13 08 00

29°8N-129°3E; Ho=12-14-53.5(1.1-114)  
 h=148 Km. Mag:5.8(CGS) Islas Ryukyu. (continúa)

Núm. Fecha Fase Comp. H M S  
 237 23 (continuación)  
 Sentido en Yaku Shima (III) y Kago Shima(I). (U.S.C.G.S.)

238 23 eP ZS 21 00 29.0  
 Lq NL 04 00  
 Lr ZL 06 00  
 38°8N-20°4E; Ho=20-56-02 Islas Jónicas. Mag=5.2(Helwan), M<sub>LH</sub>=4.7(Tirana), M<sub>L</sub>=4.7(Atenas), M<sub>LV</sub>=4.6(Wien). (B.C.I.S.)

39°1N-20°5E; Ho=20-56-00.7(1.3-36)  
 h=10 Km. Mag:4.9(CGS) Región frontera Grecia-Albania. (U.S.C.G.S.)

239 23 iP ZS 23 17 18.3  
 Dilatación seg. micr.  
 iP ZS 1.2 0.12

37°1N-116°0W; Ho=23-05-00(97) h=0 Km. Mag:5.5(CGS), 5 (Pas), 5.4(BRK) Sur de Nevada 37°05'10.4"N-116°01'15.9"W. (U.S.C.G.S.)

240 24 Lr ZL 03 21 00

241 24 eiP'' ZL 10 54 40.0  
 Compresión  
 iPP ZL 57 17  
 iPKS EL 58 12  
 e ZL 11 10 24  
 eSS NL 15 00  
 eSSS NL 19 56  
 Lr ZL 35 00

D=134°7=14.965 Km.  
 22°0S-126°7E; Ho=10-35-22.1(1.0-138)  
 h=33 Km. Mag:6.2-5.9(CGS) W. de Australia. Sentido en Fitzroy (V) y Perth (II). Parece ser el 1° epicentro localizado en esta área. (U.S.C.G.S.)

242 24 Lr ZL 16 49 00  
 21°8N-126°4E; Ho=16-09-42.5(0.5-5)  
 h=33 Km. W. de Australia. (U.S.C.G.S.)

243 25 iP ZS 13 29 49.7  
 Dilatación seg. micr.  
 iP ZS 1.2 0.09

2°2S-79°0W; Ho=13-17-43.4(1.0-28)  
 h=52 Km. Mag:4.6(CGS) Cerca de la Costa de Ecuador. (U.S.C.G.S.)

244 25 iP ZS 13 33 16.0  
 Dilatación seg. micr.  
 iP ZS 1.1 0.07

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Núm. Fecha Fase Comp. H M S  
 244 25 (continuación)  
 2°45-79°1W; Ho=13-21-06.4(1.1-26).  
 h=37 Km. Mag:4.7(CGS) Cerca de la  
 Costa de Ecuador. (U.S.C.G.S.)

|     |    |        |    |            |      |      |
|-----|----|--------|----|------------|------|------|
| 245 | 26 | iP     | ZS | 19         | 12   | 18.3 |
|     |    |        |    | Compresión |      |      |
|     |    | e      | ZS | 12         | 39.0 |      |
|     |    | e      | ZS | 19         | 23.0 |      |
|     |    | e(SSS) | EL | 35         | 25   |      |
|     |    | Lr     | ZL | 40         | 00   |      |
|     |    |        |    | seg. micr. |      |      |
|     |    | iP     | ZS | 1.6        | 1.45 |      |

37°3N-116°5W; Ho=19-00-00.2(I49)  
 h=0 Km. Mag:6.5-6.3(CGS),6.2(Pas),  
 6.3(BRK) Sur de Nevada. 37°18'01.7"  
 N-116°32'02.8"W. de Nevada. Sitio  
 experimental. (U.S.C.G.S.)

|     |    |    |    |            |       |      |
|-----|----|----|----|------------|-------|------|
| 246 | 27 | iP | ZS | 04         | 38    | 17.0 |
|     |    |    |    | Compresión |       |      |
|     |    | eS | ZL | 47         | 35    |      |
|     |    | Lr | ZL | 05         | 07-00 |      |
|     |    |    |    | seg. micr. |       |      |
|     |    | iP | ZS | 1.1        | 1.45  |      |

5°6N-77°6W; Ho=04-26-42.3(0.9-73)  
 h=28 Km. Mag:5.2(CGS) Cerca de la  
 Costa W. de Colombia. (U.S.C.G.S.)

|     |    |        |    |            |       |      |
|-----|----|--------|----|------------|-------|------|
| 247 | 27 | ePdif. | ZS | 18         | 51    | 33.2 |
|     |    | eP"    | ZS | 55         | 34.0  |      |
|     |    | iPP    | ZL | 56         | 30    |      |
|     |    | i      | ZL | 57         | 48    |      |
|     |    | ePPP   | ZL | 59         | 05    |      |
|     |    | iSKS   | EL | 19         | 02    | 18   |
|     |    | iSKKS  | EL | 03         | 18    |      |
|     |    | iPS    | EL | 06         | 04    |      |
|     |    | iPPS   | ZL | 06         | 20    |      |
|     |    | iSS    | EL | 12         | 46    |      |
|     |    | iSSS   | EL | 15         | 58    |      |
|     |    | Lq     | NL | 23         | 00    |      |
|     |    | Lr     | ZL | 32         | 00    |      |
|     |    |        |    | seg. micr. |       |      |
|     |    | iPP    | ZL | 13.0       | 3.37  |      |
|     |    | Lq     | NL | 65.0       | 250.0 |      |

0°4N-119°3E; Ho=18-36-45.8(1.1-131)  
 h=8 Km. Mag:6.2-6.7(CGS),6.6(Pas),  
 6.5-6.7(BRK) Noste de las Célebes.  
 (U.S.C.G.S.)

|     |    |     |    |            |      |      |
|-----|----|-----|----|------------|------|------|
| 248 | 28 | eP  | ZS | 05         | 29   | 26.0 |
|     |    | eS  | NL | 40         | 50   |      |
|     |    | ePS | NL | 41         | 52   |      |
|     |    | eSS | NL | 46         | 42   |      |
|     |    | Lr  | ZL | 06         | 00   | 00   |
|     |    | M   | ZL | 10         | 00   |      |
|     |    |     |    | seg. micr. |      |      |
|     |    | M   | ZL | 22.0       | 1.89 |      |

(continúa)

Núm. Fecha Fase Comp. H M S  
 248 28 (continuación)  
 D=99°=11.000 Km.  
 35°3S-54°0E; Ho=05-16-16.7(1.0-38)  
 h=21 Km. Mag:5.1(CGS) Sur del Oceano  
 Indico. (U.S.C.G.S.)

|     |    |        |    |    |    |      |
|-----|----|--------|----|----|----|------|
| 249 | 28 | eP     | ZS | 08 | 05 | 25.5 |
|     |    | ePP    | ZL | 08 | 30 |      |
|     |    | e(PPP) | NL | 11 | 36 |      |
|     |    | Lr     | ZL | 53 | 00 |      |

6°3S-154°6E; Ho=07-45-59.9(1.0-92)  
 h=64 Km. Mag:5.9(CGS),5 3/4(BRK),  
 Islas Salomón, sentido en Piva(VI).  
 (U.S.C.G.S.)

|     |    |    |    |            |      |    |
|-----|----|----|----|------------|------|----|
| 250 | 28 | Lr | ZL | 10         | 29   | 00 |
|     |    | M  | ZL | 30         | 40   |    |
|     |    |    |    | seg. micr. |      |    |
|     |    | M  | ZL | 15.0       | 3.33 |    |

|     |    |    |    |            |      |      |
|-----|----|----|----|------------|------|------|
| 251 | 28 | iP | ZL | 21         | 07   | 55.5 |
|     |    |    |    | Dilatación |      |      |
|     |    | iS | EL | 12         | 35   |      |
|     |    | R  | ZL | 23         | 44   | 00   |
|     |    |    |    | seg. micr. |      |      |
|     |    | iP | ZL | 6.0        | 12.9 |      |

D=28°=3.110 Km.

39°1N-29°6E; Ho=21-02-20 Anatolia  
 (Turquia). Sismo destructor en la  
 región de Gediz. 1.086 muertos, más  
 de 5.000 heridos, 8.000 casas daña-  
 das, importantes daños y víctimas  
 en Emet y Simaw, daños más ligeros  
 en Kiitahya y algunas localidades  
 de Manisa y Afyon. Sentido en Istan-  
 bul, Ankara y Erzican y algunas Is-  
 las de Chios y Lesbos. Alrededor de  
 las 1.500 réplicas. Sentido III en  
 Skopje. Mag:7 3/4(Strasb), M<sub>LH</sub>=7.6  
 (Bensberg),7.5-7.4(Upp),7.3(Moxa),  
 M<sub>L</sub>=7.3(Moxa),7.3(Cádiz, Pasadona),  
 7.2(Coll), M<sub>pv</sub>=7.2(Bensberg), M<sub>Ly</sub>=7.1  
 (Wien), M<sub>LH</sub>=7.0(Wien),7.0(Ksare),7-  
 7 1/4(Roma), M<sub>Ly</sub>=6.9(Lisboa), M<sub>L</sub>=6.9  
 (Atenas), M<sub>LH</sub>=6.9(Pruhonic),6.6(Ti-  
 tograd), M<sub>PH</sub>=6.3(Collm), M<sub>B</sub>=6.2(Eskda  
 lemair); M<sub>pv</sub>=6.2(Collm), M<sub>LH</sub>=6.1(Bra-  
 tislava), M<sub>B</sub>=6.0(Moxa),5.7(Helwan).  
 (B.C.I.S.)

39°2N-29°5E; Ho=21-02-23.4(1.0-149)  
 h=20 Km. Mag:6.0-7.1(CGS),7.3(Pas),  
 7 1/2(BRK),7-7 1/2(Pal) Turquia,  
 1.086 muertos,1.174heridos ,8.229  
 edificios destruidos,5.586 edificios  
 dañados en Gediz y área de alrededor  
 Sentido en Anatolia, Istanbul y en  
 las Islas de Chios y Lesbos. Máxima  
 intensidad entre 39°06'N-29°21'E a

(continúa)

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Núm. Fecha Fase Comp. H M S  
 251 28 (continuación)  
 38°58'N-29°24'E y desde este punto  
 a 38°59'N-29°33'E oradó en roca 350  
 cms. (U.S.C.G.S.)

252 28 eP ZS 21 46 49.5  
 39°2N-29°6E; Ho=21-41-15 Turquia,  
 región de Gédiz. Réplica. (B.C.I.S.)  
 39°0N-29°3E; Ho=21-41-18.6(1.0-33)  
 h=33 Km. Mag:4.6(CGS) Turquia. (U.  
 S.C.G.S.)

253 28 eP ZS 22 04 49.0  
 39°2N-29°3E; Ho=21-59-10.9(1.5-34)  
 h=17 Km. Mag:4.8(CGS) Turquia. (U.  
 S.C.G.S.)

254 28 iP ZS 23 17 14.0  
 Dilatación  
 seg. micr.  
 iP ZS 1.4 0.09  
 39°1N-29°6E; Ho=23-11-39 M<sub>LH</sub>=5.1  
 (Collm), M<sub>LV</sub>=4.9(Wien). Turquia, re-  
 gión de Gédiz. Réplica. (B.C.I.S.)  
 39°2N-29°5E; Ho=23-11-44.0(1.2-91)  
 h=37 Km. Mag:5.2(CGS) Turquia. (U.S.  
 C.G.S.)

255 28 iP ZS 23 49 32.0  
 39°0N-29°7E; Ho=23-43-55 M<sub>LH</sub>=5.1  
 (Collm), M<sub>LV</sub>=5.0(Wien). Turquia, re-  
 gión de Gédiz. Réplica. (B.C.I.S.)  
 39°1N-29°8E; Ho=23-43-58.6(1.0-78)  
 h=22 Km. Mag:5.1(CGS) Turquia. (U.  
 S.C.G.S.)

256 29 eP ZS 02 10 52.0  
 39°3N-29°2E; Ho=02-05-25(1.2-30)  
 h=22 Km. Mag:4.7(CGS) Turquia. (U.S.  
 C.G.S.)

257 29 eP ZS 03 00 20.0  
 39°2N-29°8E; Ho=02-54-50 M=4.2(Upp)  
 Turquia, región de Gédiz. Réplica.  
 (B.C.I.S.)  
 39°1N-29°8E; Ho=02-54-50.8(1.3-22)  
 h=25 Km. Mag:4.3(CGS) Turquia. (U.  
 S.C.G.S.)

258 29 iP ZS 03 58 46.0  
 Dilatación  
 Lr ZL 04 22 00  
 seg. micr.  
 iP ZS 1.0 0.06  
 39°6N-75°4E; Ho=03-48-47.3(1.0-52)  
 (continúa)

Núm. Fecha Fase Comp. H M S  
 258 29 (continuación)  
 h=33 Km. Mag:5.1(CGS) Sur de la pro-  
 vincia de Sinkiang (China). (U.S.C.  
 G.S.)

259 29 eiP ZS 07 01 56.5  
 seg. micr.  
 eiP ZS 1.2 0.09  
 39°0N-29°6E; Ho=06-56-20 M<sub>LV</sub>=5.4  
 (Wien), 5.4(Upp), M<sub>LH</sub>=5.3(Atenas),  
 5 1/4(Roma), M<sub>LH</sub>=5.1(Pruhonice), M<sub>LV</sub>=  
 5.0(Tirana). Turquia, región de Gédiz.  
 Réplica. (B.C.I.S.)

39°0N-29°7E; Ho=06-56-21.9(1.1-96)  
 h=15 Km. Mag:5.3(CGS) Turquia. (U.  
 S.C.G.S.)

260 29 eiP<sub>1</sub> ZS 10 27 49.0  
 i ZS 28 19.5  
 ipP<sub>1</sub> ZL 28 46  
 eP<sub>2</sub> ZS 29 01.0  
 iSKKS NL 38 22  
 e ZL 41 58  
 iPPS NL 43 38  
 i NL 46 25  
 iSS EL 51 36  
 i(SSS) EL 53 18  
 L NL 11 00 00

17°1S-168°5E; Ho=10-08-20.3(1.0-172)  
 h=232 Km. Mag:6.0(CGS), 6 1/2(BRK),  
 6-6.5(Pas) Islas Nuevas Hébridias, sen-  
 tido en Port Vila. (U.S.C.G.S.)

261 29 eP ZS 11 53 41.5  
 21°9S-69°4W; Ho=11-41-06.7(1.2-22)  
 h=95 Km. Mag:4.6(CGS) Norte de Chile  
 (U.S.C.G.S.)

262 29 eP ZS 12 18 32.0  
 7°2S-120°6E; Ho=12-00-32.6(1.0-77)  
 h=480 Km. Mag:5.3(CGS) Mar Flores.  
 (U.S.C.G.S.)

263 29 eP ZS 14 42 38.5  
 eS EL 47 06  
 38°9N-27°9E; Ho=14-37-16.6(0.9-38)  
 h=27 Km. Mag:4.6(CGS) Turquia. (U.  
 S.C.G.S.)

38°8N-27°8E; Ho=14-37-14 Mag:4.6  
 (Upp), M<sub>LV</sub>=4.6(Wien) Anatollia Occi-  
 dental. (B.C.I.S.)

264 29 eP ZS 14 45 45.2  
 Lr ZL 52 00

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| Núm.   | Fecha | Fase | Comp. | H  | M  | S    | Núm.   | Fecha | Fase | Comp. | H  | M  | S    |
|--|-------|------|-------|----|----|------|--|-------|------|-------|----|----|------|
| 265  | 29    | eP   | ZS    | 18 | 10 | 45.0 | 273  | 30    |      |       |    |    |      |
| 37°7N-20°1E; Ho=18-06-23.1(1.2-13)<br>h=41 Km. Mag:4.4(CGS) Mar Jónico.<br>(U.S.C.G.S.)  |       |      |       |    |    |      | región de Gédiz. Réplica. (B.C.I.S.)   |       |      |       |    |    |      |
| 266  | 29    | eP   | ZS    | 19 | 17 | 22.0 | 274  | 30    | eP   | ZS    | 08 | 40 | 51.0 |
| 39°1N-29°6E; Ho=19-11-28.0 M=4.6(Upp)<br>M <sub>LV</sub> =4.6(Wien) Turquía, región de Gédiz. Réplica. (B.C.I.S.)  |       |      |       |    |    |      | 39°3N-29°2E; Ho=07-59-50.7(1.2-64)<br>h=17 Km. Mag:5.2(CGS) Turquía. (U.S.C.G.S.)  |       |      |       |    |    |      |
| 39°1N-29°3E; Ho=19-11-39.6(1.3-45)<br>h=6 Km. Mag:4.8(CGS) Turquía. (U.S.C.G.S.)   |       |      |       |    |    |      | 274 30 eP ZS 08 40 51.0<br>Lq NL 50 00   |       |      |       |    |    |      |
| 267  | 29    | eP   | ZS    | 19 | 44 | 34.0 | 275  | 30    | eP   | ZS    | 16 | 38 | 08.0 |
| 28°8N-129°9E; Ho=19-30-51.4(1.1-86)<br>h=23 Km. Mag:5.4(CGS) Islas Ryukyu.<br>(U.S.C.G.S.)   |       |      |       |    |    |      | 39°5N-29°4E; Ho=08-35-15 M <sub>L</sub> =5.0(Ate-<br>nas), M=4.9(Upp), M <sub>LH</sub> =4.5(Pruhonice)<br>Turquía, región de Gédiz. Réplica.<br>(B.C.I.S.)   |       |      |       |    |    |      |
| 268 29 eP ZS 22 32 04.0<br>Lr ZL 59 00   |       |      |       |    |    |      | 39°1N-28°9E; Ho=08-35-16.1(1.0-24)<br>h=27 Km. Mag:4.6(CGS) Turquía. (U.S.C.G.S.)  |       |      |       |    |    |      |
| 269  | 30    | eP   | ZS    | 00 | 21 | 13.5 | D=26°4=2.935 Km.   |       |      |       |    |    |      |
| 270  | 30    | eP   | ZS    | 01 | 29 | 46.5 | 39°2N-29°8E; Ho=16-32-34 M=5.3(Upp)<br>M <sub>LH</sub> =5.3(Tirana), M=5 1/4(Roma), M <sub>L</sub> =<br>5.2(Atenas), M <sub>LV</sub> =5.1(Wien), M <sub>LH</sub> =5.1<br>(Pruhonice) Turquía, región de Gédiz<br>Réplica. (B.C.I.S.) |       |      |       |    |    |      |
| 271  | 30    | iP   | ZS    | 05 | 52 | 07.3 | 39°1N-29°6E; Ho=16-32-33.4(1.1-54)<br>h=11 Km. Mag:4.9(CGS) Turquía. (U.S.C.G.S.)  |       |      |       |    |    |      |
| Dilatación<br>seg. micr.<br>iP ZS 1.1 0.10   |       |      |       |    |    |      | 276 30 iP(dif) ZL 17 01 47<br>Dilatación   |       |      |       |    |    |      |
| 272  | 30    | eP   | ZS    | 06 | 54 | 35.0 | eP <sup>n</sup> ZS 05 29.0<br>iPP ZL 06 21<br>ePPP ZL 08 30<br>iSKS NL 12 18<br>iSKKS NL 13 25<br>iPS ZL 15 40<br>iPPS EL 16 12<br>iSS EL 22 25<br>iSSP EL 23 30<br>iSSS EL 27 10<br>Lq NL 35 00<br>M NL 44 00                       |       |      |       |    |    |      |
| 39°5N-29°6E; Ho=06-49-01 M <sub>L</sub> =5.0<br>(Atenas), 4.9(Upp), M <sub>LV</sub> =4.6(Wien),<br>4 1/2 (Roma) Turquía, región de Gédiz.<br>Réplica. (B.C.I.S.) |       |      |       |    |    |      | iPPS EL seg. micr.<br>28.0 24.54   |       |      |       |    |    |      |
| 39°3N-29°3E; Ho=06-49-04.2(1.0-34)<br>h=33 Km. Mag:4.7(CGS) Turquía. (U.S.C.G.S.)  |       |      |       |    |    |      | D=110°=12.220 Km.  |       |      |       |    |    |      |
| 273  | 30    | eIP  | ZS    | 08 | 05 | 24.0 | 6°8N-126°7E; Ho=16-46-45.6(1.2-148)<br>h=76 Km. Mag:5.9(CGS), 6 1/2(BRK),<br>Mindanao, Islas Filipinas. (U.S.C.G.S.)   |       |      |       |    |    |      |
| ePP ZL 05 53<br>i ZL 07 28<br>iS NL 09 53<br>Lq EL 13 00<br>i EL 15 40<br>seg. micr.<br>eIP ZS 1.1 0.07<br>i EL 17.0 1.68  |       |      |       |    |    |      | 277 30 eP ZS 20 43 39.0  |       |      |       |    |    |      |
| D=26°4=2.935 Km.   |       |      |       |    |    |      | 38°9N-29°5E; Ho=20-38-02 M=4.5(Upp)<br>Turquía, región de Gédiz. Réplica.<br>(B.C.I.S.)  |       |      |       |    |    |      |
| 39°3N-29°3E; Ho=07-59-50 M=5.5(Upp)<br>M <sub>L</sub> =5.4(Atenas), 5.3(Wien, Tirana), M <sub>LH</sub> =<br>5.3(Collm), 5.2(Pruhonice) Turquía,<br>(continúa)    |       |      |       |    |    |      | 39°0N-29°6E; Ho=20-38-00.9(1.0-18)<br>h=5Km. Mag:4.5(CGS) Turquía. (U.S.C.G.S.)  |       |      |       |    |    |      |



| Núm.   | Fecha | Fase | Comp. | H  | M  | S    | Núm.   | Fecha | Fase | Comp. | H  | M  | S    |
|--|-------|------|-------|----|----|------|--|-------|------|-------|----|----|------|
| 278  | 30    | eP   | ZS    | 21 | 05 | 17.5 | 283  | 31    | eSg  | ZS    | 04 | 13 | 35.0 |
| 39°2N-29°3E; Ho=20-59-30.3(1.4-28)<br>h=N Mag:4.7(CGS) Turquía. (U.S.C.G.S.)   |       |      |       |    |    |      | 284 31 ePg NS 05 51 24.8<br>eSn NS 51 48.0<br>eSg NS 52 01.0   |       |      |       |    |    |      |
| 279  | 30    | Lr   | ZL    | 21 | 58 | 00   | 35°7N-9°7W; Ho=05-49-11 h=N Océano Atlántico. (I.C.S.S. Madrid)  |       |      |       |    |    |      |
| 280  | 31    | Lr   | ZL    | 00 | 28 | 00   | 285 31 eiP ZS 09 02 33.3<br>Dilatación<br>epP ZS 02 58.0<br>seg. micr.<br>eiP ZS 1.2 0.11                              |       |      |       |    |    |      |
| 281  | 31    | eP   | ZS    | 00 | 57 | 08.0 | 5°7S-80°1W; Ho=08-50-12.2(0.9-68)<br>h=69 Km. Mag:5.6(CGS), 5(BRK) Cerca del NE. de Perú. (U.S.C.G.S.)                 |       |      |       |    |    |      |
| 39°3N-29°7E; Ho=00-51-34 ML=4.8(Atenas), 4.4(Upp) Turquía, región de Gédiz. Réplica. (B.C.I.S.)  |       |      |       |    |    |      | 286 31 eiP ZS 18 30 50.0<br>(Compresión)<br>iS NL 40 44<br>eSS NL 46 12<br>eSSS EL 49 40<br>Lq NL 51 40<br>Lr ZL 52 20 |       |      |       |    |    |      |
| 39°4N-29°3E; Ho=00-51-35.6(1.1-37)<br>h=14 Km. Mag:4.7(CGS) Turquía. (U.S.C.G.S.)  |       |      |       |    |    |      | D=78°8=8,755 Km.   |       |      |       |    |    |      |
| 282  | 31    | iP   | ZS    | 03 | 52 | 25.8 | 3°8S-69°7E; Ho=18-18-25.2(1.2-92)<br>h=33 Km. Mag:5.5-5.7(CGS) Región del Archipiélago de Chagos. (U.S.C.G.S.)         |       |      |       |    |    |      |
| D=29°6=3,290 Km.   |       |      |       |    |    |      | 39°1N-29°9E; Ho=03-46-48.3(1.0-60)<br>h=15 Km. Mag:4.8(CGS) Turquía. (U.S.C.G.S.)                                      |       |      |       |    |    |      |
| 38°9N-29°7E; Ho=03-46-47 ML=5.0<br>(Atenas); M=4 3/4-5(Roma), MLH=4.9<br>(Tirana), MLV=4.8(Wien), 4.7(Upp) Turquía, región de Gédiz. Réplica. (B.C.I.S.) |       |      |       |    |    |      |  |       |      |       |    |    |      |

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