

| Núm. | Día | Fase | Comp. | H | M | S |
|------|-----|------|-------|----|----|----|
| 3 | 2 | iP | ZS | 05 | 14 | 34 |

Dilatación

53° N - 159° E; Ho=05-01-53,5;
(0.6-32); h=40 Kms.; Mag. 4.9 SD
0.4 (CGS); Kamchatka. (U.S.C.G.S.)

| | | | | | | |
|---|---|-----|----|----|----|----|
| 4 | 2 | eiP | ZS | 05 | 33 | 36 |
| | | i | ZS | | 33 | 47 |

54° N - 161° E; Ho=05-21-00,5;
(0.6-28); h=33 Kms.; Mag. 4.9 SD
0.2 (CGS); Kamchatka. (U.S.C.G.S.)

| | | | | | | |
|---|---|------------------|----|----|----|----|
| 5 | 2 | eiP ₂ | ZS | 19 | 35 | 30 |
|---|---|------------------|----|----|----|----|

Puente microsismo

8° S - 157° E; Ho=19-15-23,9
(1.0-21); h=33 Kms.; Mag. 5.5 SD
0.3 (CGS). Islas Salomón. Sentido
en Lunda. (U.S.C.G.S.)

| | | | | | | |
|---|---|-----------------|----|----|----|----|
| 6 | 3 | iP ₂ | ZS | 21 | 44 | 39 |
|---|---|-----------------|----|----|----|----|

20° S - 178° W; Ho=21-24-56,3;
(0.8-28); h=520 Kms.; Mag. 5.3
(CGS); Islas Fidji. (U.S.C.G.S.)

| | | | | | | |
|---|---|-----|----|---------------|-----|------|
| 7 | 4 | ieP | ZS | 12 | 16 | 30 |
| | | iPg | NS | | 16 | 34,5 |
| | | i | NS | | 16 | 36,5 |
| | | i | NS | | 16 | 38 |
| | | i | NS | seg. micrones | 0.7 | 0.10 |

Trazas.

| | | | | | | |
|---|---|------------------|----|----|----|----|
| 8 | 5 | eiP ₁ | ZS | 10 | 32 | 09 |
| | | eiP ₂ | ZS | | 33 | 05 |
| | | Lr | ZL | 11 | 45 | 00 |

26° S - 175° W; Ho=10-11-53
(0.9-28); h=31 Kms.; Mag. 5.1 SD
0.3 (CGS); Región Islas Ke madec.
(U.S.C.G.S.)

| | | | | | | |
|---|---|------------------|----|----|----|------|
| 9 | 5 | eiP ₂ | ZS | 16 | 46 | 19,5 |
|---|---|------------------|----|----|----|------|

Trazas.

61° S - 154° E; Ho=16-25-52,6;
(1.0-10); h=33 Kms.; Región Islas
Macquerie (U.S.C.G.S.)

| | | | | | | |
|----|---|------|----|---------------|------|-----|
| 10 | 5 | ePP | ZL | 17 | 02 | 36 |
| | | ePPP | ZL | | 04 | 36 |
| | | iS | NL | 10 | 32 | |
| | | eSS | NL | 15 | 58 | |
| | | Lq | NL | 32 | 00 | |
| | | Lr | ZL | 39 | 00 | |
| | | M | ZL | 52 | 00 | |
| | | M | ZL | seg. micrones | 22.0 | 3.8 |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|---|---|---|
| 10 | 5 | | | | | |

(Continuación)

21° N - 121° E; Ho=16-44-16,9
(1.0-8); h=33 Kms.; Fuera de la
costa Sur de Taiwan. (U.S.C.G.S.)

| | | | | | | |
|----|---|-----|----|----|----|------|
| 11 | 5 | iP | ZS | 18 | 45 | 53,5 |
| | | ipP | ZS | | 46 | 29 |

dilatación

8° S - 75° W; Ho=18-33-54,7;
(0.7-48); h=150 Kms.; Mag. 5.2 SD
0.4 (CGS); Centro de Perú.
(U.S.C.G.S.)

| | | | | | | |
|----|---|------|----|---------------|------|--------------|
| 12 | 5 | eiP | ZL | 23 | 59 | 38 |
| | | | | | | (dilatación) |
| | | iPP | ZL | | 03 | 32 |
| | | iSKS | NL | | 10 | 10 |
| | | iS | EL | | 10 | 59 |
| | | iPS | NL | | 12 | 20 |
| | | ePFS | ZL | | 13 | 40 |
| | | iSS | NL | | 17 | 10 |
| | | iSSP | ZL | | 17 | 38 |
| | | iSSS | NL | | 20 | 14 |
| | | iSa | EL | | 24 | 28 |
| | | Lq | EL | | 25 | 00 |
| | | Lr | ZL | | 31 | 00 |
| | | | | seg. micrones | | |
| | | iPS | NL | 18.0 | 8.6 | |
| | | Lr | ZL | 56.0 | 23.4 | |

D=10.910 Kms.=98°2

52° S - 28° E; Ho=23-46-10,7;
(1.1-28); h=33 Kms.; Región Islas
Príncipe Eduardo. (U.S.C.G.S.)

Una clara Sa atraviesa el continen-
te africano longitudinalmente con
velocidad 4.70, un poco más alta
que la Sa a través de Eurasia.

| | | | | | | |
|----|---|----|----|----|----|------|
| 13 | 6 | iP | ZS | 06 | 08 | 14,5 |
| | | Lr | ZL | | 43 | 00 |

compresión

27° N - 127° E; Ho=05-54-42,7
(1.0-35); h=110 Kms.; Mag. 5.7
SD 0.4 (CGS); Islas Ryukyu.
(U.S.C.G.S.)

| | | | | | | |
|----|---|-----|----|----|----|----|
| 14 | 6 | eiP | ZS | 15 | 17 | 23 |
|----|---|-----|----|----|----|----|

Trazas.

44° N - 82° E; Ho=15-07-09,6;
(0.9-19); h=33 Kms.; Mag. 4.5
(CGS); Provincia de Sinkiang.
China. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|---------------|------------|------|------|
| 15 | 6 | iP | ZS | 23 | 58 | 12 |
| | | | | compresión | | |
| | | i | ZS | | 58 | 30,5 |
| | | i | ZS | | 58 | 37,5 |
| | | iPP | ZL | 00 | 01 | 40 |
| | | iPa | ZL | | 05 | 04 |
| | | iSKS | NL | | 08 | 40 |
| | | iS | NL | | 08 | 59 |
| | | iPS | ZL | | 10 | 20 |
| | | eSS | ZL | | 15 | 00 |
| | | iSSS | NL | | 18 | 30 |
| | | iSa | EL | | 21 | 50 |
| | | Lq | EL | | 22 | 00 |
| | | Lr | ZL | | 28 | 00 |
| | | M | ZL | | 44 | 00 |
| | | | seg. micrones | | | |
| | | Lr | ZL | 40.0 | 4.2 | |
| | | M | ZL | 20.0 | 12.2 | |

D=9.980 Kms.=89°8

50°9 N - 157°3 E; Ho=23-45-23,4;
(1.0-48); h=33 Kms.; Mag. 5.6 SD
0.1 (CGS); Sur de Kamchatka.
(U.S.C.G.S.)

| | | | | | | |
|----|---|------|---------------|-----|------|------|
| 16 | 7 | eiPn | ZS | 03 | 20 | 21,5 |
| | | ep* | ZS | | 20 | 36 |
| | | ePg | ZS | | 20 | 56,5 |
| | | eSn | NS | | 21 | 43 |
| | | e | NS | | 22 | 05 |
| | | iSg | ZS | | 22 | 16,5 |
| | | | seg. micrones | | | |
| | | Sg | ZS | 0.9 | 0.01 | |

| | | | | | | |
|----|---|-----|----|----|----|----|
| 17 | 7 | ePP | ZL | 05 | 41 | 48 |
| | | Lr | ZL | 06 | 31 | 00 |

88°8 S - 149°4 E; Ho=05-18-24,5;
(1.0-8); h=33 Kms.; Región Islas
Macquarie. (U.S.C.G.S.)

| | | | | | | |
|----|---|----|----|----|----|----|
| 18 | 7 | eS | EL | 12 | 58 | 00 |
| | | Lr | ZL | 13 | 21 | 00 |

Trazas.

66°8 S - 26°1 W; Ho=12-32-54,5;
(0.3-6); h=33 Kms.; Mag. 5.6 (CGS)
Islas Sandwich. (U.S.C.G.S.)

| | | | | | | |
|----|---|-------|---------------|-----|------|------|
| 19 | 8 | eP | NS | 01 | 22 | 26 |
| | | i(Sg) | ZS | | 23 | 07,5 |
| | | i | NS | | 23 | 12 |
| | | | seg. micrones | | | |
| | | i | NS | 0.7 | 0.05 | |

trazas.

| | | | | | | |
|----|---|-----|---------------|-----|------|----|
| 20 | 8 | e | NS | 07 | 47 | 31 |
| | | eSg | NS | | 48 | 09 |
| | | | seg. micrones | | | |
| | | eSg | NS | 0.6 | 0.12 | |

Trazas.

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|---------------|-----|------|------|
| 21 | 8 | iPg | ZS | 09 | 12 | 47,5 |
| | | iSn | ES | | 13 | 13,5 |
| | | iS* | NS | | 13 | 19 |
| | | i | NS | | 13 | 21 |
| | | iSg | ZS | | 13 | 23,5 |
| | | | seg. micrones | | | |
| | | i | NS | 0.4 | 0.07 | |
| | | iSg | ZS | 0.6 | 0.05 | |

D=306 Kms.=2°75

| | | | | | | |
|----|---|----|----|----|----|----|
| 22 | 8 | iP | ZS | 12 | 03 | 01 |
|----|---|----|----|----|----|----|

Trazas.

| | | | | | | |
|----|---|-----|------------|----|----|------|
| 23 | 8 | iP | ZS | 22 | 49 | 30,5 |
| | | | compresión | | | |
| | | ePP | ZS | | 50 | 54 |
| | | eSS | ZL | 23 | 05 | 52 |
| | | Lr | ZL | | 30 | 00 |

3°7 S - 119°4 E; Ho=22-30-49,7
(1.0-30); h=90 Kms.; Mag. 5.2
(CGS); Islas Célebes. Siete muertos,
11 heridos y algunos daños en
Pinrang (U.S.C.G.S.)

| | | | | | | |
|----|---|----|----|----|----|----|
| 24 | 9 | iP | ZS | 03 | 12 | 33 |
| | | Lr | ZL | | 46 | 00 |

41°7 N - 141°9 E; Ho=02-59-21,6;
(0.5-29); h=50 Kms.; Mag. 5.0 SD
0.3 (CGS); Fuera y al norte de la
costa de Hokkaido. Japón.
(U.S.C.G.S.)

| | | | | | | |
|----|---|----|----|----|----|----|
| 25 | 9 | Lr | ZL | 09 | 39 | 00 |
|----|---|----|----|----|----|----|

Trazas.

| | | | | | | |
|----|---|-------|---------------|-----|------|------|
| 26 | 9 | i(Sg) | NS | 12 | 49 | 22,5 |
| | | | seg. micrones | | | |
| | | i(Sg) | NS | 0.6 | 0.02 | |

Trazas. Peninsular.

| | | | | | | |
|----|---|------|---------------|------|-----|----|
| 27 | 9 | iP | ZS | 18 | 44 | 58 |
| | | | compresión | | | |
| | | iPP | ZL | | 48 | 40 |
| | | iPPP | ZL | | 50 | 25 |
| | | iPa | ZL | | 52 | 24 |
| | | iS | NL | | 55 | 44 |
| | | iPS | NL,ZL | | 57 | 29 |
| | | iSS | NL | 19 | 02 | 00 |
| | | iSSS | NL | | 05 | 15 |
| | | iSa | ZL | | 09 | 28 |
| | | Lq | EL | | 12 | 00 |
| | | Lr | ZL,NL | | 14 | 00 |
| | | Lr | ZL | | 18 | 30 |
| | | M | ZL | | 28 | 00 |
| | | | seg. micrones | | | |
| | | iPS | NL | 18.0 | 5.3 | |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|------|---------------|------|----|------|--|-------|-------|-------|-----|------|------|
| 27 | 9 | | Continuación. | | | | 31 | 12 | iPP | ZS | 11 | 35 | 24,5 |
| | | iSS | NL | 36.0 | | 4.4 | | | Lr | ZL | 12 | 20 | 00 |
| | | M | ZL | 22.0 | | 11.6 | | | | | | | |
| D=9.945 Kms.=89°5 | | | | | | | 5°4 S - 146°8 E; Ho=11-13-19,6 (0.7-44); h=229 Kms.; Mag. 5.6 SD 0.4 (CGS); Cerca de la costa NE de Nueva Guinea. (U.S.C.G.S.) | | | | | | |
| 45°5 N - 150°9 E; Ho=18-31-52,4; (0.7-16); h=40 Kms.; Mag. 5.6 (CGS) Islas Kuriles (U.S.C.G.S.) | | | | | | | 32 | 12 | eiP | ZS | 12 | 53 | 50 |
| | | | | | | | | | eSS | ZL | 13 | 04 | 17 |
| | | | | | | | | | Lr | ZL | | 12 | 00 |
| 28 | 10 | iP | ZS | 05 | 04 | 05,5 | 31°5 N - 49°4 E; Ho=12-45-51,1; (1.3-6); h=67 Kms.; Mag. 5.2 (CGS) Oeste del Irán. Sentido en Khon- zestan. (U.S.C.G.S.) | | | | | | |
| | | | | | | | compresión | | | | | | |
| | | iPP | ZL | | 08 | 12 | | | | | | | |
| | | iS | NL | | 15 | 06 | | | | | | | |
| | | iPS | ZL | | 16 | 01 | | | | | | | |
| | | iPPS | NL | | 17 | 00 | | | | | | | |
| | | iSS | EL | | 20 | 30 | | | | | | | |
| | | iSSS | EL | | 24 | 48 | | | | | | | |
| | | Lr | ZL | | 34 | 00 | | | | | | | |
| | | M | ZL | | 48 | 00 | | | | | | | |
| | | | | | | | seg. micrones | | | | | | |
| | | M | ZL | 23.0 | | 16.4 | | | | | | | |
| D=10.335 Kms.=93° | | | | | | | 33 | 12 | iPn | NS | 21 | 25 | 37 |
| | | | | | | | dilatación | | | | | | |
| | | | | | | | | | iPg | NS | | 25 | 45,5 |
| | | | | | | | | | iSg | NS | | 26 | 22 |
| | | | | | | | | | M | NS | | 30 | 00 |
| | | | | | | | seg. micrones | | | | | | |
| | | | | | | | | | iSg | NS | 0.9 | 0.50 | |
| | | | | | | | | | M | NS | 0.7 | 0.67 | |
| 42° N - 142°6 E; Ho=04-50-53,4; (0.5-23); h=33 Kms.; Mag. 5 3/4 - 6 (Bks); 5.5 SD 0.3 (CGS); Cerca de la costa sur de Hokkaido. Japón. (U.S.C.G.S.) | | | | | | | D=384 Kms.=3°45 36°9 N - 3° 3/4 W; Ho=21-24-51; España. Al sur de Granada. (B.C.I.S.) | | | | | | |
| 29 | 10 | eS | NL | 17 | 21 | 28 | 37°2 N - 3°8 W; Ho=21-24-52,5; h=33 Kms. Mag. 4.7; Próximo a Lá- char (Granada). Sentido en Grana- da y Málaga IV. (L.C.S.S.Madrid) | | | | | | |
| | | iPS | ZL | | 23 | 06 | | | | | | | |
| | | eSS | NL | | 28 | 00 | | | | | | | |
| | | Lr | ZL | | 45 | 00 | | | | | | | |
| | | M | ZL | | 55 | 00 | | | | | | | |
| | | | | | | | seg. micrones | | | | | | |
| | | M | ZL | 22.0 | | 2.2 | | | | | | | |
| 45°4 N - 150° E; Ho=16-57-26,5; (0.9-27); h=50 Kms.; Mag. 5.4 SD 0.2 (CGS); Islas Kuriles (U.S.C. G.S.) | | | | | | | 34 | 13 | ePn | ZS | 04 | 44 | 39 |
| | | | | | | | seg. micrones | | | | | | |
| | | | | | | | | | eP* | NS | | 44 | 47,5 |
| | | | | | | | | | eSn | ZS | | 45 | 32 |
| | | | | | | | | | eS* | NS | | 45 | 44 |
| | | | | | | | | | eSg | NS | | 45 | 55 |
| | | | | | | | | | M | NS | | 46 | 00 |
| | | | | | | | seg. micrones | | | | | | |
| | | | | | | | | | M | NS | 0.8 | 0.15 | |
| 30 | 12 | iP | ZS | 06 | 12 | 52,5 | 38°2 N - 9°3 W; Ho=04-43-30; Mag. 4.5. h=33 Kms.; Sur de Lis- boa. (L.C.S.S.Madrid). Cerca de la costa de Portugal. | | | | | | |
| | | | | | | | dilatación | | | | | | |
| | | ePP | ZS | | 16 | 10 | | | | | | | |
| | | iS | EL | | 24 | 19 | | | | | | | |
| | | iPS | NL | | 23 | 28 | | | | | | | |
| | | iSS | NL | | 28 | 56 | | | | | | | |
| | | Lr | ZL | | 36 | 00 | | | | | | | |
| | | M | ZL | | 53 | 00 | | | | | | | |
| | | | | | | | seg. micrones | | | | | | |
| | | M | ZL | 19.0 | | 4.4 | | | | | | | |
| D=9.480 Kms.=85°3 | | | | | | | 35 | 14 | ePP | ZS | 16 | 00 | 15 |
| | | | | | | | Tormenta microsismica. | | | | | | |
| | | | | | | | | | iPPP | ZS | | 00 | 42 |
| 53°2 N - 166°3 W; Ho=06-00-13,2; (0.7-76); h=33 Kms.; Mag. 5.5 SD 0.4 (CGS). Islas Fox. Aleutianas (U.S.C.G.S.) | | | | | | | 5°2 S - 150°8 E; Ho=15-38-15,8; (0.7-39); h=169 Kms.; Mag. 5.6 SD 0.4 (CGS); Cerca de la costa N de Nueva Bretaña. Sentido en Rabaul. (U.S.C.G.S.) | | | | | | |
| | | | | | | | 36 | 15 | i | ZS | 15 | 45 | 20 |
| | | | | | | | | | i(Sg) | ZS | | 45 | 23 |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 35 | 15 | i | ZS | 15 | 45 | 42 |

Brazas.

| | | | | | | |
|----|----|------|---------------|------------|------|------|
| 37 | 15 | iP | ZS | 21 | 50 | 02,5 |
| | | | | Dilatación | | |
| | | iPP | ZS | 54 | 19 | |
| | | eS | NL | 22 | 01 | 37 |
| | | iPS | ZL | 03 | 18 | |
| | | iSS | ZL | 09 | 18 | |
| | | iSSS | ZL | 12 | 28 | |
| | | Lq | NL | 19 | 00 | |
| | | Lr | ZL | 23 | 30 | |
| | | M | ZL | 41 | 00 | |
| | | | seg. micrones | | | |
| | | M | ZL | 22.0 | 18.0 | |

D=11.290 Kms.=101°6

29°1 N - 140°8 E; Ho=21-36-05;
 (0.7-23); h=70 Kms. Mag. 6 3/4
 (Pas). 6.4 (CGS); Sur de Honshu.
 Japón. (U.S.C.G.S.)

| | | | | | | |
|----|----|-----|---------------|-----|------|----|
| 38 | 16 | ePn | NS | 14 | 11 | 04 |
| | | eP* | ZS | 11 | 12,5 | |
| | | iPg | ZS | 11 | 19,5 | |
| | | eSn | ZS | 11 | 53,5 | |
| | | iS* | ZS | 12 | 06 | |
| | | iSg | NS,ZS | 12 | 12 | |
| | | | seg. micrones | | | |
| | | iSg | ZS | 0.8 | 0.15 | |

D=450 Kms.=4°05

| | | | | | | |
|----|----|------|----|----|----|----|
| 39 | 17 | eP | ZS | 03 | 07 | 24 |
| | | i | ZL | 14 | 25 | |
| | | eS | ZL | 18 | 46 | |
| | | eSSS | NL | 28 | 30 | |
| | | Lr | ZL | 53 | 00 | |

45°4 N - 151°3 E; Ho=02-54-22,6;
 (0.9-48); h=55 Kms.; Mag. 5.1 SD
 0.5 (CGS); Islas Kuriles. (U.S.C.
 G.S.)

| | | | | | | |
|----|----|-------|---------------|------------|-----|------|
| 40 | 17 | iP' | ZS | 03 | 33 | 20,5 |
| | | | | Dilatación | | |
| | | iP' | ZS | 33 | 30 | |
| | | iP' | ZS | 34 | 38 | |
| | | iP' | ZS | 35 | 00 | |
| | | iSKSP | NL | 46 | 09 | |
| | | Lr | ZL | 04 | 21 | 00 |
| | | M | ZL | 27 | 00 | |
| | | | seg. micrones | | | |
| | | M | ZL | 20.0 | 2.0 | |

D=300 Kms.

12°3 S - 167°1 E; Ho=03-13-56,3;
 (0.7-15); h=230 Kms.; Mag. 4.7
 0.3 (CGS); Islas Sta. Cruz.
 (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 41 | 18 | Lr | ZL | 08 | 07 | 00 |

32°5 S - 103°7 W; Ho=07-10-22*
 (0.5-8); h=33 Kms.; Mag. 4.5 SD
 0.5 (CGS). Región Isla de Pascua
 (U.S.C.G.S.)

| | | | | | | |
|----|----|------|---------------|--------------|------|----|
| 42 | 18 | iF | ZL | 12 | 18 | 17 |
| | | | | (compresión) | | |
| | | iPP | ZL | 22 | 24 | |
| | | iPPP | ZL | 24 | 37 | |
| | | iPa | ZL | 27 | 15 | |
| | | iSKS | NL | 29 | 03 | |
| | | iS | NL | 29 | 54 | |
| | | iPS | ZL | 31 | 15 | |
| | | iPPS | ZL | 31 | 51 | |
| | | i | EL | 33 | 15 | |
| | | iSS | EL | 36 | 33 | |
| | | iSSS | NL | 40 | 07 | |
| | | iSa | NL | 45 | 30 | |
| | | Lq | NL | 46 | 08 | |
| | | Lr | ZL | 52 | 00 | |
| | | M | EL | 14 | 00 | 00 |
| | | | seg. micrones | | | |
| | | iP | ZL | 9.0 | 1.9 | |
| | | iPS | ZL | 12.0 | 3.3 | |
| | | M | ZL | 20.0 | 61.9 | |

D=11.355 Kms.=102°2

23°1 N - 120°5 E; Ho=12-04-40;
 (0.9-47); h=33 Kms.; Mag. 6 3/4
 (Pas) 6 3/4 - 7 (Bks) 6 1/2 - 6
 3/4 (Pal); 6.1 (CGS); Taiwan 110
 muertos, 479 heridos. (U.S.C.G.S.)

| | | | | | | |
|----|----|-----|----|------------|------|------|
| 43 | 18 | iP | ZS | 22 | 46 | 13,5 |
| | | | | compresión | | |
| | | ipP | ZS | 46 | 38 | |
| | | i | ZS | 46 | 49,5 | |
| | | Lr | ZL | 23 | 04 | 00 |

18°8 N - 69°4 W; Ho=22-36-17,6;
 (0.7-35); h=95 Kms.; Mag. 5.3 SD
 0.3 (CGS); República Dominicana.
 (U.S.C.G.S.)

| | | | | | | |
|----|----|----|----|----|----|----|
| 44 | 19 | iP | ZS | 07 | 19 | 44 |
| | | Lr | ZL | 39 | 00 | |

9°2 S - 158°2 E; Ho=07-00-03,3;
 (0.7-11); h=32 Kms.; Mag. 5.7
 (CGS); Islas Salomón. (U.S.C.G.S.)

| | | | | | | |
|----|----|----|----|------------|----|------|
| 45 | 19 | iP | ZS | 09 | 22 | 41,5 |
| | | | | compresión | | |
| | | Lr | ZL | 39 | 00 | |

26°9 N - 54° E; Ho=09-13-53,5;
 (0.7-28); h=33 Kms.; Mag. 5.5 SD
 0.5 (CGS); Cerca de la costa sur
 del Irán. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|---|--|----|----|--|--|-------|--|--|----|----|---|
| 46 | 19 | iP Lr | ZS ZL | 17 | 23 | 55,5 54 00 | 51 | 23 | iP ₁ iP ₂ iPP eSKS iPPP eSKSP iPPS iSS eSSS i Lq | ZS ZS ZL NL NL, ZL EL ZL EL ZL EL | 00 | 19 | 38 19 47,5 23 08 26 20 27 13 33 40 36 10 43 00 48 17 54 36 01 00 00 |
| 44°1 N - 145° E; Ho=17-10-46,1; (1.0-13); h=33 Kms.; Mag. 4.6 SD 0.3 (CGS); Cerca de la costa E de Hokkaido, Japón. (U.S.C.G.S.) | | | | | | | D=16.310 Kms.=146°8 13°7 S - 165°9 E; Ho=23-59-43,6 (1.0-51); h=33 Kms.; Mag. 6.0 SD 0.3 (CGS); Islas Nuevas Hébridias (U.S.C.G.S.) | | | | | | |
| 47 | 20 | iP ₁ iP ₂ eP ₂ iPP iPP iSKS iSKS ePPP iSKKS iSKKKS i iSS isSS eSSS isSSS Lr | ZS ZS ZS ZL ZL ZL ZL ZL ZL NL NL EL NL NL ZL | 17 | 28 | 21,5 29 02 29 15 32 47 33 18 35 05 35 45 36 33 38 29 39 18 43 44 52 49 53 50 58 20 18 00 40 24 00 | 52 | 23 | iP | ZS | 15 | 29 | 19 Compresión |
| D=17.820 Kms.=160°4; h=170 Kms. 20°7 S - 169°9 E; Ho=17-08-37,4; (0.8-45); h=141 Kms.; Mag. 6 3/4 (Pas); 6.1 (CGS); Región Islas Loyalty. (U.S.C.G.S.) | | | | | | | 36°9 N - 71°2 E; Ho=15-19-31,6; (1.0-17); h=28 Kms.; Mag. 4.4 (CGS); Región Hindu Kush, (U.S.C.G.S.) | | | | | | |
| 48 | 21 | iLr | ZL | 23 | 20 | 00 | 53 | 24 | Lr | ZL | 06 | 37 | 00 |
| 10°6 N- 125°3 E; Ho=22-18-13; (1.1-20); h=53 Kms.; Mag. 5.2 (CGS); Cerca de la costa de Leyte Islas Filipinas. (U.S.C.G.S.) | | | | | | | Trazas. 54 24 iP ZS 17 29 51,5 compresión iP ZS 31 57,5 ePP ZL 33 41 iPPP ZL 35 42 iSKS NL 39 28 eS EL 40 04 i ZL 41 16 i(SS) NL 44 52 e(SSS)NL 49 23 iSSS NL 50 46 e(Sa) NL 54 26 Lq NL 18 04 00 | | | | | | |
| 49 | 22 | iLr | ZL | 03 | 08 | 00 | 55 | 24 | iP ₂ Lr | ZS ZL | 21 | 33 | 03,5 22 28 00 |
| 15°8 S - 75°2 W; Ho=02-15-29,1; (1.2-11); h=33 Kms.; Mag. 4.7 (CGS); Cerca de la costa S. de Chile. (U.S.C.G.S.) | | | | | | | D=10.200 Kms.=91°8; h=540 Kms. 38°7 N - 129°4 E; Ho=17-17-45,5; (1.0-50); h=542 Kms.; Mag. 5.3 SD 0.3 (CGS). Cerca de la costa E de Corea. (U.S.C.G.S.) | | | | | | |
| 50 | 22 | iP epP ePP ePPP iS isS ePS eSS Lq Lr | ZS ZL ZL ZL EL EL EL NL NL NL ZL | 16 | 10 | 57 11 14 14 20 16 06 21 02 21 30 22 20 27 36 36 30 43 00 | 56 | 25 | eIP Lr | ZS ZL | 01 | 10 | 02 20 30 |
| D=9.110 Kms.=82°; h=70 Kms. 22°4 N - 93°6 E; Ho=15-58-46,5; (1.0-41); h=88 Kms.; Mag. 6.1 SD 0.2 (CGS); Burma. (U.S.C.G.S.) | | | | | | | 21°7 S - 176°2 W; Ho=21-12-23,2; (0.6-16); h=32 Kms.; Mag. 4.8 SD 0.3 (CGS); Islas Tonga. (U.S.C.G.S.) | | | | | | |
| Trazas. 56 25 eIP ZS 01 10 02 Lr ZL 20 30 | | | | | | | Trazas. 56 25 eIP ZS 01 10 02 Lr ZL 20 30 | | | | | | |

Núm. Fecha Fase Comp. H M S
 57 25 Lr ZL 04 26 00

Trazas.

58 26 iP ZS,ZL 09 21 54
 compresión

| | | | |
|------|----|----|------|
| ipP | ZL | 22 | 26 |
| i | ZS | 22 | 51,5 |
| iPP | ZL | 25 | 37 |
| iPPP | ZL | 27 | 00 |
| iPa | ZL | 29 | 04 |
| iS | EL | 32 | 08 |
| isS | EL | 32 | 56 |
| iPPS | EL | 34 | 00 |
| iSS | EL | 37 | 40 |
| isSS | EL | 38 | 46 |
| eSSS | NL | 41 | 24 |
| i | NL | 42 | 40 |
| iSa | NL | 45 | 24 |
| Lc | NL | 44 | 00 |
| Lr | ZL | 49 | 00 |

seg. micrones

| | | | |
|----|----|------|------|
| iP | ZS | 4.0 | 12.0 |
| iS | EL | 8.0 | 17.0 |
| Lr | ZL | 46.0 | 13.2 |

D=9.445 Kms.=85°; h=130 Kms.

16°3 S - 71°7 W; Ho=09-09-33,9;
 (0.9-77); h=116 Kms.; Mag. 6.1 SD
 0.3 (CGS); Sur del Perú. 6 heridos
 y algunos daños en Arequipa.
 (U.S.C.G.S.)

59 27 iP ZS 01 20 11,5
 dilatación

| | | | |
|------|----|----|----|
| iPP | ZL | 21 | 40 |
| iPPP | ZL | 23 | 16 |
| iS | NL | 26 | 36 |
| iSS | NL | 29 | 26 |
| Lc | EL | 30 | 30 |
| Lr | ZL | 31 | 00 |

seg. micrones

| | | | |
|----|----|------|-----|
| Lr | ZL | 43.0 | 4.4 |
|----|----|------|-----|

D.=4.835 Kms=43°5

02-17°9 W; Ho=01-12-23,5; (0.9-45);
 h=33 Kms.; Mag. 5.3 SD 0.3 (CGS);
 Océano Atlántico Medio. (U.S.C.G.S.)

60 27 i ZS 14 40 10,5
 iSg NS 40 15,5
 N NS 40 20
 seg. micrones

| | | | |
|---|----|-----|-----|
| N | NS | 0.6 | 0.1 |
|---|----|-----|-----|

Sismo artificial.

61 28 Lr ZL 05 05 36

Débil.

43°3 N - 125°9 W; Ho=04-56-48,6;
 (Continúa)

Núm. Fecha Fase Comp. H M S
 61 28 (Continuación)

(0.3-6); h=17 Kms.; Mag. 4.5 (CGS)
 Fuera de la costa de Oregón.
 (U.S.C.G.S.)

62 28 iP ZS 14 13 45
 compresión

| | | | |
|--------------------------------|----|----|----|
| ipP | ZL | 19 | 30 |
| isP | ZL | 19 | 51 |
| iPP | ZL | 20 | 54 |
| ipPP | ZL | 21 | 44 |
| iPPP | NL | 22 | 08 |
| ipPPP | ZL | 23 | 09 |
| eS | NL | 26 | 33 |
| iPS | EL | 27 | 00 |
| isS | NL | 27 | 47 |
| iSS | NL | 29 | 40 |
| isSS | NL | 31 | 18 |
| iSSS | NL | 32 | 56 |
| iP ₁ P ₁ | ZS | 48 | 35 |
| ip ₁ P ₁ | ZS | 49 | 32 |

seg. micrones

| | | | |
|------|----|------|------|
| iP | ZS | 2.0 | 16.4 |
| isP | ZL | 18.0 | 15.3 |
| ipPP | ZL | 10.0 | 10.0 |
| iPS | EL | 34.0 | 16.8 |
| iSSS | NL | 38.0 | 17.9 |

D=6.535 Kms.=58°8; h=200 Kms.

36° N - 71°6 E; Ho=14-09-12
 h=220 Kms.; Hindu Kush (BCIS)

36°5 N - 70°9 E; Ho=14-09-17,1;
 (0.3-74); h=207 Kms.; Mag. 6.1 SD
 0.4 (CGS); Hindu Kush. Sentido
 al Norte del Pakistán. (U.S.C.G.S.)

63 29 eiPn ZS 01 48 39,3
 dilatación

| | | | |
|-----|-------|----|------|
| eP* | ZS | 48 | 43,5 |
| iPg | ZS,NS | 48 | 47 |
| iSn | NS | 49 | 13 |
| eS* | NS | 49 | 18 |
| iSg | ZS | 49 | 24 |

seg. micrones

| | | | |
|-----|----|-----|------|
| iPg | ZS | 0.8 | 0.21 |
| iSg | ZS | 0.8 | 0.66 |

D=317 Kms.=2°85

37° N - 3°30 W; Ho=01-47-51;
 h=33 Kms.; Sentido en Granada
 (España). (B.C.I.S.)

37°3 N - 3°7 W; Ho=01-47-51; h=33
 Kms.; Mag. 4.7. Próximo a Pinos
 Puente (Granada). Sentido grado
 VI en Granada. (I.C.S.S. Madrid)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|------|-------|------|-------|----|----|------|
| 64 | 29 | eP* | ZS | 02 | 03 | 07 | 67 | 30 | iP | ZS | 17 | 51 | 29,5 |
| | | iPg | NS | | 03 | 11 | | | ipP | ZS | | 51 | 37 |
| | | iSg | NS | | 03 | 47 | | | ePP | ZS | | 52 | 06 |
| | | | | | | | | | iS | EL | | 56 | 22 |
| | | | | | | | | | iSS | NL | | 57 | 38 |
| | | | | | | | | | iSSS | ZL | | 58 | 19 |

compresión

D=344 Kms.=3^o1

37^o3 N - 3^o7 W; Ho=02-02-12;
Mag. 4.2; Réplica del anterior.
Sentido grado III en Granada.
(L.C.S.S. Madrid).

D=3.500 Kms.=31^o5

36^o5 N - 30^o5 E; Ho=17-45-42;
Mag. 5.5 (Collmberg). Costa del
Sur de Turquía. (Golfo de Adalia.
(B.C.I.S.)

37^o N - 3^o30 W; Ho=02-02-36; Sen-
tido en Granada. (España) (B.C.I.S.)

| | | | | | | |
|----|----|-----|----|----|----|------|
| 65 | 29 | iPn | NS | 02 | 03 | 28,5 |
| | | iPg | NS | | 03 | 35,5 |
| | | iSg | NS | | 04 | 12 |

37^o3 N - 29^o9 E; Ho=17-45-54,6;
(0.9-40); h=41 Kms.; Mag. 5.3 SD
0.2 (CGS); Cerca de la costa SW de
Turquía. (U.S.C.G.S.)

D=315 Kms.=2^o85

37^o N - 3^o30 W; Ho=02-02-43;
Réplica. Sentido en Granada.
(B.C.I.S.)

| | | | | | | |
|----|----|----|----|----|----|----|
| 68 | 31 | Lr | ZL | 04 | 53 | 00 |
|----|----|----|----|----|----|----|

37^o3 N - 3^o7 W; Ho=02-02-36;
Mag. 4.5 Réplica del anterior.
(L.C.S.S. Madrid).

Trazas.
61^o5 N - 151^o9 W - Ho=04-17-12,4;
(1.0-38); h=33 Kms.; Mag. 4.9 SD
0.2 (CGS); Sur de Alaska. (U.S.C.G.S.)

| | | | | | | |
|----|----|----|----|----|----|----|
| 66 | 30 | Lr | ZL | 06 | 22 | 00 |
|----|----|----|----|----|----|----|

24^o5 N - 108^o6 W; Ho=05-39-44,6;
(1.5-24); h=49 Kms.; Mag. 4.5 SD
0.3 (CGS); Golfo de California.
(U.S.C.G.S.)

Instituto Geográfico y Catastral

OBSERVATORIO CENTRAL GEOPISICO
"ALFONSO REY PASTOR"
TOLEDO

MOVIMIENTO MICROSISMICO

Mes de Enero de 1.964.

N - S

E - W

| Día | O | | VI | | XII | | XVIII | | Car | O | | VI | | XII | | XVIII | | Car |
|-----|----|----|----|----|-----|----|-------|----|-----|----|----|----|----|-----|----|-------|----|-----|
| | T | A | T | A | T | A | T | A | | T | A | T | A | T | A | T | A | |
| 1 | 65 | 11 | 60 | 13 | 60 | 11 | 50 | 16 | 2 | 55 | 07 | 50 | 10 | 50 | 09 | 45 | 08 | 2 |
| 2 | 60 | 11 | 60 | 14 | 70 | 17 | 70 | 20 | 1 | 50 | 07 | 50 | 08 | 60 | 13 | 70 | 14 | 1 |
| 3 | 60 | 24 | 70 | 20 | 65 | 20 | 65 | 14 | 1 | 50 | 19 | 60 | 12 | 70 | 16 | 60 | 13 | 1 |
| 4 | 70 | 13 | 70 | 12 | 70 | 09 | 70 | 12 | 1 | 60 | 12 | 70 | 09 | 60 | 09 | 60 | 09 | 1 |
| 5 | 70 | 13 | 50 | 12 | 50 | 08 | 50 | 08 | 2 | 60 | 08 | 50 | 09 | 50 | 06 | 50 | 06 | 2 |
| 6 | 50 | 05 | 50 | 09 | 50 | 10 | 50 | 08 | 3 | 50 | 04 | 50 | 04 | 50 | 07 | 50 | 06 | 3 |
| 7 | 50 | 07 | 50 | 06 | 60 | 07 | 50 | 07 | 3 | 50 | 07 | 50 | 06 | 60 | 05 | 60 | 06 | 3 |
| 8 | 55 | 07 | 45 | 06 | 45 | 08 | 45 | 09 | 2 | 60 | 06 | 45 | 05 | 40 | 05 | 40 | 04 | 2 |
| 9 | 45 | 06 | 50 | 05 | 35 | 07 | 35 | 06 | 2 | 45 | 06 | 40 | 06 | 35 | 05 | 40 | 04 | 2 |
| 10 | 35 | 07 | .. | .. | 45 | 08 | 35 | 06 | 2 | 50 | 04 | .. | .. | 50 | 06 | 50 | 04 | 2 |
| 11 | 40 | 11 | 50 | 05 | 35 | 07 | 40 | 12 | 2 | 50 | 06 | 50 | 07 | 40 | 08 | 60 | 04 | |
| 12 | 40 | 08 | 45 | 12 | 45 | 13 | 40 | 24 | 3 | 35 | 07 | 40 | 08 | 40 | 08 | 40 | 09 | |
| 13 | 50 | 20 | 40 | 23 | 70 | 38 | 70 | 32 | 2 | 50 | 17 | 50 | 13 | 70 | 26 | 60 | 24 | 2 |
| 14 | 50 | 50 | 70 | 33 | 60 | 31 | 60 | 28 | 1 | 70 | 22 | 60 | 30 | 70 | 22 | 70 | 25 | 1 |
| 15 | 70 | 29 | 60 | 23 | 60 | 24 | 70 | 16 | 1 | 60 | 18 | 70 | 20 | 60 | 14 | 60 | 12 | 1 |
| 16 | 80 | 19 | 70 | 20 | 50 | 16 | 60 | 14 | 1 | 90 | 17 | 70 | 14 | 50 | 09 | 50 | 13 | 1 |
| 17 | 60 | 08 | 45 | 13 | 50 | 09 | 55 | 14 | 2 | 55 | 09 | 50 | 09 | 50 | 07 | 50 | 06 | 2 |
| 18 | 50 | 08 | 45 | 09 | 50 | 12 | 60 | 08 | 2 | 40 | 07 | 50 | 08 | 70 | 06 | 70 | 07 | 2 |
| 19 | 55 | 10 | 70 | 10 | 50 | 09 | 50 | 09 | 1 | 60 | 06 | 65 | 11 | 65 | 10 | 50 | 07 | 1 |
| 20 | 60 | 11 | 65 | 10 | 60 | 07 | 50 | 09 | 2 | 60 | 09 | 50 | 09 | 40 | 05 | 50 | 07 | 2 |
| 21 | 45 | 08 | 50 | 08 | 60 | 07 | 50 | 06 | 2 | 50 | 07 | 45 | 06 | 50 | 07 | 50 | 06 | 2 |
| 22 | 60 | 08 | 55 | 07 | 50 | 09 | 55 | 05 | 2 | 60 | 05 | 60 | 06 | 45 | 05 | 50 | 08 | 2 |
| 23 | 60 | 08 | 65 | 07 | 60 | 06 | 60 | 08 | 1 | 50 | 06 | 60 | 08 | 50 | 06 | 60 | 04 | 1 |
| 24 | 55 | 07 | 50 | 08 | 50 | 07 | 50 | 07 | 2 | 55 | 06 | 50 | 07 | 60 | 06 | 60 | 04 | 2 |
| 25 | 50 | 05 | 50 | 05 | 45 | 06 | 45 | 05 | 2 | 45 | 05 | 50 | 03 | 45 | 04 | 40 | 04 | 2 |
| 26 | 60 | 04 | 45 | 07 | 50 | 04 | 60 | 07 | 3 | 40 | 04 | 45 | 05 | 50 | 06 | 55 | 04 | 3 |
| 27 | 60 | 06 | 50 | 05 | 60 | 07 | 50 | 06 | 2 | 60 | 05 | 60 | 04 | 50 | 04 | 50 | 04 | 2 |
| 28 | 50 | 05 | 60 | 06 | 55 | 07 | 50 | 05 | 2 | 45 | 05 | 45 | 05 | 50 | 05 | 50 | 04 | 2 |
| 29 | 70 | 05 | 60 | 08 | 50 | 08 | 50 | 12 | 2 | 50 | 05 | 50 | 06 | 40 | 06 | 40 | 08 | 2 |
| 30 | 40 | 11 | 50 | 09 | 60 | 09 | 50 | 09 | 2 | 45 | 07 | 40 | 09 | 55 | 06 | 60 | 06 | 2 |
| 31 | 50 | 11 | 55 | 08 | 60 | 10 | 60 | 11 | 2 | 55 | 08 | 60 | 08 | 60 | 07 | 50 | 10 | 2 |

Los números de las columnas T representan décimas de segundo, y los números de las columnas A décimas de micron.

G. Payo
Director

Ana G. Menor.

Instituto Geográfico y Catastral

OBSERVATORIO CENTRAL GEOFISICO
"ALFONSO REY PASTOR"
DE TOLEDO (ESPAÑA)

Naturaleza del terreno: Mioceno Superior

Coordenada de la Estación:

L = 39°52'53"
M = 04°02'55"
Z = 480,46 m

FEBRERO 1964

CONSTANTES DE LOS SISMOGRAFOS:

| Aparato | Masa Kg | Periodo T_0 | Rozamiento $\frac{r}{T_0^2}$ | Amplitud V | Amortgto. δ |
|-------------|------------|------------------|---------------------------------|---------------|-----------------------|
| Wiechert ZT | 1200 | 3.4 | 0.095 | 2390 | 8.4 |
| " EP | 1000 | 10.6 | 0.025 | 780 | 3.7 |
| " NT | 1000 | 11.6 | 0.010 | 760 | 5.9 |
| " EX | 800 | 7.9 | 0.026 | 440 | 3.6 |
| " NX | 800 | 7.5 | 0.033 | 505 | 5.9 |

| Aparato | Periodo péndulo T | Periodo Galv. T ₁ | Amortgto. μ^2 | Amplitud máxima A _m |
|-----------------|-------------------------|------------------------------------|----------------------|-----------------------------------|
| Sprengnether ZG | 1.70 | 1.70 | 0.38 | -- |
| " EG | 14.3 | 14.3 | 0.30 | 1.780 |
| " NG | 13.0 | 13.0 | -0.31 | 1.735 |

Equipos Standard.

1º.-Sprengnether (Standard) de periodo largo, (Tp=30 s. Tg=100 s.)
Sus componentes serán designadas por ZL, EL, NL.

2º.-Beniof (Standard) de periodo corto (Tp=1.0 s. Tg=0,75 s.) Sus
componentes serán designadas por ZS, ES, NS.

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|----------------|----------------|----|----|------------------------------------|---|-------|----------|----------|----|----|------------------------------|
| 69 | 1 | eiP Lr | ZS ZL | 02 | 00 | 42,5 30 00 | 70 | 1 | | | | | |
| 1964 N - 66°3 W; Ho=22-53-15; (0.7-32); h=37 Kms.; Mag. 4.5 (CGS); Fuera de la costa N. de Puerto Rico. (U.S.C.G.S.) | | | | | | | | | | | | | |
| 1964 N - 170°8 W; Ho=01-47-52,1; (0.6-35); h=34 Kms.; Mag. 5. - 5 1/4 (Pal); 5.2 SD 0.2 (CGS); Islas Fox. Aleutianas. (U.S.C.G.S.) | | | | | | | | | | | | | |
| 70 | 1 | iP eS Lr | ZS EL ZL | 23 | 02 | 57 compresión 10 56 20 00 | 71 | 2 | iP Lr | ZS ZL | 06 | 43 | 51 compresión 07 08 00 |
| =6.490 Kms.=58°4 (Continúa) | | | | | | | 62 N - 82°5 W - Ho=06-31-54,4; (1.0-28); h=44 Kms.; Mag. 4.8 SD 0.2 (CGS); Fuera de la costa Sur de Panamá. (U.S.C.G.S.) | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 72 | 2 | ePP | ZL | 09 | 12 | 32 |
| | | eSKS | NL | | 19 | 02 |
| | | iPS | ZL | | 21 | 50 |
| | | eSSS | ZL | | 31 | 36 |
| | | Lq | NL | | 44 | 00 |
| | | Lr | ZL | | 49 | 00 |

24°2 N - 122°6 E; Ho=08-54-48,3;
(0.9-22); h=28 Kms.; Mag. 5.0 SD
0.2 (CGS); Cerca de la costa E de
Taiwan. (U.S.C.G.S.)

| | | | | | | |
|----|---|----|----|----|----|------------|
| 73 | 3 | iP | ZS | 08 | 56 | 10,5 |
| | | | | | | Compresión |
| | | Lr | ZL | 09 | 26 | 00 |

31°5 N - 114°2 W; Ho=08-43-36,3;
(1.2-19); h=14 Kms.; Mag. 4.6 SD
0.3 (CGS); Golfo de California.
(U.S.C.G.S.)

| | | | | | | |
|----|---|-----|----|-----|----|---------------|
| 74 | 4 | ePn | ZS | 05 | 51 | 43 |
| | | eP* | ZS | | 51 | 47,5 |
| | | ePg | ZS | | 51 | 52 |
| | | eSn | NS | | 52 | 18,5 |
| | | iSg | NS | | 52 | 27,5 |
| | | | | | | seg. micrones |
| | | ePg | ZS | 0.6 | | 0.02 |
| | | iSg | NS | 0.8 | | 0.03 |

| | | | | | | |
|----|---|----|----|----|----|----|
| 75 | 4 | Lr | ZL | 10 | 48 | 00 |
|----|---|----|----|----|----|----|

48°2 N - 154°4 E; Ho=10-02-21,4;
(0.6-20); h=40 Kms. Mag. 4.8 SD
0.3 (CGS); Islas Kuriles.
(U.S.C.G.S.)

| | | | | | | |
|----|---|-------|----|----|----|------|
| 76 | 5 | i | NS | 03 | 24 | 59 |
| | | i(Sg) | ZS | | 25 | 03,5 |

Trazas.

| | | | | | | |
|----|---|------|----|------|----|---------------|
| 77 | 5 | iP | ZS | 11 | 43 | 42 |
| | | | | | | dilatación |
| | | iPP | ZL | | 47 | 46 |
| | | iPPP | ZL | | 49 | 56 |
| | | iPa | ZL | | 53 | 00 |
| | | iS | NL | | 54 | 50 |
| | | iPS | ZL | | 56 | 46 |
| | | iPPS | ZL | | 57 | 29 |
| | | iSS | NL | 12 | 02 | 04 |
| | | iSSS | ZL | | 05 | 02 |
| | | eSa | EL | | 10 | 25 |
| | | Lq | EL | | 12 | 16 |
| | | Lr | ZL | | 16 | 00 |
| | | M | ZL | | 20 | 00 |
| | | | | | | seg. micrones |
| | | M | ZL | 24.0 | | 10.3 |

D=10.535 Kms.=94°8

36°5 N - 141° E; Ho=11-30-15,7;
(0.8-59); h=46 Km. Mag. 6 1/4
(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|---|---|----------------|
| 77 | 5 | | | | | (Continuación) |

(Pas); 5.4 SD 0.3 (CGS); Centro de
Honshu. Japón. Sentido en Tokyo.
(U.S.C.G.S.)

| | | | | | | |
|----|---|------------------|----|----|----|------------|
| 78 | 5 | iP ₂ | ZS | 11 | 55 | 09 |
| | | | | | | Compresión |
| | | epP ₂ | ZS | | 57 | 52 |

Enmascarado por el anterior.

19°7 S - 179°8 W; Ho=11-35-18,6;
(0.6-27); h=414 Kms.; Mag. 5.5
SD 0.3 (CGS); Región Islas Fidji.
(U.S.C.G.S.)

| | | | | | | |
|----|---|------|-------|------|----|---------------|
| 79 | 6 | iP | ZS | 13 | 19 | 43,5 |
| | | | | | | dilatación |
| | | iP | ZL | | 19 | 44,5 |
| | | | | | | compresión |
| | | i | ZS | | 20 | 18 |
| | | iPP | ZL,NL | | 22 | 56 |
| | | iPPP | ZL | | 24 | 34 |
| | | iPa | NL,ZL | | 26 | 15 |
| | | iS | EL | | 29 | 58 |
| | | iPS | NL,ZL | | 30 | 52 |
| | | iSS | NL | | 35 | 19 |
| | | iSSS | NL | | 38 | 38 |
| | | iSa | EL | | 41 | 08 |
| | | Lq | EL | | 41 | 15 |
| | | Lr | ZL | | 45 | 30 |
| | | M | ZL | | 56 | 00 |
| | | | | | | seg. micrones |
| | | iP | ZS | 19.0 | | 30.6 |
| | | iPP | ZL | 22.0 | | 9.6 |
| | | iPPP | ZL | 15.0 | | 5.0 |
| | | iS | EL | 22.0 | | 0.01 |
| | | Lr | ZL | 38.0 | | 124.0 |
| | | M | ZL | 23.0 | | 185.0 |

Violento.

D=9.220 Kms.=83°; Mag. 7 (Tol).

55°7 N - 155°8 W; Ho=13-07-25,2
(1.0-66); h=33 Kms.; Mag. 6 3/4 -
7 (Pas); 6 1/2 - 6 3/4 (Bks); 6
3/4 - 7 (Pal). Región Isla Ko-
diak. (U.S.C.G.S.)

| | | | | | | |
|----|---|----|----|----|----|----|
| 80 | 6 | Lr | ZL | 20 | 04 | 00 |
|----|---|----|----|----|----|----|

Trazas.

| | | | | | | |
|----|---|----|----|----|----|----|
| 81 | 7 | Lr | ZL | 11 | 41 | 30 |
|----|---|----|----|----|----|----|

Trazas.

| | | | | | | |
|----|---|-----|----|----|----|----|
| 82 | 7 | eiP | ZS | 13 | 12 | 14 |
| | | ipP | ZS | | 12 | 26 |
| | | Lr | ZL | | 44 | 00 |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|-------|-------|---------------|------|----|
| 96 | 14 | iP" | ZL | 16 | 48 | 52 |
| | | | | compresión | | |
| | | ipP" | ZS | 49 | 11 | |
| | | iPP | ZL | 52 | 04 | |
| | | iPPP | ZL | 55 | 16 | |
| | | iSKS | ZL | 56 | 30 | |
| | | iSKSP | NL | 17 | 02 | 04 |
| | | iPPS | NL | 04 | 20 | |
| | | i | NL | 09 | 20 | |
| | | iSS | NL | 11 | 18 | |
| | | iSSS | EL | 15 | 20 | |
| | | iSa | ZL,NL | 28 | 18 | |
| | | Lq | NL | 30 | 40 | |
| | | Lr | ZL | 39 | 20 | |
| | | M | ZL | 52 | 00 | |
| | | | | seg. micrones | | |
| | | iP" | ZL | 29.0 | 11.0 | |
| | | M | ZL | 24.0 | 11.6 | |

D=15.845 Kms.=142°6

5°1 S - 151°7 E; Ho=16-29-45.
(1.2-48); h=55 Kms.; Mag. 5 3/4
(Pas); 6.0 SD 0.3 (CGS). Sentido
en Nueva Bretaña. (U.S.C.G.S.)

| | | | | | | |
|----|----|----|----|----|------|----|
| 97 | 16 | iP | ZS | 21 | 57 | 32 |
| | | i | ZS | 57 | 41,5 | |
| | | Lr | ZL | 22 | 47 | 00 |

Trazas.

| | | | | | | |
|----|----|-------|----|---------------|------|------|
| 98 | 17 | iPg | NS | 10 | 41 | 44,5 |
| | | | | dilatación | | |
| | | i | NS | 42 | 04 | |
| | | i(Sg) | NS | 42 | 11,5 | |
| | | | | seg. micrones | | |
| | | i(Sg) | NS | 0.8 | 0.03 | |

| | | | | | | |
|----|----|------|----|----|------|----|
| 99 | 17 | i(S) | ZS | 12 | 23 | 48 |
| | | i | NL | 25 | 24 | |
| | | i | NL | 25 | 40,5 | |

46°57 N - 8°13 E; Ho=12-19-01;
Suiza, al Sur de Lucerna. Sentido en
el cantón de Unterwalden. (B.C.I.S.)

47°2 N - 8°5 E; Ho=12-19-02,9;
(1.0-9); h=33 Kms.; Mag. 4.6 (CGS)
Suiza. Algunos daños en Unterwalden
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|------------|----|------|
| 100 | 18 | iP | ZS | 04 | 00 | 26,5 |
| | | | | dilatación | | |

27°5 N - 91°1 E; Ho=03-48-35,6;
(1.4-25); h=30 Kms.; Mag. 5.6 (CGS)
Bhutan. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 101 | 18 | Lq | NL | 08 | 10 | 00 |

38°8 N - 28°5 W; Ho=08-01-49*
(0.7-8); h=33 Kms.; Mag. 4.6 (CGS)
Islas Azores. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|------------|----|----|
| 102 | 18 | iP | ZS | 12 | 23 | 39 |
| | | | | compresión | | |
| | | iPP | ZL | 24 | 33 | |
| | | iS | NL | 27 | 13 | |
| | | L | NL | 28 | 00 | |

D=2.190 Kms.=19°7
38°8 N - 28°4 W; Ho=12-19-20,6;
(0.6-22); h=33 Kms.; Mag. 4.5
(CGS); Islas Azores. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 103 | 18 | Lq | NL | 13 | 20 | 30 |
|-----|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|-----|----|-----|----|---------------|------|----|
| 104 | 19 | iPn | ZS | 02 | 45 | 55 |
| | | | | compresión | | |
| | | ip* | ZS | 46 | 02,5 | |
| | | iPg | ZS | 46 | 13,5 | |
| | | iSn | ZS | 46 | 44 | |
| | | iS* | NS | 46 | 57 | |
| | | iSg | ES | 47 | 07 | |
| | | | | seg. micrones | | |
| | | iSg | ES | 0.8 | 0.15 | |

D=456 Kms.=4°10

35°7 N - 3°3 W; Ho=02-44-48;
h=33 Kms.; Mag. 4.3. Mar de Al-
borán. Sentido en Melilla.
(L.C.S.S. Madrid).

| | | | | | | |
|-----|----|-----|----|----|----|----|
| 105 | 19 | i | ZS | 02 | 57 | 30 |
| | | iSg | ES | 57 | 42 | |

Trazas.

| | | | | | | |
|-----|----|-----|----|------------|----|------|
| 106 | 20 | iP | ZS | 11 | 07 | 13,5 |
| | | | | dilatación | | |
| | | ipP | ZS | 07 | 24 | |
| | | Lr | ZL | 51 | 00 | |

44°6 N - 150° E; Ho=09-53-51,1;
(0.7-53); h=50 Kms.; Mag. 5.2
SD 0.2 (CGS); Islas Kuriles.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 107 | 20 | Lr | ZL | 13 | 43 | 00 |
|-----|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|-----|----|-------|----|----|------|----|
| 108 | 20 | iP | ZS | 16 | 55 | 18 |
| | | i(Sg) | ZS | 55 | 37,5 | |
| | | i | NS | 56 | 05,5 | |

Sismo cortísimo. Posiblemente
artificial.

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|------|-------|------|-------|---|-------|-----|------|----|
| 109 | 21 | iP | ZS | 17 | 19 | 06,5 | 114 | 27 | (Continuación) | | | | |
| | | iPP | ZS | 19 | 15,5 | | | | (0.9-8); h=33 Kms.; Cerca de la costa de Tanganika. (U.S.C.G.S.) | | | | |
| | | iS | NL | 22 | 48 | | | | | | | | |
| | | Lq | NL | 23 | 16 | | | | | | | | |
| | | Lr | ZL | 24 | 00 | | 115 | 27 | iP | ZS | 15 | 23 | 02 |
| | | | | | | | | | compresión | | | | |
| | | | | | | | | | ipP | ZS | 23 | 29 | |
| | | | | | | | | | iPP | ZS | 26 | 14,5 | |
| | | | | | | | | | iS | EL | 33 | 11 | |
| | | | | | | | | | iPS | NL | 33 | 55 | |
| | | | | | | | | | iSS | NL | 39 | 12 | |
| | | | | | | | | | Lq | NL | 45 | 25 | |
| | | | | | | | | | Lr | ZL | 50 | 00 | |
| | | | | | | | | | seg. micrones | | | | |
| | | | | | | | | | iP | ZS | 1.5 | 3.7 | |
| | | | | | | | | | D=2.280 Kms.=20°5 | | | | |
| | | | | | | | | | 38°3 N - 28°7 W; Ho=17-14-45* ; | | | | |
| | | | | | | | | | (0.9-21); h=33 Kms.= Mag. 4.8 SD | | | | |
| | | | | | | | | | 0.2 (CGS); Islas Azores. | | | | |
| | | | | | | | | | (U.S.C.G.S.) | | | | |
| 110 | 22 | Lr | ZL | 18 | 43 | 00 | | | | | | | |
| | | | | | | | | | D=9.220 Kms=83°; h=100 Kms. | | | | |
| | | | | | | | | | 21°7 N - 94°4 E; Ho=15-10-48,4; | | | | |
| | | | | | | | | | (0.7-50); h=102 Kms.; Mag. 6.4 SD | | | | |
| | | | | | | | | | 0.4 (CGS); Centro de Burma. | | | | |
| | | | | | | | | | (U.S.C.G.S.) | | | | |
| 111 | 23 | iP | ZS | 22 | 45 | 54,5 | 116 | 27 | iPn | NS | 15 | 41 | 35 |
| | | i | ZS | 45 | 57,5 | | | | iP* | NS | 41 | 39,5 | |
| | | iPP | ZL | 46 | 11 | | | | iPg | NS | 41 | 43 | |
| | | i | ZS | 46 | 13,5 | | | | iSg | ES | 42 | 19,5 | |
| | | iS | ZL | 49 | 48 | | | | seg. micrones | | | | |
| | | Lr | ZL | 51 | 32 | | | | iSg | ES | 0.2 | 0.51 | |
| | | M | ZL | 53 | 00 | | | | D=306 Kms.= 2°75 | | | | |
| | | | | | | | | | 117 27 i ZS 16 04 23 | | | | |
| | | | | | | | | | i ZS 04 35,5 | | | | |
| | | | | | | | | | i(Sn) ZS,NS 04 44 | | | | |
| | | | | | | | | | i NS 04 49,5 | | | | |
| | | | | | | | | | i NS 04 55 | | | | |
| | | | | | | | | | iSg NS 04 58,5 | | | | |
| | | | | | | | | | seg. micrones | | | | |
| | | | | | | | | | iSg NS 0.8 0.15 | | | | |
| | | | | | | | | | Trazas. | | | | |
| | | | | | | | | | 118 27 iSg NS 17 49 22 | | | | |
| | | | | | | | | | seg. micrones | | | | |
| | | | | | | | | | iSg NS 0.9 0.05 | | | | |
| | | | | | | | | | Trazas. | | | | |
| | | | | | | | | | 119 29 eiP ZS 09 19 39 | | | | |
| | | | | | | | | | Trazas. | | | | |
| | | | | | | | | | D=2.400= 21°6 | | | | |
| | | | | | | | | | 39°1 N - 24°1 E; Ho=22-41-04; | | | | |
| | | | | | | | | | h=33 Kms.; Mar Egeo al NE de las Islas de Eubée. Fuertemente sentido en Lamia. (B.C.I.S.) | | | | |
| | | | | | | | | | 39°2 N - 23°7 E; Ho=22-41-06,3; | | | | |
| | | | | | | | | | (1.0-39); h=33 Kms.; Mag. 4.5 SD | | | | |
| | | | | | | | | | 0.2 (CGS); Mar Egeo. Sentido en Atenas. (Grecia) (U.S.C.G.S.) | | | | |
| 112 | 24 | iP | ZS | 23 | 35 | 14 | | | | | | | |
| | | | | | | | | | Fuerte microsismo. | | | | |
| | | | | | | | | | 33°9 N - 23°9 E. Ho=23-30-26; | | | | |
| | | | | | | | | | h=33 Kms.; Mar Egeo al NE de la Isla de Eubée. (B.C.I.S.) | | | | |
| | | | | | | | | | 30°2 N - 23°8 E; Ho=23-30-24,6; | | | | |
| | | | | | | | | | (1.0-16); h=16 Kms.; Mag. 4.4 | | | | |
| | | | | | | | | | (CGS); Mar Egeo. (U.S.C.G.S.) | | | | |
| 113 | 25 | Lq | NL | 01 | 20 | 30 | | | | | | | |
| | | Lr | ZL | | | 22 00 | | | | | | | |
| | | | | | | | | | Trazas. | | | | |
| 114 | 27 | Lq | NL | 03 | 05 | 30 | | | | | | | |
| | | Lr | ZL | | | 12 00 | | | | | | | |
| | | | | | | | | | 7°6 S - 39°6 E; Ho=02-32-23,7; | | | | |
| | | | | | | | | | (Continúa) | | | | |

Instituto Geográfico y Catastral

OBSERVATORIO CENTRAL GEOFISICO
 "ALFONSO REY PASTOR"
 TOLEDO

MOVIMIENTO MICROSISMICO

Mes de Febrero de 1.964

N - S

E - W

| Día | N | | | | Car | E | | | | Car | | | | | |
|-----|----|----|----|----|-----|-----|----|-------|----|-----|----|----|----|----|---|
| | O | | VI | | | XII | | XVIII | | | | | | | |
| | T | A | T | A | | T | A | T | A | | | | | | |
| 1 | 60 | 11 | 55 | 14 | 2 | 50 | 13 | 50 | 13 | 2 | 50 | 08 | 50 | 08 | 2 |
| 2 | 65 | 08 | 50 | 08 | 2 | 50 | 07 | 60 | 07 | 2 | 45 | 07 | 55 | 07 | 2 |
| 3 | 60 | 08 | 60 | 06 | 2 | 50 | 06 | 50 | 04 | 2 | 50 | 06 | 50 | 06 | 2 |
| 4 | 45 | 05 | 55 | 07 | 2 | 50 | 06 | 50 | 06 | 2 | 50 | 04 | 50 | 07 | 2 |
| 5 | 60 | 11 | 60 | 08 | 2 | 50 | 12 | 60 | 08 | 2 | 60 | 06 | 60 | 06 | 2 |
| 6 | 50 | 09 | 50 | 09 | 2 | 50 | 06 | 50 | 07 | 2 | 45 | 07 | 50 | 07 | 2 |
| 7 | 50 | 09 | 60 | 08 | 2 | 50 | 09 | 50 | 09 | 2 | 50 | 10 | 50 | 10 | 2 |
| 8 | 50 | 09 | 50 | 09 | 2 | 50 | 10 | 50 | 11 | 2 | 70 | 04 | 60 | 04 | 2 |
| 9 | 65 | 04 | 60 | 04 | 2 | 70 | 03 | 60 | 04 | 2 | 40 | 07 | 40 | 06 | 2 |
| 10 | 45 | 08 | 40 | 09 | 3 | 50 | 06 | 40 | 06 | 3 | 50 | 04 | 50 | 04 | 3 |
| 11 | 45 | 05 | 50 | 03 | 3 | 50 | 05 | 45 | 04 | 3 | 45 | 04 | 40 | 04 | 3 |
| 12 | 50 | 05 | 50 | 05 | 3 | 45 | 03 | 35 | 04 | 3 | 45 | 05 | 50 | 04 | 3 |
| 13 | 60 | 11 | 50 | 13 | 2 | 60 | 06 | 50 | 09 | 2 | 40 | 07 | 45 | 17 | 2 |
| 14 | 65 | 14 | 70 | 16 | 2 | 50 | 17 | 70 | 24 | 2 | 60 | 13 | 60 | 11 | 2 |
| 15 | 70 | 21 | 55 | 20 | 2 | 60 | 15 | 70 | 15 | 2 | 50 | 15 | 50 | 14 | 2 |
| 16 | 60 | 12 | 50 | 17 | 2 | 50 | 16 | 50 | 14 | 2 | 50 | 11 | 45 | 07 | 2 |
| 17 | 50 | 12 | 50 | 15 | 3 | 50 | 08 | 40 | 08 | 3 | 40 | 08 | 50 | 06 | 3 |
| 18 | 40 | 06 | 50 | 12 | 2 | 50 | 07 | 50 | 09 | 2 | 50 | 08 | .. | .. | 2 |
| 19 | .. | .. | .. | .. | 2 | .. | .. | .. | .. | 2 | .. | .. | .. | .. | 2 |
| 20 | 60 | 17 | 55 | 09 | 2 | 50 | 09 | 50 | 13 | 2 | 50 | 14 | 50 | 07 | 2 |
| 21 | 70 | 10 | 60 | 11 | 2 | 60 | 10 | 70 | 09 | 2 | 60 | 09 | 50 | 08 | 2 |
| 22 | 60 | 11 | 70 | 12 | 2 | 60 | 12 | 60 | 09 | 2 | 50 | 11 | 50 | 09 | 2 |
| 23 | 55 | 11 | 60 | 08 | 2 | 60 | 09 | 50 | 10 | 2 | 55 | 10 | 50 | 10 | 2 |
| 24 | 50 | 13 | 60 | 11 | 2 | 55 | 10 | 50 | 11 | 2 | 60 | 15 | 60 | 19 | 2 |
| 25 | 65 | 17 | 60 | 18 | 1 | 60 | 18 | 65 | 14 | 1 | 70 | 11 | 70 | 11 | 1 |
| 26 | 70 | 20 | 70 | 21 | 1 | 60 | 15 | 50 | 18 | 1 | 50 | 16 | 60 | 22 | 1 |
| 27 | 70 | 32 | 70 | 23 | 1 | 60 | 15 | 65 | 20 | 1 | 60 | 21 | 70 | 20 | 1 |
| 28 | 60 | 28 | 70 | 30 | 1 | 70 | 28 | 50 | 13 | 1 | 60 | 18 | 70 | 13 | 1 |
| 29 | 75 | 14 | 70 | 13 | 1 | 60 | 12 | 50 | 10 | 1 | 70 | 12 | 60 | 09 | 1 |

Los números de las columnas T representan décimas de segundo, y los números de las columnas A décimas de micron.

G. Payo
Director.

Anita G. Menor.

Instituto Geográfico y Catastral

OBSERVATORIO CENTRAL GEOFISICO
"ALFONSO REY PASTOR"
DE TOLEDO (ESPAÑA)

Naturaleza del terreno: Mioceno Superior

Coordenada de la Estación:

L = 39°52'53"
M = 04°02'55" MES DE MARZO DE 1964
Z = 480,46 m

CONSTANTES DE LOS SISMOGRAFOS:

| Aparato | Masa Kg | Periodo T_0 | Rozamiento $\frac{r}{T_0^2}$ | Amplitud V | Amortgto. ϵ |
|-------------|------------|------------------|---------------------------------|---------------|-------------------------|
| Wiechert ZT | 1200 | 3.4 | 0.095 | 2390 | 8.4 |
| " ET | 1000 | 10.6 | 0.025 | 780 | 3.7 |
| " NT | 1000 | 11.6 | 0.010 | 760 | 5.9 |
| " EX | 800 | 7.9 | 0.026 | 440 | 3.6 |
| " NX | 800 | 7.5 | 0.033 | 505 | 5.9 |

| Aparato | Periodo péndulo | Periodo Galv. T_1 | Amortgto. μ^2 | Amplitud máxima A_m |
|-----------------|--------------------|---------------------------|----------------------|--------------------------|
| Sprengnether ZG | 1.70 | 1.70 | 0.38 | --- |
| " EG | 14.3 | 14.3 | 0.30 | 1.780 |
| " NG | 13.0 | 13.0 | -0.31 | 1.735 |

Equipos Standard.

1ª.-Sprengnether (Standard) de periodo largo, ($T_p=30$ s. $T_g=100$ s.)
Sus componentes serán designadas por ZL, EL, NL.

2ª.-Benid (Standard) de periodo corto ($T_p=1.0$ s. $T_g=0,75$ s.)
Sus componentes serán designadas por ZS, ES, NS.

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|---------------|-----|------|------|------|-------|------|-------|----|----|----|
| 120 | 2 | iPg | ZG | 15 | 20 | 52 | 122 | 7 | Lq | EG | 07 | 10 | 00 |
| | | i | ZG | | 20 | 58,5 | | | | | | | |
| | | i | ZG | | 21 | 16 | | | | | | | |
| | | | seg. micrones | | | | | | | | | | |
| | | i | ZG | 0.9 | 0.03 | | 123 | 8 | Lc | NG | 03 | 10 | 00 |

Trazas.

Trazas.

| | | | | | | | | | | | | | |
|-----|---|----|----|----|----|----|-----|----|-----|---------------|-----|------|----|
| 121 | 2 | eP | ZG | 19 | 53 | 01 | 124 | 10 | e | ZG | 14 | 19 | 41 |
| | | | | | | | | | e | ZG | | 19 | 49 |
| | | | | | | | | | iPP | ZG | | 19 | 56 |
| | | | | | | | | | | seg. micrones | | | |
| | | | | | | | | | iPP | ZG | 0.8 | 0.08 | |

189° S - 174°8 W; Ho=19-32-41,7;
=105 Kms.; Islas Tonga.
(U.S.C.G.S.)

(Continúa)



7°29' N - 127°5' E; Ho=13-59-54,8;
(0.6-33); h=117 Kms.; Mag. 5.6
(CGS); Estrecho de las Molucas.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|--------|---------------|-----|------|----|
| 125 | 14 | eP | ZG | 02 | 40 | 04 |
| | | iPP | ZG | | 40 | 17 |
| | | ePPP | ZG | | 40 | 55 |
| | | iLg | NG,EG | | 43 | 33 |
| | | Lq | EG | | 43 | 40 |
| | | Rg | NG | | 44 | 24 |
| | | e(PcP) | ZG | | 44 | 42 |
| | | M | NG | | 45 | 20 |
| | | | seg. micrones | | | |
| | | M | EG | 6.1 | 14.7 | |

46°57' N - 8°17' E; Ho=02-37-22;
Mag. 5.3 (Collm). Suiza al S. de
Lucerna. Sentido fuertemente
Sarnen Kesus, Sachseln y Stalden
(Obwald). Daños. Sentido en Fran-
cia III. Strasbourg, Alemania
(Stuttgart). Austria IV-V en el
Tirol y en el N de Italia.
(B.C.I.S.)

47°1' N - 8°3' E; Ho=02-37-24,6;
(1.2-25); h=33 Kms.; Mag. 4.7 SD
0.4 (CGS); Suiza. Algunos daños
en el centro de Suiza. Sentido en
Alemania, Austria e Italia.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|------|---------------|-----|-------|------|
| 126 | 15 | iPn | SE | 22 | 31 | 36,5 |
| | | | dilatación | | | |
| | | iS | EX,NG | | 32 | 29,5 |
| | | iScS | ZG | | 45 | 42 |
| | | | seg. micrones | | | |
| | | iS | EG | 4.0 | 74.07 | |

D=498 Kms.=494

Violentísimo. Sentido en Segovia
Lago, Portugal, Madrid, Toledo, An-
dalucía y N. de Africa.

La gran extensión del radio de
percepción hacen sospechar que su
profundidad es superior a la calcu-
lada. En el sismógrafo MLP, se ha
registrado un impulso de gran ampli-
tud y 14 minutos de duración a la
1h 40m. de ocurrido el sismo.

36°2' N - 7°6' W; Ho=22-30-25,2;
h=33 Kms.; Mag. 6. Sentido en Es-
paña, Marruecos y Portugal.
(ICSS. Madrid).

36°2' N - 7°6' W; Ho=22-30-28;
(0.7-38) h=27 Kms. Mag. 6 3/4 . 7
(Kms). 7.- 7 1/4 (BES). 6 1/4 -
(Continúa)

6 1/2 (Pal)
Oeste del Estrecho de Gibraltar.
(U.S.C.G.S.)

35° N - 7°5' W; Ho=22-30-28;
Oceano Atlántico. O. del Estrecho
de Gibraltar. Mag. 6.6 (Ksara)
6 3/4 (Collm). Fuertemente sentido
en Portugal, España y Marruecos.
(B.C.I.S.)

| | | | | | | |
|-----|----|-----|---------------|-----|------|------|
| 127 | 15 | ePn | ZS | 23 | 53 | 50 |
| | | e | ZS | | 54 | 39,5 |
| | | iSn | ZS | | 54 | 43,5 |
| | | iSg | NS | | 55 | 12 |
| | | | seg. micrones | | | |
| | | iSn | ZS | 0.4 | 0.06 | |

36°2' N - 7°6' W; Ho=23-52-45,3;
h=33 Kms.; Replica del anterior.
(ICSS Madrid).

| | | | | | | |
|-----|----|---|---------------|-----|------|----|
| 128 | 16 | e | NS | 00 | 58 | 37 |
| | | i | NS | | 59 | 08 |
| | | | seg. micrones | | | |
| | | i | NS | 0.7 | 0.02 | |

Trazas.

| | | | | | | |
|-----|----|------|----|----|----|----|
| 129 | 16 | e(S) | NS | 01 | 07 | 58 |
|-----|----|------|----|----|----|----|

Trazas.

| | | | | | | |
|-----|----|----|------------|----|----|----|
| 130 | 16 | iP | ZS | 01 | 16 | 51 |
| | | | compresión | | | |
| | | Lq | NL | | 30 | 00 |

36°9' N - 95°5' E; Ho=01-05-17,6;
(0.8-24); h=33 Kms.; Mag. 5.9 SD
0.3 (CGS); Provincia de Tsinghai.
China. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-------|---------------|-----|-----|------|
| 131 | 16 | iPn | ZS | 02 | 45 | 48 |
| | | i | ZS | | 46 | 21,5 |
| | | i | ZS | | 46 | 35 |
| | | i(Sn) | ZS,NS | | 46 | 38 |
| | | iSg | ZS | | 47 | 10,5 |
| | | | seg. micrones | | | |
| | | i(Sn) | ZS | 1.0 | 0.3 | |

36°2' N - 7°6' W; Ho=02-44-43;
h=33 Kms.; Réplica. W del Estre-
cho de Gibraltar. (L.C.S.S. Madrid)

| | | | | | | |
|-----|----|----|------------|----|----|------|
| 132 | 16 | iP | ZS | 03 | 37 | 52,5 |
| | | | dilatación | | | |

38° N - 72°9' E; Ho=03-28-11,7;
(0.8-27); h=132 Kms.; Mag. 5.2
(CGS); Tadzhik. URSS. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|-------|---------------|-----|------|------|------|-------|----------------|---------------|-----|------|------|
| 133 | 16 | iPn | ZS | 22 | 22 | 18,5 | 138 | 18 | (Continuación) | | | | |
| | | e(Sn) | ES | | 23 | 05 | | | i(S*) | ZS | 08 | 04 | 22,5 |
| | | i | ZS | | 23 | 10,5 | | | iSg | ZS | | 04 | 37,5 |
| | | | seg. micrones | | | | | | | seg. micrones | | | |
| | | i | ZS | 0.5 | 0.02 | | | | iSg | ZS | 0.8 | 0.03 | |

36°2 N - 7°6 W; Ho=22-21-13; Réplica W. de Portugal. (L.C.S.S. Madrid)

| | | | | | | |
|-----|----|-----|---------------|-----|------|------|
| 134 | 17 | iPg | ZS | 17 | 31 | 41,5 |
| | | i | ZS | | 31 | 50 |
| | | i | ZS | | 32 | 09 |
| | | i | ZS | | 32 | 14 |
| | | | seg. micrones | | | |
| | | i | ZS | 0.4 | 0.05 | |
| | | i | ZS | 1.1 | 0.05 | |

Posiblemente explosión.

| | | | | | | |
|-----|----|-----|---------------|-----|------|------|
| 135 | 17 | iPn | ZS | 22 | 31 | 51 |
| | | | compresión | | | |
| | | i | ZS | | 31 | 59 |
| | | iSn | NS | | 32 | 41,5 |
| | | eS* | ZS | | 33 | 01 |
| | | ePg | ZS | | 33 | 14 |
| | | | seg. micrones | | | |
| | | iPn | ZS | 0.6 | 0.04 | |

D=467 Kms.=4°2
36°2 N - 7°6 W; Ho=22-30-45; h=33 Kms
Réplica. Al W. de Portugal.
(L.C.S.S. Madrid).

| | | | | | | |
|-----|----|-----|---------------|-----|------|------|
| 136 | 18 | iPn | ZS | 02 | 32 | 14 |
| | | | compresión | | | |
| | | iSn | ZS | | 33 | 05,5 |
| | | | seg. micrones | | | |
| | | iSn | ZS | 0.8 | 0.01 | |

Trazas. Réplica del día 15. Portugal.

| | | | | | | |
|-----|----|-------|---------------|-----|------|----|
| 137 | 18 | iP | ZS | 04 | 49 | 20 |
| | | ipP | ZS | | 50 | 58 |
| | | i | ZL | | 51 | 41 |
| | | iPP | ZS | | 52 | 46 |
| | | iS | NL | | 59 | 00 |
| | | i(pS) | EL | 05 | 01 | 20 |
| | | i(sS) | EL | | 02 | 12 |
| | | i(L) | ZL | | 12 | 00 |
| | | | seg. micrones | | | |
| | | ipP | ZS | 1.7 | 0.42 | |

D=9.245 Kms.=83°2; h=430 Kms.

52°5 N - 153°6 E; Ho=04-37-26,9;
(0.6-76); h=440 Kms.; Mag. 5.6 SD
0.2 (CGS); Mar de Okhotsk.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|------------|----|----|------|
| 138 | 18 | iPn | ZS | 08 | 03 | 19,5 |
| | | | dilatación | | | |
| | | iSn | ZS | | 04 | 11,5 |

(Continúa)

D=490 Kms.=4°4
36°2 N - 7°6 W; Ho=08-02-14.
h=33 Kms.; Réplica al W. de Portugal.
(L.C.S.S. Madrid)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 139 | 18 | Lr | ZL | 19 | 47 | 00 |
|-----|----|----|----|----|----|----|

29°9 S - 71° W; Ho=18-57-27,3;
(0.8-13); h=30 Kms. Mag. 4.5 (CGS)
Norte de Chile. (U.S.C.G.S.)

| | | | | | | |
|-----|----|------|--------------|----|----|------|
| 140 | 19 | eiP | ZS | 09 | 52 | 22,5 |
| | | | (compresión) | | | |
| | | i(P) | ZS | | 52 | 27,5 |
| | | i | NL | 10 | 07 | 32 |
| | | Lr | ZL | | 11 | 00 |

14°7 N - 56°3 E; Ho=09-42-34,9;
(1.0-13); h=33 Kms.; Mar de Arabia
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----------------|---------------|------|------|----|
| 141 | 19 | iP' | ZS | 22 | 04 | 04 |
| | | ePP | ZL | | 07 | 53 |
| | | eSS | NL | | 28 | 16 |
| | | iSSS | ZL | | 32 | 33 |
| | | Lq | ZL | | 47 | 00 |
| | | Lr | ZL | | 55 | 00 |
| | | M | ZL | 23 | 06 | 00 |
| | | | seg. micrones | | | |
| | | iP' | ZS | 0.8 | 0.34 | |
| | | M ² | ZL | 20.0 | 3.66 | |

15°1 S - 172°6 W; Ho=21-44-03,8;
(1.0-23); h=33 Kms.; Mag. 5.6 SD
0.3 (CGS); Sentido en la Región de
las Islas Samoa. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|------------|----|----|------|
| 142 | 19 | iP | ZS | 22 | 41 | 24,5 |
| | | | dilatación | | | |

Trazas.
15°3 S - 72°9 W; Ho=22-29-03,2;
(0.7-12); h=115 Kms.; Mag. 4.7 SD
0.3 (CGS); Sur del Perú.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|------------|----|----|------|
| 143 | 20 | iP | ZS | 07 | 07 | 34 |
| | | | compresión | | | |
| | | ipP | ZS | | 07 | 53,5 |

2° S - 79°7 W; Ho=06-55-28,1;
(0.8-37); h=71 Kms. Mag. 5.3 SD
0.2 (CGS); Ecuador.
(U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S | |
|---|-------|---------------|-------|------------|------|------|---------|-------|---|------------|------------|------|------|----|
| 144 | 21 | iP* | ZS | 04 | 00 | 41,5 | 147 | 22 | (Continúa) | | | | | |
| | | i | ZS | 01 | 01 | 5 | | | (0.9-31); h=33 Kms.; Mag. 5.1 SD | | | | | |
| | | ipP" | ZS | 02 | 23 | | | | 0.2 (CGS); Cerca de la costa Central de Chile. (U.S.C.G.S.) | | | | | |
| | | iPP | ZL | 02 | 24 | | 148 | 22 | ePg | NS | 21 | 14 | 42,5 | |
| | | i | ZS | 02 | 42 | | | | iSn | NS | 15 | 04 | 5 | |
| | | i(pPP) | ZL | 04 | 32 | | | | iSg | NS | 15 | 09 | | |
| | | i | ZL | 06 | 00 | | | | seg. micrones | | | | | |
| | | iSKS | NL | 07 | 18 | | | iSg | NS | 0.9 | 0.03 | | | |
| | | i | NL | 10 | 06 | | Trazas. | | | | | | | |
| | | iPS | ZL | 12 | 07 | | 149 | 26 | ePP | ZL | 02 | 24 | 40 | |
| | | iPPS | ZL | 14 | 32 | | | | ePS | ZL | 34 | 31 | | |
| | | i(pPP) | ZL | 15 | 08 | | | | iSS | ZL | 41 | 36 | | |
| | | iSS | NL | 19 | 06 | | | | iSSS | NL | 46 | 32 | | |
| | | isSS | NL | 21 | 28 | | | | Lq | EL | 03 | 00 | 00 | |
| | | iSSS | NL | 24 | 08 | | | | Lr | ZL | 04 | 00 | | |
| | | Lq | NL | 33 | 40 | | | | M | ZL | 16 | 00 | | |
| | | seg. micrones | | | | | | | seg. micrones | | | | | |
| | | i(pPP) | ZL | 24.0 | 4.66 | | | | II | ZL | 32.0 | 6.66 | | |
| | | iPPS | ZL | 20.0 | 5.00 | | | | | | | | | |
| | | iSSS | NL | 48.0 | 7.68 | | | | | | | | | |
| D=13.690 Kms.=123°2; h=430 | | | | | | | | | | | | | | |
| 69°4 S - 127°9 E; Ho=03-42-19,6; (0.5-23); h=367 Kms.; Mar de Banda Sentido en Darwin. Australia. (U.S.C.G.S.) | | | | | | | | | | | | | | |
| 145 | 21 | iP | ZS | 15 | 20 | 44 | 150 | 26 | iPn | ZS | 07 | 44 | 57 | |
| | | | | compresión | | | | | | | compresión | | | |
| | | iS | NL | 31 | 28 | | | | iP* | NS | 45 | 10 | | |
| | | eSS | EL | 37 | 28 | | | | iPg | NS | 45 | 18,5 | | |
| | | Lq | NL | 50 | 00 | | | | iSn | ZS, NS, ES | 45 | 52,5 | | |
| | | Lr | ZL | 56 | 30 | | | | iS* | NS, ES | 46 | 09 | | |
| | | seg. micrones | | | | | | | iSg | NS | 46 | 25 | | |
| | | Lr | ZL | 20.0 | 2.00 | | | | i(Sg)NS, ES | | 46 | 29,5 | | |
| D=10.035 Kms.=90°3 | | | | | | | | | | | | | | |
| 18°7 N - 103°1 W; Ho=15-08-14,3; (0.7-38); h=83 Kms.; Mag. 5 1/4 (Pal) 5.0 SD 0.3 (CGS); Cerca de la costa de Michoacan. México. (U.S.C.G.S.) | | | | | | | | | | | | | | |
| 146 | 22 | iP | ZS | 07 | 17 | 38 | 151 | 26 | eiPS | EL, ZL | 13 | 57 | 03 | |
| | | | | dilatación | | | | | | iSS | EL | 14 | 02 | 38 |
| | | ipP | ZS | 18 | 15 | 5 | | | Lr | ZL | 17 | 40 | | |
| 59°5 S - 77°1 W; Ho=07-05-39,7; (0.6-28); h=147 Kms. Mag. 5.1 SD 0.4 (CGS); Norte del Perú. (U.S.C.G.S.) | | | | | | | | | | | | | | |
| 147 | 22 | eP | ZL | 08 | 48 | 46 | | | seg. micrones | | | | | |
| | | ePP | ZL | 52 | 53 | | | | Lr | ZL | 28.0 | 3.33 | | |
| | | iPS | ZL | 09 | 01 | 28 | | | | | | | | |
| | | Lr | ZL | 22 | 00 | | | | | | | | | |
| 35°7 S - 72°9 W; Ho=08-35-06,4; (Continúa) | | | | | | | | | | | | | | |
| 11°3 N - 142° E; Ho=02-04-20,2; (1.1-27); h=33 Kms.; Mag. 4.9 SD 0.3 (CGS); Islas Marianas. (U.S.C.G.S.) | | | | | | | | | | | | | | |
| D=517 Kms.=4°65 | | | | | | | | | | | | | | |
| 39°4 N - 10°2 W; Ho=07-43-49; Atlántico cerca de la costa de Portugal (B.C.I.S.) | | | | | | | | | | | | | | |
| 39°1 N - 10°7 W; Ho=07-43-39,1; (0.3-11); h=33 Kms.; Mag. 4.5 SD 0.4 (CGS); Cerca de la costa W de Portugal (U.S.C.G.S.) | | | | | | | | | | | | | | |
| 39°2 N - 10°1 W; Ho=07-43-46; h=33 Kms.; Mag. 5.4. Próximo a la costa de Portugal (L.C.S.S. Madrid). | | | | | | | | | | | | | | |
| 4°4 S - 104°7 W; Ho=13-29-56,2; (Continúa) | | | | | | | | | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S | |
|---|-------|------|----------------|------|-------|------|---|-------|------|-------|----|----|------|----|
| 151 | 26 | | (Continuación) | | | | 156 | 28 | | | | | | |
| (0.7-26); h=33 Kms.; Mag. 4.9 SD 0.4 (CGS). 1.500 Kms. al SW de las Islas de los Galápagos. (U.S.C.G.S.) | | | | | | | Muchos heridos y grandes daños ma- teriales en Alaska, por valor de más de 250 millones de dólares. Daños extensos en todas las costas del Golfo de Alaska causados por las olas sísmicas, que llegaron hasta la costa W de Norteamérica y Hawai. (U.S.C.G.S.) | | | | | | | |
| 152 | 26 | Lr | ZL | 20 | 37 | 40 | 157 | 28 | iP | ZS | 05 | 05 | 59 | |
| 39°3 N - 143°3 E; Ho=19-37-27,6; (0.5-27); h=33 Kms.; Mag. 4.7 (CGS) Tierra de la costa de Honshu. Japón. (U.S.C.G.S.) | | | | | | | dilatación | | | | | | | |
| 153 | 27 | iP | ZS | 04 | 42 | 39,5 | 158 | 28 | iP | ZS | 05 | 17 | 32 | |
| 59°8 N - 149°4 W; Ho=04-54-07,9; (0.9-25); h=25 Kms.; Mag. 6.1 (CGS). Réplica del anterior. (U.S.C.G.S.) | | | | | | | (Compresión) | | | | | | | |
| 25°9 N - 95°8 E; Ho=04-30-33; (0.4-24); h=93 Kms. Mag. 5.4 (CGS). Norte de Burma. (U.S.C.G.S.) | | | | | | | Posible réplica sismo de Alaska. | | | | | | | |
| 154 | 27 | Lr | ZL | 12 | 15 | 00 | 159 | 28 | iP | ZS | 05 | 29 | 04,5 | |
| Trazas. | | | | | | | compresión | | | | | | | |
| 155 | 27 | iPP | ZS | 20 | 41 | 15,5 | Posible réplica Alaska. | | | | | | | |
| | | ipPP | ZS | | 42 | 09,5 | 160 | 28 | iP | ZS | 05 | 45 | 39 | |
| | | e | ZL | | 43 | 18 | compresión | | | | | | | |
| | | eSKS | ZL | | 45 | 56 | 60°2 N - 146°2 W; Ho=05-33-52,6; (0.7-16); h=20 Kms.; Mag. 5.6 (CGS). Réplica de Alaska. (U.S.C.G.S.) | | | | | | | |
| | | e | ZL | | 48 | 36 | 161 | 28 | iP | ZS | 05 | 47 | 46 | |
| | | e | ZL | | 58 | 44 | dilatación | | | | | | | |
| | | i | ZL | 21 | 02 | 14 | 57°2 N - 153° W; Ho=05-35-38,4; (0.5-15); h=33 Kms.; Mag. 5.7 SD 0.4 (CGS); Réplica de Alaska. (U.S.C.G.S.) | | | | | | | |
| | | i | EL | | 05 | 40 | 162 | 28 | eP | ZS | 05 | 56 | 42 | |
| | | Lq | NL | | 10 | 40 | 60°1 N - 148°4 W; Ho=05-44-54,9; (0.8-11); h=33 Kms.; Mag. 4.9 SD 0.2 (CGS); Réplica de Alaska. (U.S.C.G.S.) | | | | | | | |
| 23°7 S - 179°9 E; Ho=20-22-10,6; (0.8-32); h=520 Kms.; Mag. 5.0 SD 0.4 (CGS); Sur de las Islas Fidji. (U.S.C.G.S.) | 156 | 28 | iP | ZS | 03 | 47 | 55,5 | 163 | 28 | iP | ZS | 05 | 58 | 35 |
| | | !iP | ZL | | 47 | 57 | compresión | | | | | | | |
| | | iPeP | ZS | | 48 | 07,5 | 164 | 28 | iP | ZS | 06 | 17 | 43 | |
| | | Ii | NX | | 49 | 20 | dilatación | | | | | | | |
| | | iS | NT | | 57 | 40 | 165 | 28 | iP | ZS | 06 | 20 | 33,5 | |
| | | !iS | ET | | 58 | 00 | compresión | | | | | | | |
| | | iPS | ZT | | 58 | 48 | (Continúa) | | | | | | | |
| | | Lr | ZT | 04 | 13 | 00 | seg.micrones | | | | | | | |
| | | E | ZL | 25.0 | 160.0 | | =9.000 Kms.=81°. Se ven claramente ondas superficiales despues de haber dado varias vueltas a la Tierra "free oscillation". | | | | | | | |
| 51°1 N - 147°5 W; Ho=03-36-12,7; (0.6-87); h=20 Kms. Mag. 8.4 (Pas) 3 1/2 - 8 3/4 (Brk). 8.6 (Pal); 8.5 (CGS). 114 muertos o desaparecidos (Continúa) | | | | | | | | | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|------|----------------|----|----|------|---|-------|------|-------|----|----|----|
| 165 | 28 | | (Continuación) | | | | 172 | 28 | iP | ZS | 07 | 20 | 59 |
| 60°1 N - 148°6 W; Ho=06-08-44,2; (0.5-31); h=20 Kms.; Mag. 4 1/4 - 4 1/2 (BKS); 5.6 SD. Réplica de Alaska (U.S.C.G.S.) | | | | | | | 60° N - 147°5 W; Ho=07-09-12 (0.5- 20); h=33 Kms.; Mag. 5.4 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 166 | 28 | eP | ZS | 06 | 41 | 22 | 173 | 28 | iP | ZS | 07 | 22 | 19 |
| 57°7 N - 150°8 W; Ho=06-29-17,4; (0.7-17); h=20 Kms. Mag 3 3/4 - 4 1/4 (BKS) 5.1 (CGS). Réplica de Alaska. (U.S.C.G.S.) | | | | | | | dilatación i ZS 22 26,5 i ZS 22 56 | | | | | | |
| 167 | 28 | iP | ZS | 06 | 48 | 58,5 | 58°8 N - 149°5 W; Ho=07-10-21,4; (0.7-53); h=20 Kms.; Mag. 6.2 (Pas) 5 3/4 - 6 (BKS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 57°9 N - 151°5 W; Ho=06-36-55,2; (0.8-13); h=33 Kms.; Mag. 5.1 SD 0.4 (CGS); Réplica de Alaska. (U.S.C.G.S.) | | | | | | | 174 28 eiP ZS 07 42 38 (Dilatación) i ZS 42 46,5 | | | | | | |
| 168 | 28 | iP | ZS | 06 | 53 | 18 | 57°4 N - 151°7 W; Ho=07-30-29,6; (1.0-43); h=15 Kms.; Mag. 5 1/4 - 5 1/2 (BKS); 5.7 SD 0.4 (CGS); (U.S.C.G.S.) | | | | | | |
| La mayor parte de las réplicas de este sismo de Alaska, tienen una doble fase P a unos 7 segundos del principio. La fase pP o la PcP pudieran corresponder a este impul- so. Pero por su corto periodo nos inclinamos más por la 1ª de las fa- ses apuntadas. | | | | | | | dilatación i ZS 53 22,5 | | | | | | |
| 59°9 N - 147°8 W; Ho=06-41-28; (0.6-30); h=15 Kms.; Mag. 4 3/4 - 5 (BKS), 5.5 (CGS). Réplica de Alaska. (U.S.C.G.S.) | | | | | | | 175 28 eP ZS 07 55 55 | | | | | | |
| 169 | 28 | iP | ZS | 06 | 55 | 59 | 176 28 iP ZS 08 45 49 compresión i ZS 45 55,5 | | | | | | |
| 58°3 N - 151°3 W; Ho=06-43-57,4; (0.7-31); h=25 Kms.; Mag. 6.1 (CGS); 5 1/2 - 5 3/4 (BKS). Réplica de Alaska. (U.S.C.G.S.) | | | | | | | 58°1 N - 151°1 W; Ho=08-33-47; (0.7-50); h=25 Kms.; Mag. 5 1/4 - 5 1/2 (Brk). 5.5 SD 0.3 (CGS). Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 170 | 28 | eP | ZS | 07 | 02 | 56,5 | 177 28 iP ZS 08 52 01,5 compresión e ZS 52 07,5 | | | | | | |
| 57°1 N - 152°3 W; Ho=06-50-48,9; (0.5-10); h=33 Kms.; Mag. 5.0 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | 57°5 N - 151°6 W; Ho=08-39-54,9; (0.6-34); h=20 Kms. = Mag. 5.4 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 171 | 28 | iP | ZS | 07 | 05 | 33 | 178 28 iP ZS 09 07 35 dilatación | | | | | | |
| 58°8 N - 149°5 W; Ho=06-53-35,6; (0.7-34); h=20 Kms. Mag. 4 3/4 - 5 (BKS). 5.7 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | 56°7 N - 151°9 W; Ho=08-55-22,8; (0.8-16); h=25 Kms.; Mag. 5.1 SD 0.4 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 57°1 N - 152°3 W; Ho=06-50-48,9; (0.5-10); h=33 Kms.; Mag. 5.0 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | 179 28 iP ZS 09 13 12,5 compresión i ZS 13 20,5 e ZS 18 08,5 | | | | | | |
| 58°8 N - 149°5 W; Ho=06-53-35,6; (0.7-34); h=20 Kms. Mag. 4 3/4 - 5 (BKS). 5.7 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | 56°5 N - 152° W; Ho=09-01-00,5; (0.8-60); h=20 Kms.; Mag. 6.2 (Pas); 5 1/2 - 5 3/4 (Brk) 6.0 SD 0.2 (CGS). Réplica Alaska (U.S.C. G.S.) | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|------|-------|----|------|------|---|-------|------|-------|----------|-------|------|
| 208 | 29 | eP | ZS | 05 | 04 | 07,5 | 215 | 29 | eiP | ZS | 11 | 59 | 53,5 |
| 56°8 N - 152°4 W; Ho=04-51-53,3; (0.7-26); h=40 Kms.; Mag. 4.8 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | Réplica Alaska. | | | | | | |
| 209 | 29 | eP | ZS | 05 | 33 | 22 | 216 | 29 | iP | ZS | 16 | 21 | 02 |
| 57°1 N - 150°4 W; Ho=05-21-09,8; (0.6-18); h=20 Kms.; Mag. 4.4 SD 0,4 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | 60°3 N - 146°6 W; Ho=16-09-15,3; (0.7-41); h=15 Kms.; Mag. 4.8 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 210 | 29 | iP | ZS | 06 | 16 | 59,5 | 217 | 29 | eiP | ZS | 16 | 52 | 47,5 |
| dilatación | | | | | | | (Dilatación) | | | | | | |
| | | i | ZS | | 17 | 07,5 | | | i | ZS | | 52 | 49 |
| | | iPP | ZL | | 20 | 00 | | | ePP | ZL | | 55 | 43 |
| | | iPPP | NL | | 22 | 18 | | | i | ZL | 17 | 01 | 24 |
| | | e | NL | | 23 | 20 | | | iS | EL | | 02 | 37 |
| | | iS | EL | | 27 | 08 | | | ePS | ZL | | 02 | 48 |
| | | iSS | NL | | 32 | 28 | | | eSS | NL | | 07 | 18 |
| | | iSSS | NL | | 35 | 40 | | | Lq | EL | | 13 | 00 |
| | | iSa | ZL | | 37 | 04 | | | Lr | ZL | | 17 | 00 |
| | | Lq | NL | | 39 | 00 | | | M | ZL | | 23 | 00 |
| | | Lr | ZL | | 44 | 00 | | | | seg | micrones | | |
| | | M | ZL | | 55 | 00 | | | M | ZL | 20.0 | 11.33 | |
| | | | | | | | | | | | | | |
| | | M | ZL | | 20.0 | 10.0 | | | | | | | |
| D=9.090 Kms.=81°8 | | | | | | | D=8.665 Kms.=78° | | | | | | |
| 55°1 N - 154°3 W; Ho=06-04-44,5; (0.6-56); h=30 Kms.; Mag. 5.8 (Pas) 5 1/4 - 5 1/2 (Brk); 6 - 6 1/4 (Pal) 5.6 SD 0.2 (CGS); Bahía Principe Guillermo. Réplica Alaska. (U.S.C.G.S.) | | | | | | | 59°7 N - 147° W; Ho=16-40-57,9 (0.7-72); h=15 Kms.; Mag. 5.8 (Pas) 5 1/2 - 5 3/4 (Brk); 5.6 SD 0.3 (CGS); Bahía Principe Guillermo. Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 211 | 29 | eP | ZS | 08 | 05 | 06,5 | 218 | 29 | iP | ZS | 16 | 57 | 22 |
| | | Lr | ZL | | 36 | 00 | | | i | ZS | | 57 | 25,5 |
| 56°1 N - 154°2 W; Ho=07-52-46,4; (0.7-41); h=25 Kms.; Mag. 4.9 (Pas) 4.3 SD 0.2 (CGS); Bahía Principe Gui- llermo. Réplica Alaska. (U.S.C.G.S.) | | | | | | | 59°8 N - 146°9 W; Ho=16-45-33,6; (0.7-30); h=20 Kms.; Mag. 4 3/4 - 5 (Brk); 6 1/4 (Pal); 5.3 SD 0.2 (CGS); Bahía Principe Guillermo. Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 212 | 29 | eP | ZS | 09 | 27 | 57 | 219 | 29 | iP | ZS | 17 | 05 | 12,5 |
| 58°4 N - 150°5 W; Ho=09-16-55,4; h=15 Kms.; Réplica Alaska. (U.S.C.G.S.) | | | | | | | dilatación | | | | | | |
| 213 | 29 | ieP | ZS | 10 | 19 | 52,5 | 220 | 29 | iP | ZS | 18 | 04 | 50 |
| | | ePP | ZS | | 22 | 46 | | | | | | | |
| | | Lr | ZL | | 45 | 00 | | | | | | | |
| 60° N - 148°6 W; Ho=10-08-02,4; (0.8-51); h=20 Kms.; Mag. 5.0 (Pas) 5 1/4 - 5 1/2 (Brk); Bahía Princi- pe Guillermo. Réplica de Alaska. (U.S.C.G.S.) | | | | | | | 59°9 N - 146°1 W; Ho=17-53-02,2; (0.6-25); h=15 Kms.; Mag. 5.0 SD 0.2 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 214 | 29 | eP | ZS | 11 | 01 | 41 | Réplica Alaska. | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|-------|---------------|------|------|------------|---|-------|------|-------|----|----|------|
| 221 | 29 | eiP | ZS | 18 | 07 | 19 | 227 | 30 | ieP | ZS | 07 | 21 | 21,5 |
| 60° N - 146° W; Ho=17-55-30,2; (0.5-15); h=15 Kms.; Mag. 4.9 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | (compresión) i ZS 21 24 ePP ZL 24 15 iS EL 31 07 iPS EL 31 42 iPPS ZL 33 12 iSS NL 35 55 e(SSS)ZL 40 17 Lq NL 41 40 Lr ZL 45 00 M ZL 55 00 seg. micrones M ZL 21.0 12.7 | | | | | | |
| 222 | 29 | eP | ZS | 18 | 56 | 08 | | | | | | | |
| | | ePP | ZS | | 56 | 12,5 | | | | | | | |
| | | iS | NL | 19 | 02 | 54 | | | | | | | |
| | | iSS | NL,EL | | 06 | 28 | | | | | | | |
| | | Lq | EL | | 08 | 00 | | | | | | | |
| | | Lr | ZL | | 10 | 00 | | | | | | | |
| | | Lr | seg. micrones | | | | | | | | | | |
| | | Lr | ZL | 38.0 | 8.56 | | | | | | | | |
| D=5.180 Kms.=46°6 | | | | | | | D=8.580 Kms.=77°2 | | | | | | |
| Oceano Atlantico. Mag. 5.6 (Según Uppsala). | | | | | | | 59°9 N - 145°7 W; Ho=07-09-34; (0.8-80); h=15 Kms.; Mag. 5.2 (Pas) 5 3/4 - 6 (Brk); 6 1/4 - 6 1/2 (Pal); 5.6 SD 0.3 (CGS); Alaska. (U.S.C.G.S.) | | | | | | |
| 223 | 29 | Lr | ZL | 22 | 52 | 00 | 228 | 30 | iP | ZS | 12 | 00 | 50 |
| Trazas. | | | | | | | Dilatación | | | | | | |
| 224 | 30 | eP | ZS | 02 | 14 | 57 | | | Lr | ZL | | 30 | 00 |
| Trazas. | | | | | | | | | M | ZL | | 36 | 00 |
| 225 | 30 | iP | ZS | 02 | 30 | 18,5 | | | | | | | |
| | | | | | | dilatación | | | | | | | |
| | | i | ZS | | 30 | 31,5 | 56°4 N - 152°5 W; Ho=11-48-40,4; (0.6-41); h=20 Kms.; Mag. 5.2 SD 0.4 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| | | iPP | ZL | | 33 | 22 | | | | | | | |
| | | iPPP | ZL | | 35 | 44 | | | | | | | |
| | | iPa | ZL | | 36 | 40 | | | | | | | |
| | | iS | NL | | 40 | 33 | | | | | | | |
| | | iPS | ZL | | 41 | 28 | | | | | | | |
| | | iSS | NL | | 45 | 40 | | | | | | | |
| | | iSSS | NL | | 49 | 52 | | | | | | | |
| | | i(Sa) | NL | | 51 | 25 | | | | | | | |
| | | Lq | NL | | 51 | 30 | | | | | | | |
| | | Lr | ZL | | 59 | 20 | | | | | | | |
| | | M | ZL | | 03 | 06 00 | | | | | | | |
| | | M | seg. micrones | | | | | | | | | | |
| | | M | ZL | 21.0 | 32.2 | | | | | | | | |
| D=9.220 Kms.=83°2 | | | | | | | 229 30 iP ZS 12 17 30 dilatación | | | | | | |
| 55°6 N - 152°9 W; Ho=02-18-06,3; (0.9-75); h=25 Kms.; Mag. 5.6 (Pas) 6 1/2 - 6 3/4 (Brk); 6 3/4 (Pal), 5.8 SD 0.4 (CGS). Réplica Alaska. (U.S.C.G.S.) | | | | | | | Enmascarado por el anterior. 60°1 N - 147° W; Ho=12-05-43,5; (0.7-49); h=25 Kms.; Mag. 5.0 (Pas); 5.0 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 226 | 30 | eP | ZS | 03 | 32 | 11 | 230 | 30 | eiP | ZS | 12 | 50 | 05 |
| Enmascarado por el anterior. | | | | | | | 59°7 N - 146°9 W; Ho=12-38-16; (0.7-33); h=30 Kms.; Mag. 5.0 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 227 | 30 | iP | ZS | 13 | 15 | 47,5 | 231 | 30 | iP | ZS | 13 | 15 | 47,5 |
| Enmascarado por el anterior. | | | | | | | Compresión | | | | | | |
| | | i(PP) | ZL | | 18 | 07 | | | Lr | ZL | | 45 | 00 |
| | | Lr | ZL | | | | | | | | | | |
| | | Lr | seg. micrones | | | | | | | | | | |
| | | Lr | ZL | 19.0 | 7.33 | | | | | | | | |
| 228 | 30 | iP | ZS | 13 | 03 | 34,9 | 232 | 30 | iP | ZS | 13 | 03 | 34,9 |
| 56°5 N - 152°7 W; Ho=13-03-34,9; (0.7-57); h=20 Kms. Mag. 5.3 (Pas) 4 3/4 - 5 (Brk); 5 1/2 - 5 3/4 (Pal), 5.3 (CGS). Ensenada Principe Guillermo. Réplica Alaska. (U.S.C. G.S.) | | | | | | | 56°5 N - 152°7 W; Ho=13-03-34,9; (0.7-57); h=20 Kms. Mag. 5.3 (Pas) 4 3/4 - 5 (Brk); 5 1/2 - 5 3/4 (Pal), 5.3 (CGS). Ensenada Principe Guillermo. Réplica Alaska. (U.S.C. G.S.) | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|-----------------------|----|----|
| 232 | 30 | iP | ZS | 15 | 19 | 46 |
| | | i | ZS | compresión 19 53,5 | | |

58°7 N - 149°6 W; Ho=15-07-49,3;
(0.6-56); h=25 Kms. Mag. 5.3 SD
0.3 (CGS); Réplica Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|----------------------------|----|------|
| 233 | 30 | iP | ZS | 16 | 21 | 38,5 |
| | | ePP | ZL | compresión 24 40 | | |
| | | iS | NL | 31 48 | | |
| | | ePS | ZL | 37 26 | | |
| | | i | ZL | 43 20 | | |
| | | Lr | ZL | 50 30 | | |
| | | M | ZL | 56 00 | | |
| | | M | ZL | seg. micrones 20.0 7.33 | | |

D=9.110 Kms.=82°

56°6 N - 152°1 W; Ho=16-09-28,4;
(0.6-67); h=25 Kms.; Mag. 5.5 (Pas)
5 1/2 - 5 3/4 (Brk); 5 3/4 - 6
(Pal); 5.5 SD 0.3 (CGS); Réplica
Alaska. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|----|----|----|
| 234 | 30 | eiP | ZS | 20 | 44 | 36 |
|-----|----|-----|----|----|----|----|

59°4 N - 145°1 W; Ho=20-32-46,8;
(0.6-23); h=15 Kms.; Mag. 4.5 SD
0.3 (CGS); Réplica Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|------------|----|------|
| 235 | 30 | iP | ZS | 22 | 33 | 11,5 |
| | | | | compresión | | |

50°3 N - 146°9 W; Ho=22-21-25,2;
(0.6-19); h=15 Kms.; Mag. 4.7 SD
0.4 (CGS); Réplica Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|------------|----|----|
| 236 | 30 | iP | ZS | 23 | 15 | 43 |
| | | | | compresión | | |

57°3 N - 152°7 W; Ho=23-03-34,5;
(0.5-29); h=20 Kms.; Mag. 5.0 SD
0.4 (CGS); Réplica de Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|------------|----|----|
| 237 | 31 | iP | ZS | 00 | 03 | 35 |
| | | | | dilatación | | |

59°6 N - 147°4 W; Ho=23-51-46;
(0.8-27); h=33 Kms.; Mag. 4.6 SD
0.5 (CGS); Réplica Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|-------|----|----|
| 238 | 31 | eiP | ZS | 00 | 27 | 18 |
| | | i | ZS | 27 27 | | |
| | | iPP | ZL | 31 06 | | |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|-------|-------|---------------------------|----|----|
| 238 | 31 | ePPP | ZL | 00 | 33 | 06 |
| | | eSKS | NL | 37 50 | | |
| | | iS | NL | 38 24 | | |
| | | iPS | ZL | 39 53 | | |
| | | ePPS | ZL | 41 06 | | |
| | | eSS | EL | 45 10 | | |
| | | iSSS | EL | 48 35 | | |
| | | i(Sa) | ZL | 52 20 | | |
| | | Lq | EL | 55 00 | | |
| | | Lr | ZL | 57 00 | | |
| | | M | NL | 01 | 06 | 00 |
| | | M | NL | seg. micrones 22.0 5.0 | | |

D=10.465 Kms.=94°2

45°3 N - 151° E; Ho=00-14-11,7;
(1.1-59); h=60 Kms.; Mag. 5 1/2 -
5 3/4 (Pal); 5.3 SD 0.3 (CGS);
Islas Kuriles. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|------------|----|----|
| 239 | 31 | iP | ZS | 02 | 57 | 25 |
| | | | | compresión | | |

59°7 N - 149°8 W; Ho=02-45-26,9;
(0.8-20); h=10 Kms.; Mag. 4.7 SD
0.2 (CGS); Réplica Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|-------|----|----|
| 240 | 31 | iP | ZS | 04 | 32 | 04 |
| | | Lr | ZL | 56 00 | | |

60°3 N - 146°3 W; Ho=04-20-16,3;
(0.7-40); h=5 Kms.; Mag. 4.9 SD
0.4 (CGS); Réplica de Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|------|----|-----------------------------|----|------|
| 241 | 31 | iP | ZS | 09 | 13 | 33,5 |
| | | | | dilatación | | |
| | | ePP | ZL | 16 22 | | |
| | | iS | NL | 23 30 | | |
| | | iPS | NL | 24 11 | | |
| | | iSS | ZL | 28 32 | | |
| | | eSSS | ZL | 32 12 | | |
| | | iSa | ZL | 34 04 | | |
| | | Lq | NL | 34 30 | | |
| | | Lr | ZL | 39 00 | | |
| | | M | ZL | 50 00 | | |
| | | M | ZL | seg. micrones 18.0 10.33 | | |

D=8.790 Kms.=79°1

50°8 N - 130°2 W; Ho=09-01-30,2;
(0.8-57); h=15 Kms.; Mag. 6 (Pas)
6 - 6 1/4 (Brk); 5 1/4 - 6 3/4
(Pal); 5.6 SD 0.4 (CGS); Región
Islas Vancouver. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 242 | 31 | Lr | ZL | 11 | 28 | 00 |
|-----|----|----|----|----|----|----|

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|----------------|---|---|---|------|-------|------|-------|----|----|----|
| 242 | 31 | | (Continuación) | | | | 247 | 31 | iP | ZS | 18 | 49 | 20 |

58°9 N - 149°9 W; Ho=11-03-35,4;
 (0.5-24); h=20 Kms.; Mag. 5.0 SD
 0.3 (CGS); Réplica Alaska.
 (U.S.C.G.S.)

60°4 N - 146° W; Ho=18-37-36,8;
 (0.6-21); h=33 Kms.; Mag. 4.8 SD
 0.3 (CGS); Réplica Alaska.
 (U.S.C.G.S.)

 243 31 iP ZS 11 15 33
 compresión

 248 31 iP ZS 21 16 02
 compresión

Trazas.

 244 31 iP ZS 11 31 06,5
 compresión

58°2 N - 150°3 W; Ho=21-04-01,1;
 (0.6-25); h=20 Kms.; Mag. 5.2
 SD 0.2 (CGS); Réplica de Alaska.
 (U.S.C.G.S.)

50° N - 146°5 W; Ho=11-19-18;
 (0.8-20); h=15 Kms.; Mag. 4.9 SD
 0.3 (CGS); Réplica Alaska.
 (U.S.C.G.S.)

 249 31 iP ZS 21 43 16
 compresión

 245 31 iP ZS 12 05 30,5
 dilatación

Trazas.

 250 31 iP ZS 23 48 41,5
 dilatación

ePP ZL 08 36
 eS EL 15 38
 i ZL 25 30
 Lq EL 32 00
 Lr ZL 35 00
 M ZL 41 00
 seg. micrones
 M ZL 20.0 3.33

59°9 N - 145°8 W; Ho=23-36-56;
 (0.7-28); h=30 Kms.; Mag. 4.8 SD
 0.3 (CGS); Réplica de Alaska.
 (U.S.C.G.S.)

D=9.090 Kms.=81°8

56°5 N - 152°3 W; Ho=11-53-14,4;
 (1.0-25); h=25 Kms.; Mag. 4.8 SD
 0.3 (CGS); Ensenada del Príncipe.
 Guillermo. Réplica Alaska.
 (U.S.C.G.S.)

 246 31 iP ZS 14 55 15
 compresión

Sismo artificial?

OBSERVATORIO CENTRAL GEOPISICO
 "ALFONSO REY PASTOR"
 TOLEDO

MOVIMIENTO MICROSISLICO

Mes de Marzo de 1.964.

| Día | N - S | | | | | | | | E - W | | | | | | | | | |
|-----|-------|----|----|----|-----|----|-------|----|-------|----|----|----|----|-----|----|-------|----|-----|
| | 0 | | VI | | XII | | XVIII | | Car | 0 | | VI | | XII | | XVIII | | Car |
| | T | A | T | A | T | A | T | A | | T | A | T | A | T | A | | | |
| 1 | 50 | 17 | 50 | 15 | 50 | 14 | 50 | 14 | 1 | 55 | 12 | 50 | 09 | 60 | 09 | 60 | 12 | 1 |
| 2 | 50 | 15 | 60 | 21 | 50 | 14 | 50 | 17 | 1 | 50 | 10 | 60 | 15 | 50 | 19 | 50 | 16 | 1 |
| 3 | 50 | 17 | 50 | 13 | 60 | 11 | 45 | 12 | 1 | 50 | 16 | 40 | 14 | 50 | 07 | 50 | 08 | 1 |
| 4 | 50 | 10 | 60 | 09 | 55 | 08 | 70 | 11 | 2 | 50 | 08 | 50 | 09 | 60 | 12 | 60 | 11 | 2 |
| 5 | 70 | 13 | 65 | 11 | 50 | 09 | 50 | 08 | 1 | 70 | 10 | 70 | 10 | 60 | 09 | 40 | 07 | 1 |
| 6 | 50 | 10 | 50 | 09 | 50 | 11 | 50 | 10 | 2 | 40 | 06 | 45 | 07 | 45 | 10 | 45 | 07 | 2 |
| 7 | 50 | 11 | 40 | 08 | 35 | 06 | 40 | 06 | 2 | 50 | 07 | 40 | 06 | 35 | 06 | 35 | 07 | 2 |
| 8 | 35 | 11 | 40 | 10 | 50 | 11 | 40 | 11 | 2 | 35 | 08 | 35 | 12 | 40 | 11 | 40 | 11 | 2 |
| 9 | 40 | 09 | 40 | 09 | 40 | 05 | 40 | 05 | 2 | 40 | 10 | 40 | 09 | 40 | 04 | 40 | 04 | 2 |
| 10 | 40 | 05 | 40 | 06 | 40 | 06 | 45 | 13 | 2 | 50 | 03 | 40 | 04 | 40 | 06 | 40 | 08 | 2 |
| 11 | 40 | 10 | 40 | 11 | 50 | 09 | 50 | 09 | 2 | 40 | 09 | 45 | 07 | 40 | 09 | 45 | 08 | 2 |
| 12 | 50 | 09 | 50 | 08 | 50 | 09 | 50 | 11 | 2 | 45 | 08 | 50 | 08 | 50 | 13 | 50 | 13 | 2 |
| 13 | 50 | 09 | 40 | 12 | 40 | 12 | 45 | 11 | 2 | 50 | 08 | 50 | 08 | 40 | 08 | 50 | 07 | 2 |
| 14 | 50 | 10 | 50 | 12 | 55 | 13 | 60 | 18 | 2 | 50 | 07 | 50 | 09 | 60 | 09 | 50 | 09 | 2 |
| 15 | 60 | 18 | 70 | 20 | 60 | 14 | 60 | 18 | 1 | 60 | 15 | 60 | 16 | 60 | 20 | 60 | 14 | 1 |
| 16 | 65 | 14 | 70 | 17 | 80 | 22 | 60 | 25 | 1 | 60 | 15 | 60 | 15 | 60 | 16 | 50 | 16 | 1 |
| 17 | 65 | 14 | 70 | 16 | 70 | 20 | 80 | 19 | 1 | 60 | 18 | 75 | 16 | 70 | 11 | 80 | 14 | 1 |
| 18 | 70 | 16 | 60 | 15 | 60 | 14 | 50 | 16 | 1 | 60 | 12 | 70 | 14 | 60 | 09 | 60 | 12 | 1 |
| 19 | 50 | 20 | 60 | 14 | 60 | 18 | 70 | 16 | 2 | 60 | 09 | 60 | 12 | 50 | 13 | 60 | 09 | 2 |
| 20 | 60 | 18 | 60 | 21 | 65 | 21 | 80 | 21 | 2 | 60 | 14 | 50 | 14 | 60 | 18 | 60 | 16 | 2 |
| 21 | 60 | 24 | 70 | 17 | 60 | 14 | 60 | 11 | 1 | 70 | 14 | 60 | 18 | 50 | 11 | 60 | 09 | 1 |
| 22 | 50 | 11 | 50 | 11 | 40 | 09 | 40 | 06 | 2 | 50 | 07 | 50 | 06 | 50 | 06 | 50 | 04 | 2 |
| 23 | 40 | 09 | 40 | 06 | 50 | 06 | 40 | 05 | 3 | 40 | 05 | 40 | 04 | 40 | 06 | 40 | 04 | 3 |
| 24 | 40 | 06 | 40 | 08 | 40 | 08 | 50 | 09 | 3 | 40 | 05 | 40 | 04 | 50 | 05 | 50 | 05 | 3 |
| 25 | 50 | 11 | 60 | 11 | 55 | 10 | 50 | 12 | 2 | 50 | 09 | 60 | 12 | 60 | 09 | 60 | 09 | 2 |
| 26 | 50 | 15 | 60 | 13 | 60 | 09 | 50 | 10 | 1 | 60 | 12 | 50 | 09 | 50 | 08 | 50 | 06 | 1 |
| 27 | 60 | 09 | 55 | 08 | 50 | 09 | 50 | 08 | 2 | 50 | 08 | 50 | 08 | 40 | 05 | 50 | 07 | 2 |
| 28 | 50 | 07 | .. | .. | .. | .. | 50 | 07 | 3 | 50 | 05 | .. | .. | .. | .. | 40 | 06 | 3 |
| 29 | 40 | 14 | 50 | 09 | 60 | 11 | 50 | 13 | 2 | 50 | 07 | .. | .. | 50 | 10 | 50 | 08 | 2 |
| 30 | 60 | 11 | 50 | 12 | 50 | 08 | 40 | 09 | 2 | 50 | 09 | 50 | 09 | 50 | 07 | 50 | 07 | 2 |
| 31 | 45 | 08 | 45 | 09 | 35 | 10 | 40 | 09 | 1 | 40 | 06 | 50 | 06 | 60 | 07 | 40 | 07 | 1 |

Los números de las columnas T representan décimas de segundo,
 y los números de las columnas A décimas de micron.

G. Fayó
 Director

Ana. G. Menor.

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|------|----------------|----|------|------|--|-------|------|----------------|------|------|----|
| 265 | 3 | | (Continuación) | | | | 269 | 3 | | (Continuación) | | | |
| 37° N - 4° 7' W; Ho=02-27-16; h=33 Kms. Mag. 4.1 Probable próximo a Bobadilla. (Malaga) (L.C.S.S. Madrid). | | | | | | | iSSS ZL,NL 23 03 53 iSa ZL 05 22 Lq EL 06 00 Lr ZL 09 00 M EL 09 00 seg. micrones M EL 39.0 6.6 | | | | | | |
| 266 | 3 | iP | ZS | 04 | 26 | 02 | D=8.400 Kms.=75°6 | | | | | | |
| 4° N - 96° 6' E; Ho=04-12-41,9; (0.6-54); h=70 Kms.; Mag. 5.8 SD 0.4 (CGS); Cerca de la costa W de Sumatra (U.S.C.G.S.) | | | | | | | 61° 6' N - 147° 6' W; Ho=22-33-42,2; h=40 Kms.; Mag. 6 (Pas); 6 1/4 - 6 1/2 (Pal); 5 1/4 (Brk), 5.7 SD 0.4 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| compresión | | | | | | | 270 | 4 | iP | ZS | 04 | 46 | 45 |
| eS | NL | | | 37 | 08 | | dilatación | | | | | | |
| ePS | ZL | | | 38 | 26 | | 60° 3' N - 146° 5' W; Ho=04-34-56,9; (0.8-41); h=5 Kms.; Mag. 5.0 SD 0.4 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| eSS | EL | | | 44 | 12 | | 271 | | | | | | |
| Lq | EL | | | 51 | 00 | | 4 | iP | ZS | 05 | 05 | 46 | |
| Lr | ZL | | | 58 | 00 | | dilatación | | | | | | |
| D=8.655 Kms.=78° | | | | | | | iPP ZL 08 38 ePPP ZL 10 21 iS NL 15 38 iPS NL 16 08 iPPS ZL 16 40 iSS NL 20 20 i(SSS)NL 24 54 Lq EL 25 00 Lr ZL 29 30 M ZL 35 00 seg. micrones iP ZS 2.1 1.1 M ZL 26.0 7.3 | | | | | | |
| 267 | 3 | iP | ZS | 08 | 50 | 31,5 | D=8.710 Kms.=78°4 | | | | | | |
| compresión | | | | | | | 60° 1' N - 146° 7' W; Ho=04-54-01,7; (0.8-76); h=40 Kms.; Mag. 5.6 SD 0.2 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| i | ZS | | | 50 | 42 | | 272 | | | | | | |
| ePP | ZL | | | 53 | 25 | | 4 | eiP | ZS | 08 | 52 | 43,5 | |
| iS | NL | | | 09 | 00 | 22 | compresión | | | | | | |
| eSSS | NL | | | 08 | 20 | | i | ZS | | 52 | 49,5 | | |
| Lr | ZL | | | 15 | 30 | | iPP | ZL | | 55 | 48 | | |
| M | ZL | | | 33 | 00 | | ePPP | ZL | | 57 | 48 | | |
| seg. micrones | | | | | | | ePa EL 58 45 | | | | | | |
| M | ZL | 20.0 | 1.6 | | | | iS | EL | 09 | 02 | 49 | | |
| D=306 Kms.=2°75 | | | | | | | iPS ZL 03 10 | | | | | | |
| 59° 6' N - 144° 7' W; Ho=08-38-42,8; (0.8-50); h=10 Kms.; Mag. 5.4 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | iSS EL,NL 07 54 | | | | | | |
| 268 | 3 | e | ZS | 18 | 29 | 28,5 | iSSS EL 11 21 | | | | | | |
| compresión | | | | | | | Lq EL 14 00 | | | | | | |
| iPg | ZS | | | 29 | 30,5 | | Lr ZL 19 00 | | | | | | |
| iS* | ZS | | | 30 | 00 | | M ZL 30 00 | | | | | | |
| iSg | ES,NS | | | 30 | 06,5 | | seg. micrones | | | | | | |
| M | NS | | | 30 | 17 | | M ZL 18.0 9.3 | | | | | | |
| seg. micrones | | | | | | | D=9.010 Kms.=81°1 (Continúa) | | | | | | |
| M | NS | 0.8 | 0.23 | | | | | | | | | | |
| D=306 Kms.=2°75 | | | | | | | | | | | | | |
| 38° 2' N - 1° 1' W; Ho=18-28-33; h=33 Kms.; Mag. 4.4. Próximo a Albanilla (Murcia) Sentido grado V Albanilla Grado V-IV. Callosa de Se ura. (L.C.S.S. Madrid). | | | | | | | | | | | | | |
| 269 | 3 | iD | ZS | 22 | 45 | 19,5 | | | | | | | |
| compresión | | | | | | | | | | | | | |
| i | ZS | | | 45 | 36,5 | | | | | | | | |
| i | ZS | | | 46 | 00,5 | | | | | | | | |
| iPP | ZL | | | 48 | 10 | | | | | | | | |
| iPa | ZL | | | 51 | 06 | | | | | | | | |
| iS | NL | | | 54 | 58 | | | | | | | | |
| iPS | ZL,NL | | | 55 | 38 | | | | | | | | |
| iPPS | NL | | | 55 | 53 | | | | | | | | |
| iSS | NL | | | 59 | 53 | | | | | | | | |
| (Continúa) | | | | | | | | | | | | | |

Húm. Fecha Fase Comp. H M S

272 4 (Continuación)

56°5 N - 152°6 W; Ho=08-40-29,8;
(0.8-61); h=15 Kms.; Mag. 6.0 (Pal)
5.3 SD 0.4 (CGS); Réplica Alaska.
(U.S.C.G.S.)

| | | | | |
|-----|---|----|----|------------|
| 273 | 4 | iP | ZS | 09 23 06 |
| | | | | compresión |
| | | i | ZS | 23 14 |
| | | Lq | EL | 39 00 |
| | | Lr | ZL | 49 00 |

Desmarcado por el anterior.

56°9 N - 152°7 W; Ho=09-10-55,1
(0.7-74); h=15 Kms. Mag. 5 3/4 - 6
(Pal), 5.9 SD 0.4 (CGS); Réplica
Alaska (U.S.C.G.S.)

| | | | | |
|-----|---|------|-------|---------------|
| 274 | 4 | iP | ZS | 17 58 23 |
| | | | | compresión |
| | | i | ZL | 59 24 |
| | | iPP | ZL | 18 01 22 |
| | | i | ZL | 02 38 |
| | | iPPP | ZL | 03 02 |
| | | iPa | ZL | 04 48 |
| | | iS | NL | 08 34 |
| | | iPS | NL | 09 29 |
| | | iPPS | NL | 10 17 |
| | | iSS | NL | 13 52 |
| | | iSSS | NL,ZL | 17 42 |
| | | Lq | EL | 19 30 |
| | | iSa | NL | 19 56 |
| | | Lr | ZL | 24 00 |
| | | M | ZL | 30 00 |
| | | | | seg. micrones |
| | | M | ZL | 30.0 6.0 |

D=9.135 Kms.=82°2

56°3 N - 154°4 W; Ho=17-46-08,6;
(0.8-78); h=25 Kms.; Mag. 6 1/2
(Pas); 5 3/4 - 6 (Erk); 6 1/2 -
6 3/4 (Pal); Réplica Alaska.
(U.S.C.G.S.)

| | | | | |
|-----|---|----|----|------------|
| 275 | 4 | iP | ZS | 18 11 57 |
| | | | | compresión |

Desmarcado por el anterior.

56°4 N - 154°5 W; Ho=17-59-43,3;
(0.7-48); h=25 Kms.; Mag. 5 1/4 -
(Erk); 6 1/2 - 6 3/4 (Pal), 5.5
SD 0.3 (CGS); Estuario Principe
Guillermo, Réplica Alaska. (U.S.C.
G.S.)

| | | | | |
|-----|---|------|----|------------|
| 276 | 4 | eiP | ZS | 22 28 45,5 |
| | | i | ZS | 29 07 |
| | | iPP | ZL | 31 35 |
| | | ePPP | ZL | 33 22 |

(Continúa)

Núm. Fecha Fase Comp. H M S

276 4 (Continuación)

| | | |
|-----|----|---------------|
| iS | NL | 22 38 54 |
| ePS | ZL | 39 20 |
| eSS | NL | 42 25 |
| Lr | ZL | 53 30 |
| M | ZL | 23 01 00 |
| | | seg. micrones |
| M | ZL | 18.0 3.0 |

59°4 N - 145°2 W; Ho=22-16-54,5;
(0.7-44); h=10 Kms.; Mag. 5 1/2 -
5 3/4 (Pal); 5.1 SD 0.2 (CGS);
Alaska (U.S.C.G.S.)

| | | | | |
|-----|---|------|----|---------------|
| 277 | 5 | iP | ZS | 01 34 27 |
| | | | | compresión |
| | | i | ZS | 34 34,5 |
| | | iPP | ZL | 37 28 |
| | | ePPP | ZL | 39 32 |
| | | iPa | ZL | 40 52 |
| | | iS | EL | 44 38 |
| | | iPS | ZL | 45 46 |
| | | iSS | NL | 50 00 |
| | | iSSS | NL | 53 18 |
| | | iSa | EL | 55 44 |
| | | Lq | EL | 56 30 |
| | | Lr | ZL | 02 00 30 |
| | | Rg | ZL | 08 34 |
| | | M | ZL | 12 00 |
| | | | | seg. micrones |
| | | M | ZL | 18.0 18.6 |

D=9.135 Kms.=82°2

56°2 N - 153°5 W; Ho=01-22-13,3;
(0.8-65); h=25 Kms.; Mag. 6 - 6 1/4
(Pal). 5.4 SD 0.4 (CGS); Réplica
Alaska. Ensenada del Principe Gui-
llermo. (U.S.C.G.S.)

| | | | | |
|-----|---|----|----|----------|
| 278 | 5 | eP | ZS | 01 53 57 |
| | | i | ZS | 54 07,5 |

56° N - 153°3 W; Ho=01-41-45;
(0.7-54); h=35 Kms.; Mag. 5 3/4 -
6 (Pal); 5.2 SD 0.2 (CGS); Réplica
Alaska (U.S.C.G.S.)

| | | | | |
|-----|---|----|----|----------|
| 279 | 5 | Lr | ZL | 12 10 00 |
|-----|---|----|----|----------|

Débil.

41°9 S - 83°7 W; Ho=11-18-38,9;
(1.0-21) h=33 Kms.; Mag. 5.3 SD
0.2 (CGS); Fuera de la costa Sur
de Chile (U.S.C.G.S.)

| | | | | |
|-----|---|----|----|----------|
| 280 | 5 | Lr | ZL | 17 05 00 |
|-----|---|----|----|----------|

Trazas.

| | | | | |
|-----|---|----|----|------------|
| 281 | 5 | iP | ZS | 17 53 55 |
| | | | | compresión |
| | | i | ZS | 54 21 |

(Continúa)

Núm. Fecha Fase Comp. H M S
 281 5 (Continuación)
 Lr ZL 18 22 00
 59°6 N - 144°9 W; Ho=17-42-07,4;
 (0.8-29); h=15 Kms.; Mag. 5.1 SD 0.3
 (CGS); Réplica de Alaska.
 (U.S.C.G.S.)

282 5 iP ZS 19 40 05,5
 i ZS 40 25,5
 iPP ZL 42 47
 eS EL 49 50
 ePS ZL 50 14
 eSS ZL 55 40
 Lr ZL 20 05 00
 seg. micrones
 Lr ZL 20.0 1.0

D=8.555 Kms.=77°

60°2 N - 146°7 W; Ho=19-28-18,1;
 (0.8-85); h=15 Kms.; Mag. 5 - 5 1/4
 (Brk); 5 1/2 (Pal); 5.8 SD 0.3
 (CGS); Réplica de Alaska. Ensenada
 del Principe Guillermo. (U.S.C.G.S.)

283 6 Lr ZL 07 49 00

Trazas.

284 6 iP ZS 10 54 27
 compresión
 Lr ZL 11 21 00

59°9 N - 145°6 W; Ho=10-42-36,3;
 (0.9-33); h=15 Kms.; Mag. 4.8 SD
 0.2 (CGS); Réplica de Alaska
 (U.S.C.G.S.)

285 6 eP ZS 18 16 09
 ePP ZL 19 36
 Lr ZL 45 00

56°4 N - 151°8 W; Ho=18-03-56,4;
 (0.7-29); h=20 Kms.; Mag. 4.7 SD
 0.1 (CGS); Réplica Alaska. Ensenada
 del Principe Guillermo.
 (U.S.C.G.S.)

285 6 Lr ZL 23 49 00

57°1 N - 153°3 W; Ho=22-57-53,3;
 (0.6-11); h=15 Kms.; Mag. 4.2 SD 0.4
 (CGS); Réplica Alaska. (U.S.C.G.S.)

287 7 iP ZS 01 55 32,5
 compresión
 eS HL 02 05 37
 Lq EL 16 30
 Lr ZL 21 00
 M ZL 26 00
 seg. micrones
 M ZL 26.0 1.6
 (Continúa)

Núm. Fecha Fase Comp. H M S
 287 7 (Continuación)

58°5 N - 154°5 W; Ho=01-43-28,7;
 (0.9-39); h=30 Kms.; Mag. 5.1 SD
 0.3 (CGS); Réplica Alaska. Ensenada
 del Principe Guillermo.
 (U.S.C.G.S.)

288 7 iP" ZS 13 36 49,5
 Dilatación
 i ZS, ZL 38 07
 Lr ZL 14 20 00

0°1 N - 123°2 E; Ho=13-18-18,9;
 (0.9-34); h=150 Kms.; Mag. 5.9
 (CGS); Norte de las Islas Célebes.
 (U.S.C.G.S.)

289 7 iP ZS 18 14 39,5
 compresión
 Lr ZL 40 00

57°3 N - 151°1 E; Ho=18-02-24,7;
 (0.7-31); h=20 Kms.; Mag. 4.8 SD
 0.2 (CGS); Réplica de Alaska.
 Ensenada del Principe Guillermo.
 (U.S.C.G.S.)

290 7 iP ZS 19 40 40,5
 compresión
 Lr ZL 20 14 00

55°7 N - 151°9 W; Ho=19-28-24,7;
 (0.7-55); h=20 Kms.; Mag. 5.6 SD
 0.3 (CGS); Réplica Alaska. Ensenada
 del Principe Guillermo. (U.S.C.G.S.)

291 8 eP ZS 00 25 27
 Lr ZL 56 00

56°2 N - 149°4 W; Ho=00-13-18,7;
 (0.6-17); h=33 Kms.; Mag. 4.3 SD
 0.2 (CGS); Réplica Alaska.
 (U.S.C.G.S.)

292 8 Lr ZL 02 57 00

46°1 N - 152°8 E; Ho=02-04-06,5;
 (0.6-32); h=40 Kms.; Mag. 4.9 SD
 0.2 (CGS); Islas Kuriles (U.S.C.G.S.)

293 8 iP ZS 08 20 30,5
 compresión
 i ZS 20 51
 eS EL 30 42
 Lr ZL 43 50

D=9.135 Kms.=82°2

6°8 S - 68°9 E; Ho=08-08-11,8;
 (0.8-21); h=33 Kms.; Mag. 5.7
 (CGS); Región del Archipiélago
 de las Islas Chagos. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|---------------|------------|------|----|
| 294 | 8 | iP | ZL | 11 | 11 | 14 |
| | | | | compresión | | |
| | | iPP | ZL | 15 | 03 | |
| | | iPPP | ZL | 17 | 10 | |
| | | iS | NL | 22 | 08 | |
| | | iPS | ZL | 23 | 44 | |
| | | iSS | ZL | 29 | 10 | |
| | | iSa | ZL | 35 | 44 | |
| | | Lr | ZL | 44 | 30 | |
| | | M | ZL | 53 | 00 | |
| | | | seg. micrones | | | |
| | | M | ZL | 23.0 | 21.0 | |

D=10.165 Kms.=91°5

45°8 N - 150°8 E; Ho=10-58-09,1;
(0.5-72); h=40 Kms.; Mag. 5 1/2 -
5 3/4 (Brk); 6 1/4 - 6 1/2 (Pal);
0.5 SD 0.3 (CGS); Islas Kuriles.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|----|------------|----|----|
| 295 | 8 | iP | ZS | 14 | 17 | 28 |
| | | | | compresión | | |
| | | ipP | ZS | 18 | 00 | |
| | | iS | NL | 21 | 40 | |
| | | esS | ZL | 21 | 48 | |
| | | Lr | ZL | 23 | 00 | |

D=2.665 Kms.=24°

35°3 N - 24°3 E; Ho=14-12-33;
h=100 Kms.; Costa sur de la Isla
de Creta (B.C.I.S.)

| | | | | | | |
|-----|---|----|----|------------|----|----|
| 296 | 8 | iP | ZS | 19 | 11 | 05 |
| | | | | compresión | | |
| | | Lr | ZL | 40 | 00 | |

55°9 N - 149°9 W; Ho=18-58-50,5;
(0.7-30); h=35 Kms.; Mag. 4.8 SD 0.2
(CGS); Réplica Alaska. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|---------------|------------|-----|------|
| 297 | 8 | iP | ZS | 19 | 45 | 09,5 |
| | | | | Dilatación | | |
| | | eS | NL | 55 | 02 | |
| | | Lr | ZL | 20 | 13 | 00 |
| | | M | ZL | 19 | 00 | |
| | | | seg. micrones | | | |
| | | M | ZL | 20.0 | 1.3 | |

Enmascarado por el anterior.
59°6 N - 147° W; Ho=19-33-19;
(0.7-57); Mag. 5.1 SD 0.3 (CGS);
Réplica Alaska. Ensenada del Prin-
cipe Guillermo. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|-------|------------|----|----|
| 298 | 8 | iP | ZS | 20 | 02 | 03 |
| | | | | compresión | | |
| | | i | ZS | 02 | 07 | |
| | | i | ZS | 02 | 12 | |
| | | eS | EL,NL | 11 | 48 | |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|---------------|----------------|-----|----|
| 298 | 8 | | | (Continuación) | | |
| | | Lr | ZL | 20 | 30 | 30 |
| | | M | ZL | | 36 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 20.0 | 2.3 | |

Enmascarado por el anterior.
D=8.565 Kms.=77°1

60°4 N - 145°9 W; Ho=19-50-16,8;
(0.5-54); h=10 Kms.; Mag. 5 1/4 -
5 1/2 (Pal); 5.3 SD 0.3 (CGS);
Estuario del Principe Guillermo.
Réplica Alaska. (U.S.C.G.S.) (Los sis-
mos de Alaska en general muestran
P multiples.)

| | | | | | | |
|-----|---|----|----|---|----|----|
| 299 | 9 | Lr | ZL | 04 | 52 | 00 |
| | | | | Débil. | | |
| | | | | 60°1 N - 145°9 W; Ho=03-45-07; (0.3-5); h=33 Kms.; Mag. 3.8 (CGS); Ensenada del Principe Guillermo. (U.S.C.G.S.) | | |

| | | | | | | |
|-----|---|----|---------------|------------|-----|----|
| 300 | 9 | iP | ZS | 13 | 18 | 05 |
| | | | | Dilatación | | |
| | | i | ZS | 18 | 09 | |
| | | iS | EL | 27 | 46 | |
| | | Lq | EL | 38 | 00 | |
| | | Lr | ZL | 43 | 00 | |
| | | M | ZL | 53 | 00 | |
| | | | seg. micrones | | | |
| | | M | ZL | 18.0 | 1.6 | |

D=9.835 Kms.=88°5

59°6 N - 146°1 W; Ho=13-06-15,2;
(0.8-50); h=15 Kms. Mag. 5 1/2 -
5 3/4 (Pal); 5.1 SD 0.4 (CGS);
Ensenada del Principe Guillermo.
Réplica Alaska. (U.S.C.G.S.)

| | | | | | | |
|-----|---|-------|---------------|-----|------|----|
| 301 | 9 | iPg | ZS | 14 | 26 | 14 |
| | | i(Sn) | NS,ES | 26 | 36 | |
| | | iSg | NS | 26 | 46,5 | |
| | | | seg. micrones | | | |
| | | iSg | NS | 0.8 | 0.06 | |

D=278 Kms.=2°50

| | | | | | | |
|-----|---|----|---------------|------------|-----|----|
| 302 | 9 | iP | ZS | 22 | 07 | 18 |
| | | | | Dilatación | | |
| | | i | ZS | 07 | 26 | |
| | | eS | EL | 17 | 58 | |
| | | Lr | ZL | 38 | 00 | |
| | | M | ZL | 40 | 00 | |
| | | | seg. micrones | | | |
| | | M | ZL | 24.0 | 1.0 | |

D=9.800 Kms.=88°2

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|------|----------------|------|------|---------|---|-------|------|----------------|---|---|---|
| 302 | 9 | | (Continuación) | | | | 306 | 10 | | (Continuación) | | | |
| 18°5 S - 71°5 W; Ho=21-54-42,1; (1.2-30); h=39 Kms.; Mag. 5.2 SD 0.2 (CGS); Sur del Perú. Sentido en Arequipa. (U.S.C.G.S.) | | | | | | | Lr ZL 22 20 00 M EL 20 00 seg. micrones M EL 40,0 2.9 | | | | | | |
| 303 | 9 | iP* | ZS | 22 | 31 | 00,5 | D=8.665 Kms.=78° | | | | | | |
| | | ePg | ZS | | 31 | 08 | 60°1 N - 153°7 W; Ho=21-44-06,7; (0.6-63); h=10 Kms.; Mag. 5 1/2 - 5 3/4 (Pal); 5.6 SD 0.4 (CGS); Réplica Alaska. Ensenada del Prin- cipe Guillermo. (U.S.C.G.S.) | | | | | | |
| | | iSn | ES | | 31 | 37 | ----- | | | | | | |
| | | iS* | ZS | | 31 | 51,5 | 307 11 iP' ZS 01 24 02,5 Compresión | | | | | | |
| | | | seg. micrones | | | | iP' ZS 25 12,5 ePP ZS 29 05,5 | | | | | | |
| | | iS* | ZS | 0.8 | 0.07 | | ----- | | | | | | |
| D=344,4 Kms.=3°1 | | | | | | | 29° S - 178°9 W; Ho=01-04-30,2; (1.2-35); h=302 Kms.; Mag. 5.3 SD 0.4 (CGS); Islas Kermadec. (U.S.C.G.S.) | | | | | | |
| 304 | 10 | iP | ZS | 01 | 20 | 02 | 308 11 Lr ZL 08 16 00 | | | | | | |
| | | | compresión | | | | 59°6 N - 144°8 W; Ho=07-33-52* (0.7-16); h=33 Kms.; Mag. 4.4 SD 0.4 (CGS); Réplica Alaska. Ensenada del Principe Guillermo. (U.S.C.G.S.) | | | | | | |
| | | i | ZS | | 20 | 08,5 | ----- | | | | | | |
| | | eS | EL | | 30 | 05 | 309 11 eP ZS 09 36 02 Lr ZL 10 04 00 | | | | | | |
| | | ePS | ZL | | 30 | 24 | 56°4 N - 152°2 W; Ho=09-23-51,5; (1.0-27); h=33 Kms.; Mag. 4.6 SD 0.4 (CGS); Réplica de Alaska. Ensenada del Principe Guillermo. (U.S.C.G.S.) | | | | | | |
| | | Lq | EL | | 41 | 00 | ----- | | | | | | |
| | | Lr | ZL | | 48 | 00 | 310 11 eP ZS 11 47 45,5 Lr ZL 12 59 00 | | | | | | |
| | | M | ZL | | 56 | 00 | 60°4 N - 146°4 W; Ho=11-36-00,5; (0.4-41); h=15 Kms.; Mag. 4.8 SD 0.3 (CGS); Réplica Alaska. Ensenada del Principe Guillermo. (U.S. C.G.S.) | | | | | | |
| | | | seg. micrones | | | | ----- | | | | | | |
| | | M | ZL | 17.0 | 1.4 | | 311 11 iP ZS 16 05 36,5 compresión | | | | | | |
| D=9.065 Kms.=81°6 | | | | | | | iP ZS 05 41 ePP ZS 05 04,5 iPcP ZL 08 42 iS NL 09 48 iSS NL 10 00 Lq NL 10 06 Lr ZL 11 30 M ZL 17 00 seg. micrones M ZL 14.0 5.0 (Continúa) | | | | | | |
| 305 | 10 | iP | ZS | 19 | 17 | 44,5 | ----- | | | | | | |
| | | | Dilatación | | | | 306 10 iP ZS 21 56 03,5 Dilatación | | | | | | |
| | | iPP | ZS | | 20 | 41,5 | i ZS 56 07,5 iPP ZS 59 06,5 eS EL 22 05 54 ePS ZL 06 44 eSS NL 11 14 Lq EL 16 30 | | | | | | |
| | | eS | NL | | 27 | 32 | Continúa | | | | | | |
| | | Lq | EL | | 41 | 00 | | | | | | | |
| | | Lr | ZL | | 45 | 00 | | | | | | | |
| | | M | ZL | | 53 | 00 | | | | | | | |
| | | | seg. micrones | | | | | | | | | | |
| | | M | ZL | 16.0 | 1.0 | | | | | | | | |
| D=9.065 Kms.=81°6 | | | | | | | | | | | | | |
| 306 | 10 | iP | ZS | 21 | 56 | 03,5 | | | | | | | |
| | | | Dilatación | | | | | | | | | | |
| | | i | ZS | | 56 | 07,5 | | | | | | | |
| | | iPP | ZS | | 59 | 06,5 | | | | | | | |
| | | eS | EL | | 22 | 05 54 | | | | | | | |
| | | ePS | ZL | | 06 | 44 | | | | | | | |
| | | eSS | NL | | 11 | 14 | | | | | | | |
| | | Lq | EL | | 16 | 30 | | | | | | | |
| D=9.065 Kms.=81°6 | | | | | | | | | | | | | |
| 307 | 11 | iP' | ZS | 01 | 24 | 02,5 | | | | | | | |
| | | | Compresión | | | | | | | | | | |
| | | iP' | ZS | | 25 | 12,5 | | | | | | | |
| | | ePP | ZS | | 29 | 05,5 | | | | | | | |
| D=9.065 Kms.=81°6 | | | | | | | | | | | | | |
| 308 | 11 | Lr | ZL | 08 | 16 | 00 | | | | | | | |
| D=9.065 Kms.=81°6 | | | | | | | | | | | | | |
| 309 | 11 | eP | ZS | 09 | 36 | 02 | | | | | | | |
| | | Lr | ZL | 10 | 04 | 00 | | | | | | | |
| D=9.065 Kms.=81°6 | | | | | | | | | | | | | |
| 310 | 11 | eP | ZS | 11 | 47 | 45,5 | | | | | | | |
| | | Lr | ZL | 12 | 59 | 00 | | | | | | | |
| D=9.065 Kms.=81°6 | | | | | | | | | | | | | |
| 311 | 11 | iP | ZS | 16 | 05 | 36,5 | | | | | | | |
| | | | compresión | | | | | | | | | | |
| | | iP | ZS | | 16 | 05 36,5 | | | | | | | |
| | | iPP | ZS | | 20 | 41,5 | | | | | | | |
| | | eS | NL | | 27 | 32 | | | | | | | |
| | | Lq | EL | | 41 | 00 | | | | | | | |
| | | Lr | ZL | | 45 | 00 | | | | | | | |
| | | M | ZL | | 53 | 00 | | | | | | | |
| | | | seg. micrones | | | | | | | | | | |
| | | M | ZL | 16.0 | 1.0 | | | | | | | | |

Núm. Fecha Fase Comp. H M S
 320 12 eiP ZS 12 48 26
 i ZS 48 35

56°4 N - 151°4 W; Ho=12-36-23;
 (1.1-25); h=30 Kms.; Mag. 5.0 SD
 0.3 (CGS); Réplica Alaska. Ensenada
 del Principe Guillermo. (U.S.C.G.S.)

321 12 eP ZS 13 00 10
 i ZS 00 19
 eS EL 10 20
 Lq EL 22 00
 Lr ZL 27 30

56°6 N - 151°3 W; Ho=12-48-02,2;
 (1.0-48); h=33 Kms.; Mag. 5.1 SD
 0.3 (CGS); Ensenada del Principe Gui-
 llermo. Réplica Alaska. (U.S.C.G.S.)

322 12 iP ZS 17 33 46,5
 Compresión
 ePP ZL 36 40
 eS NL 43 36
 eSS NL 48 22
 Lq EL 55 00
 Lr ZL 58 00

D=8.665 Kms.=78°

60°2 N - 145°6 W; Ho=17-22-02,2;
 (0.7-57); h=20 Kms.; Mag. 5.0 SD
 0.3 (CGS); Réplica Alaska. Ensenada
 del Principe Guillermo.
 (U.S.C.G.S.)

323 13 eiP ZS 01 29 14
 i ZS 29 28

55°6 N - 157° W; Ho=01-17-36*
 (0.7-6); h=33 Kms.; Mag. 4.0 (CGS)
 Ensenada del Principe Guillermo.
 Réplica Alaska. (U.S.C.G.S.)

324 13 iP ZS 03 31 43
 dilatación

27°6 N - 90°2 E; Ho=03-20-04,5;
 (1.3-27); Mag. 5.4 (CGS); Butan
 (U.S.C.G.S.)

325 13 iP ZS 08 34 02
 compresión
 ePPP ZS 34 35
 iS NL 37 12
 iSS NL,ZL 37 28
 Lq NL 37 30
 Lr ZL 38 55
 M NL 41 00
 seg. micrones
 M NL 13.0 18.5

D=1.935 Kms.=17°4

(Continúa)

Núm. Fecha Fase Comp. H M S
 325 13 (Continuación)

45°3 N - 18°2 E; Ho=08-30-05;
 Mag. 5.7. Norte de
 Yugoslavia (Pruhonice).

Daños y heridos en Slavonski,
 Brond, Djakovo, Vonkovar, Osijet,
 Sentido Grado IV en Belgrado y
 Topola, Subotica, Navisad, etc.
 Fuertemente sentido en Hungría
 y hasta en Budapest (B.C.I.S.)

326 13 iP ZS 12 37 14,5
 dilatación
 i ZL 37 40
 iPP ZL 40 32
 iS NL 47 26
 ePS ZL 48 14
 Lr ZL 13 01 00
 M ZL 05 00
 seg. micrones
 M ZL 20.0 4.0

D=9.155 Kms.=82°4

59°4 N - 143°9 W; Ho=12-25-35;
 (0.8-23); h=40 Kms.; Mag. 4.9 SD
 0.3 (CGS); Réplica Alaska.
 (U.S.C.G.S.)

327 13 iP ZS 14 16 57
 compresión

57°6 N - 151°2 W; Ho=14-05-00,0;
 (0.6-57); h=25 Kms.; Mag. 4 3/4 -
 (Brk); 5 - 5 1/4 (Pal); 5.5 SD 0.2
 (CGS); Réplica Alaska.
 (U.S.C.G.S.)

328 13 iP ZS 16 26 28,5
 compresión
 iS NL 36 28
 eSS NL 42 16
 Lr ZL 54 00
 M ZL 17 01 00
 seg. micrones
 M ZL 20.0 1.6

D=8.855 Kms.=79°7

56°6 N - 152°1 W; Ho=16-14-06,3;
 (0.8-45); h=33 Kms.; Mag. 5.1 SD
 0.3 (CGS); Réplica Alaska. Ense-
 nada del Principe Guillermo.
 (U.S.C.G.S.)

329 13 iP ZS 21 37 32,5
 dilatación
 eS EL 47 34
 Lr ZL 22 07 00

57°5 N - 153°9 W; Ho=21-25-33;
 (Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|-------|----------------|---------------|------|------|--|-------|------|-------|-----|------|------|
| 329 | 13 | | (Continuación) | | | | 336 | 14 | eP | ZS | 17 | 11 | 13 |
| (0.8-68); h=30 Kms.; Mag. 5.5 SD 0.3 (CGS); Réplica Alaska. Enseñada del Principe Guillermo. Sentido en Kodiak. (U.S.C.G.S.) | | | | | | | 61°4 N - 150°8 W; Ho=16-59-30,1; (0.7-36); h=35 Kms.; Mag. 5.1 SD 0.2 (CGS); Sentido en Anchorage. Réplica de Alaska. (U.S.C.G.S.) | | | | | | |
| 330 | 13 | iP | ZS | 21 | 54 | 52,5 | 337 | 14 | iP | ZS | 22 | 41 | 17,5 |
| | | Lr | ZL | 22 | 20 | 00 | | | i | ZS | 41 | 19,5 | |
| 59°4 N - 143°1 W; Ho=21-43-16,5; (0.9-48); h=33 Kms.; Mag. 5.1 SD 0.2 (CGS); Réplica Alaska. Enseñada del Principe Guillermo. (U.S.C.G.S.) | | | | | | | 59°9 N - 145°6 W; Ho=22-29-31,1; (1.0-29); h=23 Kms.; Mag. 4.5 SD 0.3 (CGS); Réplica Alaska. Enseñada del Principe Guillermo. (U.S.C.G.S.) | | | | | | |
| 331 | 14 | iP | ZS | 01 | 17 | 12 | 338 | 14 | iP | ZS | 23 | 07 | 35,5 |
| | | Lr | ZL | 51 | 00 | | | | iS | NL | 17 | 44 | |
| 49°4 N - 155°5 E. Ho=01-04-28,8; (0.8-46); h=60 Kms.; Mag. 5.2 SD 0.4 (CGS); Islas Kuriles. (U.S.C.G.S.) | | | | | | | iPS ZL 19 10 iSS NL 23 28 Lq EL 28 32 Lr ZL 33 00 M ZL 41 00 Seg. micrones M ZL 20.0 4.3 | | | | | | |
| 332 | 14 | iP | ZS | 06 | 38 | 31,5 | D=9.090 Kms.=31°8 | | | | | | |
| | | | | compresión | | | 58° N - 152°6 W; Ho=22-55-31,3; (0.9-72); h=30 Kms.; Mag. 5.4 SD 0.3 (CGS); Réplica Alaska. Enseñada Principe Guillermo. (U.S.C.G.S.) | | | | | | |
| 39° N - 14°5 E; Ho=06-35-30,1; (0.7-23); h=306 Kms.; Mag. 4.3 SD 0.4 (CGS); Mar Tirreno. (U.S.C.G.S.) | | | | | | | 339 | 15 | iP | ZS | 08 | 35 | 32,5 |
| 333 | 14 | iP | ZS | 09 | 19 | 07 | 57°4 N - 149°5 W; Ho=08-23-27,4; (0.6-43); h=15 Kms.; Mag. 4.9 SD 0.4 (CGS); Réplica Alaska. Enseñada del Principe Guillermo. (U.S.C.G.S.) | | | | | | |
| | | i | ZL | 19 | 19,5 | | 340 | 15 | iPg | ZS | 08 | 41 | 10,5 |
| | | Lr | ZL | 10 | 22 | 00 | | | i | ZS | 41 | 24,5 | |
| Irazas. | | | | | | | | | eS* | ZS | 41 | 34 | |
| 334 | 14 | i(Pg) | ZS | 10 | 22 | 39 | | | iSg | ES | 41 | 40 | |
| | | iSn | ZS | 23 | 04,5 | | | | iSg | ES | 0.6 | 0.14 | |
| | | iS* | ZS | 23 | 09,5 | | D=256 Kms.=2°30 | | | | | | |
| | | iSg | NS | 23 | 16 | | 38°4 N - 10°8 W; Ho=08-40-26; h=33 Kms.; Mag. 4.1; Próximo a D ^a Inés (Murcia) (L.C.S.S.Madrid) | | | | | | |
| | | | | seg. micrones | | | 341 | 15 | iP | ZS | 15 | 42 | 59 |
| | | iSg | NS | 05 | 0.17 | | | | i | ZS | 43 | 09 | |
| D=317 Kms.=2°85 | | | | | | | | | iPP | ZL | 46 | 04 | |
| 38°2 N - 1° W; Ho=10-21-42,7; h=33 Kms.; Mag. 4.4. Próximo a Al-banilla (Murcia). (L.C.S.S.Madrid) | | | | | | | | | ePPP | ZL | 47 | 12 | |
| 335 | 14 | iP | ZS | 16 | 06 | 50,5 | | | iPa | ZL | 49 | 08 | |
| | | i | ZS | 07 | 01 | | (Continúa) | | | | | | |
| | | eS | EL | 16 | 43 | | | | | | | | |
| | | Lr | ZL | 32 | 00 | | | | | | | | |
| 61°3 N - 147°3 W; Ho=15-55-10,9; (0.9-51); h=30 Kms.; Mag. 5.4 SD 0.3 (CGS); Réplica Alaska. Sentido en Anchorage. (U.S.C.G.S.) | | | | | | | | | | | | | |

Núm. Fecha Fase Comp. H M S
 352 18 (Continuación)

i(PPS) ZL 20 41 12
 eSS NL 43 44
 Lq EL 52 00
 M ZL 21 06 00
 seg. micrones
 M ZL 20.0 4.0

D=9.245 Kms.=83°2

56°1 N - 153°7 W; Ho=20-16-16,3;
 (0.9-30); h=30 Kms.; Mag. 4.9 SD
 0.3 (CGS); Réplica Alaska. Ensenada
 del Príncipe Guillermo. (U.S.C.G.S.)

363 19 Lq EL 04 44 00
 Lr ZL 04 52 00

Trazas.

364 19 ePS ZL 05 41 21
 eSS ZL 47 30
 Lr ZL 06 02 00
 M ZL 13 00
 seg. micrones
 M ZL 24.0 3.0

41°7 S - 83°9 W; Ho=05-13-01,6;
 (0.8-29); h=33 Kms.; Mag. 5.5 SD
 0.1 (CGS); Fuera de la costa S de
 Chile. (U.S.C.G.S.)

355 19 iPP ZS 14 31 17,5
 iPPF ZL 33 44
 iS EL 38 57
 i(PS) ZL 40 44
 iSS EL 46 30
 iSSS EL 50 35
 Lq EL 54 00
 Lr ZL 57 00
 M ZL 16 04 00
 seg. micrones
 M ZL 35.0 3.7

40°5 S - 58°3 W; Ho=14-12-21,9;
 (0.8-15); h=33 Kms.; Mag. 5.4 (CGS)
 Cerca y al S de las Islas Shetland.
 (U.S.C.G.S.)

366 19 e ZS 19 54 25
 Lr ZL 20 21 00

Trazas.

367 20 iPg ZS 00 35 52
 iSg ZS 36 39,5
 seg. micrones
 iSg ZS 0.4 0.02

Trazas.

Núm. Fecha Fase Comp. H M S
 368 20 eIP ZS 03 46 28
 Lr ZL 04 16 00

59°7 N - 144°6 W; Ho=03-34-45,1;
 (0.6-37); h=30 Kms.; Mag. 4.7 SD 0.3
 (CGS); Réplica Alaska. (U.S.C.G.S.)

369 20 iP ZS 12 03 21
 dilatación
 iP ZS, ZL 08 31
 iPP ZL 11 09
 iS EL 13 16
 iPS NL 18 41
 eSS NL 22 36
 eSSS ZL 26 44
 Lq ZL 29 00
 Lr ZL 32 00
 M ZL 41 00
 seg. micrones
 M ZL 23.0 8.3

D=8.780 Kms.=79°

61°4 N - 147°3 W; Ho=11-56-41,6;
 (0.8-87); h=30 Kms.; Mag. 5 1/2
 (Pas); 6 3/4 (Brk); 6 - 6 1/4
 (Pal); 5.7 SD 0.4 (CGS); Sentido
 en Anchorage (Alaska). Probable-
 mente dos sacudidas con 10 seg.
 de diferencia (U.S.C.G.S.)

370 20 iP ZS 16 30 07
 compresión
 i ZS 30 16
 Lr ZL 58 00

60°7 N - 145°3 W; Ho=16-18-26,4;
 (0.5-41); h=15 Kms.; Mag. 4.9 SD
 0.4 (CGS); Réplica Alaska.
 (U.S.C.G.S.)

371 20 eP ZS 18 42 32,5
 ePP ZS 43 05,5

Débil.

35°2 N - 24°5 E; Ho=18-37-34,2;
 (0.5-12); h=78 Kms.; Mag. 4.5
 (CGS); Creta. (U.S.C.G.S.)

372 21 iP ZS 05 13 14
 dilatación
 i ZS 13 24,5
 eS EL 22 54
 ePS ZL 23 06
 Lq EL 36 00
 Lr ZL 38 00
 M ZL 43 00
 seg. micrones
 M ZL 27.0 2.0

61°5 N - 147°4 W; Ho=05-01-35,7;
 (0.8-66); h=40 Kms.; Mag. 5.4 SD
 0.3 (CGS); 6 (Pas); 4 3/4 - 5
 (BKS); Sentido en Anchorage.
 (U.S.C.G.S.)

Núm. Fecha Fase Comp. H L S
 383 23 Lr ZL 21 58 00

14° N - 124° E; Ho=20-45-20,7;
 (0.7-11); h=45 Kms.; Cerca de la
 costa E de Luzón. Islas Filipinas.
 (U.S.C.G.S.)

384 24 iP ZS 00 55 18
 Lr ZL 01 35 00

52° N - 160° E; Ho=00-42-33,9;
 (0.5-35); h=33 Kms.; Mag. 4.9 SD 0.4
 (CGS); Cerca de la costa E de
 Kamchatka. (U.S.C.G.S.)

385 24 eP ZS 03 54 20
 e ZS 54 35

38° N - 21° E; Ho=03-49-57,8;
 (0.9-7); h=92 Kms.; Mag. 4.1 (CGS)
 Sur de Grecia. (U.S.C.G.S.)

386 24 iP ZS 04 02 51
 Dilatación
 ePP ZL 05 46
 iS NL,EL 12 40
 ePS ZL 13 07
 Lq ZL 23 30
 Lr ZL 27 00

D=8.655 Kms.=77°9

59° N - 144° W; Ho=03-51-05;
 (0.7-43); h=33 Kms.; Mag. 5.2 SD
 0.3 (CGS); Réplica Alaska. Enseña-
 da del Principe Guillermo.
 (U.S.C.G.S.)

387 24 eiP ZS 04 35 16,5

56° N - 151° W; Ho=04-23-05,1;
 (0.7-16); h=20 Kms.; Mag. 4.1 SD
 0.2 (CGS); Réplica Alaska.
 (U.S.C.G.S.)

388 24 eP" ZS 06 15 07
 iP" ZL 15 17
 dilatación
 iP" ZL,ZS 15 46
 iS" ZL 16 58
 iPP ZL,ZS 18 00
 i ZS 18 30
 iP" ZL 18 39
 iS" ZS 18 53
 i ZL 19 20
 i ZL 19 31
 ePPP ZS 20 43
 eSKS NL 22 22
 iSKKS NL 24 43
 iSKKKS EL 26 09
 iSKSP ZL 27 49
 iPS ZS 28 22
 iPPS ZL 29 51
 (Continúa)

Núm. Fecha Fase Comp. H L S
 388 24 (Continuación)
 1 NL 06 31 10
 iSS NL 35 47
 iSSS NL 40 24
 Lq EL 52 00
 seg. micrones
 Lq EL 60.0 32.7

D=15.055 Kms.=135°5

5° S - 144° E; Ho=05-56-10,1;
 (0.6-56); h=106 Kms.; Mag. 6 1/2 -
 6 3/4 (BKS); 6.3 SD 0.6 (CGS);
 Noreste de Nueva Guinea. Algunos
 daños en Hagen. Sentido ampliamente.
 (U.S.C.G.S.)
 Ver G. Payo Subiza and M. Bath "Core
 phases and the Junes Core Bomedary"
 Geophysical Journal of the Royal
 Astronomical Society. Vol. 8 No. 5
 1964.

389 24 iP ZS 14 52 03,5
 compresión
 e ZS 52 29,5
 epP ZL,ZS 52 45,5
 ePP ZL 55 05
 epPP ZL 55 54
 iS EL 15 01 46
 iS EL 02 24
 iPS EL 02 51
 eSS NL 06 52
 eSSS EL 11 18
 Lq NL 13 00
 Lr ZL 16 00
 M EL 22 00
 seg. micrones
 M ZL 22.0 0.2

D=8.420 Kms.=75°8

13° N - 88° W; Ho=14-40-28,3;
 (1.0-44); h=158 Kms. Mag. 6 (Pal)
 5.1 SD 0.4 (CGS); Sentido cerca
 de la costa de El Salvador.
 (U.S.C.G.S.)

390 24 iP ZS 20 22 18,5

Trazas.

391 25 eP ZS 01 17 22

37° N - 30° E; Ho=01-11-44,3;
 (1.0-8); h=44 Kms. Mag. 4.5 (CGS)
 Sureste de Turquía (U.S.C.G.S.)

392 25 iP ZS 09 55 15,5
 dilatación
 eS NL 10 05 05
 Lr ZL 10 20 00

59° N - 144° W; Ho=09-43-30,7;
 (Continúa)

Núm. Fecha Fase Comp. H M S
392 25 (Continuación)

(0.8-41); h=30 Kms.; Mag. 5.0 SD
0.3 (CGS); Réplica Alaska. Ensenada
del Príncipe Guillermo. (U.S.C.G.S.)

393 25 i ZS 12 30 43,5
i(Sg) NS 30 48,5
seg. micrones
i(Sg) NS 0.5 0.08

Sismo probablemente artificial.

394 25 iP ZS 12 49 39,5
(Dilatación)
i ZS 49 49
i ZS 49 57
eS ZL 54 28
Lr ZL 57 00

35°5 N - 28°1 E; Ho=12-44-21;
Mediterraneo Oriental. Cerca de la
Isla de Rodas (B.C.I.S.)

35°2 N - 27°6 E; Ho=12-44-09,6;
(1.2-23); h=27 Kms.; Mag. 4.5 SD
0.3 (CGS); Región Islas Dodecaneso.
(U.S.C.G.S.)

395 25 eP ZS 16 21 49
Lr ZL 50 00

59°9 N - 146°1 W; Ho=16-10-01,3;
(0.7-19); h=33 Kms.; Mag. 4.6 SD 0.4
(CGS); Réplica Alaska. (U.S.C.G.S.)

396 25 eSS NL 19 10 44
Lr ZL 27 00

24°4 N - 125°3 E; Ho=18-37-58,1;
(0.9-43); h=33 Kms.; Mag. 5.3 SD
0.1 (CGS); Islas Ryukyu. (U.S.C.G.S.)

397 26 iP ZS 01 37 42
compresión
eS EL 41 36
Lq EL 44 00

34°8 N - 26°1 E; Ho=01-31-55*
(0.6-9); h=70 Kms.; Mag. 4.0 (CGS)
Cerca de la Costa Sur de Creta.
(U.S.C.G.S.)

398 26 eP₁ ZS 15 11 11,5
iP₂ ZS 11 53
i ZS 12 25
iP₂ ZS 13 50

20°6 S - 178° W; Ho=14-52-07,6;
(0.7-38); h=490 Kms.; Mag. 5.1 SD
0.3 (CGS); Región Islas Fidji.
(U.S.C.G.S.)

Núm. Fecha Fase Comp. H M S
399 26 1aPn ZS 10 16 57
iP* ZS 17 04
i ZS 17 21,5
iSn ZS,NS 17 42,5
i NS 17 48,5
iS* ZS 17 54
i NS 17 59
i NS 18 05
i(Sg) ZS,NS 18 09
seg. micrones
i(Sg) ZS,NS 0.9 0.09

D=350 Kms.=2°15

35°8 N - 4°9 W; Ho=10-15-55; h=65
Kms.; Mag. 4.3; 35 Kms. al E de Ceu-
ta (L.C.S.S. Madrid).

Se observa la ausencia de Pg y
Sg, tal como se indica en G. Payo
"Crustal phases across the Iberian
Peninsula Region". Annali di Geo-
fisica. Vol. XVII, nº 1. 1965.

400 26 ePn ZS 20 29 42
iP* ZS 29 48,5
i ZS 29 52,5
iPg ZS 29 56
i ES 30 17
iSn NS 30 24
!i NS 30 29
seg. micrones
i NS 08 0.12

D=256 Kms.=2°30

36°3 N - 4°1 W; Ho=20-28-51; h=33 km
Mag. 4.3; Mar de Alborán.
(L.C.S.S. Madrid)

401 26 Lr ZL 23 30 00

28°1 S - 178°2 W; Ho=22-17-02,2;
(0.1-6); h=37 Kms. Mag. 4.1 (CGS);
Islas Kermadec. (U.S.C.G.S.)

402 27 Lq NL 02 20 00
Lr ZL 35 00

0°3 N - 98°1 E; Ho=01-37-12,1;
(0.7-19); h=33 Kms.; Mag. 5.3
(CGS); Fuera de la costa oeste de
Sumatra. (U.S.C.G.S.)

403 27 eiP* ZS 02 35 46,5
iPg ZS 35 53
i ZS 35 57
i ZS 36 04
i ES 36 08
iSn ZS 36 23
iS* ES 36 33,5
iSg NS 36 47,5
i ES 36 53,5

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|---------------------|-----|------|---|------|-------|------|-------|----|----|------|
| 403 | 27 | | (Continuación) | | | | 408 | 28 | eP | ZS | 13 | 39 | 18,5 |
| | | i | seg. micrones ES | 0.6 | 0.09 | | | | | | | | |

D=417 Kms.=3°75

36° S - 1°5 W; Ho=02-34-41; h=33 Kms
Mag. 4.4; Mar Mediterraneo.
(L.C.S.S. Madrid)

| | | | | | | | | | | | | | |
|-----|----|-----------------|-------|------|------|------|---------------|--|--|--|--|--|--|
| 404 | 27 | eP ₁ | ZS | 07 | 04 | 29 | | | | | | | |
| | | i | ZS | | 04 | 39 | | | | | | | |
| | | | | | | | compresión | | | | | | |
| | | iP ₂ | ZS | | 04 | 48,5 | | | | | | | |
| | | i | ZS | | 05 | 12,5 | | | | | | | |
| | | i | ZS | | 05 | 59 | | | | | | | |
| | | i(PKS) | ZL | | 08 | 16 | | | | | | | |
| | | ePP | ZL | | 08 | 32 | | | | | | | |
| | | i(SKS) | ZL | | 11 | 24 | | | | | | | |
| | | iSKKS | ZL | | 15 | 23 | | | | | | | |
| | | iSKSP | ZL | | 18 | 34 | | | | | | | |
| | | iPPS | ZL | | 21 | 34 | | | | | | | |
| | | i | ZL | | 23 | 12 | | | | | | | |
| | | eSS | NL,EL | | 28 | 00 | | | | | | | |
| | | iSSS | EL | | 34 | 00 | | | | | | | |
| | | Lq | NL | | 45 | 16 | | | | | | | |
| | | Lr | ZL | | 56 | 00 | | | | | | | |
| | | M | ZL | | 58 | 00 | | | | | | | |
| | | | | | | | seg. micrones | | | | | | |
| | | M | ZL | 46.0 | 11.1 | | | | | | | | |

D=18.110 Kms.=163°

60° S - 151° E; Ho=06-44-25,1;
(1.1-20); h=33 Kms.; Mag. 5.0 (CGS)
Región Islas Balleney (U.S.C.G.S.)

| | | | | | | | | | | | | | |
|-----|----|----|----|----|----|----|------------|--|--|--|--|--|--|
| 405 | 27 | iP | ZS | 12 | 15 | 57 | | | | | | | |
| | | | | | | | compresión | | | | | | |
| | | Lr | ZL | | 28 | 30 | | | | | | | |

Débil.

4° N - 31° W; Ho=12-07-53*
(1.0-15); h=33 Kms.; Mag. 4.7 SD
0.3 (CGS); Océano Atlántico Medio.
(U.S.C.G.S.)

| | | | | | | | | | | | | | |
|-----|----|-------|-------|-----|-----|----|---------------|--|--|--|--|--|--|
| 406 | 28 | ePg | ZS | 12 | 09 | 17 | | | | | | | |
| | | ei | ZS | | 09 | 34 | | | | | | | |
| | | iSn | ZS | | 09 | 42 | | | | | | | |
| | | i | ES | | 09 | 49 | | | | | | | |
| | | i(Sg) | ES,ZS | | 09 | 55 | | | | | | | |
| | | | | | | | seg. micrones | | | | | | |
| | | i(Sg) | ZS | 0,8 | 0.2 | | | | | | | | |

| | | | | | | | | | | | | | |
|-----|----|----|----|----|----|----|--|--|--|--|--|--|--|
| 407 | 28 | eP | ZS | 12 | 33 | 04 | | | | | | | |
| | | Lr | ZL | | 56 | 00 | | | | | | | |

59° N - 138° W; Ho=12-21-25,6;
(0.9-24); h=33 Kms.; Mag. 4.6 SD
0.2 (CGS); Cerca de la costa SE
de Alaska. (U.S.C.G.S.)

Trazas.

| | | | | | | | | | | | | | |
|-----|----|----|----|----|----|------|------------|--|--|--|--|--|--|
| 409 | 28 | iP | ZS | 22 | 56 | 29,5 | | | | | | | |
| | | | | | | | compresión | | | | | | |

Trazas.

| | | | | | | | | | | | | | |
|-----|----|----|----|----|----|----|--|--|--|--|--|--|--|
| 410 | 29 | Ir | ZL | 03 | 03 | 00 | | | | | | | |
|-----|----|----|----|----|----|----|--|--|--|--|--|--|--|

32°4 N - 129° E; Ho=02-11-36,6;
(0.7-15); h=33 Kms.; Mag. 4.6 SD
0.2 (CGS); Cerca de la costa Oeste
de Kyushu. Japón. (U.S.C.G.S.)

| | | | | | | | | | | | | | |
|-----|----|------|-------|------|------|------|---------------|--|--|--|--|--|--|
| 411 | 29 | iP | ZS,ZL | 04 | 25 | 53 | | | | | | | |
| | | | | | | | compresión | | | | | | |
| | | i | ZS | | 25 | 54,5 | | | | | | | |
| | | i | ZS | | 25 | 58,5 | | | | | | | |
| | | iPP | ZL,ZS | | 26 | 12 | | | | | | | |
| | | iPPP | ZS | | 26 | 25 | | | | | | | |
| | | i | ZS | | 26 | 38 | | | | | | | |
| | | iS | EL,ZL | | 29 | 44 | | | | | | | |
| | | eSS | ZL | | 30 | 14 | | | | | | | |
| | | Lr | ZL | | 30 | 30 | | | | | | | |
| | | M | ZL | | 34 | 00 | | | | | | | |
| | | | | | | | seg. micrones | | | | | | |
| | | i | ZS | 1.2 | 1.1 | | | | | | | | |
| | | M | ZL | 16.0 | 11.0 | | | | | | | | |

D=2.390 Kms.=21°5

39°3 N - 23°7 E; Ho=04-21-06,7;
(0.8-50); h=33 Kms.; Mag. 5 1/4 (Pa.)
5.1 SD 0.2 (CGS); Mar Egeo. Gran-
des daños en la Isla Skopelos.
(U.S.C.G.S.)

39°1 N - 23°8 E; Ho=04-21-07;
Epicentro microsismico según
Atenas 39°1/4 N - 23° 3/4 E. Sen-
tido VI-VII en Klina (Isla de Sko-
pelos) y en Skiathos; VI en la
Isla de Eubeé. Superficie microsís-
mica 170.000 Kms² (según Atenas)
(B.C.I.S.)

| | | | | | | | | | | | | | |
|-----|----|-----|-------|----|----|------|------------|--|--|--|--|--|--|
| 412 | 29 | iP | ZS | 17 | 04 | 47,5 | | | | | | | |
| | | | | | | | compresión | | | | | | |
| | | iPP | ZL,ZS | | 05 | 06,5 | | | | | | | |
| | | iS | ZL,EL | | 08 | 42 | | | | | | | |
| | | eSS | NL | | 09 | 05 | | | | | | | |
| | | Lr | ZL | | 10 | 00 | | | | | | | |

D=2.445 Kms.=22°

39° N - 24°3 E; Ho=17-00-02;
Réplica cerca del mar Egeo. (B.C.I.S.)

39°2 N - 23°7 E. Ho=17-00-02,9;
(0.8-29); h=32 Kms.; Mag. 4.6 SD
0.2 (CGS). Mar Egeo (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|------------|----|------|------|-------|------|---------------|-----|------|------|
| 413 | 29 | iP | ZS | 17 | 34 | 10,5 | 419 | 30 | iPg | ZS | 15 | 40 | 30,5 |
| | | | | compresión | | | | | iSn | ZS | | 41 | 02 |
| | | Lq | EL | 18 | 19 | 00 | | | iS* | NS | | 41 | 07 |
| | | Lr | ZL | | 23 | 00 | | | iSg | ZS | | 41 | 11,5 |
| | | | | | | | | | | seg. micrones | | | |
| | | | | | | | | | iSg | ZS | 0.7 | 0.11 | |

Trazas.

414 29 iP ZS 18 12 14
compresión

179° S - 72° W; Ho=17-59-39,5;
(0.6-14); h=44 Kms.; Mag. 4.5 SD
0.2 (CGS); Cerca de la costa Sur
del Perú. (U.S.C.G.S.)

415 29 iP ZS 19 34 35
dilatación
Lr ZL 20 30 00

419° N - 124° W; Ho=19-22-24*
(0.8-8); h=33 Kms.; Mag. 4.6 SD
0.4 (CGS); Fuera de la costa del
Condado Norte de California (U.S.
C.G.S.)

416 30 ePn ZS 01 04 45
iP* NS 04 51
iPg ZS 04 55
i ZS 04 59
i ZS 05 10
iSn ES 05 14,5
i NS 05 17,5
iS* HS,ES 05 24,5
iSg ES 05 34
i NS 05 36,5
i NS 05 52
seg. micrones
i NS 0.8 0.17

D=350 Kms.=3°15

37° N - 4° W; Ho=01-03-57; h=33 Kms.
Mag. 4.2. Próximo a Bobadilla (Málaga). (L.C.S.S. Madrid).

417 30 eIP ZS 04 01 33,5
Lr ZL 26 00

589° N - 139° W; Ho=03-49-57,6;
(0.7-17); h=20 Kms.; Mag. 3 3/4 - 4
(BRK) S.E. de Alaska (U.S.C.G.S.)

418 30 e ES 12 01 55
i(Sg) ES 02 15,5
i ZS 02 25,5
i ZS 02 32,5
seg. micrones
i(Sg) ES 0.8 0.04

Sismo Próximo.

D=278 Kms.=2°50

420 30 iP'' ZS 16 22 51
compresión
epP ZS 23 19
iPP ZL 25 50
ePKS ZL,ZS 26 15
ePPP ZL 28 51
i ZL 30 45
ePS EL 36 32
iPPS NL 38 31
eSS EL,NL 44 30
iSSS NL 50 12
Lq EL 17 03 00
Lr ZL 10 00
M ZL 20 00
seg. micrones
M ZL 28.0 5.0

D=15.520 Kms.=139°7

426 S - 153° E; Ho=16-03-31,4;
(0.8-31); h=78 Kms.; Mag. 5.2
(CGS); Región Nueva Irlanda. Sen-
tido en Londolovit. Rabaul.
(U.S.C.G.S.)

421 30 iP ZL 17 38 19
Lr ZL 18 07 30
M ZL 09 00
seg. micrones
M ZL 20.0 1.6

609° N - 142° W; Ho=17-26-30*
(1.2-29); h=33 Kms.; Mag. 4.9 SD
0.3 (CGS); Réplica Alaska.
(U.S.C.G.S.)

422 30 eP ZS 18 16 30

Enmascarado por el anterior.

409° N - 22° E; Ho=18-11-43;
h=120 Kms.; Mar Egeo. (B.S.I.S.)

Instituto Geográfico y Catastral

OBSERVATORIO CENTRAL GEOFISICO
 "ALFONSO REY PASTOR"
 TOLEDO

MOVIMIENTO MICROSISMICO

Mes de Abril de 1964.

N - S

E - W

| Día | N - S | | | | | | | | Car | E - W | | | | | | | | Car |
|-----|-------|----|----|----|-----|----|-------|----|-----|-------|----|----|----|-----|----|-------|----|-----|
| | 0 | | VI | | XII | | XVIII | | | 0 | | VI | | XII | | XVIII | | |
| | T | A | T | A | T | A | T | A | | T | A | T | A | T | A | T | A | |
| 1 | 45 | 74 | 50 | 12 | 50 | 12 | 50 | 13 | 2 | 50 | 06 | 40 | 08 | 50 | 09 | 50 | 07 | 2 |
| 2 | 50 | 08 | .. | .. | 45 | 09 | 40 | 12 | 2 | 50 | 06 | .. | .. | 40 | 08 | 45 | 07 | 2 |
| 3 | 40 | 10 | 40 | 11 | 50 | 09 | 40 | 10 | 2 | 50 | 09 | 40 | 10 | 50 | 09 | 40 | 09 | 2 |
| 4 | 40 | 08 | 40 | 10 | 40 | 09 | 35 | 11 | 2 | 40 | 06 | 35 | 06 | 40 | 07 | 45 | 08 | 2 |
| 5 | 45 | 09 | 50 | 09 | 45 | 08 | 45 | 09 | 2 | 40 | 08 | 40 | 07 | 40 | 07 | 40 | 06 | 2 |
| 6 | 40 | 08 | 40 | 10 | 40 | 06 | 40 | 05 | 2 | 40 | 06 | 40 | 04 | 40 | 04 | 40 | 04 | 2 |
| 7 | 40 | 05 | 35 | 06 | 40 | 06 | 30 | 07 | 3 | 60 | 03 | 40 | 04 | 35 | 05 | 35 | 05 | 3 |
| 8 | 35 | 07 | 39 | 05 | .. | .. | 40 | 05 | 3 | 30 | 05 | 40 | 04 | .. | .. | 35 | 05 | 3 |
| 9 | 40 | 05 | 40 | 05 | 45 | 05 | 35 | 06 | 3 | 35 | 04 | 40 | 04 | 35 | 05 | 40 | 04 | 3 |
| 10 | 40 | 05 | 40 | 06 | 50 | 06 | 50 | 08 | 2 | 40 | 04 | 40 | 05 | 40 | 06 | 40 | 04 | 2 |
| 11 | 40 | 08 | 40 | 05 | 40 | 05 | 40 | 05 | 2 | 40 | 07 | 40 | 07 | 40 | 04 | 40 | 07 | 2 |
| 12 | 45 | 05 | 40 | 05 | 50 | 04 | 45 | 04 | 3 | 40 | 05 | 45 | 04 | 45 | 04 | 40 | 04 | 3 |
| 13 | 40 | 05 | 40 | 05 | 40 | 06 | 40 | 05 | 3 | 40 | 04 | 50 | 04 | 45 | 04 | 45 | 05 | 3 |
| 14 | 50 | 05 | 50 | 05 | 50 | 05 | 50 | 07 | 2 | 50 | 04 | 50 | 04 | 50 | 04 | 55 | 06 | 2 |
| 15 | 60 | 10 | 60 | 11 | 60 | 14 | 55 | 14 | 2 | 60 | 08 | 50 | 08 | 55 | 09 | 50 | 06 | 2 |
| 16 | 50 | 12 | 60 | 08 | 50 | 07 | 60 | 11 | 2 | 50 | 06 | 50 | 06 | 60 | 06 | 50 | 09 | 2 |
| 17 | 50 | 12 | .. | .. | 50 | 08 | 45 | 10 | 2 | 50 | 08 | .. | .. | 40 | 09 | 40 | 09 | 2 |
| 18 | 50 | 11 | 45 | 09 | 40 | 10 | 40 | 11 | 3 | 50 | 09 | 45 | 07 | 40 | 09 | 40 | 09 | 3 |
| 19 | 40 | 11 | 40 | 12 | 40 | 09 | 45 | 08 | 2 | 40 | 06 | 40 | 07 | 40 | 09 | 40 | 07 | 2 |
| 20 | 50 | 07 | .. | .. | 50 | 08 | 50 | 09 | 3 | 45 | 07 | 50 | 06 | 50 | 06 | 45 | 07 | 3 |
| 21 | 50 | 12 | 50 | 09 | 50 | 09 | 50 | 11 | 2 | 50 | 07 | 50 | 06 | 50 | 09 | 50 | 07 | 2 |
| 22 | 50 | 12 | 50 | 08 | 50 | 05 | 50 | 07 | 2 | 50 | 06 | 50 | 07 | 50 | 04 | 50 | 04 | 2 |
| 23 | 45 | 06 | .. | .. | 50 | 07 | 50 | 07 | 2 | 50 | 06 | .. | .. | 50 | 04 | 50 | 06 | 2 |
| 24 | 50 | 05 | 50 | 05 | 40 | 05 | 45 | 05 | 2 | 50 | 04 | 50 | 04 | 40 | 04 | 45 | 04 | 2 |
| 25 | 45 | 06 | 50 | 05 | 50 | 05 | 50 | 05 | 2 | 45 | 05 | 40 | 04 | 50 | 04 | 50 | 06 | 2 |
| 26 | 50 | 05 | 50 | 07 | 50 | 08 | 55 | 07 | 2 | 50 | 04 | 50 | 06 | 50 | 04 | 50 | 04 | 2 |
| 27 | 50 | 05 | 50 | 05 | 45 | 05 | 40 | 06 | 2 | 50 | 04 | 50 | 05 | 45 | 03 | 50 | 04 | 2 |
| 28 | 40 | 05 | 40 | 05 | 40 | 04 | 45 | 02 | 3 | 50 | 03 | 45 | 04 | 40 | 04 | 45 | 03 | 3 |
| 29 | 45 | 05 | 40 | 08 | 40 | 05 | 45 | 06 | 3 | 40 | 04 | 40 | 04 | 45 | 05 | 50 | 04 | 3 |
| 30 | 50 | 04 | 45 | 06 | 40 | 05 | 35 | 06 | 3 | 40 | 04 | 45 | 05 | 40 | 03 | 40 | 04 | 3 |

Los números de las columnas T representan décimas de segundo,
 y los números de las columnas A décimas de micron.

G. Payo
Director.

Ana G. Menor.

Instituto Geográfico y Catastral

 OBSERVATORIO CENTRAL GEOFISICO
 "ALFONSO REY PASTOR"
 DE TOLEDO (ESPAÑA)

Naturaleza del terreno: Mioceno Superior

Coordenada de la Estación:

L = 39°52'53"

M = 04°02'55"

Z = 480,46 m

MES DE MAYO DE 1964.

CONSTANTES DE LOS SISMOGRAFOS:

| Aparato | Masa Kg | Periodo T_0 | Rozamiento $\frac{r}{T_0^2}$ | Amplitud V | Amortgto θ |
|-------------|------------|------------------|---------------------------------|---------------|----------------------|
| Wiechert ZT | 1200 | 3.96 | 0.155 | 1.830 | 7.8 |
| " ET | 1000 | 10.6 | 0.048 | 900 | - |
| " NT | 1000 | 11.0 | 0.047 | 780 | 6.5 |
| " EX | 800 | 8.6 | 0.014 | 344 | 6.9 |
| " NX | 800 | 7.6 | 0.053 | 485 | 5.2 |

| Aparato | Periodo péndulo T | Periodo Galv. T_1 | Amortgto μ^2 | Amplitud máxima A_m |
|-----------------|-------------------------|---------------------------|---------------------|--------------------------|
| Sprengnether ZG | 1.70 | 1.70 | 0.38 | - |
| " EG | 14.3 | 14.3 | 0.30 | 1.780 |
| " NG | 13.0 | 13.0 | -0.31 | 1.735 |

Equipos Standard.

 1ª.- Sprengnether (Standard) de periodo largo, ($T_p=30$ s. $T_g=100$ s.)
 Sus componentes serán designadas por ZL,EL,NL.

 2ª.- Beniof (Standard) de periodo corto ($T_p=1.0$ s. $T_g=0,75$ s.)
 Sus componentes serán designadas por ZS,ES,NS.

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|------|-------|----|----|-------|--|-------|------|-------|----|----|------|
| 423 | 1 | iP | ZS | 00 | 29 | 30,5 | 424 | 1 | | | | | |
| | | Lr | ZL | | | 58 00 | | | | | | | |
| 56°6 N - 151°5 W; Ho=00-17-22* (0.8-13); h=30 Kms.; Mag. 4.5 SD 0.2 (CGS); Ensenada del Principe Guillermo, Réplica Alaska. (U.S.C.G.S.) | | | | | | | | | | | | | |
| | | | | | | | 425 | 1 | iP | ZS | 03 | 52 | 11,5 |
| | | | | | | | | | Lr | ZL | 04 | 15 | 00 |
| | | | | | | | 59°7 N - 144°1 W; Ho=03-40-36,2; (0.7-18); h=20 Kms.; Mag. 4.4 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 424 | 1 | iP | ZS | 03 | 25 | 06,5 | | | | | | | |
| | | i | ZS | | | 25 19 | | | | | | | |
| | | Lr | ZL | | | 52 00 | | | | | | | |

 57°4 N - 150° W; Ho=03-13-03,5;
 (0.7-23); h=30 Kms.; Mag. 5.3 SD
 04. (Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|---------------|-----|------|
| 426 | 1 | iP | ZS | 06 | 13 | 38,5 |
| | | | | compresión | | |
| | | i | ZS | 13 | 44 | |
| | | iPP | ZS | 16 | 26 | |
| | | iS | NL | 23 | 24 | |
| | | iSSS | NG | 30 | 30 | |
| | | Lq | EL | 34 | 00 | |
| | | Lr | ZL | 39 | 00 | |
| | | M | ZL | 48 | 00 | |
| | | | | seg. micrones | | |
| | | M | ZL | 20.0 | 2.0 | |

D=8.580 Kms.=77°2

60°5 N - 145°6 W; Ho=06-01-55,4;
(0.9-41); h=20 Kms.; Mag. 5.4 SD
0.3 (CGS); Ensenada del Principe
Guillermo. Réplica Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|------------|----|----|
| 427 | 1 | iP | ZS | 07 | 20 | 17 |
| | | | | dilatación | | |

57°5 N - 150°6 W; Ho=07-08-12*
(1.1-13) h=20 Kms.; Mag. 4.5 SD 0.5
(CGS); Ensenada del Principe Gui-
llermo. Réplica Alaska. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|------------|----|------|
| 428 | 1 | iP | ZS | 07 | 56 | 35,5 |
| | | | | compresión | | |
| | | Lr | ZL | 08 | 25 | 00 |

59°7 N - 147°1 W; Ho=07-44-44,9;
(0.6-21); h=35 Kms.; Mag. 4.8 SD
0.2 (CGS); Réplica Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 429 | 1 | LR | ZL | 14 | 43 | 00 |
|-----|---|----|----|----|----|----|

Trazas.

| | | | | | | |
|-----|---|----|----|----|----|----|
| 430 | 2 | Lr | ZL | 01 | 10 | 00 |
|-----|---|----|----|----|----|----|

32°3 S - 179°5 W; Ho=23-47-35,3;
(0.7-10); h=33 Kms.; Mag. 4.8;
Islas Kermadec. (U.S.C.G.S.)

| | | | | | | |
|-----|---|------|----|------------|----|----|
| 431 | 2 | iP | ZS | 16 | 24 | 08 |
| | | | | compresión | | |
| | | i | ZS | 24 | 13 | |
| | | i | ZS | 25 | 10 | |
| | | iPP | ZL | 27 | 56 | |
| | | iPPP | ZL | 30 | 00 | |
| | | iPa | ZL | 31 | 39 | |
| | | iSKS | NL | 34 | 40 | |
| | | iS | NL | 34 | 56 | |
| | | iPS | ZL | 36 | 40 | |
| | | iSS | NL | 41 | 00 | |
| | | iSSS | NL | 45 | 20 | |
| | | Lq | EL | 47 | 40 | |
| | | iSa | ZL | 48 | 25 | |
| | | Lr | ZL | 53 | 00 | |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|----------|----------------|------|----|
| 431 | 2 | | | (continuación) | | |
| | | H | Modes NG | 16 | 53 | 06 |
| | | Li | EG | | 54 | 50 |
| | | Lg | NG | 17 | 00 | 30 |
| | | M | ZL | | 10 | 00 |
| | | | | seg. micrones | | |
| | | M | ZL | 18.0 | 26.6 | |

D=10.000 Kms.=90°

45°5 N - 150°3 W; Ho=16-11-00,2;
(1.0-48); h=35 Kms.; Mag. 5.7 SD
0.4 (CGS); Islas Kuriles.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|----|----|----|----|
| 432 | 2 | eiP | ZS | 17 | 20 | 45 |
|-----|---|-----|----|----|----|----|

Enmascarado por el anterior

59°7 N - 147° W; Ho=17-08-57,6;
(0.6-21); h=30 Kms.; Mag. 4.8 SD
0.4 (CGS); Réplica Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|----|---------------|------|------|
| 433 | 3 | i | ZS | 04 | 50 | 56 |
| | | i | ZS | | 51 | 40 |
| | | iSg | NS | | 51 | 25,5 |
| | | | | seg. micrones | | |
| | | iSg | NS | 0.6 | 0.02 | |

Débil.

| | | | | | | |
|-----|---|----|----|------------|----|----|
| 434 | 3 | iP | ZS | 07 | 45 | 40 |
| | | | | Dilatación | | |

56°5 N - 154°8 W; Ho=07-32-56,3;
(0.7-20); h=30 Kms.; Mag. 4.4 SD
0.4 (CGS); Ensenada del Principe
Guillermo. Réplica Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 435 | 3 | Lr | ZL | 15 | 07 | 00 |
|-----|---|----|----|----|----|----|

Trazas.

| | | | | | | |
|-----|---|-------|----|---------------|------|----|
| 436 | 3 | e(Pg) | ZS | 23 | 30 | 59 |
| | | e | NS | | 31 | 07 |
| | | eSn | NS | | 31 | 21 |
| | | eSg | NS | | 31 | 33 |
| | | | | seg. micrones | | |
| | | eSg | NS | 0.6 | 0.16 | |

37°5 N - 2°1 W; Ho=23-30-02;
h=33 Kms.; Mag. 4.2. Próximo a
Albox (Almeria). (L.C.S.S.Madrid)

| | | | | | | |
|-----|---|-----|----|------------|----|------|
| 437 | 4 | iP | ZS | 12 | 16 | 48 |
| | | | | Dilatación | | |
| | | i | ZS | | 17 | 01,5 |
| | | iLr | ZL | | 47 | 00 |

58°2 N - 152°3 W; Ho=12-04-46,1;
(0.6-21); h=30 Kms.; Mag. 5.3 SD
0.4 (CGS); Ensenada del Principe
(Continúa)

Núm. Fecha Fase Comp. H M S
437 4 (Continuación)

Guillermo. Réplica Alaska. (U.S.C.G.S.)

438 4 i ZS 15 04 58
compresión
iSg NS 05 03
seg. micrones
iSg NS 0.8 0.09

Explosión próxima.

439 4 eS EL 17 30 06
eSS EL 36 36
Lr ZL 44 00
M ZL 55 00
seg. micrones
M ZL 24.0 1.66

55°8 S - 4°4 W; Ho=17-05-20*
(1.5-10); h=33 Kms.; Mag. 5.4 (CGS)
Región Islas Bouvet. (U.S.C.G.S.)

440 4 Lr ZL 22 40 00

Trazas.

441 5 eP ZS 02 16 21
i ZL 16 27,5

57°4 N - 149°5 W; Ho=02-04-18*
(0.5-11); h=33 Kms.; Mag. 4.4 SD
0.4 (CGS); Ensenada del Principe Gui-
llermo. Réplica Alaska. (U.S.C.G.S.)

442 5 iP ZS 03 39 35
dilatación

17°7 S - 68°9 W; Ho=03-26-46,1;
(1.0-11); h=33 Kms.; Mag. 4.9 SD
0.2 (CGS); Oeste de Bolivia.
(U.S.C.G.S.)

443 5 eP ZS 08 14 54,5
eS EL 26 16
Lq EL 45 00
Lr ZL 50 00

45°5 N - 150°1 E; Ho=08-01-48,4;
(0.7-26); h=40 Kms.; Mag. 4.9 SD
0.4 (CGS); Islas Kuriles (U.S.C.G.S.)

444 5 iP" ZS 09 04 34,5
Dilatación
Lr ZL 55 00

3° S - 156°6 E; Ho=08-44-59,1;
(1.3-12); h=33 Kms.; Mag. 5.1
(CGS); Islas Salomón. (U.S.C.G.S.)

445 5 Lr ZL 11 52 00
M ZL 12 03 00
(Continúa)

Núm. Fecha Fase Comp. H M S
445 5 (Continuación)

seg. micrones
M ZL 20.0 1.33

55°8 S - 4°3 W; Ho=11-12-52*;
(0.6-7); h=33 Kms.; Región Islas
Bouvet. (U.S.C.G.S.)

446 6 Lr ZL 05 09 00

Trazas.

447 6 iP" ZS 08 30 32
Dilatación
iP' ZS 30 36,5
ePKS ZS 34 03,5
ePP ZL 34 40
eSS EL 53 24
iL ZL 09 00 00

11°1 S - 162°2 E; Ho=08-10-47,5
(0.7-18); h=40 Kms.; Mag. 5.1
(CGS); Islas Salomón. (U.S.C.G.S.)

448 6 iP ZS 15 38 48
Dilatación

i ZS 38 52,5
ePP ZL 41 59,5
ePa ZL 45 13
iS EL,NL 48 57
ePS ZL 50 22
eSS NL 54 12
eSSS NL 58 00
H Modes ZL 16 00 30
Lq ZL 04 00
Lr ZL 05 00
M EL 14 00
seg. micrones
M EL 20.0 5.33

D=9.090 Kms.=81°8

56°7 N - 152°1 W; Ho=15-26-35,5;
(0.5-25); h=15 Kms.; Mag. 5.4 SD 0.3
(CGS); Ensenada del Principe Gui-
llermo. Réplica Alaska. (U.S.C.G.S.)

449 6 Lr ZL 22 04 00

45°5 N - 151°6 E; Ho=20-45-14,0
(0.7-21); h=40 Kms.; Mag. 4.9 SD
0.5 (CGS); Islas Kuriles (U.S.C.
G.S.)

450 7 eP ZS 00 27 35,5

60°1 N - 147° W; Ho=00-15-48,9;
(0.8-15); h=33 Kms.; Mag. 4.2
(CGS); Réplica Alaska. (U.S.C.G.S.)

451 7 iP' ZS 00 54 11,5
compresión
iP' ZS 54 51,5
(Continúa)

Núm. Fecha Fase Comp. H M S
 451 7 (Continuación)
 18°2 S - 176°6 W; Ho=00-34-57,2;
 (0.7-31); h=300 Kms.; Mag. 5.4 SD
 0.2 (CGS); Región Islas Fidji.
 (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|--------|---------------|------------|------|----|
| 452 | 7 | iP | ZS | 05 | 55 | 12 |
| | | | | Dilatación | | |
| | | !(ipP) | ZL | | 55 | 28 |
| | | iPcP | ZL | | 56 | 06 |
| | | iPP | ZL | | 57 | 30 |
| | | i | ZL | | 58 | 32 |
| | | iPPP | ZL | | 58 | 55 |
| | | i | ZL | 06 | 00 | 55 |
| | | iS | EL | | 02 | 55 |
| | | iSS | NL | | 06 | 40 |
| | | iSSS | ZL | | 07 | 28 |
| | | Lq | EL | | 09 | 30 |
| | | iSa | EL,NG | | 09 | 44 |
| | | Lr | ZL | | 12 | 30 |
| | | Li | NG | | 12 | 58 |
| | | Lg1 | NG | | 14 | 54 |
| | | Lg2 | EG | | 16 | 00 |
| | | Rg | EG | | 18 | 58 |
| | | M | ZL | | 22 | 00 |
| | | eP'P' | ZS | | 25 | 22 |
| | | | seg. micrones | | | |
| | | M | ZL | 17.0 | 14.0 | |

D=6.200 Kms.=55°8

Sismo notable para el estudio de fases superficiales de corto periodo. Tiene tambien un notable tren de S en EL.

3°9 S - 34°9 E; Ho=05-45-30; Mag.
 6.6 (Pr) 6.3 (Pn), 6.8 Upp. Tanganika.
 Importantes daños. Un muerto
 varios heridos y sentido en Tanganika
 y Kenia hasta Nairobi. (B.C.I.S.)

4° S - 34°9 E; Ho=05-45-29,5;(1.0-63)
 h=33 Kms.; Mag. 6 1/4 - 6 1/2 (Pal)
 0.4 SD 0.4 (CGS); Tanganika. Un
 muerto en Babati, 19 heridos en
 Mbulu. Grandes daños. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|------------|----|------|
| 453 | 7 | iP | ZS | 08 | 11 | 27,5 |
| | | | | compresión | | |
| | | iPP | ZL | | 15 | 13 |
| | | iPPP | ZL | | 17 | 24 |
| | | iPa | ZL | | 19 | 47 |
| | | iSKS | NL | | 22 | 06 |
| | | iS | EL | | 22 | 40 |
| | | iPS | ZL | | 23 | 53 |
| | | iSS | NL,EL | | 28 | 50 |
| | | iSSS | NL | | 32 | 48 |
| | | iSa | EL | | 35 | 40 |
| | | Lq | NL | | 36 | 30 |
| | | Lr | ZL | | 42 | 24 |
| | | M | ZL | | 52 | 00 |

(Continúa)

Núm. Fecha Fase Comp. H M S
 453 7 (Continuación)
 seg. micrones
 M ZL 12.0 133,33

D=10.665 Kms.=96°

40°4 N - 139° E; Ho=07-58-14,3;
 (0.7-92); h=33 Kms.; Mag. 7 (Pas)
 7 (Brk) 6 1/2 - 6 3/4 (Pal);
 6.2 SD 0.4 (CGS); Fuera de la cos-
 ta N. de Honshu. Japón. Sentido
 al N. de Honshu y Hokkaido.
 (U.S.C.G.S.)

454 7 iP ZS 11 24 06
 compresión

Trazas.

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|---------------|------------|-------|------|
| 455 | 7 | iP | ZS | 20 | 26 | 02,5 |
| | | | | compresión | | |
| | | i | ZS | | 26 | 10,5 |
| | | iPP | ZL | | 29 | 48 |
| | | iPPP | ZL | | 31 | 52 |
| | | iSKS | EL | | 36 | 41 |
| | | iS | EL | | 37 | 11 |
| | | iPS | ZL | | 38 | 29 |
| | | i | EL | | 41 | 06 |
| | | iSS | EL | | 43 | 15 |
| | | iSSS | NL | | 46 | 48 |
| | | iSa | EL | | 50 | 09 |
| | | Lq | EL | | 51 | 30 |
| | | Lr | ZL | | 56 | 40 |
| | | M | ZL | 21 | 07 | 00 |
| | | Li | EG | | 28 | 34 |
| | | Lg1 | EG,NG | | 31 | 22 |
| | | | seg. micrones | | | |
| | | M | ZL | 25.0 | 26.66 | |

D=10.555 Kms.=95°

Casi todas las ondas constituyen un tren dispersivo muy claro y que en las SSS en el NLP es negativo.

40°5 N - 139° E; Ho=20-12-49,3;
 (0.6-27); h=33 Kms.; Mag. 5.9 SD
 0.3 (CGS); Fuera de la costa W de
 Honshu. Japón. Algunos daños en
 la provincia de Akita. (U.S.C.G.S.)

456 8 Lr ZL 00 45 00

32°9 S - 178°3 W; Ho=23-12-21,3;
 (1.6-11); h=33 Kms.; Mag. 4.4 (CGS)
 Islas Kermadec. (U.S.C.G.S.)

457 8 Lr ZL 05 10 00

32°8 S - 178°4 W; Ho=04-10-31,9;
 (1.6-6); h=33 Kms.; Mag. 4.0 (CGS)
 Islas Kermadec. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 458 | 8 | iP | ZS | 09 | 35 | 23 |
| | | eSS | ZL | 10 | 10 | 00 |

59°4 N - 145°4 W; Ho=09-23-33,1;
(0.4-11); h=20 Kms.; Mag. 4.5 SD
0.3 (CGS); Ensenada del Principe
Guillermo. Réplica Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|----|---------------|------|------|----|
| 459 | 8 | Lr | ZL | 16 | 20 | 00 |
| | | M | ZL | | 21 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 16.0 | 1.42 | |

Trazas.

| | | | | | | |
|-----|---|-----|---------------|------|------|------------|
| 460 | 8 | iP | ZS | 21 | 46 | 18 |
| | | | | | | Dilatación |
| | | eS | NL | | 55 | 56 |
| | | eSS | NL | 22 | 00 | 40 |
| | | Lr | ZL | | 10 | 00 |
| | | M | ZL | | 21 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 16.0 | 1.42 | |

50°8 N - 143°6 W; Ho=21-34-40,6;
(0.4-17); h=35 Kms.; Mag. 5.4 SD
0.3 (CGS); Ensenada del Principe
Guillermo. Réplica Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|------|---------------|------|------|----|
| 461 | 8 | eiP | ZS | 23 | 53 | 32 |
| | | i | ZS | | 54 | 55 |
| | | ePP | ZL | | 57 | 06 |
| | | ePa | ZL | 00 | 01 | 42 |
| | | iS | NL | | 04 | 18 |
| | | ePS | ZL | | 05 | 34 |
| | | iSS | NL | | 09 | 58 |
| | | iSSS | NL | | 14 | 16 |
| | | Lq | EL | | 16 | 50 |
| | | Lr | ZL | | 24 | 00 |
| | | M | ZL | | 31 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 20.0 | 3.66 | |

D=9.945 Kms.=89°5

52°2 N - 169°5 W; Ho=23-40-44,1;
(0.8-13); h=20 Kms.; Mag. 5.2 SD
0.3 (CGS); Islas Andreanof. Aleu-
tianas. (U.S.C.G.S.)

| | | | | | | |
|-----|---|------|---------------|------|------|------------|
| 462 | 9 | iP | ZS | 02 | 15 | 16,5 |
| | | | | | | dilatación |
| | | eS | NL | | 26 | 06 |
| | | eSS | NL | | 32 | 28 |
| | | eSSS | NL | | 36 | 02 |
| | | Lq | EL | | 40 | 00 |
| | | Lr | ZL | | 42 | 50 |
| | | M | ZL | | 50 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 20.0 | 1.42 | |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|---|---|----------------|
| 462 | 9 | | | | | (Continuación) |

D=10.055 Kms.; =90°5

52°2 N - 169°6 W; Ho=02-02-28,8;
(0.8-53); h=25 Kms.; Mag. 5.1 SD
0.4 (CGS); Islas Andreanof. Aleu-
tianas. (U.S.C.G.S.)

| | | | | | | |
|-----|---|--------|---------------|-----|------|------|
| 463 | 9 | ei(Pn) | NS,ZS | 04 | 46 | 27,5 |
| | | e | NS | | 47 | 11 |
| | | eS* | NS | | 47 | 30,5 |
| | | iSg | NS | | 47 | 39,5 |
| | | | seg. micrones | | | |
| | | iSg | NS | 0.7 | 0.04 | |

Débil.

| | | | | | | |
|-----|---|-----------------|---------------|-----|------|----|
| 464 | 9 | eP* | ZS | 05 | 19 | 48 |
| | | iP _g | ZS | | 20 | 02 |
| | | i | ES | | 20 | 30 |
| | | iSg | NS | | 20 | 34 |
| | | i | NS | | 20 | 40 |
| | | | seg. micrones | | | |
| | | i | NS | 0.5 | 0.14 | |

D=323 Kms.=29°0

38°2 N - 1° W; Ho=05-19-01; h=33
Kms.; Mag. 4.3; Sentido en Calles
de Segura (L.C.S.S. Madrid).

| | | | | | | |
|-----|---|------------------|----|----|----|------|
| 465 | 9 | eP ₁ | ZS | 18 | 36 | 04,5 |
| | | ipP ₁ | ZS | | 36 | 11,5 |
| | | i | ZS | | 36 | 16 |
| | | iP ₂ | ZS | | 36 | 23 |
| | | ipP ₂ | ZS | | 36 | 34 |
| | | Lr ₂ | ZL | 19 | 34 | 00 |

13°7 S - 166°6 E; Ho=18-16-17,5;
(0.9-27); h=41 Kms.; Mag. 5.0 SD
0.5 (CGS); Islas Nuevas Hébridias.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|------|
| 466 | 9 | iP | ZS | 20 | 19 | 13 |
| | | e | ZS | | 19 | 26,5 |

5°8 S - 81°3 W; Ho=20-06-38*;
(0.4-17); h=104 Kms.; Mag. 4.4 SD
0.2 (CGS); Cerca de la costa N.
del Perú (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|------------|
| 467 | 9 | iP | ZS | 21 | 18 | 06 |
| | | | | | | compresión |

61°7 N - 152° W; Ho=21-06-12,2;
(0.5-10); h=25 Kms.; Mag. 5.0 SD
0.3 (CGS); Ensenada del Principe
Guillermo. Réplica de Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|-----------------|----|----|----|------------|
| 468 | 9 | iP ₁ | ZS | 21 | 27 | 17 |
| | | | | | | Dilatación |
| | | iP ₂ | ZS | | 27 | 27,5 |

(Continúa)

| Núm. | Fecha | Fase | Comp | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|------|-------------------------|----|----|------|---|-------|------|-------|----|----|------|
| 468 | 9 | | (Continuación) Lr ZL | 22 | 20 | 00 | 476 | 12 | iP | ZS | 11 | 59 | 21 |
| 902 S - 15607 E; Ho=21-07-41,6; (1.2-21); h=26 Kms.; Mag. 5.4 SD 0.2 (CGS); Región Islas Salomón. (U.S.C.G.S.) | | | | | | | i ZS 59 25 Lr ZL 12 30 00 | | | | | | |
| 469 | 10 | Lr | ZL | 06 | 40 | 00 | 6001 N - 1470 W; Ho=11-47-32,2; (0.7-38); h=15 Kms.; Mag. 4.7 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 290 N - 14105 E; Ho=05-39-42,6; (0.6-45); h=62 Kms.; Mag. 4 3/4 - 5 (BRK); 5.3 SD 0.3 (CGS); Región Is- las Bonin (U.S.C.G.S.) | | | | | | | 477 | 12 | iP | ZS | 17 | 07 | 33 |
| 470 | 11 | iP | ZS | 02 | 28 | 36,5 | Lr | ZL | | | 35 | 00 | |
| 6008 N - 14202 W; Ho=02-17-01,5 (0.8-23); h=33 Kms.; Mag. 4.7 SD 0.3 (CGS); S.E. de Alaska. (U.S.C.G.S.) | | | | | | | 5905 N - 14408 W; Ho=16-55-46,9; (0.9-24); h=33 Kms.; Mag. 4.9 SD 0.4 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 471 | 11 | iP | ZS | 06 | 16 | 41,5 | 478 | 12 | iP | ZS | 18 | 28 | 54,5 |
| 2803 N - 5704 E; Ho=06-07-41,5; (0.5-28); h=62 Kms.; Mag. 4.9 (CGS) Sur del Irán. (U.S.C.G.S.) | | | | | | | dilatación i ZS 28 59 i(PcP) ZS 29 21 iPP ZL 31 56 ePPP ZL 33 49 iPa ZL 35 10 iS EL 39 04 iPS ZL 39 59 i NL 42 00 iSS NL 44 10 iSSS NL 48 27 Lq EL 50 00 iSa EL 50 53 Lr ZL 55 00 M ZL 19 04 00 seg. micrones M ZL 20.0 14.65 | | | | | | |
| 472 | 11 | Lr | ZL | 16 | 03 | 00 | D=9.090 Kms.=8108 | | | | | | |
| 20 S - 14102 E; Ho=15-20-48*. (1.5-8); h=33 Kms.; Mag. 5.7 (CGS) Cerca y al Norte de la costa Oeste de Nueva Guinea. (U.S.C.G.S.) | | | | | | | 5606 N - 15204 W; Ho=18-16-41,9; (1.1-81); h=10 Kms.; Mag. 5 1/2 - 5 3/4 (BRK); 6 - 6 1/4 (Pal); 5.3 SD 0.3 (CGS); Réplica Alaska (U.S.C.G.S.) | | | | | | |
| 473 | 11 | Lr | ZL | 20 | 50 | 00 | 479 | 13 | eiP | ZS | 18 | 34 | 34,5 |
| 6003 N - 14601 W; Ho=20-10-36* (0.4-10); h=33 Kms.; Mag. 4.0 (CGS) Réplica Alaska (U.S.C.G.S.) | | | | | | | Trazas. | | | | | | |
| 474 | 12 | iPg | ZS | 01 | 57 | 30,5 | 480 | 13 | eP | ZS | 23 | 54 | 07 |
| Dilatación i ZS 57 35 i ES 57 46 i(Sn) ZS 58 03 iSg ZS 58 08,5 i ES 58 12 seg. micrones i ES 0.7 0.06 | | | | | | | 5905 N - 14301 W; Ho=23-42-23; (0.8-15); h=25 Kms.; Mag. 4.5 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| Débil. | | | | | | | 481 | 13 | eP" | ZS | 00 | 27 | 17 |
| 475 | 12 | Lr | ZL | 02 | 02 | 00 | Lr | ZL | | | 01 | 22 | 00 |
| 2602 S - 17803 E; Ho=01-37-59,5; (0.5-15); h=607 Kms.; Mag. 4.6 SD 0.2 (CGS); Región Islas Fidji. (U.S.C.G.S.) | | | | | | | 1408 S - 17607 W; Ho=00-07-01,8; (1.9-14); h=33 Kms.; Mag. 4.7 (CGS) Región Islas Samoa. (U.S.C.G.S.) | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|-----------------|-------|---------------|-------|------|------------|-------|-----------------|-------|------|------|------|
| 482 | 13 | iP ₁ | ZL | 05 | 45 | 40 | 485 | 13 | (Continuación) | | | | |
| | | | | Dilatación | | | | | eSg | NS | 17 | 34 | 30,5 |
| | | iP ₂ | ZL,ZS | 47 | 28 | | | | seg. micrones | | | | |
| | | i | ZL | 48 | 28 | | | iSn | ES | 0.6 | 0.37 | | |
| | | iPKS | ZL | 49 | 32 | | | | | | | | |
| | | iPP | ZL | 51 | 04 | | | | | | | | |
| | | iPoPPKP | ZL,ZS | 54 | 32 | | | | | | | | |
| | | iSKKS | EL | 57 | 38 | | | | | | | | |
| | | iSKSP | EL | 06 | 02 | 14 | | | | | | | |
| | | iPPS | ZL | 04 | 55 | | | | | | | | |
| | | iSS | ZL | 12 | 00 | | | | | | | | |
| | | i | EL | 14 | 13 | | | | | | | | |
| | | iSSS | EL | 18 | 33 | | | | | | | | |
| | | M | ZL | 58 | 00 | | | | | | | | |
| | | | | seg. micrones | | | | | | | | | |
| | | M | ZL | 20.0 | 17.66 | | | | | | | | |
| D=19.290 Kms.=173°6 | | | | | | | | | | | | | |
| 32°8 S - 178°3 W; Ho=05-25-26,1; (1.2-43); h=33 Kms.; Mag. 5.3 SD 0.2 (CGS); Región Islas Kermadec. (U.S.C.G.S.) | | | | | | | | | | | | | |
| 483 | 13 | iPn | ZS | 13 | 47 | 31 | 486 | 13 | ei | ZS | 20 | 58 | 29,5 |
| | | | | Dilatación | | | | | iP ₂ | ZS | 59 | 20 | |
| | | i | ZS | 47 | 41,5 | | | | Lr | ZL | 22 | 00 | 00 |
| | | iPg | ZS | 47 | 46,5 | | | | | | | | |
| | | i | NS | 47 | 50 | | | | | | | | |
| | | i | ES | 48 | 09 | | | | | | | | |
| | | iSn | NS | 48 | 15,5 | | | | | | | | |
| | | iS* | ES | 48 | 31 | | | | | | | | |
| | | i(S*) | ZS | 48 | 34,5 | | | | | | | | |
| | | iSg | NS | 48 | 41,5 | | | | | | | | |
| | | M | ZL | 49 | 20 | | | | | | | | |
| | | | | seg. micrones | | | | | | | | | |
| | | iSg | NS | 0.6 | 0.37 | | | | | | | | |
| | | M | ZL | 9.0 | 2.87 | | | | | | | | |
| D=456 Kms.=4°10 | | | | | | | | | | | | | |
| 35°4 N - 1°9 W; Ho=13-46-22; Mar Mediterraneo. Al O de la costa argonesa. Sentido en Lourmel (Argelia). (B.C.I.S.) | | | | | | | | | | | | | |
| 35°8 N - 1°7 W; Ho=13-46-21; h=33 Kms.; Mag. 4.7; Mar Mediterraneo. Sentido en Lourmel. (Argelia). (L.C.S.S. Madrid) | | | | | | | | | | | | | |
| 484 | 13 | iP | ZS | 17 | 11 | 37,5 | 487 | 14 | Lr | ZL | 02 | 39 | 00 |
| | | Lr | ZL | 18 | 05 | 00 | | | | | | | |
| Trazas. | | | | | | | | | | | | | |
| 485 | 13 | iPn | ZS | 17 | 33 | 29,5 | 488 | 14 | eiP" | ZS | 02 | 49 | 57 |
| | | | | Dilatación | | | | | Lr | ZL | 03 | 45 | 00 |
| | | iP* | ZS | 33 | 36 | | | | | | | | |
| | | iPg | NS | 33 | 42 | | | | | | | | |
| | | iSn | ES | 34 | 13 | | | | | | | | |
| | | iS* | ZS | 34 | 24,5 | | | | | | | | |
| (Continúa) | | | | | | | | | | | | | |
| 32°4 S - 178°3 W; Ho=20-37-54*; (1.5-24); h=70 Kms.; Mag. 4.9 (CGS) Región Islas Kermadec. (U.S.C.G.S.) | | | | | | | | | | | | | |
| 32°9 S - 178°8 W; Ho=01-05-47,6; (0.6-11); h=30 Kms.; Mag. 4.6 (CGS) Región Islas Kermadec. (U.S.C.G.S.) | | | | | | | | | | | | | |
| 4°5 S - 152°9 E; Ho=02-30-32,2 (1.4-24); h=32 Kms.; Mag. 4.9 (CGS) Región Nueva Irlanda. (U.S.C.G.S.) | | | | | | | | | | | | | |
| Débil. | | | | | | | | | | | | | |
| 490 | 14 | e(Pg) | NS | 10 | 47 | 53,5 | 489 | 14 | e(Pg) | NS | 08 | 47 | 56,5 |
| | | i(Sg) | ZS | 48 | 36 | | | | i(Sg) | NS | 48 | 13,5 | |
| Débil. | | | | | | | | | | | | | |
| 491 | 14 | iP | ZS | 13 | 07 | 00 | Trazas. | | | | | | |
| Dilatación | | | | | | | | | | | | | |
| 492 | 14 | eP | ZS | 14 | 30 | 50 | 492 | 14 | eP | ZS | 14 | 30 | 50 |
| | | Lr | ZL | 58 | 00 | | | | Lr | ZL | 58 | 00 | |
| 59°7 N - 144°4 W; Ho=14-19-05*; (1.1-7); h=33 Kms.; Mag. 4.5 SD 0.2 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | | | | | | | |
| 493 | 15 | e | ZL | 11 | 07 | 12 | (Continúa) | | | | | | |
| | | e | ZL | 08 | 32 | | (Continúa) | | | | | | |
| | | ePP | ZL | 12 | 42 | | (Continúa) | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|----------------|-------|------|-------|------|---|-------|------|-------|----|----|----|
| 504 | 17 | iP | ZS | 19 | 31 | 44,5 | 509 | 19 | iP | ZS | 02 | 35 | 33 |
| | | iP | ZL,ZS | | 31 | 48 | | | | | | | |
| | | iPP | ZL | | 32 | 21 | | | | | | | |
| | | i(PcP) | EL | | 35 | 46 | | | | | | | |
| | | iS | ZL | | 36 | 08 | | | | | | | |
| | | iSS | EL | | 36 | 27 | | | | | | | |
| | | Lq | NL | | 37 | 10 | | | | | | | |
| | | Lr | ZL | | 37 | 48 | | | | | | | |
| | | M | ZL | | 38 | 00 | | | | | | | |
| | | W ₂ | EL | 21 | 03 | 00 | | | | | | | |
| | | M | ZL | 38.0 | 34.48 | | | | | | | | |
| D=3.100 Kms.=27°9; Doble fase P. La segunda de mayor amplitud. | | | | | | | 59°4 N - 145°2 W; Ho=02-23-46,8; (0.7-20); h=20 Kms.; Mag. 4.3 SD 0.4 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 35° N - 35° W; Ho=19-26-20; Cresta Media del Atlántico. Al SO de las Azores. (B.C.I.S.) | | | | | | | 510 19 iP ZS 06 16 34 compresión | | | | | | |
| 35°2 N - 35°9 W; Ho=19-26-20,6; (1.3-88); h=33 Kms.; Mag. 6 1/2 - (Pas); 5 3/4 - 6 (BRK); 6 - 6 1/4 (Pal); 5.6 SD 0.4 (CGS); Oceano Atlántico Norte. (U.S.C.G.S.) | | | | | | | 77°7 W - 180°3 E; Ho=06-09-04,1; (1.2-40); h=33 Kms.; Mag. 4.9 SD 0.3 (CGS); Región Svalbard. (U.S.C.G.S.) | | | | | | |
| 505 18 iP ZS 13 59 12 dilatación | | | | | | | 511 19 Lr ZL 11 11 00 | | | | | | |
| Lr ZL 14 25 00 | | | | | | | 45°5 N - 150°3 E; Ho=10-39-24,8; (0.8-62); h=33 Kms.; Mag. 5.4 SD 0.3 (CGS); Islas Kuriles. (U.S.C.G.S.) | | | | | | |
| 50°6 N - 145° W; Ho=13-47-22,7; (1.4-20); h=20 Kms.; Mag. 4.6 SD 0.5 (CGS); Réplica Alaska (U.S.C.G.S.) | | | | | | | 512 19 iP ZS 14 54 25,5 Dilatación | | | | | | |
| 506 18 eP ₁ ' ZL 14 32 11 (Dilatación) | | | | | | | Lr ZL 15 23 00 | | | | | | |
| iP ₂ ' ZS 32 59 | | | | | | | 60°2 N - 146°3 W; Ho=14-42-40,7; (0.7-34); h=33 Kms.; Mag. 4.9 SD 0.4 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| iPP ZS 36 37,5 | | | | | | | 513 19 iP ZS 15 49 45,5 compresión | | | | | | |
| eSKS ZL 38 51 | | | | | | | i ZS 49 52 | | | | | | |
| eSS EL 56 40 | | | | | | | Lr ZL 16 16 00 | | | | | | |
| Lr ZL 15 35 00 | | | | | | | 57° N - 152°8 W; Ho=15-37-35,9; (0.8-52); h=25 Kms.; Mag. 4.9 SD 0.4 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| D=17.820 Kms.=160°4 | | | | | | | 514 19 iP ZS 23 15 47,5 compresión | | | | | | |
| 21°2 S - 174°5 W; Ho=14-12-10,1; (1.1-43); h=33 Kms.; Mag. 4 1/2 (BRK); 5.6 SD 0.3 (CGS); Región Islas Tonga (U.S.C.G.S.) | | | | | | | iPP ZL 18 34 | | | | | | |
| 507 18 Lr ZL 18 53 00 | | | | | | | iPPP ZL 20 38 | | | | | | |
| 59°7 N - 145° W; Ho=18-14-49* (0.6-9); h=33 Kms.; Mag. 4.9 (CGS) Réplica Alaska. (U.S.C.G.S.) | | | | | | | iS NL 25 54 | | | | | | |
| 508 18 iP ZS 21 24 30 Dilatación | | | | | | | iPS ZL 26 14 | | | | | | |
| 19°5 N - 142°7 W; Ho=21-12-46,2; (0.9-29); h=25 Kms.; Mag. 4.9 SD 0.3 (CGS); Réplica Alaska (U.S.C.G.S.) | | | | | | | iSS NL 31 20 | | | | | | |
| 509 18 iP ZS 21 24 30 Dilatación | | | | | | | iSSS EL 33 30 | | | | | | |
| 19°5 N - 142°7 W; Ho=21-12-46,2; (0.9-29); h=25 Kms.; Mag. 4.9 SD 0.3 (CGS); Réplica Alaska (U.S.C.G.S.) | | | | | | | Lq NL 37 00 | | | | | | |
| 510 18 iP ZS 21 24 30 Dilatación | | | | | | | Lr ZL 41 00 | | | | | | |
| 19°5 N - 142°7 W; Ho=21-12-46,2; (0.9-29); h=25 Kms.; Mag. 4.9 SD 0.3 (CGS); Réplica Alaska (U.S.C.G.S.) | | | | | | | M ZL 45 00 | | | | | | |
| 511 18 iP ZS 21 24 30 Dilatación | | | | | | | seg. micrones | | | | | | |
| 19°5 N - 142°7 W; Ho=21-12-46,2; (0.9-29); h=25 Kms.; Mag. 4.9 SD 0.3 (CGS); Réplica Alaska (U.S.C.G.S.) | | | | | | | M ZL 24.0 17.65 | | | | | | |
| 512 18 iP ZS 21 24 30 Dilatación | | | | | | | D=9.235 Kms.=83°1. La onda P es notable por su periodo y amplitud. | | | | | | |
| 19°5 N - 142°7 W; Ho=21-12-46,2; (0.9-29); h=25 Kms.; Mag. 4.9 SD 0.3 (CGS); Réplica Alaska (U.S.C.G.S.) | | | | | | | 0°7 S - 80°2 W; Ho=23-03-41,8; (1.4-77); h=54 Kms.; Mag. 5 1/4 - 5 1/2 (BRK); 5.4 SD 0.4 (CGS); Cerca de la costa del Ecuador. (U.S.C.G.S.) | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|--------|-------|------------|------|------|--|-------|-------------------|------------|------------|-----|------|
| 515 | 20 | iP | ZS | 05 | 44 | 15 | 519 | 21 | (Continuación) | | | | |
| | | Lr | ZL | 06 | 15 | 00 | | | D=8.055 Kms.=72°5 | | | | |
| 58° N - 149°6 W; Ho=05-32-13,7; (0.5-35); h=20 Kms.; Mag. 4.9 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | 59°3 N - 145°3 W; Ho=22-30-11; (0.6-8); h=38 Kms.; Mag. 4.1 SD 0.6 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | |
| 516 | 20 | iP" | ZS | 06 | 20 | 38,5 | 520 | 22 | Lr | ZL | 01 | 50 | 00 |
| | | | | compresión | | | | | | | | | |
| | | iPP | ZL,ZS | 22 | 40 | | 34°7 S - 179°6 W; Ho=00-26-44,8; (0.6-13); h=58 Kms.; Mag. 4.5 (CGS) Región Islas Kermadec. (U.S.C.G.S.) | | | | | | |
| | | i(pPP) | ZS | 22 | 57 | | 521 | 22 | e | ZL | 05 | 24 | 00 |
| | | eSKKS | ZL | 29 | 22 | | | | Lr | ZL | 48 | 00 | |
| | | iSKSP | ZL | 32 | 20 | | 20°3 S - 169°4 E; Ho=04-59-26,2; (0.9-10); h=144 Kms.; Mag. 4.7 (CGS); Islas Loyalty. (U.S.C.G.S.) | | | | | | |
| | | ePPS | ZL | 34 | 40 | | 522 | 22 | Lr | ZL | 13 | 22 | 00 |
| | | Lq | EL | 53 | 00 | | | | M | ZL | 43 | 00 | |
| | | Lr | ZL | 07 | 02 | 00 | | | M | ZL | 18.0 | 2.0 | |
| | | M | ZL | 11 | 00 | | Trazas. | | | | | | |
| | | M | ZL | 32.0 | 1.78 | | 523 | 23 | Lr | ZL | 00 | 46 | 00 |
| D=14.110 Kms.=127° | | | | | | | 14°6 N - 56°3 E; Ho=00-17-07,5; (0.7-15); h=33 Kms.; Mar de Arabia. (U.S.C.G.S.) | | | | | | |
| 2°7 S - 139°3 E; Ho=06-01-14,8; (0.8-28); h=61 Kms.; Mag. 5.8 (CGS) Cerca de la costa N del W de Nueva Guinea (U.S.C.G.S.) | | | | | | | 524 | | | | | | |
| 517 | 21 | iP | ZS | 01 | 23 | 08,5 | 23 | i(Pn) | ZS | 09 | 02 | 20 | |
| | | | | Dilatación | | | | i | NS | 02 | 23 | | |
| | | i | ZS | 23 | 14 | | | i | NS | 02 | 27,5 | | |
| | | Lr | ZL | 51 | 00 | | | i | NS | 03 | 19 | | |
| 60°4 N - 145°9 W; Ho=01-11-23,1; (0.7-35); h=15 Kms.; Mag. 4.6 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | | | | | | | |
| 518 | 21 | iP | ZS | 15 | 48 | 04,5 | | i(Sn) | NS | 03 | 37 | | |
| | | | | dilatación | | | Débil. | | | | | | |
| | | i | ZS | 48 | 10,5 | | 525 | 23 | iPg | ZS | 10 | 47 | 10 |
| | | eS | EL | 57 | 57 | | | | i(Sg) | ES | 47 | 37 | |
| | | iSS | EL | 16 | 02 | 32 | Sismo corto? | | | | | | |
| | | Lq | EL | 08 | 40 | | 526 | 23 | iP | ZS | 13 | 15 | 14,5 |
| | | Lr | ZL | 11 | 00 | | | | | | compresión | | |
| | | M | ZL | 20 | 00 | | Trazas. | | | | | | |
| | | M | ZL | 20.0 | 2.66 | | 527 | 23 | iP | ZS | 21 | 43 | 21 |
| D=8.710 Kms.=78°4 | | | | | | | 18°4 S - 69°2 W; Ho=21-31-03,4; (1.3-40); h=128 Kms.; Mag. 4.7 (CGS); Región Frontera Chile-Bolivia. (U.S.C.G.S.) | | | | | | |
| 59° N - 153°5 W; Ho=15-36-01,5; (1.1-61); h=15 Kms.; Mag. 5 3/4 - 6 (BRK); 5.3 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | 528 | | | | | | |
| 519 | 21 | iP | ZS | 22 | 43 | 53,5 | 24 | iP | ZS | 00 | 11 | 52 | |
| | | | | compresión | | | | | | compresión | | | |
| | | iS | NL | 53 | 15 | | (Continúa) | | | | | | |
| | | eSS | EL | 57 | 48 | | (Continúa) | | | | | | |
| | | Lq | NL | 23 | 02 | 00 | | | | | | | |
| | | Lr | ZL | 05 | 00 | | | | | | | | |

Núm. Fecha Fase Comp. H M S
 228 24 (Continuación)
 i ZS 00 26 55

22°1 N - 82°1 E; Ho=00-00-50,2;
 (1.4-11); h=33 Kms.; Mag. 5.1 (CGS)
 Nepal (U.S.C.G.S.)

229 24 iP' ZS 04 33 05
 Compresión
 iP' ZS 33 46
 ePP ZL 37 20
 Lr ZL 05 46 30

22°6 S - 174°1 W; Ho=04-13-05,3;
 (1.0-50); h=33 Kms.; Mag. 5 - 5 1/4
 (BRK), 5.7 (CGS); Región Islas
 Tonga. (U.S.C.G.S.)

530 24 iP ZL 10 45 22
 compresión
 e ZL 48 52
 iPP ZL 49 16
 ePPP ZL 50 44
 eSKS ZL 55 32
 eS EL 56 33
 Lr ZL 11 20 00
 M ZL 30 00
 seg. micrones
 M ZL 25.0 1.66

D=10.645 Kms.=95°8

34°3 N - 141°1 E; Ho=10-31-24,1;
 (0.6-40); h=33 Kms.; Mag. 5.2 SD
 0.4 (CGS); Cerca de la costa E de
 Honshu. Japón (U.S.C.G.S.)

531 25 iPP ZL 20 01 40
 ePPP ZL 03 44
 iSKS EL 08 18
 iS EL 10 34
 iSS EL 15 48
 iSSS ZL 18 44
 Lr ZL 23 00
 M ZL 36 00
 seg. micrones
 M ZL 24.0 1.33

9°1 S - 88°9 E; Ho=19-44-07;
 (1.0-22); h=33 Kms.; Mag. 5.5 (CGS)
 Océano Indico. (U.S.C.G.S.)

532 26 iP ZS 05 45 27
 compresión

60°3 N - 145°5 W; Ho=05-33-45*
 (0.5-14); h=33 Kms.; Mag. 4.3 SD
 0.4 (CGS); Réplica Alaska,
 (U.S.C.G.S.)

533 26 eP ZS 11 12 39,5
 iP ZL 12 42
 compresión
 (Continúa)

Núm. Fecha Fase Comp. H M S
 533 26 (Continuación)

!iP ZL,ZT 11 13 09
 isP ZT 13 40
 iPP ZT 16 40
 ePPP ZT 18 21
 iSKS ET,NT 23 09
 iS ET 24 03
 isS EL 24 57
 iPS ZT,NT 25 19
 iPPS NT 26 16
 iSS NT 30 18
 isSS EL 31 02
 iSSS EL 34 03
 Lq ET 37 30
 Lr ZT 49 40
 M3 NT 50 00
 iP'P' ZS 52 34
 iP'P'P' ZS 57 53
 F ZL 20 00 00
 seg. micrones
 M NT 21.0 23.33

D=11.035 Kms.=99°3; h=100 Kms.;

56°2 S - 27°8 W; Ho=10-59-12,3;
 (1.4-33); h=120 Kms.; Mag. 7 1/2
 7 3/4 (Pas); 7 1/2 - 7 3/4 (BRK)
 7 - 7 1/4 (Pal); Islas Sandwich.
 (U.S.C.G.S.)

534 27 iP ZS 01 10 08
 compresión
 epP ZS 10 45
 ePP ZL 14 45
 ePPP ZL 16 18
 eSKS NL 20 33
 iS EL 21 26
 isS EL 22 19
 iPS ZL 22 45
 iPPS ZL 23 19
 iSS NL 28 06
 iSSS NL 31 40
 Lq EL 36 00
 Lr ZL 42 30

D=10.835 Kms.=97°5. h=130 Kms.

56°1 S - 27°6 W; Ho=00-56-42,5;
 (0.8-19); h=105 Kms.; Mag. 5 (Pal)
 5.6 (CGS); Islas Sandwich.
 (U.S.C.G.S.)

535 27 Lr ZL 06 57 00

16°9 S - 70°2 W; Ho=06-16-09*;
 (0.2-6); h=116 Kms.; Mag. 3.8
 (CGS); Sur del Perú. (U.S.C.G.S.)

536 27 iPg ZS 15 35 34,5
 iSg NS 35 39,5

Explosión artificial.

| Núm. | Fecha | Fase | comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S | |
|--|--|----------|----------|----|----|------|--|---|------|-------|----|----|----|--|
| 537 | 28 | Lq Lr | EL ZL | 02 | 40 | 00 | 543 | 29 | iP | ZG | 10 | 29 | 31 | |
| 24°5 N - 122° E; Ho=01-56-58,9; (0.6-12); h=41 Kms.; Mag. 5.9 (CGS) Cerca de la costa E de Taiwan. (U.S.C.G.S.) | | | | | | | dilatación ePP ZL 32 16 iS NL,EL 39 07 Lq EL 49 30 Lr ZL 54 00 M ZL 11 03 00 seg. micrones M ZL 20.0 2.55 | | | | | | | |
| 538 | 28 | iP | ZS | 12 | 41 | 23,5 | D=8.390 Kms.=75°5 | | | | | | | |
| 50°2 N - 146°3 W; Ho=10-17-34,5; (0.9-24); h=5 Kms.; Mag. 5 1/2 (Pal) 5.6 (CGS) Réplica Alaska. (U.S.C.G.S.) | | | | | | | 544 30 iP ZS 03 30 04 compresión | | | | | | | |
| D=4.735 Kms.=46°6 | | | | | | | 59°5 N - 148°5 W; Ho=03-18-08,3; (0.9-21) Mag. 4 1/4 - 4 1/2 (Pal); 5.5 SD 0.4 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | |
| 538 S - 24°7 W; Ho=12-33-10,2; (0.8-37); h=33 Kms.; Mag. 5.2 SD 0.3 (CGS); Océano Atlántico Medio (U.S.C.G.S.) | 545 30 iP ZL 14 44 16 compresión | | | | | | | i ZS 44 31,5 iPP ZL 48 10 iPPP ZL 50 16 eSKS EL 54 30 eS NL 55 52 iPS NL 57 24 iSS NL 15 02 20 eSSS NL 06 20 Lq EL 13 00 Lr ZL 17 00 M ZL 31 00 seg. micrones M ZL 19.0 13.55 | | | | | | |
| 539 28 iP ZS 13 02 20,5 dilatación i ZS 02 48 | 540 28 iP ZS 16 30 05 compresión i ZS 30 12 Lr ZL 17 02 00 | | | | | | | D=11.335 Kms.=102° | | | | | | |
| 13°4 S - 74°9 W; Ho=12-49-57,5; (0.7-31); h=103 Kms.; Mag. 5.2 SD 0.3 (CGS); Sur del Perú. (U.S.C.G.S.) | | | | | | | 36°2 N - 141°1 E; Ho=14-30-45,3; (0.5-23); h=49 Kms.; Mag. 5 1/2 - 5 3/4 (Pal); 5.4 SD 0.2 (CGS); Cerca de la costa E de Honshu. Japón. (U.S.C.G.S.) | | | | | | | |
| 540 28 iP ZS 16 30 05 compresión i ZS 30 12 Lr ZL 17 02 00 | 541 29 iP ZS 03 46 39,5 dilatación Lr ZL 04 15 00 | | | | | | | 546 30 iP ZS 22 46 45,5 compresión !Lr ZL 23 16 00 | | | | | | |
| 58°3 N - 150°6 W; Ho=16-18-04,2; (0.5-23); h=25 Kms.; Mag. 5.4 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | 56°6 N - 152°3 W; Ho=22-34-33,3; (0.5-17); h=15 Kms.; Mag. 4.7 SD 0.2 (CGS); Réplica Alaska. (U.S.C. G.S.) | | | | | | | |
| 541 29 iP ZS 03 46 39,5 dilatación Lr ZL 04 15 00 | 542 29 iP ZS 05 21 10,5 compresión Lr ZL 06 04 00 | | | | | | | 547 31 iP ZS 00 53 41,5 compresión iPP ZL 57 26 iPPP ZL 59 20 (Continúa) | | | | | | |
| 101 N - 146°5 W; Ho=03-34-51,8; (0.7-17); h=15 Kms.; Mag. 4.7 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | 547 31 iP ZS 00 53 41,5 compresión iPP ZL 57 26 iPPP ZL 59 20 (Continúa) | | | | | | | |
| 542 29 iP ZS 05 21 10,5 compresión Lr ZL 06 04 00 | 547 31 iP ZS 00 53 41,5 compresión iPP ZL 57 26 iPPP ZL 59 20 (Continúa) | | | | | | | 547 31 iP ZS 00 53 41,5 compresión iPP ZL 57 26 iPPP ZL 59 20 (Continúa) | | | | | | |
| 1427 N - 149°4 E; Ho=05-08-02,2; (0.8-14); h=50 Kms.; Mag. 4.7 SD 0.3 (CGS); Islas Kuriles (U.S.C.G.S.) | | | | | | | 547 31 iP ZS 00 53 41,5 compresión iPP ZL 57 26 iPPP ZL 59 20 (Continúa) | | | | | | | |

| <u>Núm.</u> | <u>Fecha</u> | <u>Fase</u> | <u>Comp.</u> | <u>H</u> | <u>M</u> | <u>S</u> | |
|-------------|--------------|----------------|--------------|----------------|----------|----------|--|
| 547 | 31 | (Continuación) | | | | | |
| | | iPa | ZL | 01 | 01 | 15 | |
| | | ISKS | NL | | 04 | 18 | |
| | | iS | NL | | 04 | 50 | |
| | | iPS | NL | | 05 | 56 | |
| | | iSS | NL | | 11 | 20 | |
| | | iSSS | NL | | 15 | 00 | |
| | | iSa | EG | | 17 | 06 | |
| | | Lq | NL | | 20 | 00 | |
| | | Lr | ZL | | 22 | 00 | |
| | | Lg1 | NG | | 28 | 10 | |
| | | Lg2 | NG | | 31 | 20 | |
| | | M | ZL | | 34 | 00 | |
| | | | | seg. micron es | | | |
| | | M | ZL | 26.0 | 103.57 | | |

Tren de P de gran periodo
 D=10.555 Kms.=95°

43°5 N - 146°8 E; Ho=00-40-36,4;
 (0.6-29); h=48 Kms.; Mag. 6 1/2 -
 6 3/4 (Pal); 6.3 SD 0.4 / (CGS);
 Islas Kuriles (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----------------|----|---------------|------|----|
| 548 | 31 | iP ₂ | ZS | 17 | 35 | 24 |
| | | | | compresión | | |
| | | i | ZL | | 36 | 24 |
| | | iPP | ZL | | 39 | 18 |
| | | eSKS | ZL | | 42 | 26 |
| | | ePPS | ZL | | 52 | 04 |
| | | iSS | ZL | | 59 | 30 |
| | | iSSS | ZL | 18 | 05 | 40 |
| | | Lr | ZL | | 28 | 00 |
| | | M | ZL | | 40 | 00 |
| | | | | seg. micrones | | |
| | | M | ZL | 24.0 | 3.00 | |

D=16.980 Kms.=152°8

13°6 S - 172°1 E; Ho=17-15-26,8;
 (0.6-35); h=73 Kms.; Mag. 4 3/4 -
 5 (BRK); Islas Nuevas Hébridás.
 (U.S.C.G.S.)

Instituto Geográfico y Catastral

 OBSERVATORIO CENTRAL GEOPISICO
 "ALFONSO REY PASTOR"
 TOLEDO

MOVIMIENTO MICROSISMICO

Mes de Mayo de 1964.

N - S

E - W

| Día | N - S | | | | Car | E - W | | | | Car |
|-----|-------|-------|-------|-------|-----|-------|-------|-------|-------|-----|
| | O | VI | XII | XVIII | | O | VI | XII | XVIII | |
| | T A | T A | T A | T A | | T A | T A | T A | T A | |
| 1 | 45 04 | 40 05 | 40 04 | 40 05 | 3 | 40 04 | 40 03 | 40 04 | 40 03 | 3 |
| 2 | 40 04 | 40 05 | 40 04 | .. .. | 3 | 40 03 | 40 04 | 40 03 | .. .. | 3 |
| 3 | 40 05 | 40 05 | 40 05 | 35 07 | 3 | 40 04 | 40 03 | 35 05 | 40 04 | 3 |
| 4 | 40 05 | 40 06 | 50 06 | 50 07 | 3 | 40 04 | 45 05 | 45 07 | 50 04 | 3 |
| 5 | 50 06 | 50 07 | 50 07 | .. .. | 2 | 50 04 | 50 04 | 50 03 | 45 04 | 2 |
| 6 | .. .. | .. .. | 50 05 | 45 06 | 2 | 50 04 | 45 04 | .. .. | 45 04 | 2 |
| 7 | 45 05 | .. .. | 45 07 | 40 06 | 3 | 45 04 | .. .. | 50 03 | 40 06 | 3 |
| 8 | 50 05 | 50 07 | 45 06 | 50 07 | 3 | 40 05 | 45 05 | 40 05 | 50 04 | 3 |
| 9 | 40 06 | 50 08 | 50 07 | 50 07 | 3 | 50 06 | 40 07 | 50 06 | 50 06 | 3 |
| 10 | 50 09 | 50 09 | 50 11 | 55 07 | 2 | 50 06 | 50 07 | 45 07 | 50 07 | 2 |
| 11 | 50 09 | 50 06 | 40 09 | 40 05 | 2 | 50 06 | 50 04 | 45 05 | 45 05 | 2 |
| 12 | 50 05 | 45 05 | 40 05 | 40 06 | 3 | 40 05 | 40 06 | 40 05 | 40 04 | 3 |
| 13 | 40 05 | .. .. | 50 05 | 50 05 | 3 | 40 04 | .. .. | 50 05 | 50 03 | 3 |
| 14 | 50 05 | 50 05 | 50 03 | 40 05 | 3 | 40 04 | 50 04 | 40 03 | 40 04 | 3 |
| 15 | 45 05 | 40 05 | 35 05 | 30 06 | 3 | 35 04 | 35 05 | 30 04 | 40 04 | 3 |
| 16 | 35 06 | 40 06 | 30 02 | .. .. | 3 | 40 04 | 35 04 | 35 03 | .. .. | 3 |
| 17 | 35 03 | 40 05 | 30 06 | 30 05 | 3 | 35 04 | 35 03 | 35 03 | 30 04 | 3 |
| 18 | 30 05 | 40 03 | 30 05 | 35 03 | 3 | 30 04 | 30 04 | 30 04 | 30 04 | 3 |
| 19 | 30 04 | 35 03 | 45 04 | 50 05 | 3 | 30 04 | 30 04 | 40 04 | 40 04 | 3 |
| 20 | .. .. | 40 06 | 40 06 | 40 07 | 2 | .. .. | 35 05 | 40 04 | 35 06 | 2 |
| 21 | 40 05 | 40 05 | 35 06 | 40 05 | 3 | 35 06 | 30 06 | 40 05 | 30 04 | 3 |
| 22 | 40 05 | 40 06 | 60 04 | 40 07 | 3 | 40 04 | 35 04 | 40 04 | 40 04 | 3 |
| 23 | 50 08 | 60 11 | 50 05 | 40 08 | 2 | 40 04 | 50 06 | 40 04 | 30 04 | 2 |
| 24 | 45 08 | 50 11 | 40 08 | 40 08 | 2 | 40 04 | 50 09 | 40 04 | 50 04 | 2 |
| 25 | 35 04 | .. .. | 40 05 | 35 05 | 3 | 50 04 | 30 04 | 35 04 | 30 05 | 3 |
| 26 | 40 05 | 40 05 | .. .. | 35 08 | 3 | 35 04 | 40 04 | .. .. | 30 04 | 3 |
| 27 | 50 06 | 30 06 | 35 04 | 50 03 | 3 | 65 03 | 30 04 | 30 04 | 30 04 | 3 |
| 28 | 30 06 | 35 06 | 40 05 | 40 08 | 3 | 30 04 | 35 03 | 40 04 | 30 04 | 3 |
| 29 | 45 07 | 40 08 | 45 08 | 50 09 | 3 | 35 05 | 40 04 | 50 06 | 50 04 | 3 |
| 30 | 40 08 | 40 09 | 50 06 | 35 09 | 3 | 50 06 | 40 06 | 35 06 | 35 05 | 3 |
| 31 | 40 07 | 40 06 | 30 08 | 35 09 | 3 | 40 04 | 30 05 | 30 05 | 30 05 | 3 |

Los números de las columnas T representan décimas de segundo,
 y los números de las columnas A décimas de micron.

 G. Payo
 Director.

Ana G. Menor.

Instituto Geográfico y Catastral

 OBSERVATORIO CENTRAL GEOFISICO
 "ALFONSO REY PASTOR"
 DE TOLEDO (ESPAÑA)

Natural eza del terreno: Mioceno Superior.

Coordenada de la Estación:

L = 39°52'53"

M = 04°02'55"

Z = 480,46 m.

MES DE JUNIO DE 1964.

CONSTANTES DE LOS SISMOGRAFOS:

| Aparato | Masa Kg | Periodo T_0 | Rozamiento $\frac{r}{T_0^2}$ | Amplitud V | Amortg ^o e |
|-------------|------------|------------------|---------------------------------|---------------|--------------------------|
| Wiechert ZT | 1200 | 3.8 | 0.155 | 1.885 | 4.10 |
| " ET | 1000 | 10.6 | 0.056 | 876 | 3.56 |
| " NT | 1000 | 11.5 | 0.083 | 834 | 5.6 |
| " EX | 800 | 8.5 | 0.015 | 276 | 3.8 |
| " NX | 800 | 7.9 | 0.058 | 359 | 4.7 |

| Aparato | Periodo péndulo T | Periodo Galv. T ₁ | Amortg ^o t. μ^2 | Amplitud máxima A _m |
|-----------------|-------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| Sprengnether ZG | 1.70 | 1.70 | 0.38 | --- |
| " EG | 14.3 | 14.3 | 0.30 | 1.780 |
| " NG | 13.0 | 13.0 | -0.31 | 1.735 |

Equipos Standard.

 1º.- Sprengnether (Standard) de periodo largo. (Tp=30 s. Tg=100 s.)
 Sus componentes serán designadas por ZL, EL, NL.

 2º.- Beniof (Standard) de periodo corto (Tp=1.0 s. Tg=0,75 s.)
 Sus componentes serán designadas por ZS, ES, NS.

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|------|-------|----|----|----|---|-------|------|-------|----|----|----|
| 549 | 1 | Lr | ZL | 13 | 35 | 30 | 551 | 2 | iPg | ZS | 04 | 11 | 35 |
| 52°9 N - 35° W; Ho=12-24-07,1; (0.8-9); h=33 Kms.(R); Mag. 4.4 (CGS); Oceano Atlántico Norte. (U.S.C.G.S.) | | | | | | | iSg NS 12 11,5 seg. micrones iSg NS 0.6 0.07 | | | | | | |
| 550 | 1 | Lr | ZL | 14 | 33 | 00 | (D=300 Kms.=2°70) | | | | | | |
| 21° S - 175°7 W; Ho=13-17-20,7; (1.8-27); h=35 Kms.; Mag. 5.2 (CGS); Islas Tonga (U.S.C.G.S.) | | | | | | | 552 2 iP ZS 16 21 10,5 dilatación i ZS 21 23 ePP ZL 24 07 eS NL 31 06 | | | | | | |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|--------------------|----------------|----|----|------|--|-------|------|---|---|---|---|
| 552 | 2 | | (Continuación) | | | | 558 | 3 | | (Continuación) | | | |
| | | Lr | ZL | 16 | 48 | 30 | | | | (1.5-17); h=33 Kms. (R); Mag. 4.8 (CGS); Islas Tonga (U.S.C.G.S.) | | | |
| D=8.800 Kms.=79°2 | | | | | | | | | | | | | |
| 59°7 N - 144°4 W; Ho=16-09-23,5; (0.8-29); h=15 Kms.; Mag. 4 3/4 (BRK); 5.1 SD 0.3 (CGS); Réplica Alaska (U.S.C.G.S.) | | | | | | | 559 4 iP ZS 03 06 46,5 Compresión Lr ZL 35 00 | | | | | | |
| 553 | 2 | iP | ZS | 16 | 41 | 29,5 | 36°4 N - 69°3 E; Ho=02-57-07,6; (0.6-12); h=33 Kms. (R); Mag. 4.9 (CGS); Hindu Kush. (U.S.C.G.S.) | | | | | | |
| | | i | ZS | | 41 | 36,5 | 560 4 iP ZL 04 41 26 Compresión | | | | | | |
| | | ePP | ZL | | 44 | 22 | ePP ZL 45 08 | | | | | | |
| | | iSS | NL | | 56 | 08 | eS EL 52 04 | | | | | | |
| | | Lq | EL | 17 | 02 | 00 | eSS EL 57 30 Lr ZL 05 10 00 | | | | | | |
| Enmascarado por el anterior. | | | | | | | D=9.755 Kms.=87°8 | | | | | | |
| 59°7 N - 144°2 W; Ho=16.29-41,5; (0.7-22); h=10 Kms.; Mag. 4.8 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | 17°5 N - 100°8 W; Ho=04-28-54,7; (0.6-19); h=22 Kms.; Mag. 4.7 SD 0.4 (CGS); Cerca de la costa de Guerrero. México. (U.S.C.G.S.) | | | | | | |
| 554 | 2 | iB ₂ ' | ZS | 23 | 32 | 44,5 | 561 4 Lr ZL 11 58 00 | | | | | | |
| | | ipB ₂ ' | ZS | | 33 | 05,5 | 6°1 S - 149°9 E; Ho=11-17-11,8; (1.7-20); h=54 Kms.; Sentido en Nueva Bretaña. (U.S.C.G.S.) | | | | | | |
| 14°7 S - 167° E; Ho=23-12-37,8; (0.9-22); h=82 Kms.; Mag. 4.7 (CGS); Islas Nuevas Hébridias. (U.S.C.G.S.) | | | | | | | 562 4 iP ZS 11 58 16 Compresión i ZS 59 04 Lr ZL 12 26 00 | | | | | | |
| 555 | 3 | iP | ZS | 02 | 54 | 35 | 9°6 S - 76°1 W; Ho=11-46-01,7; (0.4-15); h=124 Kms.; Mag. 5.3 SD 0.3 (CGS); Centro del Perú (U.S.C.G.S.) | | | | | | |
| Trazas. | | | | | | | 563 4 i(Pn) NS 16 55 49,5 i NS 55 54 i NS 56 19 i(Sg) NS 56 46 seg. micrones i(Sg) NS 0.5 0.04 | | | | | | |
| 556 | 3 | iP | ZS | 03 | 01 | 19,5 | 43°03' N - 0°06' W; Ho=16-54-22; Altos Pirineos. Sentido IV-V en Lourdes y St-Pé, Argelès - Gazost (B.C.I.S.) | | | | | | |
| | | ipP | ZS | | 01 | 51 | 564 5 iP ZS 00 18 50 Dilatación Lr ZL 29 00 | | | | | | |
| | | eS | EL | | 11 | 16 | 39°3 N - 43°1 E; Ho=00-11-51,9; (1.2-17); h=33 Kms. (R); Mag. 4.6 (CGS); Este de Turquía. (U.S.C.G.S.) | | | | | | |
| | | Lr | ZL | 29 | 00 | | | | | | | | |
| D=8.820 Kms.=79°4 | | | | | | | | | | | | | |
| 95°9 N - 95°8 E; Ho=02-49-14,9; (0.5-31); h=100 Kms.; Mag. 5.5 SD 0.4 (CGS); Norte de Burma. (U.S.C.G.S.) | | | | | | | | | | | | | |
| 557 | 3 | iP | ZS | 14 | 15 | 27,5 | | | | | | | |
| | | Lr | ZS | | 45 | 00 | | | | | | | |
| 59°9 N - 143°9 W; Ho=14-03-42,4; (0.8-15); h=20 Kms.; Mag. 5.1 SD 0.3 (CGS); Réplica Alaska. (U.S.C.G.S.) | | | | | | | | | | | | | |
| 558 | 3 | Lr | ZL | 19 | 16 | 00 | | | | | | | |
| 18°8 S - 173°7 W; Ho=17-54-14,7; (Continúa) | | | | | | | | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|------|-------|--|------|------|------|-------|----------------|-------------|--|------|------|
| 555 | 5 | iP | ZS | 04 | 49 | 03,5 | 570 | 6 | (Continuación) | | | | |
| | | | | Dilatación | | | | | Lr | ZL | 20 | 05 | 00 |
| | | i | ZS | | 49 | 05,5 | | | M | ZL | | 06 | 00 |
| | | iS | EL | | 52 | 40 | | | | | seg. micrones | | |
| | | Lr | ZL | | 53 | 32 | | | M | ZL | 36.0 | 2.75 | |
| | | M | ZL | | 54 | 00 | | | | | | | |
| | | | | seg. micrones | | | | | | | | | |
| | | M | ZL | 18.0 | 1.0 | | | | | | | | |
| D=2.110 Kms.=19° | | | | | | | | | | | | | |
| 47°8 N - 27°3 W; Ho=04-44-48,6; (1.2-22); h=33 Kms.; Mag. 4.7 SD 0.4 (CGS); Océano Atlántico Norte. (U.S.C.G.S.) | | | | | | | | | | | | | |
| 566 | 5 | iP | ZS | 10 | 02 | 20 | 571 | 7 | eP | ZS | 20 | 23 | 26 |
| | | | | compresión | | | | | eS | NL | | 34 | 40 |
| | | i | ZS | | 02 | 26,5 | | | Lq | NL | | 49 | 20 |
| | | i | ZS | | 02 | 30 | | | Lr | ZL | | 55 | 00 |
| | | eS | NL | | 12 | 06 | | | | | 30°4 S - 67°6 W; Ho=20-10-15,9; (0.8-21); h=29 Kms.; Mag. 5.2 (CGS) Provincia de La Rioja, Argentina (U.S.C.G.S.) | | |
| | | Lq | EL | | 22 | 30 | | | | | | | |
| | | Lr | ZL | | 27 | 00 | | | | | | | |
| | | M | ZL | | 36 | 00 | | | | | | | |
| | | | | seg. micrones | | | | | | | | | |
| | | M | ZL | 20.0 | 1.33 | | | | | | | | |
| D=8.665 Kms.=78° | | | | | | | | | | | | | |
| 50°4 N - 146° W; Ho=09-50-35; (0.4-19); h=15 Kms; Mag. 5.2 (CGS) Réplica Alaska (U.S.C.G.S.) | | | | | | | | | | | | | |
| 567 | 5 | iP | ZS | 22 | 18 | 58 | 572 | 8 | i | ZS | 15 | 57 | 53 |
| | | | | compresión | | | | | i | ES | | 57 | 58 |
| | | i | ZS | | 19 | 02,5 | | | iSg | ZS | | 57 | 59,5 |
| | | eS | NL | | 29 | 06 | | | | | seg. micrones | | |
| | | Lr | ZL | | 45 | 30 | | | iSg | ZS | 0.4 | 0.06 | |
| | | M | ZL | | 54 | 00 | | | | | Explosión artificial. | | |
| | | | | seg. micrones | | | | | | | | | |
| | | M | ZL | 20.0 | 1.00 | | | | | | | | |
| D=284 Kms.=2°55 | | | | | | | | | | | | | |
| 58°1 N - 152°1 W; Ho=22-06-53; (0.8-17); h=15 Kms.; Mag. 5.0 SD 0.4 (CGS); Réplica Alaska (U.S.C. G.S.) | | | | | | | | | | | | | |
| 568 | 6 | Lr | ZL | 03 | 24 | 00 | 573 | 8 | eiP | ZS | 16 | 54 | 30 |
| | | | | Trazas. | | | | | ePP | ZS | | 55 | 08 |
| | | | | 569 | | | | | | | 36°8 N - 28°1 E; Ho=16-49-07; Turquia (según Moscú) | | |
| | | | | 6 | | | | | | | | | |
| | | | | iP | | | | | | | | | |
| | | | | ZL | | | | | | | | | |
| | | | | 08 | | | | | | | | | |
| | | | | 15 | | | | | | | | | |
| | | | | 32,5 | | | | | | | | | |
| | | | | Compresión | | | | | | | | | |
| | | | | 37°1 N - 72°1 E; Ho=08-05-56,4; (0.1-15); h=166 Km.; Mag. 5.0 (CGS) Región Indu Kush. (U.S.C.G.S.) | | | | | | | | | |
| 570 | 6 | iPP | ZL | 19 | 28 | 16 | 574 | 9 | iPn | ZS | 02 | 34 | 14 |
| | | iPS | ZL | | 38 | 16 | | | | | Dilatación | | |
| | | iSS | EL | | 45 | 20 | | | iP* | ZG | | 34 | 19 |
| | | iSSS | EL | | 49 | 18 | | | iPg | ZG,ZS | | 34 | 21 |
| | | | | (Continúa) | | | | | i(Sn) | EG | | 34 | 49 |
| | | | | | | | | | i(PL) | EL | | 34 | 50 |
| | | | | | | | | | iSg | ZT,ZS,NS,ES | | 34 | 54 |
| | | | | | | | | | | | seg. micrones | | |
| | | | | | | | | | iSg | ZT | 1.5 | 14.8 | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|-------|---------------|-----|------|------|---|-------|-------|---------------|-----|------|------|
| 575 | 9 | e(Pn) | ZS | 03 | 03 | 48 | 581 | 9 | Lr | ZL | 12 | 58 | 30 |
| | | iPg | ZS,NS | | 03 | 51,5 | | | | | | | |
| | | i(Sn) | ZS,NS | | 04 | 15,5 | | | | | | | |
| | | iSg | ZS,NS | | 04 | 22,5 | | | | | | | |
| | | | seg. micrones | | | | | | | | | | |
| | | iSg | ZS | 0.8 | 0.1 | | | | | | | | |
| 37°6 N - 2°7 W; Ho=03-03-08; h=33 Kms.; Mag. 4.0 Réplica. Próximo a Huescar (Granada). (LCSS. Madrid). | | | | | | | 0°2 S - 78°9 W; Ho=18-16-13,7; (0.9-20); h=48 Kms.; Mag. 4.6 SD C.S. (CGS); Ecuador (U.S.C.G.S.) | | | | | | |
| 576 | 9 | e(Pn) | NS | 03 | 22 | 22 | 583 | 10 | ePg | ZS | 01 | 00 | 51,5 |
| | | iPg | ZS,NS | | 22 | 23 | | | eSn | NS | | 01 | 06,5 |
| | | | Compresión | | | | | | iSg | NS | | 01 | 15 |
| | | e | NS | | 22 | 40 | | | | seg. micrones | | | |
| | | iSg | ES,NS | | 22 | 54 | | | iSg | NS | 0.6 | 0.02 | |
| | | | seg. micrones | | | | | | | | | | |
| | | iSg | ES | 0.9 | 0.08 | | | | | | | | |
| 37°8 N - 2°5 W; Ho=03-21-33,5; Mag. 3.9. Réplica. Próximo a Huescar (L.C.S.S.Madrid). | | | | | | | 584 10 e(Pg) NS 03 33 06 iSg NS,ES 33 35,5 seg. micrones iSg NS 0.6 0.02 | | | | | | |
| 577 | 9 | e(Pn) | NS | 03 | 35 | 42 | 37°8 N - 2°5 W; Ho=03-32-17,5; Mag. 3.7. Réplica. Próximo a Huescar (Granada). (L.C.S.S.Madrid) | | | | | | |
| | | iPg | ZS | | 35 | 44 | 585 | 10 | e(Pn) | NS | 05 | 13 | 55,5 |
| | | i | ZS | | 36 | 03 | | | ePg | NS | | 13 | 57,5 |
| | | e(Sn) | NS | | 36 | 06 | | | eSn | NS | | 14 | 16 |
| | | iSg | NS,ES | | 36 | 15,5 | | | iSg | ES | | 14 | 26,5 |
| | | | seg. micrones | | | | | | | seg. micrones | | | |
| | | iSg | ES | 1.0 | 0.06 | | | | iSg | ES | 0.9 | 0.07 | |
| 37°8 N - 2°5 W; Ho=03-34-54; Mag. 3.8. Réplica. Próximo a Huescar. (Granada). (L.C.S.S.Madrid). | | | | | | | 37°8 N - 2°5 W; Ho=05-13-07,5; Mag. 3.8. Réplica. Próximo a Huescar. Granada. (L.C.S.S. Madrid) | | | | | | |
| 578 | 9 | e(Pn) | ZS | 04 | 00 | 20,5 | 586 10 eP* NS 09 55 11,5 i(Pg) NS 55 23 iSn NS 55 40,5 iS* ES 55 44 iSg NS 55 51,5 seg. micrones iSg NS 0.7 0.1 | | | | | | |
| | | iPg | ZS,NS | | 00 | 22,5 | (D=250 Kms.=2°25) | | | | | | |
| | | iSg | ZS | | 00 | 54 | 37°8 N - 2°5 W; Ho=09-54-53,5; Mag. 4.0. Réplica. Sentido en Oriz. (Granada) (L.C.S.S. Madrid) | | | | | | |
| 37°8 N - 2°5 W; Ho=03-59-33,5; Mag. 3.8. Réplica. Próximo a Huescar (Granada). (L.C.S.S.Madrid) | | | | | | | 587 10 iP ZS 18 07 21,5 compresión ipP ZS 07 25,5 | | | | | | |
| 579 | 9 | e(Pn) | ZS | 04 | 57 | 26 | 31°8 N - 93°1 E; Ho=17-55-42,9; (0.4-16); h=71 Kms.; Mag. 5.0 (CGS) Tibet. (U.S.C.G.S.) | | | | | | |
| | | iPg | ZS | | 57 | 31 | | | | | | | |
| | | | Compresión | | | | | | | | | | |
| | | i | NS,ZS | | 57 | 46 | | | | | | | |
| | | iSn | ZS | | 57 | 57,5 | | | | | | | |
| | | iSg | ZS,NS,ES | | 58 | 03,5 | | | | | | | |
| | | | seg. micrones | | | | | | | | | | |
| | | iSg | ZS | 0.5 | 0.05 | | | | | | | | |
| 37°8 N - 2°5 W; Ho=04-56-43; Mag. 3.9; Réplica. Próximo a Huescar (Granada) (L.C.S.S. Madrid) | | | | | | | | | | | | | |
| 580 | 9 | iP | ZS | 09 | 36 | 45 | | | | | | | |
| | | | Compresión | | | | | | | | | | |
| | | Lr | ZL | 10 | 06 | 30 | | | | | | | |
| 59°6 N - 145°1 W; Ho=09-24-18* (0.5-11); h=33 Kms.; Mag. 4.8 SD 0.8 (CGS). Réplica Alaska. (U.S.C.G.S.) | | | | | | | | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|-------|-------|----|----|------|
| 588 | 10 | eP" | ZS | 22 | 35 | 16,5 |
| | | iPP | ZS | | 36 | 28 |
| | | ipPP | ZS | | 36 | 50 |
| | | ePPP | ZL | | 39 | 06 |
| | | eSKKS | NL | | 42 | 06 |
| | | iPS | ZL | | 45 | 50 |
| | | iPPS | EL | | 47 | 15 |
| | | iSS | EL,ZL | | 52 | 04 |
| | | eSSS | EL | | 56 | 18 |
| | | Lr | NL | 23 | 10 | 30 |

D=12.935 Kms.=116²⁴

5² N - 127²⁴ E; Ho=22-16-44,8;
(1.3-47); h=146 Kms.; Mag. 5.5
(CGS); Región Islas Taland. Sentido
en Gen Santos e Hinatuan. Islas
Filipinas. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 589 | 10 | eP' | ZS | 22 | 45 | 53 |

Réplica del anterior.

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|------------|
| 590 | 11 | iP | ZS | 03 | 23 | 32 |
| | | | | | | compresión |

65²⁵ N - 168²¹ W; Ho=03-11-56,6;
(0.8-21); h=33 Kms.(R); Mag. 4.9
(CGS); Estrecho de Bering. (U.S.C.
G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 591 | 11 | Lr | ZL | 11 | 37 | 00 |

2² S - 141²² E; Ho=10-26-16,8;
(1.2-17); h=67 Kms.; Cerca y al norte
de la costa oeste de Nueva Guinea
(U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|-----|------|---------------|
| 592 | 11 | ePg | ZS | 12 | 14 | 31,5 |
| | | iSn | NS | | 14 | 53 |
| | | iSg | NS | | 15 | 07,5 |
| | | | | | | seg. micrones |
| | | iSg | NS | 0.9 | 0.07 | |

D=306 Kms.=2²⁷⁵

37²⁹ N - 2²⁵ W; Ho=12-13-45,5;
h=32 Kms.; Réplica. Próximo a
Huescar. (L.C.S.S. Madrid)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|------|------|---------------|
| 593 | 11 | eP" | ZL | 17 | 21 | 06 |
| | | iPP | ZL | | 23 | 26 |
| | | iPKS | ZL | | 24 | 31 |
| | | iSS | ZL | | 41 | 22 |
| | | iSSS | EL | | 45 | 24 |
| | | Lq | NL | | 57 | 30 |
| | | Lr | ZL | 18 | 04 | 00 |
| | | M | ZL | | 14 | 00 |
| | | | | | | seg. micrones |
| | | M | ZL | 23.0 | 2.33 | |

D=12.800 Kms.=115²²

2² S - 140²⁸ E; Ho=17-01-48,5;
(0.7-24); h=18 Kms.; Cerca de la
o (Continúa)

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

593 11 (Continuación)
costa N del Oeste de Nueva Guinea.
(U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|-----|-----|---------------|
| 594 | 11 | iPn | ZS | 22 | 50 | 55 |
| | | iPg | ZS | | 51 | 01,5 |
| | | | | | | compresión |
| | | i | NS | | 51 | 17 |
| | | (Sn) | NS | | 51 | 20 |
| | | iSg | NS | | 51 | 32,5 |
| | | | | | | seg. micrones |
| | | iSg | NS | 0.0 | 0.5 | |

D=262 Kms.=2²³⁵

37²⁸ N - 2²⁶ W; Ho=22-50-14;
h=33 Kms.; Mag. 4.3; Sentido grado
III en Calera (Granada) (L.C.S.S.
Madrid)

37²⁷ N - 2²⁶ W; Ho=22-50-18; Réplica.
Provincia de Granada. España.
(B.C.I.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 595 | 12 | eLr | ZL | 07 | 48 | 00 |

35² S - 111²⁸ W; Ho=06-43-51,5;
(1.1-14); h=33 Kms.(R); Mag. 4.7
(CGS); Región Isla de Pascua
(U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|-----|-----|---------------|
| 596 | 12 | iPn | ZS | 09 | 44 | 13,5 |
| | | | | | | compresión |
| | | iPg | ZS | | 44 | 25 |
| | | iSn | NS | | 44 | 42,5 |
| | | iSg | NS | | 44 | 49 |
| | | iSg | NS | | 44 | 55 |
| | | | | | | seg. micrones |
| | | iSg | NS | 0.8 | 0.1 | |

D=256 Kms.=2²³⁰

37²⁷ N - 2²⁶ W; Ho=09-43-41;
Provincia de Granada. España
(B.C.I.S.)

37²⁷ N - 2²⁵ W; Ho=09-43-35,5;
h=33 Kms.; Mag. 3.9; Réplica. Pró-
ximo a Huescar. Granada. (L.C.S.S.
Madrid).

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 597 | 12 | eP" | ZL | 11 | 09 | 15 |
| | | ePP | ZL | | 11 | 40 |
| | | iPKS | ZL | | 12 | 46 |
| | | iSS | ZL | | 29 | 32 |
| | | Lr | ZL | | 53 | 00 |

D=13.490 Kms.=121²⁴

2²¹ S - 141²¹ E; Ho=10-50-09,1;
(2.0-25); h=33 Kms.(R); Mag. 5.5
(CGS); Cerca y al N de la costa
oeste de Nueva Guinea (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|-------------------------------------|-----------|---|----------------------------|----|----|------|---|-----------|---|-------|------|----|------|
| 598 | 12 | eP ₁ iP ₁ ePP | ZS | 18 | 31 | 15 | 606 | 13 | (Continuación) | | | | |
| | | | | | | | | | eSKS | ZL | 22 | 58 | 16 |
| | | | | | | | | | ePPS | ZL | 23 | 10 | 22 |
| | | | | | | | | | iSSS | BL | 24 | 10 | |
| | | | | | | | | | Lq | BL | 39 | 30 | |
| | | | | | | | | | Lr | ZL | 50 | 00 | |
| | | | | | | | | | M | ZL | 24 | 03 | 00 |
| | | | | | | | | | seg. micrones | | | | |
| | | | | | | | | M | ZL | 27.0 | 1.33 | | |
| 599 | 12 | eiP | ZS | 20 | 51 | 38 | 2796 | S - 178°3 | W; Ho=22-31-53,5; (1.3-24); h=94 Kms.; Mag. 5.2 (CGS) Región Islas Kermadec. (U.S.C.G.S.) | | | | |
| Trazas. | | | | | | | 607 | 14 | eLr | ZL | 02 | 47 | 30 |
| 600 | 13 | eP eSS Lr | ZG NL ZL | 04 | 33 | 46 | 4828 | N - 128°4 | W; Ho=01-46-52,4; (1.1-8); h=53 Kms. (R); Región Islas Vancouver (U.S.C.G.S.) | | | | |
| 5396 | N - 172°1 | E; Ho=04-20-53,5; (0.7-41); h=33 Kms. (R) Mag. 5.1 (CGS); Cerca de las Islas Aleutianas (U.S.C.G.S.) | | | | | 608 | 14 | iP | ZS | 12 | 22 | 07,5 |
| 601 | 13 | Lr | ZL | 02 | 03 | 00 | Dilatación | | | | | | |
| 108 | N - 93° | E; Ho=08-23-45,6; (0.1-16); h=33 Kms. (R); Mag. 6.1 (CGS); Islas Andaman. (U.S.C.G.S.) | | | | | iPT | ZL | 23 | 26 | | | |
| 602 | 13 | Lr | ZL | 12 | 37 | 00 | ePcP | ZS | 24 | 44 | | | |
| 179 | S - 178° | E; Ho=13-14-26,5; (1.5-22); h=34 Kms.; Mag. 4.6 (CGS) Región Islas Kermadec. (U.S.C.G.S.) | | | | | iS | ZL | 27 | 24 | | | |
| 603 | 13 | iSg | NS | 12 | 18 | 29,5 | iS | NL | 27 | 32 | | | |
| Trazas. | | | | | | | i | ZL | 27 | 45 | | | |
| 604 | 13 | eiPg i eSn iSg iSg | ZS ES NS ES ES | 16 | 01 | 36,5 | H Modes | ZL | 29 | 00 | | | |
| 3797 | | | | | | | Lq | NL | 30 | 00 | | | |
| N - 2°3 | | | | | | | Lr | ZL | 32 | 00 | | | |
| W; Ho=16-00-48; h=33 | | | | | | | M | ZL | 36 | 00 | | | |
| Kms.; Mag. 4.0 Réplica. Próximo a | | | | | | | seg. micrones | | | | | | |
| Huescar. Granada. (E.C.S.S. Madrid) | | | | | | | M | ZL | 16.0 | 9.65 | | | |
| 605 | 13 | iP | ZS | 17 | 43 | 27,5 | D=3.810 Kms.=34°3 | | | | | | |
| 239 | | | | | | | 389 N - 3896 E; Ho=12-15-33; h=33 Kms.; Turquía oriental. Va- rios pueblos completamente destrui- dos. 1 muerto y 15 heridos graves. 500 heridos leves; grietas de un km. de longitud. Mag. 6.5 (Ksara) (6 Sthras) (B.C.I.S.) | | | | | | |
| N - 94° | | | | | | | 389 W - 3895 E; Ho=12-15-31,3; (0.6-40); h=8 Kms.; SE de Turquía 1 muerto, 15 heridos y grandes da- ños en Malatya y Adiyama. Grieta de 300 m. en Malatya. (U.S.C.G.S.) | | | | | | |
| E; Ho=17-35-57,8; | | | | | | | 609 | 14 | eiP | ZS | 12 | 44 | 35 |
| (0.9-27); h=61 Kms.; Mag. 5.3 (CGS) | | | | | | | Réplica. Enmascarada por el ante- rior. | | | | | | |
| Birma. (U.S.C.G.S.) | | | | | | | 3891 N - 3893 E; Ho=12-38-03,7; (1.1-15); h=31 Kms.; Mag. 5.2 (Ksara) 4.7 (CGS); Sur de Turquía. (U.S.C.G.S.) | | | | | | |
| 606 | 13 | eP ₁ eP ₂ ePP | ZL ZL ZL | 22 | 52 | 26 | 610 | 15 | iP | ZL | 00 | 18 | 56 |
| (Continúa) | | | | | | | Dilatación | | | | | | |
| | | | | | | | i | ZL | 21 | 42 | | | |
| | | | | | | | iPP | ZL | 22 | 44 | | | |
| | | | | | | | (Continúa) | | | | | | |

Núm. Fecha Fase Comp. H M S

610 15 (Continuación)
 e(PPP) ZL 00 25 32
 iSKS EL 29 38
 iS NL 30 14
 ePS EL 31 33
 iSS EL 36 44
 iSSS NL 39 24
 i NL 44 00
 i NL 44 56
 Lq NL 45 48
 Lr ZL 46 00
 M ZL 01 07 00
 seg. micrones
 M ZL 20.0 5.33

D=9.855 Kms.=88°7

5°4 N - 97° E; Ho=00-05-31; (1.2-44)
 h=33 Kms.; Mag. 5.5 (CGS); Norte
 de Sumatra. (U.S.C.G.S.)

611 15 ie(Pn) ZS, ES 17 48 15
 eSn ZS 49 40
 Lq NL 50 10
 seg. micrones
 eSn ZS 0.8 0.06

Trazas.

612 16 eiP ZS 04 15 03,5
 i(pp) ZS, ZL 15 08
 i(sp) ZS 15 19,5
 iPP ZL, ZS 19 05
 iPPP ZL 21 14
 iPa ZL 23 46
 iSKS NL, EG 25 50
 iS EL 26 26
 iPS ZL 27 47
 iSS NL 32 25
 iSSS EL 36 24
 i(Sa) ZL 37 25
 Lq NL, EL 40 20
 Lr ZL 46 00
 M ZL 48 00
 seg. micrones
 M ZL 66.0 380.0

D=10.810 Kms.=97°3; Mag. 7.66 (Tol)

38°3 N - 139°1 E; Ho=04-01-44,3;
 (0.5-22); h=57 Kms.; Cerca de la
 costa oeste de Honshu, Japón. 25
 muertos, muchos heridos y grandes
 daños en Niigata. Ksunami de 7 pies
 de largo de las áreas costeras.
 (U.S.C.G.S.)

613 16 iP ZS 07 06 28,5
 Dilatación

Enmascarado por el anterior.

38°7 N - 139° E; Ho=06-53-05;
 (Continúa)

Núm. Fecha Fase Comp. H M S

613 16 (Continuación)
 (0.6-57); h=15 Kms.(R); Mag. 5.6
 (CGS); Cerca de la costa oeste de
 Honshu, Japón. (U.S.C.G.S.)

614 16 iP ZS 07 28 21,5

Enmascarado.

38°5 N - 139°2 E; Ho=07-14-57,1;
 (0.6-58); h=16 Kms.; Mag. 5.9
 (CGS); Cerca de la costa oeste de
 Honshu, Japón. (U.S.C.G.S.)

615 16 Lr ZL 12 21 00

38°6 N - 138°8 E; Ho=07-14-05,6;
 (1.7-14); h=15 Kms.(R); Mag. 4.8
 (CGS); Cerca de la costa oeste de
 Honshu, Japón. (U.S.C.G.S.)

616 16 e NS 17 02 04
 i(Sg) ES 02 26
 seg. micrones
 i(Sg) ES 0.9 0.02

Muy débil.

617 17 eLr ZL 16 05 00

38°7 N - 139° E; Ho=15-10-44,3;
 (0.5-24); h=27 Kms.; Mag. 5.0 (CGS)
 Cerca de la costa oeste de Honshu.
 Japón. (U.S.C.G.S.)

618 18 eSn NS 11 27 12
 iSg NS 27 29
 seg. micrones
 iSg NS 0.5 0.09

37°5 N - 3°6 W; Ho=11-26-10;
 h=33 Kms.; Mag. 3.9; Próximo a
 Campotejar, Granada. (L.C.S.S.
 Madrid)

619 18 i(Pg) NS 17 23 44
 Compresión
 iSg NS 24 05
 M ZS 24 26
 seg. micrones
 M ZS 1.3 0.05

Trazas.

620 18 iP ZS 18 15 04,5
 (dilatación)
 ePP ZL 18 30
 eS ZL 25 24
 iPS ZL 27 10
 Lr ZL 48 00

(Continúa)

Núm. Fecha Fase Comp. H M S

620 18 (Continuación)

47°5 N - 154°9 E; Ho=18-01-47,6;
(0.7-43); h=33 Kms.(R); Mag. 5 (PAL)
5.3 (CGS); Islas Kuriles (U.S.C.G.S.)

621 18 ePP ZL 20 52 14
ePPP ZL 54 20
eSKS EL 58 28
eSS EL 21 06 44
Lr ZL 22 00

39°6 S - 74°7 W; Ho=20-33-53,3;
(1.1-30); h=26 Kms.; Mag. 5.3 (CGS)
Fuera de la costa Central de Chile.
(U.S.C.G.S.)

622 19 eP ZS 00 56 14
ePP ZS 56 56
Lr ZL 01 04 00

40°8 N - 32°8 E; Ho=00-50-23;
Turquía septentrional. Sentido en
Ankara, Caukiri. (B.C.I.S.)

40°7 N - 32°9 E; Ho=00-50-24,4;
(1.5-23); h=33 Kms.(R); Mag. 4.6
(CGS); Turquía (U.S.C.G.S.)

623 19 Lr ZL 10 51 00

38°8 N - 139°3 E; Ho=10-05-36,4;
(0.7-50); h=30 Kms.; Mag. 5 1/2
(BKK); 5.6 (CGS); Cerca de la costa
oeste de Honshu. Japón. Sentido en
Niigata, Japón. (U.S.C.G.S.)

624 19 iSg ES 12 56 15,5
seg. micrones
iSg ES 0.9 0.07

Explosión artificial.

625 20 ePg NS 12 57 30,5
eSn NS 57 59,5
iSg NS 58 00,5
seg. micrones
iSg NS 0.0 0.05

Mismo próximo.

626 20 Lr ZL 17 50 00

40°5 N - 142°2 E; Ho=16-59-09;
(0.8-25); h=35 Kms.; Mag. 4.9 (CGS)
Cerca de la costa norte de Honshu
Japón. (U.S.C.G.S.)

627 21 iP ZS 01 45 58
compresión
ipP ZS 46 16
eS ZL 56 45
ePS ZL 58 10

(Continúa)

Núm. Fecha Fase Comp. H M S

627 21 (Continuación)

Lr ZL 02 15 00

51°2 N - 157° E; Ho=01-33-11,2;
(0.9-38); h=51 Kms.; Mag. 5.7 (CGS)
Kamchatka. (U.S.C.G.S.)

628 21 e(Pg) ZS 02 44 47,5
iSg NS 45 17,5
M ZS 45 25
seg. micrones
M ZS 0.6 0.02

37°8 N - 3°6 W; Ho=02-44-05; h=33 Kms
Mag. 3.8; Próxima a Mancha Real,
Jaen (L.C.S.S. Madrid)

629 21 iP ZS 07 07 11,5
Compresión
ipP ZS 07 36

14°9 S - 73°3 W; Ho=06-54-46,2;
(0.6-16); h=80 Kms.; Mag. 5.0 (CGS)
Perú. (U.S.C.G.S.)

630 22 eP' ZS 00 36 25,5
iP' ZS 36 48,5
ePP ZL 40 25
i ZL 42 25
eSS NS 01 00 00
eSSS NL 05 00
Lr ZL 41 00

15°7 S - 172°8 W; Ho=00-16-27,4;
(1.6-24); h=33 Kms.(R); Mag. 5.1
(CGS); Islas Salomón. (U.S.C.G.S.)

631 22 iP' ZL 01 23 14
compresión
iP' ZL 23 36
iPP ZL 27 06
eSKS NS 30 10
eSKNS ZL 33 18
eSKNSP ZS 35 40
eSS NL 45 45
eSSS ZL 03 52 25
Lq PL 04 05 00
Lr ZL 14 00
M ZL 21 00
seg. micrones
M ZL 30.0 2.0

D=16.910 Kms.=152°2

10°4 S - 161°1 E; Ho=03-03-37,9;
(0.9-45); h=70 Kms.(R); Mag. 5.4
(CGS); Islas Salomón. (U.S.C.G.S.)

632 22 eP ZS 17 55 40
i ZS 55 47,5
Lr ZL 18 02 00

Trazas.

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|----------------|-------|----|----|----|
| 544 | 27 | (Continuación) | | | | |
| | | eSS | EL | 02 | 51 | 34 |
| | | Lq | NL | | 57 | 00 |
| | | Lr | ZL | | 59 | 00 |

Débil.

40°24' N - 77°5' E; Ho=02-28-57,1;
 (0.9-16); h=33 Kms.(R); Mag. 5.0
 (CGS); Provincia de Sinkiang. China
 (U.S.C.G.S.)

| | | | | | | |
|-----|----|------|-------|-----|---------------|------|
| 545 | 27 | eiPg | ZS | 02 | 47 | 43 |
| | | iSg | NS,ES | | 48 | 15,5 |
| | | | | | seg. micrones | |
| | | iSg | NS | 0.9 | 0.04 | |

Débil.

| | | | | | | |
|-----|----|-----------|----|------|---------------|----|
| 546 | 27 | eiP | ZS | 15 | 53 | 02 |
| | | ePcP | ZS | | 54 | 10 |
| | | ePP | ZL | | 55 | 10 |
| | | ePcS | EL | | 58 | 05 |
| | | eS | NL | 17 | 00 | 25 |
| | | iSS | EL | | 04 | 16 |
| | | ! H Modes | ZL | | 05 | 26 |
| | | Lq | EL | | 06 | 40 |
| | | Lr | ZL | | 09 | 30 |
| | | | | | seg. micrones | |
| | | Lq | EL | 28.0 | 2.0 | |

12°25' S - 13°8' W; Ho=16-43-47;
 (0.9-15); h=33 Kms.(R); Mag. 4.7
 (CGS); Región de la Isla Ascensión.
 (U.S.C.G.S.)

| | | | | | | |
|-----|----|------|-------|-----|---------------|------|
| 547 | 27 | eiPg | NS,ES | 16 | 58 | 12,5 |
| | | iSn | NS | | 58 | 30 |
| | | iSg | NS,ES | | 58 | 44 |
| | | | | | seg. micrones | |
| | | iSg | NS | 0.9 | 0.08 | |

D=272 Kms.=2°45'

37°28' N - 2°5' W; Ho=16-57-23; Répl-
 ca. Próximo a Huescar. Granada.
 (L.C.S.S. Madrid).

| | | | | | | |
|-----|----|-----|-------|-----|---------------|------|
| 548 | 28 | ePg | NS | 08 | 20 | 21 |
| | | iSg | NS,ES | | 20 | 54,5 |
| | | | | | seg. micrones | |
| | | iSg | NS | 0.6 | 0.03 | |

D=272 Kms.=2°45'

37°28' N - 2°5' W; Ho=08-19-31; Ré-
 plica. Próximo a Huescar. Granada.
 (L.C.S.S. Madrid)

| | | | | | | |
|-----|----|-------|-------|-----|---------------|----|
| 549 | 28 | ePg | NS,ZS | 08 | 39 | 30 |
| | | i(Sg) | ZS | | 40 | 30 |
| | | | | | seg. micrones | |
| | | i(Sg) | ZS | 0.8 | 0.01 | |

Débil.

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|------|
| 550 | 28 | ePg | ZS | 11 | 53 | 56,5 |
| | | eSg | NS | | 54 | 34 |

Trazas.

| | | | | | | |
|-----|----|--------|-------|-----|---------------|------|
| 551 | 28 | ieP" | ZS | 13 | 10 | 59,1 |
| | | | | | (Compresión) | |
| | | iPP | ZL,ZS | | 13 | 32 |
| | | iPKS | NL | | 14 | 36 |
| | | e(PPP) | ZL | | 16 | 32 |
| | | eSKS | NL | | 18 | 05 |
| | | iPS | ZL | | 23 | 40 |
| | | i | ZL | | 27 | 20 |
| | | iSS | EL | | 31 | 35 |
| | | eSSS | EL | | 35 | 40 |
| | | Lq | EL | | 47 | 00 |
| | | Lr | ZL | | 52 | 00 |
| | | | | | seg. micrones | |
| | | eiP" | ZS | 0.6 | 0.46 | |

D=14.800 Kms.=133°2'

1°7' S - 149°6' E; Ho=12-51-34,6;
 (1.3-45); h=7 Kms.; Mag. 5 3/4 - 6
 (BRT); 6.4 (CGS); Región de Nueva
 Irlanda. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|----|------------|----|
| 552 | 28 | iP' | ZS | 15 | 11 | 34 |
| | | | | | Dilatación | |

Enmascarado por el anterior.

13°2' S - 167°1' E; Ho=14-52-08,4;
 (0.6-23); h=215 Kms.; Mag. 5.4
 (CGS); Islas Nuevas Hébridas.
 (U.S.C.G.S.)

| | | | | | | |
|-----|----|------|----------|------|---------------|----|
| 553 | 28 | i | ZS | 15 | 24 | 39 |
| | | !iP* | ZS | | 24 | 40 |
| | | i | ZS | | 25 | 22 |
| | | iSn | ES | | 25 | 51 |
| | | i | ZS | | 26 | 03 |
| | | !iS* | ZS,NS,ES | | 26 | 09 |
| | | i | NS | | 26 | 29 |
| | | Lq | NL | | 26 | 45 |
| | | | | | seg. micrones | |
| | | iP* | ZS | 0.4 | 0.55 | |
| | | iS* | ZS | 0.5 | 0.31 | |
| | | i | NS | 0.8 | 0.68 | |
| | | Lq | NL | 24.0 | 2.0 | |

Las ondas más claras y fuertes pa-
 recen ser la P* y la S*, lo cual es
 algo extraño. Pudiera estar el
 hipocentro en la capa intermedia.

37° 1/4' N - 14° W; Ho=15-22-45;
 Oceano Atlántico, cerca de la cos-
 ta de Portugal. (B.C.I.S.)

| | | | | | | |
|-----|----|-----|----|----|----|----|
| 554 | 28 | ePg | NS | 17 | 09 | 50 |
| | | eSg | NS | | 10 | 22 |

Trazas.

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|----------------|---------------|------|------|----|
| 664 | 30 | (Continuación) | | | | |
| | | iSKKS | EL | 14 | 13 | 10 |
| | | i | NL | | 14 | 06 |
| | | i(PS) | ZS | | 15 | 39 |
| | | iPS | ZL | | 16 | 00 |
| | | i | EL | | 19 | 10 |
| | | iSS | NL | | 22 | 37 |
| | | iSSS | NL | | 26 | 00 |
| | | iSa | ZL | | 33 | 22 |
| | | Lq | NL | | 34 | 00 |
| | | Lr | ZL | | 40 | 40 |
| | | M | NL | | 42 | 00 |
| | | F | | 18 | 00 | 00 |
| | | | seg. micrones | | | |
| | | M | NL | 50.0 | 32.0 | |

D=12.965 Kms.=116°7

0°8 S - 122°5 E; Ho=13-46-21,6;
 (1.7-22); h=36 Kms.; Mag. 6.3 (CGS)
 Norte de las Célebes. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|------|
| 665 | 30 | eP | ZS | 16 | 00 | 47 |
| | | i | ZS | | 01 | 47,5 |
| | | Lq | EL | | 38 | 00 |
| | | Lr | ZL | | 46 | 00 |

Enmascarado por el anterior.
 44°7 N - 150°4 E; Ho=15-47-41,1
 (0.9-45); h=33 Kms.(R); Mag. 5.1 (CGS)
 Islas Kuriles (U.S.C.G.S.)

| | | | | | | |
|-----|----|-------|----|------------|----|----|
| 666 | 30 | iP | ZS | 20 | 20 | 45 |
| | | | | Dilatación | | |
| | | ipP | ZS | | 22 | 13 |
| | | ePP | ZL | | 24 | 24 |
| | | ePPP | ZL | | 26 | 16 |
| | | eS | NL | | 30 | 41 |
| | | i(PS) | EL | | 31 | 00 |
| | | i | ZL | | 34 | 33 |
| | | Lq | NL | | 43 | 30 |
| | | Lr | ZL | | 45 | 40 |

46°6 N - 144°6 E; Ho=20-08-28,5;
 (0.9-38); h=383 Kms.(R); Mag. 5.5
 (CGS); Mar de Okhotsk. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 667 | 30 | Lr | ZL | 23 | 00 | 00 |
|-----|----|----|----|----|----|----|

45°4 N - 143° E; Ho=22-03-12*;
 (1.3-5); h=367 Kms. Mag. 3.9 (CGS);
 Norte de Hokkaido. Japon. (U.S.C.G.S.)

Instituto Geográfico y Catastral

OBSERVATORIO CENTRAL GEOPISICO
 "ALFONSO REY PASTOR"
 TOLEDO

MOVIMIENTO MICROSISMICO

Mes de Junio de 1964.

N - S

E - W

| Día | O | | VI | | XII | | XVIII | | Car | | Car | | Car | | | | | |
|-----|----|----|----|----|-----|----|-------|----|-----|----|-----|----|-----|----|----|----|----|---|
| | T | A | T | A | T | A | T | A | T | A | T | A | | | | | | |
| 1 | 35 | 06 | 40 | 06 | 30 | 07 | 35 | 04 | 3 | 35 | 05 | 35 | 05 | 30 | 04 | 30 | 04 | 3 |
| 2 | 50 | 05 | 50 | 05 | 35 | 04 | 35 | 04 | 3 | 30 | 06 | 35 | 07 | 35 | 03 | 40 | 04 | 3 |
| 3 | 50 | 03 | 50 | 03 | 35 | 06 | 50 | 04 | 3 | 40 | 04 | 40 | 04 | 35 | 06 | 40 | 04 | 3 |
| 4 | 50 | 03 | 30 | 05 | 30 | 05 | 30 | 05 | 3 | 40 | 05 | 30 | 05 | 30 | 05 | 35 | 03 | 3 |
| 5 | 25 | 04 | 30 | 03 | 20 | 07 | 35 | 04 | 3 | 40 | 05 | 40 | 04 | 40 | 03 | 40 | 06 | 3 |
| 6 | 25 | 06 | 30 | 06 | 30 | 05 | 40 | 04 | 3 | 35 | 05 | 40 | 06 | 40 | 04 | 35 | 06 | 3 |
| 7 | 60 | 03 | 45 | 03 | 30 | 05 | 30 | 05 | 3 | 35 | 03 | 35 | 04 | 30 | 04 | 40 | 04 | 3 |
| 8 | 30 | 03 | 30 | 05 | 30 | 03 | 30 | 03 | 3 | 40 | 04 | 40 | 05 | 40 | 05 | 40 | 08 | 3 |
| 9 | 30 | 05 | 30 | 05 | 30 | 03 | 30 | 05 | 3 | 40 | 05 | 30 | 04 | 35 | 05 | 35 | 03 | 3 |
| 10 | 30 | 05 | 30 | 05 | 25 | 06 | 30 | 02 | 3 | 35 | 05 | 40 | 04 | 35 | 05 | 50 | 04 | 3 |
| 11 | 30 | 04 | 30 | 05 | 25 | 06 | 25 | 04 | 3 | 50 | 05 | 45 | 07 | 40 | 05 | 40 | 05 | 3 |
| 12 | 25 | 04 | 30 | 05 | 30 | 03 | 30 | 05 | 3 | 35 | 06 | 30 | 04 | 40 | 04 | 30 | 05 | 3 |
| 13 | 30 | 05 | 30 | 05 | 30 | 05 | 30 | 05 | 2 | 45 | 07 | 35 | 06 | 35 | 08 | 40 | 06 | 2 |
| 14 | 25 | 06 | 25 | 07 | 25 | 06 | 25 | 06 | 3 | 45 | 05 | 40 | 04 | 25 | 04 | 25 | 04 | 3 |
| 15 | 30 | 03 | 25 | 04 | 30 | 03 | 30 | 05 | 3 | 30 | 06 | 30 | 04 | 35 | 05 | 30 | 05 | 3 |
| 16 | 25 | 06 | 20 | 03 | 20 | 02 | 30 | 01 | 3 | 35 | 03 | .. | .. | 25 | 04 | 35 | 04 | 3 |
| 17 | 30 | 01 | 30 | 01 | .. | .. | .. | .. | 3 | 30 | 04 | 40 | 04 | 30 | 04 | 30 | 04 | 3 |
| 18 | .. | .. | .. | .. | .. | .. | .. | .. | - | 30 | 04 | 30 | 04 | 30 | 04 | 30 | 04 | 3 |
| 19 | .. | .. | .. | .. | .. | .. | 30 | 07 | - | 30 | 04 | 30 | 04 | 30 | 04 | 35 | 03 | 3 |
| 20 | 30 | 07 | 30 | 07 | 30 | 07 | 30 | 06 | 3 | 30 | 04 | 30 | 04 | 35 | 05 | 30 | 04 | 3 |
| 21 | 30 | 08 | 30 | 05 | 30 | 05 | 30 | 06 | 3 | 30 | 04 | 30 | 04 | 30 | 04 | 30 | 03 | 3 |
| 22 | 30 | 06 | 30 | 06 | 30 | 06 | 30 | 07 | 3 | 30 | 04 | 30 | 04 | 35 | 02 | 35 | 03 | 3 |
| 23 | 30 | 07 | 30 | 05 | 35 | 04 | 35 | 05 | 3 | 30 | 04 | 30 | 04 | 30 | 04 | 35 | 03 | 3 |
| 24 | 30 | 05 | 35 | 06 | 30 | 05 | 30 | 06 | 3 | 30 | 04 | 30 | 04 | 30 | 03 | 30 | 04 | 3 |
| 25 | 30 | 05 | 30 | 05 | 30 | 05 | 30 | 05 | 3 | 30 | 03 | 30 | 03 | 35 | 02 | 30 | 03 | 3 |
| 26 | 30 | 05 | 30 | 05 | 30 | 05 | 30 | 05 | 3 | 30 | 02 | 30 | 03 | 30 | 04 | 30 | 04 | 3 |
| 27 | 30 | 05 | 30 | 03 | 30 | 05 | 30 | 05 | 3 | 30 | 04 | 30 | 04 | 30 | 02 | 30 | 02 | 3 |
| 28 | 30 | 05 | 30 | 05 | 30 | 05 | 30 | 03 | 3 | 30 | 03 | 30 | 02 | 30 | 02 | 40 | 04 | 3 |
| 29 | 30 | 05 | 30 | 05 | 30 | 03 | 30 | 05 | 3 | 40 | 04 | 40 | 04 | 35 | 03 | 40 | 04 | 3 |
| 30 | 30 | 05 | 30 | 06 | 30 | 05 | 40 | 05 | 3 | 30 | 04 | 30 | 04 | 40 | 03 | 35 | 04 | 3 |

Los números de las columnas T representan décimas de segundo, y los números de las columnas A décimas de micron.

G. Payo
 Director.

Ana G. Menor

Instituto Geográfico y Catastral

 OBSERVATORIO CENTRAL GEOFISICO
 "ALFONSO REY PASTOR"
 DE TOLEDO (ESPAÑA)

Naturaleza del terreno: Mioceno Superior.

Coordenada de la Estación:

$$L = 39^{\circ}52'53''$$

$$M = 04^{\circ}02'55''$$

$$Z = 480,46 \text{ m.} \quad \text{MES DE JULIO DE 1964}$$

CONSTANTES DE LOS SISMOGRAFOS:

| Aparato | Masa Kg | Periodo T_0 | Rozamiento $\frac{r}{T_0^2}$ | Amplitud V | Amortg ^{ta} δ |
|-------------|------------|------------------|---------------------------------|---------------|----------------------------------|
| Wiechert ZT | 1200 | 3.3 | 0.284 | 2.200 | 5.2 |
| " ET | 1000 | 10.8 | 0.056 | 738 | 6.3 |
| " NT | 1000 | 12.0 | 0.238 | 768 | 9.6 |
| " EX | 800 | 8.7 | 0.771 | 346 | 3.9 |
| " NX | 800 | 7.5 | 0.096 | 488 | 4.4 |

| Aparato | Periodo péndulo T | Periodo Galv. T ₁ | Amortg ^{ta} μ^2 | Amplitud máxima A _m |
|-----------------|-------------------------|------------------------------------|---------------------------------|-----------------------------------|
| Sprengnether ZG | 1.70 | 1.70 | 0.38 | --- |
| " EG | 14.3 | 14.3 | 0.30 | 1.780 |
| " NG | 13.0 | 13.0 | -0.31 | 1.735 |

Equipos Standard.

 1º.-Sprengnether (Standard) de periodo largo, (Tp=30 s. Tg=100 s.)
 Sus componentes serán designadas por ZL, EL, NL.

 2º.-Benioff (Standard) de periodo corto (Tp=1.0 s. Tg=0,75 s.)
 Sus componentes serán designadas por ZS, ES, NS.

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|------|-------|------|-------|----|------|-----|
| 668 | 1 | eP | ZS | 03 | 00 | 33 | 669 | 1 | eP | ZS | 09 | 59 | 51 |
| | | ePP | ZL | | 04 | 06 | | | epP | ZS | 10 | 00 | 07 |
| | | iPS | ZL,NL | | 12 | 44 | | | ePP | ZL | | 03 | 40 |
| | | eSS | ZL | | 18 | 42 | | | ePPP | ZL | | 05 | 34 |
| | | eSSS | ZL | | 22 | 42 | | | e | ZL | | 10 | 36 |
| | | Lq | NL | | 32 | 00 | | | iPS | ZL | | 12 | 09 |
| | | Lr | ZL | | 36 | 00 | | | eSS | ZL | | 16 | 50 |
| | | | | | | | | | Lq | NL | | 36 | 00 |
| | | | | | | | | | Lr | ZL | | 44 | 00 |
| | | | | | | | | | M | ZL | | 45 | 00 |
| | | | | | | | | | M | ZL | | 20.0 | 1.7 |

 46°3 N - 146°9 E; Ho=02-47-33,9;
 (0.5-43); h=33 Kms. (R), Mag.
 5 (PAL); 5.4 (CGS); Islas Kuriles
 (U.S.C.G.S.)

 seg. micrones
 (Continúa)

Núm. Fecha Fase Comp. H M S
 669 1 (Continuación)
 45°2 N - 150°3 E; Ho=09-46-49,6;
 (1.1-33); h=75 Kms.; Mag. 5 - 5 1/4
 (PAL); 4.8 (CGS); Islas Kuriles
 (U.S.C.G.S.)

670 1 ePg ZS 12 02 43
 i(Sg) ES 03 06
 M ZS 03 20
 seg. micrones
 M ZS 1.2 0.03

Trazas.

671 1 eP ZS 13 43 49
 Lr ZL 14 24 00

Débil.

52°7 N - 168°2 W; Ho=13-31-06,2;
 (0.7-24); h=33 Kms.(R); Mag. 5.0
 (CGS); Islas de la Zorra. Aleutia-
 nas. (U.S.C.G.S.)

672 1 iP ZS 20 15 53,5
 dilatación
 eS EL 21 20
 Lr ZL 24 00

30°9 N - 41°5 W; Ho=20-09-31,2;
 (1.0-39); h=33 Kms.(R); Mag. 5.0
 (CGS); Océano Atlántico Norte.
 (U.S.C.G.S.)

673 1 iP ZS 20 33 06,5
 dilatación
 ipP ZS 33 42,5
 Lr ZL 21 09 00

17°1 S - 69°1 W; Ho=20-20-56,6;
 (0.7-24); h=147 Kms.(R); Mag. 5.1
 (CGS); Región Fronteriza Perú-Bo-
 livia. (U.S.C.G.S.)

674 1 iP ZS 23 01 40,5
 dilatación
 i ZS,ZL 02 04
 i(pP) ZS 02 18
 iS EL 11 58
 isS EL 12 35
 ePS ZL 13 13
 eSS EL 17 26
 eSSS EL 21 04
 Lr ZL 29 00

D=9.390 Kms.=83°6; h=60 Kms.

14°3 S - 73°1 W; Ho=22-49-23,4;
 (1.2-28); h=139 Kms.(R); Mag. 5
 1/4 (PAL); 5.2 (CGS); Sur del
 Perú. (U.S.C.G.S.)

Núm. Fecha Fase Comp. H M S
 675 2 iP ZS 01 30 43,5
 compresión
 i ZS 30 55
 i ZS 31 06
 i ZS 31 24
 ePP ZL 33 47
 eS EL 40 37
 ePS EL 41 30
 Lr ZL 55 00

D=8.620 Kms.=77°6

60°1 N - 146° W; Ho=01-19-02,7;
 (0.8-42); h=14 Kms.(R); Mag.
 5 1/4 (PAL); 5.1 (CGS); Réplica.
 Alaska. (U.S.C.G.S.)

676 2 eP ZG 06 47 51
 eS BG 58 25
 Lr ZL 07 17 00

53°4 N - 167°8 W; Ho=06-35-18*;
 (1.0-30); h=45 Kms.(R); Mag.
 4 3/4 - 5 (PAL), 4.8 (CGS); Is-
 las de la Zorra. Aleutianas.
 (U.S.C.G.S.)

677 2 Lr ZL 15 51 30

47°6 N - 128°7 W; Ho=15-09-13,5;
 (2.1-18); h=33 Kms.(R); Mag. 4.0
 (CGS); Fuera de la costa del Es-
 tado de Washington. (U.S.C.G.S.)

678 2 iP ZS 17 15 49
 dilatación
 ePP ZL 18 42
 iS EL 25 57
 ePS ZL 26 42
 eSS NL 31 12
 eSSS EL 34 54
 Lq EL 36 40
 iSa NL 37 10
 Lr ZL 40 30
 M ZL 46 00
 seg. micrones
 M ZL 20.0 1.3

D=9.065 Kms.=81°6

47°7 N - 128°3 W; Ho=17-03-42,4
 (1.4-38); h=33 Kms.(R); Mag.
 5 1/2 - 5 3/4 (PAL); 4.9 (CGS);
 Fuera de la costa del Estado de
 Washington. (U.S.C.G.S.)

679 2 iP ZS 17 29 46
 dilatación
 i ZS 29 50,5

(Continúa)

| <u>Núm.</u> | <u>Fecha</u> | <u>Fase</u> | <u>Comp.</u> | <u>H</u> | <u>M</u> | <u>S</u> | <u>Núm.</u> | <u>Fecha</u> | <u>Fase</u> | <u>Comp.</u> | <u>H</u> | <u>M</u> | <u>S</u> |
|--|--------------|---|--|----------|----------|---|---|--------------|------------------------------------|----------------------------------|----------|----------|---|
| 679 | 2 | | | | | | 685 | 4 | | | | | |
| Enmascarado por el anterior. 47°7 N - 128°8 W; Ho=17-17-34,4; (1.0-24); h=14 Kms.; Mag. 5 1/2 (PAL) 5.0 (CGS); Fuera de la cos- ta del Estado de Washington. (U.S.C.G.S.) | | | | | | | iPP ZS 11 09 51 ePPP ZL 12 28 Lr ZL 50 00 | | | | | | |
| 680 | 2 | e(Pg) eSG | ES ES | 19 | 21 | 59 | 11°7 N - 144°5 E; Ho=10-49-28,8; (0.5-30); h=33 Kms.; Mag. 6.0 (CGS); Islas Marianas. (U.S.C.G.S.) | | | | | | |
| Muy débil. | | | | | | | 686 | 4 | eiP ePP eS eSS i Lr | ZS ZL ZL NL ZS ZL | 11 | 16 | 03 16 30 19 31 20 10 21 14 22 00 |
| 681 | 3 | iP Lr | ZS ZL | 05 | 18 | 08,5 54 00 | 42° N - 23°5 E; Ho=11-11-20; Rho- dope. Bulgaria. Sentido VI en Raz- log. (B.C.I.S.) | | | | | | |
| 19°4 N - 104°3 W; Ho=05-05-33,8; (1.0-21); h=102 Kms.; Mag. 4 1/4 - 4 1/2 (PAL), 4.4 (CGS); Jalisco Méjico. (U.S.C.G.S.) | | | | | | | 42°2 N - 23°6 E; Ho=11-11-20; (1.0-12), h=10 Kms.; Mag. 4.7 (CGS); SW de Bulgaria. Sentido en Razlog. (U.S.C.G.S.) | | | | | | |
| 682 | 3 | iP | ZS | 19 | 27 | 10,5 compresión | 687 | 4 | iP ipP eS | ZS ZS NL | 12 | 26 | 12 26 36,5 36 10 |
| 11° N - 39°3 E; Ho=19-18-34; (0.8-9) h=60 Kms.; Mag. 5.0 (CGS) Centro de Etiopia. (U.S.C.G.S.) | | | | | | | 15°5 S - 72°5 W; Ho=12-13-56,9; (0.6-23); h=148 Kms.; Mag. 5.3 (CGS); Sur del Perú. (U.S.C.G.S.) | | | | | | |
| 683 | 3 | ePn i ep* e e eS* iSg M M | ZS ZS ES ZS ZS ZS NS, ES NS NS | 21 | 36 | 26 34 24 36 31,5 36 32,5 36 42 36 56 37 03 37 14 | 688 | 5 | eiP ePP iS eSS Lq | ZS ZL EL EL EL | 03 | 26 | 12,5 29 05 35 52 40 45 46 00 |
| D=261 Kms.=2°35 | | | | | | | D=8.445 Kms=76° | | | | | | |
| 37°9 N - 1°5 W; Ho=21-35-30,5; h=33 Kms.; Mag. 4.0. Sierra Espu- ña. (Murcia). Sentido Gredo IV en Pliego y Alhama, III-IV Lebrilla, III en Aledo y La Mota, II-III en Canteros, Totana y Campos, II Albullite. (L.C.S.S. Madrid). | | | | | | | 60°8 N - 144°9 W; Ho=03-14-33,3 (0.8-28); h=30 Kms.; Mag. 5 (PAL) 4.9 (CGS); Alaska. Réplica (U.S.C.G.S.) | | | | | | |
| 684 | 3 | eP | ZS | 23 | 27 | 46 | 689 | 5 | eiPP eSS L | ZS NL EL | 04 | 57 | 40 05 01 04 40 |
| Trazas. | | | | | | | 37° N - 20° E; Ho=04-53-10; h=33 Kms.; Mar Jónico. Al Oeste del Peloponeso. (B.C.I.S.) | | | | | | |
| 685 | 4 | iP" | ZS | 11 | 08 | 21 compresión | 690 5 Lr ZL 17 50 00 | | | | | | |
| (Continúa) | | | | | | | Trazas. | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|---------------------|----------------------|------|-------|---|--|-------|---|---|----|----|---|
| 697 | 6 | iISS iSa M | ZL NL ZL | 55.0 | 69,56 | | 703 | 7 | eP' Lr ² | ZS ZL | 16 | 48 | 47 00 |
| (Continuación) D=9.555 Kms.=86°; h=100 Kms. 18°3 N - 100°4 W; Ho=07-22-11,7; (0.8-34); h=100 Kms.; Mag. 6 3/4 - 7 (Pas); 6 3/4 - 7 (BRK); 7 1/4 - 7 1/2 (PAL), 6.3 (CGS); Guerrero Méjico. Más de 30 muertos, algunos heridos y daños considerables en Guerrero. (U.S.C.G.S.) | | | | | | | 11°2 S - 163°2 E; Ho=16-28-42,9; (1.4-18); h=13 Kms.; Mag. 5.1 (CGS); Región Islas Salomón. (U.S.C.G.S.) | | | | | | |
| 698 | 6 | iP i(pP) | ZS ZS | 10 | 23 | 25 dilatación | 704 | 7 | e(Pg) e e(Sg) e(Sg) | NS NS NS seg. micrones NS | 18 | 18 | 58 29 34 0.8 0.02 |
| 37°1 N - 71°4 E; Ho=10-13-45,2; (0.7-31); h=100 Kms.(R); Mag. 5.9 (CGS); Hindu Kush. (U.S.C.G.S.) | | | | | | | Trazas. 705 7 eP ZS 21 22 38 Trazas. 35°8 N - 73°4 E; Ho=21-12-33,6; (0.6-12); h=19 Kms.; Mag. 5.2 (CGS); Hindu Kush. (U.S.C.G.S.) | | | | | | |
| 699 | 6 | iP ipP ePP | ZS ZS ZL | 14 | 38 | 41,5 dilatación 39 58 40 40 | 706 | 8 | eP | ZS | 01 | 37 | 38,5 |
| 6°9 S - 129°6 E; Ho=14-19-46,3; (0.7-21); h=100 Kms.(R); Mag. 5.8 (CGS); Mar de Banda. (U.S.C.G.S.) | | | | | | | 34°9 N - 21°7 E; Ho=01-32-56,3; (1.1-7); h=18 Kms.; Mag. 4.3 (CGS) Al Este del Mar Mediterraneo. (U.S.C.G.S.) | | | | | | |
| 700 | 6 | eP' Lr M M | ZS ZL ZL ZL | 20 | 11 | 33 21 02 00 19 00 seg. micrones 22.0 0.06 | 707 | 8 | Lr | ZL | 03 | 00 | 00 |
| 21°2 S - 173°8 E; Ho=19-50-42,1; (1.1-26); h=22 Kms.; Mag. 4.8 (CGS); Región Islas Nuevas Hébridas (U.S.C.G.S.) | | | | | | | Trazas. 708 8 eP'' epP'' ePP eiSKS i Lq ZS ZS ZS ZL ZL NL 08 04 37 04 50 05 58 11 40 15 48 42 30 | | | | | | |
| 701 | 7 | eP' iP' ePP | ZS ZS ZL | 07 | 58 | 14 59 07 08 02 28 | 709 | 8 | i(P) difractada. i i iP' iPP iPKS iPPP iSKS iSKKS iPS i i | ZL ZL ZL ZS ZS,ZL ZL EL EL NL ZL ZS | 12 | 08 | 42 11 08 11 57 14 24 16 14 17 30 18 50 21 16 22 34 25 32 27 28 28 45 |
| Trazas. 23°6 S - 179°9 W; Ho=07-39-04,2; (0.6-30); h=462 Kms.; Mag. 5.5 (CGS); Región Islas Fidji (U.S.C. G.S.) | | | | | | | 3°2 N - 128°4 E; Ho=07-45-48,6; (1.3-16); h=50 Kms.(R); Mag. 5.5 (CGS); Estrecho de las Molucas. (U.S.C.G.S.) | | | | | | |
| 702 | 7 | eP Lr | ZS ZL | 13 | 57 | 08 14 24 00 | dilatación 16 14 17 30 18 50 21 16 22 34 25 32 27 28 28 45 (Continúa) | | | | | | |
| 43°4 N - 127°2 W; Ho=13-44-40* (1.2-17); h=7 Kms.; Mag. 5.7 (CGS) Fuera de la costa de Oregón. (U.S.C.G.S.) | | | | | | | | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|----------------|----|----|----|
| 709 | 8 | | (Continuación) | | | |
| | | i | ZL | 12 | 29 | 05 |
| | | iPPS | ZL | | 31 | 36 |
| | | iSS | NL | | 33 | 15 |
| | | isSS | NL | | 34 | 27 |
| | | iSSS | ZL | | 41 | 20 |
| | | iSa | ZL | | 47 | 55 |
| | | Lq | NL | | 48 | 30 |

D=14.055 Kms.= 126°5

5°5 S - 129°8 E; Ho=11-55-39*
(1.1-12); h=165 Kms.; Mag. 6.5
(CGS); Mar de Banda. (U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|---------------|-----|------|------|
| 710 | 8 | ep* | ZS | 22 | 30 | 31 |
| | | iPg | ZS | | 30 | 34,5 |
| | | eSn | ZS | | 30 | 55 |
| | | iSg | ZS | | 31 | 10 |
| | | M | ES | | 31 | 13 |
| | | | seg. micrones | | | |
| | | M | ES | 0.4 | 0.08 | |

D=306 Kms.=2°75

| | | | | | | |
|-----|---|----|----|----|----|----|
| 711 | 9 | Lq | NL | 06 | 44 | 00 |
|-----|---|----|----|----|----|----|

15°4 N - 119°8 E; Ho=05-47-09,2;
(1.5-28); h=53 Kms.; Mag. 5.5
(CGS); Cerca de la costa oeste de
Luzón. Islas Filipinas. Sentido
en Manila. (U.S.C.G.S.)

| | | | | | | |
|-----|---|--------|---------------|------|------|------|
| 712 | 9 | iP' | ZS | 11 | 42 | 05,5 |
| | | | compresión | | | |
| | | i | ZS | | 42 | 21 |
| | | eP' | ZS | | 42 | 53 |
| | | iPP | ZS,ZL | | 46 | 34 |
| | | iPPP | ZL | | 50 | 24 |
| | | eSKKKS | ZL | | 54 | 02 |
| | | iSKSP | NL | | 57 | 02 |
| | | i | NL | | 58 | 02 |
| | | iPPS | ZL | 12 | 00 | 09 |
| | | iSS | EL | | 06 | 56 |
| | | iSSS | EL | | 12 | 11 |
| | | Lq | EL | | 29 | 00 |
| | | Lr | ZL | | 38 | 00 |
| | | M | ZL | | 52 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 21.0 | 6.66 | |

D=17.890 Kms.=151°

23°3 S - 175°7 W; Ho=11-22-05,4;
(1.7-56); h=43 Kms.(R); Mag.
5 1/2 - 5 3/4 (BRK); 5.7 (CGS)
Islas Tonga. (U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|-----------|----|----|----|
| 713 | 9 | ePg | ZS | 12 | 03 | 35 |
| | | i | NS | | 03 | 42 |
| | | i | NS | | 03 | 54 |
| | | | (Contiúa) | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|----------------|----|----|----|
| 713 | 9 | | (Continuación) | | | |
| | | iSg | ZS | 12 | 04 | 08 |

| | | | | | | |
|-----|---|-----------|---------------|------|-------|----|
| 714 | 9 | iP' | ZS,ZL | 16 | 59 | 28 |
| | | | compresión | | | |
| | | !iP' | ZT | | 59 | 37 |
| | | i | ZS | | 59 | 41 |
| | | ipP' | ZS | | 59 | 54 |
| | | i | ZT | 17 | 00 | 39 |
| | | i | NT | | 01 | 15 |
| | | iPP | ZL | | 03 | 31 |
| | | ipPP | ZL | | 04 | 01 |
| | | iSKS | NL | | 07 | 16 |
| | | iPPP | ZL | | 08 | 14 |
| | | !i(SKKKS) | ZL,ZT | | 10 | 01 |
| | | i | ZT | | 12 | 00 |
| | | i | ZT | | 12 | 50 |
| | | iSKSP | ZL,NL | | 13 | 48 |
| | | iPPS | ZL | | 16 | 54 |
| | | i | ZL | | 18 | 50 |
| | | iSS | EL | | 23 | 10 |
| | | isSS | ZL | | 24 | 20 |
| | | isSSS | NL | | 29 | 02 |
| | | Lr | ZL | | 41 | 00 |
| | | M | ZL | | 56 | 00 |
| | | | seg. micrones | | | |
| | | ipP' | ZS | 1.1 | 1.30 | |
| | | iSS' | EL | 36.0 | 46,42 | |
| | | M | ZL | 40.0 | 57.61 | |

15°5 S - 167°6 E; Ho=16-39-49,3;
(1.1-64); h=121 Kms.; Mag. 7 1/2
(PAS); 7 1/2 - 7 3/4 (BRK); 6.5
(CGS); Islas Nuevas Hébridás.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|----|----|----|------|
| 715 | 9 | eiP | ZS | 18 | 58 | 12,5 |
|-----|---|-----|----|----|----|------|

49°4 N - 153°5 E; Ho=18-45-32,9;
(0.5-23); h=140 Kms.(R); Mag. 5.3
(CGS); Mar de Okhotsk. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 716 | 9 | Lr | ZL | 22 | 50 | 00 |
|-----|---|----|----|----|----|----|

44°2 N - 149°5 E; Ho=21-56-48,4;
(0.9-12); h=33 Kms. (R); Mag. 4.5
(CGS); Islas Kuriles. (U.S.C.G.S.)

| | | | | | | |
|-----|----|------|------------|----|----|----|
| 717 | 10 | iP | ZS | 01 | 25 | 50 |
| | | | compresión | | | |
| | | iPP | ZL | | 27 | 30 |
| | | iPcP | ZS | | 27 | 50 |
| | | iS | NL | | 32 | 10 |
| | | eSS | NL | | 35 | 24 |
| | | Lq | EL | | 35 | 30 |
| | | Lr | ZL | | 38 | 00 |

D=4.835Kms.=43°5

0°6 S - 19°8 W; Ho=01-17-53,3;
(1.1-12); h=33 Kms.(R); Mag. 4.5
(CGS); Oceano Atlántico Medio
(U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|------|
| 718 | 10 | eiP | ZS | 04 | 01 | 31,5 |
| | | Lr | ZL | 05 | 01 | 00 |

Trazas.

| | | | | | | |
|-----|----|-------|----|---------------|------|------|
| 719 | 10 | i(Pg) | ZS | 15 | 04 | 09,5 |
| | | | | Compresión | | |
| | | iSg | NS | 04 | 14,5 | |
| | | M | ZS | 04 | 16 | |
| | | | | seg. micrones | | |
| | | M | ZS | 0.4 | 0.08 | |

Sismo cortísimo.

| | | | | | | |
|-----|----|------|----|---------------|------|----|
| 720 | 10 | eiPg | NS | 17 | 01 | 33 |
| | | i | NS | 01 | 59 | |
| | | M | ZS | 02 | 16,5 | |
| | | | | seg. micrones | | |
| | | M | ZS | 1.2 | 0.02 | |

Muy débil.

| | | | | | | |
|-----|----|----|----|----|----|----|
| 721 | 11 | Lr | ZL | 02 | 55 | 00 |
|-----|----|----|----|----|----|----|

7°3 S - 148° E; Ho=01-36-16,3;
(1.4-15); h=58 Kms.; Mag. 5.1
(CGS); Cerca de la costa NE de
Nueva Guinea. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|------|----|
| 722 | 11 | eP | ZS | 09 | 56 | 05 |
| | | i | ZS | 56 | 13,5 | |
| | | Lr | ZL | 10 | 21 | 00 |

59°7 N - 146°1 W; Ho=09-44-18,7;
(0.6-40); h=33 Kms.(R); Mag. 5
(PAL); 5.3 (CGS); Réplica de Alas-
ka. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|------------|----|----|
| 723 | 11 | iP | ZS | 12 | 00 | 40 |
| | | | | dilatación | | |
| | | ePP | ZL | 02 | 31 | |
| | | e | ZL | 05 | 31 | |
| | | iS | NL | 07 | 22 | |
| | | eSS | ZL | 10 | 48 | |
| | | Lr | ZL | 13 | 20 | |

D=5.110 Kms.=46°

1° N - 29°3 W; Ho=11-52-25;
(1.1-27); h=33 Kms. (R); Mag. 4.9
(CGS); Oceano Atlántico Medio.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|---------------|------|----|
| 724 | 11 | eP | ZS | 17 | 50 | 39 |
| | | eSS | ZL | 56 | 14 | |
| | | Lq | NL | 56 | 00 | |
| | | Lr | ZL | 59 | 00 | |
| | | M | ZL | 18 | 00 | 00 |
| | | | | seg. micrones | | |
| | | M | ZL | 18.0 | 1.33 | |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|---|---|---|
| 724 | 11 | | | | | |

(Continuación)

66°4 N - 19°7 W; Ho=17-44-29,8;
(0.9-22); h=19 Kms.; Mag. 4.9
(CGS); Norte de Islandia.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|------|----|---------------|------|----|
| 725 | 11 | iP | ZS | 20 | 37 | 26 |
| | | | | compresión | | |
| | | i | ZS | 38 | 15,5 | |
| | | i | ZS | 38 | 24,5 | |
| | | ePP | NL | 40 | 28 | |
| | | iS | NL | 47 | 16 | |
| | | ePS | NL | 48 | 03 | |
| | | iSS | NL | 52 | 07 | |
| | | iSSS | NL | 55 | 47 | |
| | | Lq | EL | 57 | 00 | |
| | | Lr | ZL | 21 | 01 | 50 |
| | | M | ZL | 12 | 00 | |
| | | | | seg. micrones | | |
| | | M | ZL | 20.0 | 5.33 | |

D=8.665 Kms.=78°

59°7 N - 146°2 W; Ho=20-25-40,3;
(0.8-63); h=40 Kms.(R); Mag. 5
5 1/4 (BRK); 5 1/2 - 5 3/4 (PAL);
5.6 (CGS); Réplica de Alaska.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|----|----|----|
| 726 | 11 | eiP | ZS | 22 | 39 | 03 |
| | | Lr | ZL | 43 | 30 | |

41°7 N - 29°9 W; Ho=22-34-43,8;
(0.8-15); h=33 Kms.(R); Mag. 4.8
(CGS); Región Islas Azores.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 727 | 12 | eP | ZS | 00 | 59 | 21 |
| | | Lr | ZL | 01 | 20 | 00 |

Trazas.

| | | | | | | |
|-----|----|-----|----|---------------|-----|----|
| 728 | 12 | iP | ZS | 01 | 58 | 50 |
| | | | | dilatación | | |
| | | ePP | ZL | 02 | 02 | 45 |
| | | eS | NL | 09 | 27 | |
| | | iPS | EL | 10 | 00 | |
| | | eSS | NL | 16 | 40 | |
| | | Lq | NL | 26 | 00 | |
| | | Lr | ZL | 30 | 00 | |
| | | M | EL | 38 | 00 | |
| | | | | seg. micrones | | |
| | | M | EL | 22.0 | 4.0 | |

38°6 N - 139°2 E; Ho=01-45-25,6
(0.9-51); h=13 Kms. (R); Mag. 5
1/4 - 5 1/2 (PAL); 5.0 (CGS);
Sentido cerca de la costa oeste
de Honshu. Japón. (U.S.C.G.S.)

Núm. Fecha Fase Comp. H M S
729 12 Lr ZL 13 00 00

40°3 N - 126°1 W; Ho=12-18-19,1;
(1.3-13); h=33 Kms. (R); Mag. 4.7
(CGS); Cerca de la costa Norte de
California. (U.S.C.G.S.)

730 12 iP ZS 17 00 50
compresión

Trazas.

731 12 iP ZS 20 27 59,5
compresión
ipP ZL 28 32
i ZL 37 02
Lq NL 53 30

Débil.

732 12 eP ZS 23 40 08
eiPg ZS 40 11
iSg NS,ES 40 48
M ZS 40 52,5
Seg. micrones.
M ZS 0.9 0.03

Muy débil.

733 13 eP ZS 01 34 13

20°7 S - 178°7 W; Ho=01-14-33,5;
(0.9-24); h=575 Kms. Mag. 4.9
(CGS); Islas Fidji (U.S.C.G.S.)

734 13 iP ZS 11 10 54
dilatación
ipP ZS 11 21
ePP ZL 14 21
esS EL 21 46
Lr ZL 30 00

23°7 N - 94°7 E; Ho=10-58-47,7;
(0.5-37); h=117 Kms. Mag. 6.5
(CGS); Norte de Burma. (U.S.C.G.S.)

735 13 iP* ZS 12 26 04,5
iPg ZS 26 11,5
i NS 26 16,5
i ES 26 22
iSn NS 26 35
i ES 26 41
iS* ZS 26 43
iSg ZS,NS 26 55,5
M NS 27 03
seg. micrones
M NS 0.8 0.83

D=373 Kms.=3°35
37°1 N - 2° W; Ho=12-25-06;
h=33 Kms.; Mag. 4.7. Próximo a
(Continúa)

Núm. Fecha Fase Comp. H M S
735 13 (Continuación)

Turre (Almeria), Sentido grado V
en Turre; IV en Nijar, Carboneras,
Lucainena de las Torres, Sorbas;
III-IV en Rodalguilar, Rioja,
Agua Amarga. III en Pechina, Via-
tor, Huerca-Overa, Faro de Meso
Roldan; II-III en Tabernas; II
en cabo de Gata, Garrucha. (L.C.
S.S. Madrid).

36°7 N - 2°3 W; Ho=12-25-13.
(B.C.I.S.)

736 13 Lr ZL 12 35 00

42°5 N - 126°7 W; Ho=11-54-50,7;
(1.5-33); h=33 Kms. (R); Mag. 5.6
(CGS); Cerca de la costa de Ore-
gón. (U.S.C.G.S.)

737 13 eiP ZS 16 27 53,5
Lr ZL 34 00

53°7 N - 35°2 W; Ho=16-22-26*;
(0.9-10); h=33 Kms. (R); Mag. 4.3
(CGS); Oceano Atlántico Norte.
(U.S.C.G.S.)

738 13 iP ZS 21 10 21,5
dilatación
ePP ZL 12 04
iS NL 16 50
eSS EL 19 57
Lq NL 20 20
Lr ZL 22 00
seg. micrones
Lr ZL 25.0 2.33

D=4.920 Kms.=44°3

7°7 N - 34°7 W; Ho=01-02-33,3
(1.2-28); h=22 Kms. (R); Mag.
5.0; Oceano Atlántico Norte
(U.S.C.G.S.)

739 14 ePS ZL 00 09 28
Lq NL 28 00

48°3 S - 32° E; Ho=23-43-48*;
(0.7-8); h=33 Kms. (R); Región Is-
las del Príncipe Eduardo.
(U.S.C.G.S.)

740 14 eiP ZS 10 05 08
compresión
eS EL 13 14
ePS ZL 25 12
Lr ZL 31 40

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|---|---|---|---|
| 740 | 14 | | (Continuación) seg. micrones ZL 28.0 1.33 | | | |

D=6.620 Kms.=59°6

19° N - 66°5 W; Ho=09-55-24;
(0.7-46); h=46 Kms.; Mag. 4 1/4 -
4 1/2 (Pal); 4.8 (CGS); Sentido
en Puerto Rico. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 741 | 14 | eP | ZS | 12 | 59 | 53 |
| | | Lr | ZL | 13 | 30 | 00 |

41°8 N - 125°7 W; Ho=12-47-25,6;
(1.5-23); h=33 Kms. (R); Mag. 5.5
(CGS); Cerca de la costa N. de
California. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|------------|----|----|
| 742 | 14 | iP | ZS | 14 | 11 | 08 |
| | | | | dilatación | | |
| | | eS | ZL | 21 | 25 | |
| | | ePS | ZL | 23 | 24 | |
| | | Lr | ZL | 40 | 00 | |

53°3 N - 159°7 E; Ho=13-58-28,5;
(1.0-39); h=40 Kms.; Mag. 5.5
(CGS); Cerca de la costa E. de
Kamchatka. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|------------|----|----|
| 743 | 14 | iP | ZS | 23 | 10 | 57 |
| | | | | dilatación | | |
| | | eS | NL | 20 | 45 | |
| | | Lr | ZL | 35 | 00 | |

59°5 N - 144°8 W; Ho=22-59-09,2;
(0.6-35) h=20 Kms. (R); Mag. 4
1/2 - 4 3/4 (PAL); 5.1 (CGS);
Réplica Alaska. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 744 | 15 | Lr | ZL | 00 | 35 | 00 |
|-----|----|----|----|----|----|----|

34°3 S - 149°1 E; Ho=23-12-12,7;
(1.0-15); h=75 Kms.; Mag. 5.1
(CGS); Región Islas Kermadec.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|------------|----|----|
| 745 | 15 | iP | ZS | 07 | 38 | 49 |
| | | | | dilatación | | |
| | | Lr | ZL | 08 | 09 | 00 |

52°1 N - 170°6 W; Ho=07-26-01,4;
(1.1-53); h=30 Kms. (R); Mag. 4 3/4
- 5 (PAL), 5.6 (CGS); Islas Fox
Aleutianas. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-------|-----------------------------|----|-------|----|
| 746 | 15 | eiPn | ZG | 09 | 51 | 01 |
| | | (iP*) | ZS | 51 | 13,5) | |
| | | iPg | ZT | 51 | 18 | |
| | | (iSn) | NS | 52 | 19) | |
| | | iS* | ZT | 52 | 38 | |
| | | iSg | NG | 53 | 02 | |
| | | Lq | NG | 53 | 24 | |
| | | | seg. micrones (Continua) | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-----------------------------------|---|---|---|
| 746 | 15 | | (Continuación) Lq NG 20.0 5.00 | | | |

D=750 Kms.=6°75

35°5 N - 4°3 E; Ho=09-49-06;
h=33 Kms.; Mag. 4.9. Varias sacu-
didas sentidas en el departamento
de Setif, Msila, Bordj, Bou, Are-
ridj. Sentido en Bou Saada.
(L.C.S.S.Madrid.)

35°5 N - 4° 1/4 E. Ho=09-49-36;
h=33 Kms.; (BCIS).

| | | | | | | |
|-----|----|----|----|----|----|----|
| 747 | 16 | eP | ZS | 17 | 45 | 45 |
| | | Lr | ZL | 56 | 40 | |

36°1 N - 30°8 E; Ho=17-39-59,6;
(0.7-16); h=61 Kms.; Mag. 4.9
(CGS); Cerca de la costa SW de
Turquia (U.S.C.G.S.)

| | | | | | | |
|-----|----|----------|---------------|------------|-------|----|
| 748 | 17 | iP | ZS | 02 | 39 | 04 |
| | | | | dilatación | | |
| | | ipP | ZS | 39 | 22 | |
| | | iPP | ZL | 39 | 32 | |
| | | iPPP | ZL | 39 | 58 | |
| | | i | ZL | 41 | 56 | |
| | | iS | NL | 42 | 51 | |
| | | iSS | ZL | 43 | 40 | |
| | | iPcP | ZS | 43 | 54,5 | |
| | | Li | EG | 44 | 00 | |
| | | Lq | NL | 44 | 07 | |
| | | Lr | ZL | 44 | 20 | |
| | | Lg1 | EG | 45 | 10 | |
| | | i(PoS)ZS | | 46 | 22,5 | |
| | | Lg2 | EG | 46 | 24 | |
| | | iScS | NS,RS | 50 | 08 | |
| | | | seg. micrones | | | |
| | | Lq | NL | 26.0 | 28.66 | |

D=2 335 Kms.=21°

38°2 N - 23°7 E; Ho=02-34-26,9;
(0.7-31); h=150 Kms.; Mag. 5 1/2
- 5 3/4 (BRK); 5.4 (CGS); Sentido
al Sur de Grecia. (U.S.C.G.S.)

38° N - 23°5 E; Ho=02-34-26;
h=160 Kms.; Punta N de la Isla
de Salónica a 20 Kms. al E de
Atenas. (B.C.I.S.)

| | | | | | | |
|-----|----|-----|---------------|------------|-----|----|
| 749 | 17 | iP | ZS | 04 | 54 | 00 |
| | | | | compresión | | |
| | | e | ZL | 56 | 25 | |
| | | ePP | ZL | 57 | 36 | |
| | | eS | EL | 05 | 04 | 36 |
| | | Lr | ZL | 25 | 00 | |
| | | M | ZL | 40 | 00 | |
| | | | seg. micrones | | | |
| | | M | ZL | 20.0 | 1.0 | |
| | | | (Continúa) | | | |

Núm. Fecha Fase Comp. H M S
 749 17 (Continuación)
 49°3 N - 158°6 E; Ho=04-41-05,1;
 (0.7-27); h=50 Kms.(R); Mag. 4 3/4
 (BRK); 5.4 (CGS); Islas Kuriles.
 (U.S.C.G.S.)

| | | | | |
|-----|----|-----|---------------|----------|
| 750 | 17 | ePg | ZS | 05 52 50 |
| | | iSg | NS | 53 28 |
| | | | seg. micrones | |
| | | iSg | NS | 0.8 0.04 |

Muy débil.

| | | | | |
|-----|----|-----|----|----------|
| 751 | 17 | eiP | ZL | 23 07 52 |
| | | Lr | ZL | 43 00 |

44°6 N - 149°2 E; Ho=22-54-42,2;
 (1.1-26); h=33 Kms.(R); Mag. 5
 (PAL), 5.4 (CGS), Islas Kuriles.
 (U.S.C.G.S.)

| | | | | |
|-----|----|-----|------------|----------|
| 752 | 18 | iP | ZS | 03 45 25 |
| | | | dilatación | |
| | | ipP | ZS | 45 43 |
| | | iPP | ZS | 46 04 |
| | | i | ZL | 46 44 |
| | | iS | EL | 49 34 |
| | | i | ZL | 49 46 |
| | | Lr | ZL | 52 30 |

D=2.620 Kms.=23°6

36°3 N - 26°1 E; Ho=03-40-21,5;
 (0.8-28); h=115 Kms.; Mag. 4.9
 (CGS); Islas del Dodecaneso.
 (U.S.C.G.S.)

| | | | | |
|-----|----|----|------------|------------|
| 753 | 18 | iP | ZS | 11 25 50,5 |
| | | | dilatación | |
| | | Lr | ZL | 57 00 |

18°4 S - 70°9 W; Ho=11-13-14,2;
 (1.1-14); h=40 Kms.; Mag. 4.8
 (CGS); Cerca de la costa N. de
 Chile. (U.S.C.G.S.)

| | | | | |
|-----|----|-----|----|----------|
| 754 | 18 | eP" | ZS | 13 04 26 |
| | | ePP | ZL | 05 41 |
| | | eSS | ZL | 21 46 |
| | | Lr | ZL | 48 00 |

0°2 N - 123°5 E; Ho=12-45-47,7;
 (0.5-29); h=97 Kms.; Mag. 5.8
 (CGS); Norte de las Islas Céle-
 bes. (U.S.C.G.S.)

| | | | | |
|-----|----|----|------------|----------|
| 755 | 18 | iP | ZS | 23 48 02 |
| | | | dilatación | |
| | | Lq | EL | 00 10 00 |
| | | Lr | ZL | 14 00 |

(Continúa)

Núm. Fecha Fase Comp. H M S
 755 18 (Continuación)
 60° N - 143°4 W; Ho=23-36-21;
 (0.6-24); h=33 Kms.(R); Mag. 4.9
 (CGS); Alaska. Réplica. (U.S.C.G.S.)

| | | | | |
|-----|----|-----|---------------|-----------|
| 756 | 19 | ePg | ZS | 02 08 05 |
| | | iSg | NS | 08 46,5 |
| | | | seg. micrones | |
| | | iSg | NS | 0.7 0.003 |

37°2 N - 5°5 W; Ho=02-07-07;
 h=33 Kms.; Mag. 3.0; Próximo a
 Morón de la Frontera. (Sevilla)
 (L.C.S.S Madrid).

| | | | | |
|-----|----|-----|----|------------|
| 757 | 19 | ieP | ZS | 06 09 42,5 |
| | | L | ZL | 35 00 |

49°9 N - 78°1 E; Ho=05-59-58,9;
 (0.8-35); h=0 Kms.(R); Mag. 5.5
 (CGS); Kazakh, URSS. (U.S.C.G.S.)

| | | | | |
|-----|----|------|----|----------|
| 758 | 19 | ieP' | ZS | 07 09 55 |
| | | iP' | ZS | 10 07 |

13°8 S - 167° E; Ho=06-50-22,3;
 (0.6-19); h=232 Kms.; Mag. 4.6
 (CGS); Islas Nuevas Hébridias.
 (U.S.C.G.S.)

| | | | | |
|-----|----|-------|----|------------|
| 759 | 19 | eP' | ZS | 14 00 17,5 |
| | | e(PP) | ZL | 04 12 |
| | | Lr | ZL | 52 00 |

15°1 S - 173°4 W; Ho=13-40-06,6;
 (0.9-15); h=33 Kms.; (R); Mag. 4.7
 (CGS); Región Islas Tonga.
 (U.S.C.G.S.)

| | | | | |
|-----|----|----|----|----------|
| 760 | 19 | Lr | ZL | 19 20 00 |
|-----|----|----|----|----------|

7°5 N - 121°8 E; Ho=18-10-48,2;
 (1.5-15); h=51 Kms.; Mindanao.
 Islas Filipinas. (U.S.C.G.S.)

| | | | | |
|-----|----|----|----|----------|
| 761 | 20 | Lr | ZL | 10 48 00 |
|-----|----|----|----|----------|

64°5 S - 176°7 E; Ho=09-34-22*
 (0.9-6); h=33 Kms. (R); Sur Ocea-
 no Pacífico. (U.S.C.G.S.)

| | | | | |
|-----|----|------|----|----------|
| 762 | 20 | eSKS | NL | 19 12 26 |
| | | eS | EL | 13 24 |
| | | eSS | NL | 19 16 |
| | | L | NL | 26 00 |

19°8 N - 109° W; Ho=18-49-43,5;
 (1.2-32); h=33 Kms.(R); Mag. 4 1/2 -
 4 3/4 (BRK); 5 (PAL), 5.1 (CGS)
 Región Islas Revillafigedo.
 (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 763 | 20 | eP | ZL | 23 | 03 | 25 |
| | | ePP | ZL | | 08 | 25 |
| | | e | NL | | 20 | 05 |
| | | eSS | NL | | 29 | 54 |
| | | L | NL | 00 | 10 | 00 |

35°5 S - 179°7 E; Hc=22-43-15*;
(0.8-13); h=223 Kms.; Mag. 4.9
(CGS); Fuera y al norte de la
Isla Norte de Nueva Zelanda.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|------|---------------|------|------|----|
| 764 | 21 | eP | ZL | 01 | 22 | 14 |
| | | ePP | ZL | | 25 | 45 |
| | | iS | NL,EL | | 33 | 03 |
| | | ePS | EL | | 34 | 10 |
| | | iSS | NL | | 39 | 00 |
| | | eSSS | NL | | 42 | 24 |
| | | Lq | NL | | 45 | 30 |
| | | i | ZL | | 46 | 00 |
| | | Lr | ZL | | 49 | 30 |
| | | M | ZL | | 52 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 45.0 | 2.59 | |

D=10.035 Kms.; = 90°3
19°8 N - 108°8 W; Hc=01-09-25,8;
(1.5-19); h=31 Kms.; Mag. 4 3/4 -
5 (BRK) 4.9 (CGS); Fuera de la
costa de Jalisco. México.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|-------|---------------|------|------|----|
| 765 | 21 | eiP' | ZL | 01 | 08 | 40 |
| | | eP' | ZL | | 09 | 35 |
| | | ipB' | ZL | | 10 | 46 |
| | | iPP | ZL | | 13 | 25 |
| | | epFP | ZL | | 14 | 15 |
| | | eSKKS | NL | | 19 | 32 |
| | | i | ZL | | 21 | 42 |
| | | iPPS | ZL | | 26 | 42 |
| | | iSS | EL | | 33 | 00 |
| | | iSSS | EL | | 39 | 28 |
| | | Lq | EL | 05 | 24 | 00 |
| | | | seg. micrones | | | |
| | | Lq | EL | 10.0 | 7.44 | |

D=13.310 Kms. = 101°2

26° S - 178° W; Hc=01-48-59,1;
(1.1-41); h=222 Kms. (R); Mag. 6 1/2
(PAS); 5 1/4 - 5 1/2 (BRK); 5.8
(CGS); Región Islas Filipi.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 766 | 21 | Lr | ZL | 07 | 38 | 00 |
|-----|----|----|----|----|----|----|

13°1 N - 88°4 W; Hc=07-01-59,3;
(1.1-30); h=68 Kms. (P); Mag. 4.7
(CGS); Cerca de la costa de El
Salvador. Sentido en EL Salvador.
(U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 767 | 21 | Lr | ZL | 10 | 28 | 00 |

72°1 N - 130°2 E; Hc=09-56-16,6;
(0.9-52); h=33 Kms. (R); Mag. 5.4
(CGS); Mar Laptev (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|---------------|------|------|----|
| 768 | 21 | e | ZL | 13 | 41 | 24 |
| | | Lq | NL | 14 | 02 | 00 |
| | | Lr | ZL | | 08 | 00 |
| | | | seg. micrones | | | |
| | | Lq | NL | 60.0 | 1.36 | |

11°5 N - 121°9 E; Hc=13-13-00,2;
(0.8-34); h=34 Kms.; Islas Filipi-
nas. Sentido en Panay. (U.S.C.G.S.)

| | | | | | | |
|-----|----|--------|-------|----|----|----|
| 769 | 21 | eiP' | ZS | 21 | 21 | 05 |
| | | iP' | ZS | | 21 | 14 |
| | | ePP | ZS,ZL | | 24 | 15 |
| | | i(pPP) | ZS | | 24 | 45 |
| | | i | ZS | | 24 | 55 |
| | | eSKS | ZL | | 27 | 32 |

4°6 S - 153°3 E; Hc=21-01-49,5;
(1.5-34); h=60 Kms.; Mag. 4.9
(CGS); Región Nueva Bretaña.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|------|---------------|------|------|----|
| 770 | 24 | iP | ZG | 07 | 03 | 57 |
| | | | dilatación | | | |
| | | iPP | NG | | 07 | 35 |
| | | iSKS | EG | | 14 | 29 |
| | | iS | NG | | 14 | 37 |
| | | iPS | NG | | 16 | 11 |
| | | i | NG | | 16 | 59 |
| | | iPFC | NG | | 17 | 19 |
| | | eSS | EG | | 20 | 31 |
| | | i | NG | | 27 | 20 |
| | | Lr | EG | | 38 | 04 |
| | | M | EG | | 41 | 56 |
| | | | seg. micrones | | | |
| | | M | EG | 22.0 | 5.00 | |

D=12.300 Kms. = 110°7
46° N - 153° E; Hc=06-50-52,8;
(1.5-85); h=33 Kms. (R); Mag. 6
(PAS); 5 (BRK); 5.9 (CGS); Islas
Kuriles (U.S.C.G.S.)

| | | | | | | |
|-----|----|------|------------|----|----|----|
| 771 | 24 | iP | ZG | 08 | 25 | 43 |
| | | | compresión | | | |
| | | iPP | NG | | 29 | 17 |
| | | iPPP | EG | | 31 | 05 |
| | | i | EG | | 31 | 58 |
| | | i | NG | | 33 | 03 |
| | | iSKS | NG,EG | | 36 | 20 |
| | | iS | NG | | 36 | 26 |
| | | iPS | EG | | 37 | 21 |
| | | iPPS | EG | | 38 | 58 |
| | | iSa | EG | | 57 | 36 |

(Continúa)

Instituto Geográfico y Catastral

OBSERVATORIO CENTRAL GEOPISICO
"ALFONSO REY PASTOR"
TOLEDO

MOVIMIENTO MICROSISMICO

Mes de Julio de 1964.

N - S

E - W

| Día | O | | VI | | XII | | XVIII | | Car | O | | VI | | XII | | XVIII | | Car |
|-----|----|----|----|----|-----|----|-------|----|-----|----|----|----|----|-----|----|-------|----|-----|
| | T | A | T | A | T | A | T | A | | T | A | T | A | T | A | T | A | |
| 1 | 35 | 07 | 30 | 07 | 35 | 05 | 35 | 04 | 2 | 30 | 04 | 30 | 05 | 35 | 03 | 30 | 04 | 2 |
| 2 | 40 | 06 | 35 | 05 | 35 | 04 | 35 | 04 | 3 | 35 | 03 | 35 | 03 | 30 | 03 | 30 | 03 | 3 |
| 3 | 35 | 05 | 30 | 05 | 35 | 04 | 35 | 04 | 3 | 30 | 03 | 30 | 04 | 30 | 03 | 30 | 03 | 3 |
| 4 | 30 | 05 | 40 | 03 | 40 | 03 | 30 | 03 | 3 | 30 | 04 | 25 | 03 | 20 | 03 | 30 | 03 | 3 |
| 5 | 30 | 05 | 30 | 05 | 30 | 05 | 30 | 06 | 3 | 30 | 04 | 30 | 03 | 30 | 03 | 30 | 04 | 3 |
| 6 | 30 | 05 | 30 | 05 | 30 | 05 | 30 | 05 | 3 | 30 | 04 | 30 | 04 | 30 | 03 | 30 | 03 | 3 |
| 7 | 30 | 06 | 30 | 05 | 30 | 05 | 50 | 05 | 3 | 30 | 04 | 30 | 04 | 30 | 05 | 40 | 03 | 3 |
| 8 | 55 | 07 | 50 | 05 | 45 | 08 | 50 | 07 | 2 | 40 | 04 | 50 | 04 | 35 | 05 | 30 | 04 | 2 |
| 9 | 40 | 05 | 50 | 07 | 40 | 10 | .. | .. | 2 | 40 | 04 | 50 | 05 | 40 | 05 | .. | .. | 2 |
| 10 | 50 | 07 | 50 | 09 | 40 | 06 | 50 | 07 | 2 | 50 | 06 | 35 | 06 | 40 | 06 | 35 | 06 | 2 |
| 11 | 40 | 06 | 40 | 06 | 45 | 07 | 40 | 05 | 2 | 35 | 06 | 30 | 06 | 40 | 05 | 30 | 05 | 2 |
| 12 | 35 | 07 | 40 | 05 | 40 | 06 | 40 | 06 | 3 | 30 | 05 | 30 | 04 | 30 | 04 | 40 | 04 | 3 |
| 13 | 40 | 05 | 40 | 05 | 40 | 06 | 35 | 04 | 3 | 35 | 06 | 40 | 04 | 35 | 03 | 30 | 04 | 3 |
| 14 | 40 | 05 | 35 | 04 | 30 | 05 | 40 | 04 | 3 | 40 | 03 | 30 | 03 | 40 | 04 | 40 | 03 | 3 |
| 15 | 40 | 04 | 40 | 05 | 40 | 05 | 35 | 06 | 3 | 25 | 04 | 45 | 04 | 40 | 03 | 35 | 03 | 3 |
| 16 | 30 | 03 | 40 | 05 | 40 | 04 | 40 | 04 | 3 | 30 | 03 | 35 | 03 | 50 | 03 | 50 | 04 | 3 |
| 17 | 30 | 07 | 40 | 06 | 45 | 04 | 40 | 04 | 3 | 40 | 04 | 30 | 05 | 30 | 04 | 35 | 03 | 3 |
| 18 | 35 | 04 | 30 | 06 | 35 | 04 | 30 | 05 | 3 | 40 | 04 | 35 | 03 | 30 | 04 | 30 | 03 | 3 |
| 19 | 35 | 04 | 35 | 04 | 35 | 04 | 35 | 04 | 3 | 30 | 04 | 35 | 03 | 30 | 03 | 30 | 03 | 3 |
| 20 | 30 | 04 | 30 | 05 | 30 | 03 | 35 | 03 | 3 | 35 | 03 | 30 | 04 | 30 | 04 | 30 | 03 | 3 |
| 21 | 30 | 03 | .. | .. | 40 | 03 | 50 | 02 | 3 | 35 | 03 | .. | .. | 30 | 03 | 45 | 02 | 3 |
| 22 | .. | .. | .. | .. | 40 | 03 | 30 | 05 | 3 | .. | .. | .. | .. | 40 | 03 | 40 | 04 | 3 |
| 23 | 35 | 04 | .. | .. | 40 | 05 | 40 | 04 | 3 | 40 | 03 | .. | .. | 35 | 03 | 30 | 04 | 3 |
| 24 | 40 | 04 | 35 | 04 | 30 | 05 | .. | .. | 3 | 35 | 04 | 30 | 04 | 30 | 04 | .. | .. | 3 |
| 25 | 35 | 03 | 30 | 05 | 40 | 03 | 30 | 03 | 3 | 30 | 04 | 30 | 03 | 35 | 04 | 30 | 03 | 3 |
| 26 | 35 | 04 | 30 | 03 | 40 | 03 | 35 | 03 | 3 | 30 | 03 | 30 | 02 | 40 | 03 | 40 | 02 | 3 |
| 27 | 40 | 03 | 35 | 03 | 30 | 04 | 35 | 04 | 3 | 35 | 03 | 30 | 03 | 35 | 03 | 35 | 03 | 3 |
| 28 | 40 | 04 | 35 | 04 | 35 | 04 | 35 | 04 | 3 | 35 | 03 | 30 | 04 | 30 | 04 | 30 | 04 | 3 |
| 29 | 45 | 06 | 50 | 05 | 50 | 05 | 50 | 06 | 2 | 45 | 04 | 40 | 04 | 50 | 04 | 50 | 05 | 2 |
| 30 | 45 | 08 | 40 | 06 | 40 | 05 | 45 | 05 | 3 | 45 | 04 | 35 | 05 | 35 | 03 | 30 | 04 | 3 |
| 31 | 40 | 05 | 35 | 04 | 40 | 05 | 35 | 04 | 3 | 40 | 04 | 30 | 03 | 35 | 04 | 35 | 04 | 3 |

Los números de las columnas T representan décimas de segundo,
y los números de las columnas A décimas de micron.

G. Payo
Director.

Ana M^a. G.-Menor.

Instituto Geográfico y Catastral

 OBSERVATORIO CENTRAL GEOFISICO
 "ALFONSO REY PASTOR"
 DE TOLEDO (ESPAÑA)

Naturaleza del terreno: Mioceno Superior.

Coordenada de la Estación:

L = 09°52'53"

M = 04°02'55"

Z = 480,46 m.

MES DE AGOSTO DE 1964

CONSTANTES DE LOS SISMOGRAFOS:

| Aparato | Masa Kg | Periodo T_0 | Rozamiento $\frac{r}{T_0^2}$ | Amplitud V | Amortgto δ |
|-------------|------------|------------------|---------------------------------|---------------|----------------------|
| Wiechert ZT | 1200 | 3.4 | 0.311 | 2.300 | 5.35 |
| " ET | 1000 | 10.5 | 0.057 | 861 | 5.1 |
| " NT | 1000 | 11.2 | 0.039 | 896 | 5.3 |
| " EX | 800 | 8.7 | 0.017 | 264 | 3.9 |
| " NX | 800 | 7.5 | 0.063 | 346 | 3.4 |

| Aparato | Periodo péndulo T | Periodo Galv. T_1 | Amortgto μ^2 | Amplitud máx. A_m |
|-----------------|---------------------------|---------------------------|---------------------|------------------------|
| Sprengnether ZG | 1.70 | 1.70 | 0.38 | -- |
| " EG | 14.3 | 14.3 | 0.30 | 1.780 |
| " NG | 13.0 | 13.0 | -0.31 | 1.735 |

Equipos Standard.

- 1.- Sprengnether (Standard) de periodo largo, ($T_p=30$ s. $T_g=100$ s.)
Sus componentes serán designadas por ZL, EL, NL.
- 2.- Beniof (Standard) de periodo corto ($T_p=1.0$ s. $T_g=0,75$ s.)
Sus componentes serán designadas por ZS, ES, NS.

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|-------------------------------|-------|------|-------|----|----|----|------|-------|-------|-------|-----|------|----|
| (Corresponde al mes de Julio) | | | | | | | 781 | 3 | iPg | ZG | 00 | 46 | 13 |
| 780 | 31 | iP | ZG | 23 | 54 | 35 | | | e(Sg) | ZG | | 47 | 50 |
| | | e | NG | | 57 | 35 | | | e(Sg) | ZG | 0.6 | 0.06 | |
| | | eS | NG | 00 | 01 | 40 | | | | | | | |
| | | eSS | NG | 03 | 57 | | | | | | | | |
| | | Lr | NG | 25 | 37 | | 782 | 3 | iP | ZG | 01 | 58 | 34 |
| | | | | | | | | | | | | | |
| | | | | | | | | | eS | NG | 02 | 06 | 52 |
| | | | | | | | | | eSSS | NG | | 13 | 43 |
| | | | | | | | | | Lq | NG | | 15 | 37 |
| | | | | | | | | | Lr | EG | | 18 | 57 |

 86°3 N - 40°5 E; Ho=23-45-55,2;
 (1.1-18); h=10 Kms. Mag. 4 3/4 -
 5 (BRK); 5.3 (CGS); Oceano Arti-
 co. (U.S.C.G.S.)

(Continúa)

Núm. Fecha Fase Comp. H M S

782 3 (Continuación)

19°8 N - 70°7 W; Ho=01-48-23,3;
(1.0-52); h=7 Kms.; Mag. 5 (PAL)
5.2 (CGS); Región Republica Domi-
nicana. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 783 | 3 | e | NG | 08 | 08 | 32 |
| | | eS | NG | | 09 | 34 |
| | | Lr | NG | | 38 | 40 |

22°6 N - 121°3 E; Ho=07-44-44,3;
(0.8-33); h=33 Kms.(R); Mag. 5.4
(CGS); Cerca de la costa S. de
Taiwan. (U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|----|------------|----|----|
| 784 | 4 | iP | ZG | 17 | 37 | 29 |
| | | | | compresión | | |
| | | ipP | ZG | | 37 | 50 |
| | | iS | NG | | 47 | 56 |
| | | isS | NG | | 49 | 32 |
| | | ePS | NG | | 51 | 45 |

46°5 N - 151°1 E; Ho=17-24-29,2;
(0.5-29); h=101 Kms.(R); Mag. 5 1/2
- 5 3/4 (BRK); 5.9 (CGS) Islas Ku-
riles. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----------|-------|------------|----|----|
| 785 | 5 | iP' | ZS,ZL | 11 | 25 | 44 |
| | | | | compresión | | |
| | | ipP' | ZL | | 26 | 42 |
| | | iP' | ZS,ZL | | 27 | 11 |
| | | ipP' | ZL | | 28 | 03 |
| | | i(PP) | ZL,NL | | 31 | 46 |
| | | iPPP | ZS,ZL | | 35 | 04 |
| | | iSKKS | ZL | | 36 | 54 |
| | | i | ZL | | 37 | 30 |
| | | eSKKKS | NL | | 38 | 24 |
| | | i | NL | | 41 | 25 |
| | | ePPS | ZL | | 44 | 46 |
| | | iSS | EL | | 51 | 48 |
| | | iSSS | EL | | 53 | 26 |
| | | i(sSS)EL | | | 55 | 00 |

32°1 S - 179°8 E; Ho=06-06-02,6;
(1.4-34); h=235 Kms.(R); Mag.
6 3/4 (PAS); 5 1/2 (BRK); 5.8 (CGS)
Sur de las Islas Kermadec.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|------|----|------------|----|----|
| 786 | 5 | iP | ZL | 22 | 37 | 22 |
| | | | | dilatación | | |
| | | iPP | ZL | | 41 | 32 |
| | | iPPP | NG | | 43 | 40 |
| | | iS | NG | | 48 | 43 |
| | | iPS | ZL | | 50 | 36 |
| | | i | NG | | 51 | 55 |
| | | eSS | ZL | | 56 | 16 |
| | | iSSS | ZL | 23 | 00 | 40 |
| | | Lq | NG | | 11 | 00 |
| | | M | ZL | | 22 | 00 |

(Continúa)

Núm. Fecha Fase Comp. H M S

786 5 (Continuación)

seg. micrones
M Z L 20.0 9.66

D=10.910 Kms.=98°2

41°1 S - 74°9 W; Ho=22-23-13;
(0.9-49); h=33 Kms.(R); Mag.
6 3/4 (PAS); 6 1/2 (BRK); 6 (CGS)
Fuera de la costa S. de Chile.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|----|----|----|----|
| 787 | 6 | eLr | ZL | 11 | 30 | 00 |
|-----|---|-----|----|----|----|----|

43°4 N - 126°7 W; Ho=10-46-28,9;
(1.4-14); h=33 Kms.(R); Mag. 5.3
(CGS); Fuera de la costa de Ore-
gón (U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|----|------------|----|------|
| 788 | 6 | iB' | ZS | 17 | 23 | 23,5 |
| | | | | dilatación | | |

22°5 S - 179°5 W; Ho=17-03-28,9;
(0.8-27); h=504 Kms.; Mag. 5.3
(CGS); Sur de las Islas Fidji.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|------------|----|------|
| 789 | 6 | iP | ZS | 18 | 36 | 58,5 |
| | | | | dilatación | | |

| | | | | | | |
|--|--|------|-------|---------------|------|----|
| | | ePP | ZL | | 40 | 00 |
| | | iS | EL,NL | | 47 | 06 |
| | | ePS | ZL | | 47 | 55 |
| | | iSS | NL | | 52 | 08 |
| | | eSSS | NL | | 58 | 00 |
| | | Lq | NL | 19 | 03 | 00 |
| | | Lr | ZL | | 06 | 00 |
| | | M | ZL | | 12 | 00 |
| | | | | seg. micrones | | |
| | | M | ZL | 20.0 | 3.33 | |

D=9.067 Kms. = 81°25

70°9 N - 152°1 W; Ho=18-24-50,5;
(1.4-15); h=39 Kms.; Mag. 5.6
(CGS); Réplica Alaska. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|------------|----|-------|
| 790 | 7 | iP | ZS | 05 | 49 | 34,5 |
| | | | | dilatación | | |
| | | Lr | ZL | | 06 | 20 00 |

56°8 N - 152°3 W; Ho=05-37-25,1;
(0.6-13); h=33 Kms.(R); Mag. 5.2
(C.G.S.) Réplica Alaska. (U.S.C.G.
S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 791 | 7 | Lr | ZL | 16 | 09 | 00 |
|-----|---|----|----|----|----|----|

14° N - 91°9 W; Ho=15-31-18;
(1.0-20); h=89 Kms.; Mag. 5.0
(CGS); Cerca de la costa S. de
Guatemala. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|-------|-------|----|----|----|
| 792 | 8 | eP | ZS | 15 | 13 | 23 |
| | | ePP | ZS | | 17 | 12 |
| | | ipPP | ZS | | 17 | 36 |
| | | e(PS) | ZL | | 27 | 12 |
| | | Lr | ZL | | 57 | 00 |

31°7 N - 140°2 E; Ho=14-59-41,2;
(0.4-13); h=110 Kms.; Mag. 5.7
(CGS); Sur de Honshu. Japón.
(U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|----|---------------|------|------|
| 793 | 8 | eiP | ZS | 15 | 57 | 24,5 |
| | | eS | NL | 16 | 06 | 48 |
| | | Lq | NL | | 18 | 00 |
| | | Lr | ZL | | 22 | 00 |
| | | M | ZL | | 22 | 00 |
| | | M | ZL | seg. micrones | 26.0 | 1.33 |

D=8.135 Kms.=73°2
12°5 N - 87°8 W; Ho=15-45-10,9;
(1.1-32); h=63 Kms.; Mag. 5.8
(CGS); Fuera de la costa W de
Nicaragua. Sentido en San Salva-
dor. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 794 | 8 | Lr | ZL | 20 | 36 | 30 |
|-----|---|----|----|----|----|----|

18° N - 74° W; Ho=20-06-51*
(0.4-20); h=10 Kms.(R); Mag. 5.1
(CGS); Cerca de la costa Sur de
Haiti. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 795 | 9 | Lr | ZL | 08 | 53 | 30 |
|-----|---|----|----|----|----|----|

45°1 S - 79°2 W; Ho=07-56-26*
(.1.2-6); h=33 Kms.(R); Mag. 4.5
(CGS); Fuera de la costa Sur de
Chile. (U.S.C.G.S.)

| | | | | | | | |
|-----|----|------|----|---------------|------|------------|--|
| 796 | 10 | iP | ZS | 01 | 20 | 02 | |
| | | | | | | dilatación | |
| | | i | ZS | | 20 | 15 | |
| | | ePP | ZL | | 22 | 16 | |
| | | iS | EL | | 28 | 10 | |
| | | ePS | ZL | | 28 | 36 | |
| | | iSS | EL | | 31 | 58 | |
| | | iSSS | NL | | 34 | 40 | |
| | | Lq | NL | | 34 | 50 | |
| | | Lr | ZL | | 36 | 50 | |
| | | M | ZL | | 37 | 00 | |
| | | M | ZL | seg. micrones | 24.0 | 0.26 | |

D=6.665 Kms.=60°
19°1 N - 67°3 W; Ho=01-10-12,4;
(0.7-51); h=33 Kms.(R); Mag. 5.5
(CGS); Estrecho de la Mona (U.S.
C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 797 | 10 | eP | ZG | 18 | 27 | 39 |
| | | Lr | ZL | | 39 | 00 |

30°3 N - 57°7 E; Ho=18-18-35,6;
(1.6-8); h=13 Kms.; Mag. 4.5
(CGS); Irán. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 798 | 10 | Lr | ZL | 22 | 53 | 00 |
|-----|----|----|----|----|----|----|

32°8 S - 72° W; Ho=21-05-37,9;
(2.0-5); h=33 Kms.(R); Mag. 4.7
(CGS); Fuera de la costa Central
de Chile. (U.S.C.G.S.)

| | | | | | | | |
|-----|----|-----|----|---------------|------|------|--|
| 799 | 11 | ePn | ES | 12 | 01 | 36,5 | |
| | | iPg | NS | | 01 | 45 | |
| | | iSn | ES | | 01 | 59 | |
| | | iSg | ES | | 02 | 08 | |
| | | | | seg. micrones | | | |
| | | iSg | ES | 0.9 | 0.06 | | |

D=195 Kms.=1°75

| | | | | | | |
|-----|----|-----|----|----|----|----|
| 800 | 11 | eSg | NS | 12 | 58 | 13 |
|-----|----|-----|----|----|----|----|

Trazas.

| | | | | | | |
|-----|----|----|----|----|----|------------|
| 801 | 12 | iP | ZS | 07 | 04 | 33,5 |
| | | | | | | dilatación |
| | | Lr | ZL | | 44 | 30 |

48°9 N - 153°7 E; Ho=06-51-49,9;
(1.1-29); h=127 Kms.; Mag. 5.6
(CGS); Islas Kuriles. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|----|----|------------|
| 802 | 12 | iP | ZS | 19 | 34 | 34,5 |
| | | | | | | dilatación |
| | | iPP | ZL | | 36 | 12 |
| | | eS | EL | | 41 | 06 |
| | | Lq | NL | | 44 | 30 |

D=4.935 Kms.=44°4

31° N - 49°8 E; Ho=19-26-26,1;
(0.7-14); h=33 Kms.(R); Mag. 5.1
(CGS); Oeste del Irán (U.S.C.G.S.)

| | | | | | | |
|-----|----|--------|-------|----|----|------------|
| 803 | 13 | iP' | ZL | 00 | 49 | 50 |
| | | | | | | dilatación |
| | | iP | ZS | | 49 | 55 |
| | | ipP | ZL | | 51 | 17 |
| | | i | ZS | | 51 | 27,5 |
| | | i | ZS | | 51 | 40 |
| | | iPP | ZL,ZS | | 53 | 06 |
| | | i | ZS | | 53 | 32 |
| | | iPKS | NL | | 53 | 40 |
| | | ipPP | ZL | | 54 | 06 |
| | | i | EL | | 55 | 08 |
| | | iPPP | ZL | | 56 | 20 |
| | | i(SKS) | ZS | | 56 | 31 |
| | | i | EL,ZL | | 57 | 20 |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S | |
|------|-------|----------------|-------|----|----|----|--|
| 803 | 13 | (Continuación) | | | | | |
| | | iSKSP | NL | 01 | 02 | 30 | |
| | | iPS | EL | | 03 | 18 | |
| | | iSS | EL | | 11 | 10 | |

D=15.890 Kms.=143°; h=350 Kms.

5°4 S - 154°3 E; Ho=00-31-14,1;
(0.8-46); h=383 Kms.(R); Mag. 6.0
(CGS); Islas Salomón. (U.S.C.G.S.)

| | | | | | | | |
|-----|----|-----|----|----|----|----|------------|
| 804 | 13 | iP | ZS | 10 | 43 | 21 | dilatación |
| | | eSS | EL | | 47 | 40 | |
| | | Lr | ZL | | 52 | 30 | |

D=3.610 Kms.=32°5
34°2 N - 25°7 E; Ho=10-38-05;
(1.8-19); h=33 Kms.(R); Mag. 4.4
(CGS); Isla de Creta. (U.S.C.G.S.)

| | | | | | | | |
|-----|----|-----|----|-----|------|------|---------------|
| 805 | 13 | iSg | NS | 10 | 48 | 04,5 | seg. micrones |
| | | iSg | NS | 0.3 | 0.07 | | |

Explosión artificial.

| | | | | | | |
|-----|----|----|----|----|----|----|
| 806 | 13 | Lr | ZL | 17 | 19 | 00 |
|-----|----|----|----|----|----|----|

Trazas.

| | | | | | | | |
|-----|----|-----|----|------|------|----|---------------|
| 807 | 13 | eiP | ZS | 18 | 35 | 31 | (dilatación) |
| | | iPP | ZL | | 37 | 40 | |
| | | eS | NL | | 43 | 06 | |
| | | iSS | EL | | 46 | 36 | |
| | | Lq | NL | | 48 | 40 | |
| | | Lr | ZL | | 51 | 00 | |
| | | M | ZL | | 55 | 00 | |
| | | | | | | | seg. micrones |
| | | M | ZL | 20.0 | 1.33 | | |

D=6.055 Kms.=54°5

10°5 S - 13°3 W; Ho=12-26-30,7;
(1.2-9); h=33 Kms.(R); Mag. 5.1
(CGS); Región Islas Ascensión.
(U.S.C.G.S.)

| | | | | | | | |
|-----|----|----|----|----|----|----|------------|
| 808 | 14 | iP | ZS | 19 | 37 | 34 | dilatación |
|-----|----|----|----|----|----|----|------------|

0°4 N - 79°9 W; Ho=19-25-38,2;
(1.3-14); h=102 Kms.; Mag. 4.6
(CGS); Cerca de la costa de
Ecuador. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S | |
|------|-------|------|-------|------|------|------|---------------|
| 809 | 14 | iP | ZS | 21 | 35 | 45,5 | compresión |
| | | iPP | ZL | | 37 | 20 | |
| | | iS | NL,EL | | 42 | 20 | |
| | | eSS | ZL | | 45 | 05 | |
| | | Lq | NL | | 45 | 32 | |
| | | Lr | ZL | | 47 | 30 | |
| | | M | ZL | | 48 | 00 | |
| | | | | | | | seg. micrones |
| | | M | ZL | 22.0 | 7.33 | | |

D=4.980 Kms.=44°8

7°4 N - 36°8 W; Ho=21-27-41,6;
(1.4-34); h=33 Kms.(R); Mag. 4.8
(CGS); Cresta Central del Atlán-
tico Medio. (U.S.C.G.S.)

| | | | | | | | |
|-----|----|-----|----|-----|------|------|---------------|
| 810 | 15 | iSg | ES | 05 | 43 | 50,5 | seg. micrones |
| | | iSg | ES | 0.5 | 0.02 | | |

Trazas.

| | | | | | | | |
|-----|----|-------|----|-----|------|------|---------------|
| 811 | 15 | e(Pg) | ZS | 05 | 44 | 35 | |
| | | e | ZS | | 44 | 47,5 | |
| | | iSg | ES | | 45 | 09 | |
| | | | | | | | seg. micrones |
| | | iSg | ES | 0.6 | 0.07 | | |

Débil.

| | | | | | | | |
|-----|----|----|----|----|----|----|--|
| 812 | 15 | eP | ZS | 11 | 29 | 47 | |
| | | Lr | ZL | | 47 | 30 | |

Trazas.

| | | | | | | | |
|-----|----|----|----|----|----|------|------------|
| 813 | 16 | iP | ZS | 21 | 36 | 45 | dilatación |
| | | i | ZS | | 36 | 58,5 | |

39°7 N - 52°6 E; Ho=21-28-49,1;
(1.0-15); h=33 Kms.(R); Mag. 4.8
(CGS); Mar Caspio (U.S.C.G.S.)

| | | | | | | | |
|-----|----|-----|----|----|----|------|--|
| 814 | 17 | eiP | ZS | 00 | 22 | 59 | |
| | | i | ZS | | 23 | 10 | |
| | | i | ZS | | 23 | 23,5 | |
| | | iS | EL | | 27 | 18 | |
| | | eSS | ZL | | 28 | 04 | |
| | | Lq | NL | | 28 | 40 | |
| | | Lr | ZL | | 30 | 00 | |

D=2.780 Kms.=25°

35°3 N - 26°1 E; Ho=00-17-41;
Superficial. Algo al SE de la
Isla de Creta. (B.C.I.S.)

| | | | | | | | |
|-----|----|-----|----|----|----|----|--|
| 815 | 17 | ePg | NS | 04 | 50 | 52 | |
| | | eSn | ES | | 51 | 09 | |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|------|----------------|------|------|----|--|-------|------|-------|-----|----|--------------|
| 826 | 19 | | (Continuación) | | | | 832 | 21 | eiP | ZS | 08 | 07 | 49 |
| | | eSS | EL | 15 | 39 | 42 | | | e | ZS | | 08 | 30 |
| | | Lr | ZL | | 45 | 00 | | | ePP | ZL | | 09 | 43 |
| | | | | | | | | | eS | EL | | 14 | 45 |
| | | | | | | | | | eSS | EL | | 18 | 40 |
| | | | | | | | | | Lr | ZL | | 21 | 00 |
| 28°2 N - 52°7 E; Ho=15-20-13,9; (1.1-29); h=52 Kms.; Mag. 5.6 (CGS) Sur del Irán. (U.S.C.G.S.) | | | | | | | 28°3 N - 52°5 E; Ho=07-59-17;(1.0- 24); h=54 Kms. Mag. 4.9 (CGS); Sur del Irán. (U.S.C.G.S.) | | | | | | |
| 827 | 20 | iP | ZS | 04 | 02 | 01 | 833 | 21 | eiP | ZS | 16 | 29 | 17,5 |
| | | | compresión | | | | | | Lr | ZL | | 53 | 00 |
| | | ePP | ZL | | 02 | 46 | Trazas. | | | | | | |
| | | iS | NL | | 06 | 40 | 834 | 21 | iP | ZS | 20 | 07 | 09 |
| | | Lq | EL | | 07 | 30 | | | | | | | dilatación |
| | | eSS | NL | | 07 | 36 | | | Lr | ZL | | 40 | 00 |
| | | Lr | ZL | | 08 | 30 | Trazas. | | | | | | |
| | | M | EL | | 10 | 00 | 835 | 21 | iP | ZL | 23 | 33 | 12 |
| | | | seg. micrones | | | | | | iS | NL,EL | | 37 | 56 |
| | | M | EL | 20.0 | 5.00 | | | | i | NL | | 40 | 48 |
| D=3.090 Kms.=27°8 | | | | | | | D=3.165 Kms.=28°5 | | | | | | |
| 64° N - 23° W; Ho=03-56-14. Super- ficial. Al W de Islandia. Atlántico N. (según Uppsala). (B.C.I.S.) | | | | | | | 31°5 N - 114°3 W; Ho=03-03-20,7; (1.7-22); h=15 Kms.(R); Mag. 5 1/4 - 5 1/2 (PAS); 5.3 (CGS); Golfo de California. (U.S.C.G.S.) | | | | | | |
| 63°9 N - 20°5 W; Ho=03-56-29,2; (0.9-18); h=33 Kms.(R); Mag. 4.8 (CGS); Islandia. (U.S.C.G.S.) | | | | | | | 51°9 N - 30° W; Ho=17-04-31,2; (0.5-25); h=33 Kms.(R); Mag. 4.9 (CGS); Cresta del Atlantico Norte (U.S.C.G.S.). | | | | | | |
| 828 | 20 | iP | ZS | 05 | 17 | 24 | 836 | 22 | eP | ZS | 03 | 15 | 54 |
| | | | compresión | | | | | | eS | EL | | 26 | 20 |
| | | eS | ZL | | 24 | 22 | | | Lq | EL | | 40 | 00 |
| 28°1 N - 52°6 E; Ho=05-08-50,3; (1.1-22); h=47 Kms.; Mag. 5.1 (CGS); Sur del Irán. (U.S.C.G.S.) | | | | | | | 537 | | | | | | |
| 829 | 20 | iP | ZS | 05 | 48 | 21 | 837 | 22 | iP | ZS | 17 | 09 | 21 |
| | | | dilatación | | | | | | | | | | compresión |
| | | i | ZS | | 48 | 26 | | | Lr | ZL | | 15 | 00 |
| | | eSS | ZL | | 59 | 10 | 51°9 N - 30° W; Ho=17-04-31,2; (0.5-25); h=33 Kms.(R); Mag. 4.9 (CGS); Cresta del Atlantico Norte (U.S.C.G.S.). | | | | | | |
| | | Lq | NL | 06 | 08 | 00 | 838 | 22 | eiP | ZS | 17 | 29 | 55 |
| | | Lr | ZL | | 10 | 00 | | | | | | | (dilatación) |
| 28°2 N - 52°6 E; Ho=05-39-47,7; (1.0-28); h=52 Kms.; Mag. 5.5 (CGS) Sur del Irán. (U.S.C.G.S.) | | | | | | | 51°9 N - 30° W; Ho=17-04-31,2; (0.5-25); h=33 Kms.(R); Mag. 4.9 (CGS); Cresta del Atlantico Norte (U.S.C.G.S.). | | | | | | |
| 830 | 20 | Lq | NL | 13 | 33 | 00 | | | Lr | ZL | | 36 | 30 |
| | | Lr | ZL | | 38 | 30 | 51°9 N - 30° W; Ho=17-04-31,2; (0.5-25); h=33 Kms.(R); Mag. 4.9 (CGS); Cresta del Atlantico Norte (U.S.C.G.S.). | | | | | | |
| 37°4 S - 78°3 E; Ho=12-48-47,7; (1.5-7); h=33 Kms.(R); Cresta Me- dia del Oceano Indico. (U.S.C.G.S.) | | | | | | | 51°9 N - 30° W; Ho=17-04-31,2; (0.5-25); h=33 Kms.(R); Mag. 4.9 (CGS); Cresta del Atlantico Norte (U.S.C.G.S.). | | | | | | |
| 831 | 20 | Lr | ZL | 16 | 45 | 30 | 839 | 23 | iP | ZS | (03 | 01 | 41) |
| 73° N - 1° E; Ho=16-29-46; Super- ficial. Atlantico Norte. Región Isla Juan Mayen (según Uppsala. Réplica. (B.C.I.S.) | | | | | | | 51°9 N - 30° W; Ho=17-04-31,2; (0.5-25); h=33 Kms.(R); Mag. 4.9 (CGS); Cresta del Atlantico Norte (U.S.C.G.S.). | | | | | | |
| | | | | | | | | | eS | ZL | (| 05 | 20) |
| | | | | | | | | | Lr | ZL | (| 09 | 00) |
| 73° N - 1° E; Ho=16-29-46; Super- ficial. Atlantico Norte. Región Isla Juan Mayen (según Uppsala. Réplica. (B.C.I.S.) | | | | | | | 59°4 N - 30°3 W; Ho=02-56-13,3; (Continúa) | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|------|----------------|-----|----|------|--|-------|------|-------|----|----|------|
| 839 | 23 | | (Continuación) | | | | 845 | 24 | iP | ZS | 22 | 08 | 54,5 |
| (0.9-15); h=33 Kms.(R); Mag. 4.6 (CGS); Oceano Atlántico Norte. (U.S.C.G.S.) | | | | | | | compresión | | | | | | |
| 840 | 23 | iP | ZS | (04 | 53 | 12) | | | i | ZS | 09 | 00 | |
| | | | | | | | compresión | | | | | | |
| | | | | | | | eS ZL (57 20) | | | | | | |
| | | | | | | | Lr ZL (05 00 30) | | | | | | |
| 59°4 N - 30°2 W; Ho=04-47-46,4; (0.4-17); h=33 Kms.(R); Mag. 4.8 (CGS); Oceano Atlántico Norte. (U.S.C.G.S.) | | | | | | | iSS NL 24 28 | | | | | | |
| | | | | | | | eSSS ZL 26 48 | | | | | | |
| | | | | | | | i ZL 28 20 | | | | | | |
| | | | | | | | Lq EL 32 30 | | | | | | |
| | | | | | | | Lr ZL 36 00 | | | | | | |
| | | | | | | | M ZL 58 00 | | | | | | |
| | | | | | | | seg. micrones | | | | | | |
| | | | | | | | M ZL 16.0 1.42 | | | | | | |
| | | | | | | | D=8.835 Kms.=79°5 | | | | | | |
| | | | | | | | 58°4 N - 150°3 W; Ho=21-56-54,2; (1.0-46); h=22 Kms.(R); Mag. 5.8 (CGS); Golfo de Alaska. (U.S.C.G.S.) | | | | | | |
| 841 | 23 | iP' | ZL | 15 | 43 | 16 | 846 | 25 | eP | ZS | 07 | 09 | 23,5 |
| | | | | | | | dilatación | | | | | | |
| | | | | | | | i ZS 43 29 | | | | | | |
| | | | | | | | iPP ZL 46 16 | | | | | | |
| | | | | | | | iPKS NL 47 02 | | | | | | |
| | | | | | | | iPPP ZL 49 18 | | | | | | |
| | | | | | | | iPPS ZL 58 46 | | | | | | |
| | | | | | | | iSS NL 16 05 28 | | | | | | |
| | | | | | | | iSSS NL 10 00 | | | | | | |
| | | | | | | | i EL 13 48 | | | | | | |
| | | | | | | | Lq EL 22 00 | | | | | | |
| | | | | | | | i ZL 27 00 | | | | | | |
| | | | | | | | Lr ZL 29 00 | | | | | | |
| | | | | | | | M ZL 42 00 | | | | | | |
| | | | | | | | seg. micrones | | | | | | |
| | | | | | | | M ZL 25.0 6.00 | | | | | | |
| D=15.535 Kms.=139°8 | | | | | | | 847 | | | | | | |
| 6°1 S - 149°4 E; Ho=15-24-05,3; (1.0-19); h=63 Kms.; Mag. 4.9 (CGS); Región Nueva Bretaña. (U.S.C.G.S.) | | | | | | | 25 | | | | | | |
| | | | | | | | eP ZS 08 10 36 | | | | | | |
| | | | | | | | ePP ZS 11 20 | | | | | | |
| | | | | | | | Lr ZL 19 00 | | | | | | |
| | | | | | | | 35°6 N - 29°1 E; Ho=08-05-01,6; (0.3-9); h=45 Kms. Mag. 4.6 (CGS); Este del Mar Mediterraneo. (U.S.C.G.S.) | | | | | | |
| 842 | 24 | iP | ZS | 08 | 40 | 52,5 | 848 | 25 | iP | ZS | 11 | 17 | 23 |
| | | | | | | | dilatación | | | | | | |
| | | | | | | | i ZS 17 31 | | | | | | |
| | | | | | | | i ZS 17 47,5 | | | | | | |
| | | | | | | | iS NL 21 56 | | | | | | |
| | | | | | | | iSS NL 23 20 | | | | | | |
| | | | | | | | Lr ZL 26 16 | | | | | | |
| 18°4 N - 68°8 W; Ho=08-31-05,8; (0.9-25); h=179 Kms.; Mag. 4.6 (CGS); Estrecho de Mona. (U.S.C.G.S.) | | | | | | | D=3.990 Kms.=26°9 | | | | | | |
| | | | | | | | 36° N - 29° E; Ho=11-11-51; h=63 Kms. Mediterraneo Oriental, al E de la Isla de Rodas. Mag. 5.4 (Praha), 5.0 (Colmberg). (B.C.I.S.) | | | | | | |
| | | | | | | | 36°1 N - 28°7 E; Ho=11-11-53,6; (1.4-22); h=50 Kms. Mag. 4.9 (CGS) Islas del Dodecaneso. (U.S.C.G.S.) | | | | | | |
| 843 | 24 | iP | ZS | 10 | 49 | 07,5 | 849 | 25 | eP | ZS | 11 | 48 | 34,5 |
| | | | | | | | compresión | | | | | | |
| | | | | | | | i ZS 49 50 | | | | | | |
| 1°5 S - 78°1 W; Ho=10-37-23,4; (0.8-14); h=173 Kms.; Mag. 5.1 (CGS); Ecuador. (U.S.C.G.S.) | | | | | | | 35°4 N - 28°9 E. Ho=11-42-59,9; (1.3-11); h=43 Kms. Mag. 4.5 (CGS) Este del Mar Mediterraneo. (U.S.C.G.S.) | | | | | | |
| 844 | 24 | iP | ZS | 21 | 33 | 34,5 | 850 | 25 | iP | ZL | 13 | 57 | 14 |
| | | | | | | | dilatación | | | | | | |
| | | | | | | | iPP ZL 58 41 | | | | | | |
| Trazas. | | | | | | | | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|----------------|-------|------|-------|----|
| 850 | 25 | (Continuación) | | | | |
| | | iPPP | ZL | 14 | 00 | 50 |
| | | e | EL | | 02 | 16 |
| | | iS | NL | | 05 | 22 |
| | | iSS | NL,EL | | 09 | 10 |
| | | Lq | EL | | 11 | 57 |
| | | Lr | ZL | | 15 | 00 |
| | | seg. micrones | | | | |
| | | iS | NL | 42.0 | 27.08 | |
| | | Lr | ZL | 52.0 | 35.00 | |

D=6.665 Kms.=60°

78°2 N - 126°6 E; Ho=13-47-20,6;
(1.2-45); h=50 Kms.; Mag. 6 1/4 -
6 1/2 (PAS), 6 1/2 (BRK). 6.1 (CGS)
Este de Severnaye. Nueva Zembla.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 851 | 25 | eP | ZS | 14 | 43 | 08 |
| | | i | ZS | | 43 | 22 |
| | | i | ZS | | 43 | 36 |

Enmascarado por el anterior.
35°7 N - 29°1 E; Ho=14-37-32,5;
(1.7-21); h=24 Kms.; Mag. 4.8
(CGS); Al E. del Mar Mediterraneo.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 852 | 25 | eP | ZS | 18 | 01 | 14 |
| | | Lr | ZL | | 10 | 00 |

Trazas.

| | | | | | | |
|-----|----|----|----|----|----|----|
| 853 | 25 | eP | ZS | 19 | 26 | 06 |
|-----|----|----|----|----|----|----|

33°8 N - 27°9 E; Ho=19-20-33;
(1.0-8); h=132 Kms.; Mag. 4.4
(CGS); Este del Mar Mediterraneo.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 854 | 25 | eP | ZS | 22 | 36 | 30 |
|-----|----|----|----|----|----|----|

Trazas.
18°2 N - 68°2 W; Ho=22-27-18*
(1.5-8); h=96 Kms.; Mag. 4.5
(CGS); Estrecho de la Mona.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 855 | 25 | eP | ZS | 23 | 07 | 22 |
|-----|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|-----|----|------------|----|----|----|----|
| 856 | 26 | iP | ZS | 01 | 23 | 01 |
| | | compresión | | | | |
| | | e(S) | ZS | | 24 | 32 |

Trazas.

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|---------------|-------|------|------|------|
| 857 | 26 | iP | ZS | 03 | 23 | 34 |
| | | dilatación | | | | |
| | | i | ZS | | 23 | 38,5 |
| | | iS | EL | | 27 | 48 |
| | | Lr | ZL | | 28 | 40 |
| | | seg. micrones | | | | |
| | | Lr | ZL | 18.0 | 2.00 | |

D=2.710 Kms.=24°4
52°1 N - 30°1 W; Ho=03-18-44,1;
(0.9-26); h=33 Kms.(R); Mag. 5.4
(CGS); Cresta del Norte del Atlán-
tico. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 858 | 26 | Lr | ZL | 11 | 32 | 00 |
|-----|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|-----|----|----|----|----|----|----|
| 859 | 26 | Lr | ZL | 13 | 34 | 00 |
|-----|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|-----|----|---------------|----|-----|------|------|
| 860 | 27 | ePg | NS | 01 | 13 | 44,5 |
| | | eSn | ES | | 14 | 04,5 |
| | | iSg | NS | | 14 | 08,5 |
| | | seg. micrones | | | | |
| | | iSg | NS | 0.6 | 0.08 | |

Débil.

| | | | | | | |
|-----|----|----|----|----|----|----|
| 861 | 27 | Lr | ZL | 02 | 34 | 00 |
|-----|----|----|----|----|----|----|

23°7 N - 143°6 E; Ho=01-34-26,7;
(0.6-23); h=39 Kms.(R); Mag. 5.1
(CGS); Región Islas Volcano.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 862 | 27 | Lr | ZL | 06 | 42 | 00 |
|-----|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|-----|----|-----|----|----|----|----|
| 863 | 27 | eiP | ZS | 08 | 14 | 26 |
|-----|----|-----|----|----|----|----|

17°5 S - 173° W; Ho=07-53-54,8;
(1.7-31); h=33 Kms.(R); Mag. 4
1/2 - 4 3/4 (BRK); 5.3 (CGS);
Islas Tonga. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 864 | 27 | Lr | ZL | 09 | 14 | 00 |
|-----|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|-----|----|------------|----|----|----|------|
| 865 | 27 | iP | ZS | 12 | 07 | 31,5 |
| | | dilatación | | | | |
| | | Lr | ZL | | 28 | 00 |

28°2 N - 55°7 E; Ho=11-58-41,3;
(1.2-23); h=69 Kms.; Mag. 5.1
(CGS); Sur de Irán. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|--------|-------|------------|----|------|--|-------|-------|-------|------------|----|------|
| 866 | 27 | iP | ZS | 13 | 05 | 55 | 871 | 28 | Lr | ZL | 19 | 12 | 00 |
| | | | | dilatación | | | | | | | | | |
| | | eS | EL | | 13 | 08 | | | | | | | |
| | | Lr | ZL | | 21 | 00 | | | | | | | |
| 27°5 N - 55°9 E; Ho=12-56-46,1; (0.7-20); h=33 Kms.; Mag. 5.3 (CGS); Sur del Irán. (U.S.C.G.S.) | | | | | | | Trazas. 23°5 N - 120°6 E; Ho=18-17-03,2; (1.5-15); h=10 Kms.; Mag. 5.2 (CGS); Taiwan. (U.S.C.G.S.) | | | | | | |
| 867 | 27 | eiP | ZS | 19 | 37 | 33 | 872 | 29 | iPn | ZS | 02 | 46 | 30,5 |
| | | e(PP) | ZL | | 37 | 49 | | | | | compresión | | |
| | | i | NL | | 42 | 00 | | | i(P*) | NS | | 46 | 42 |
| | | iS | EL | | 42 | 16 | | | iPg | ZS | | 46 | 50,5 |
| | | Lq | NL | | 43 | 00 | | | iSn | NS | | 47 | 21 |
| | | Lr | ZL | | 45 | 00 | | | eSg | ZS | | 47 | 45 |
| | | | | | | | | | Lr | ZL | | 48 | 14 |
| D=3.165 Kms.=28°5 | | | | | | | seg. micrones | | | | | | |
| 36° N - 29° E; Ho=19-32-01; Mag. 5 1/2 (Stras). 5.4 (Pruhonic) 4.9 (Coll) Mediterraneo oriental al E de la Isla de Rodas. (B.C.I.S.) | | | | | | | iPg ZS 0.8 0.4 iSn NS 0.8 0.6 | | | | | | |
| 35°5 N - 28°7 E; Ho=19-31-56,9; (1.4-35); h=33 Kms.(R); Mag. 4.7 (CGS); Este del Mar Mediterraneo. (U.S.C.G.S.) | | | | | | | D=367 Kms.=3°30 43° N - 0°2 E; Ho=02-45-28; 6 Champan; 5-6 Gèdre. 5 Lourdes. Pirineos Centrales. Sentido en el Alto Pirineo. (B.C.I.S.) | | | | | | |
| 868 | 28 | iP' | ZS | 04 | 54 | 24 | 43°3 N - 0°1 E; Ho=02-45-29*; (0.5-8); h=33 Kms.(R); Mag. 4.4 (CGS). Francia. Sentido en Champan, Gèdre y Lourdes. (U.S.C.G.S.) | | | | | | |
| | | | | compresión | | | 43° N - 0°1 E; Ho=02-45-22; h=33 Kms.Mag. 4.9. Próximo a Bagnères de Bigorre. Sentido en los Altos Piri- neos. Grado VI en Champan. VI-V en Lourdes. (LCSS.Madrid) | | | | | | |
| | | iP' | ZS | | 55 | 04 | | | | | | | |
| | | ePP | ZL | | 58 | 12 | | | | | | | |
| | | e(PPP) | ZL | 05 | 01 | 44 | | | | | | | |
| | | eSS | NL | | 16 | 30 | | | | | | | |
| 19°8 S - 178°2 W; Ho=04-35-29,3; (0.6-30); h=580 Kms.(R); Mag. 5.4 (CGS); Región Isla Fidji. (U.S.C.G.S.) | | | | | | | 873 | 29 | iP | ZS | 04 | 20 | 06 |
| 869 | 28 | iP | ZS | 12 | 10 | 43,5 | Trazas. 57°8 N - 156° W; Ho=04-08-03 (1.1-15); h=78 Kms.; Mag.4.8 (CGS) Peninsula de Alaska. (U.S.C.G.S.) | | | | | | |
| | | | | compresión | | | 874 | 29 | eP | ZS | 05 | 26 | 44 |
| | | iSS | NL | | 14 | 05 | | | Lr | ZL | | 36 | 00 |
| | | Lr | ZL | | 16 | 30 | 71°6 N - 3°7 W; Ho=05-20-19,3; (0.7-14); h=33 Kms.(R); Mag. 4.7 (CGS); Región Islas Juan Mayen. (U.S.C.G.S.) | | | | | | |
| 37°9 N - 19°8 E; Ho=12-06-18,3; (1.4-13); h=61 Kms.; Mag. 4.5 (CGS); Mar Jónico. (U.S.C.G.S.) | | | | | | | 875 | 29 | iP | ZS | 06 | 17 | 45,5 |
| 870 | 28 | i | ZS | 13 | 35 | 15,5 | di latación | | | | | | |
| | | eS | NL | | 45 | 03 | Trazas. | | | | | | |
| | | ePS | ZL | | 46 | 12 | 876 | 29 | Lr | ZL | 14 | 42 | 00 |
| | | e | ZL | | 47 | 20 | 13°7 S - 172°6 E; Ho=13-25-25,9; (1.5-16); h=33 Kms.(R). Región Islas Nuevas Hébridias. (U.S.C.G.S.) | | | | | | |
| | | e | EL | | 52 | 40 | ----- | | | | | | |
| 7°1 N - 95°1 E; Ho=13-21-13,5; (0.8-30); h=33 Kms.(R); Mag. 5.1 (CGS); Región Islas Nicobar. (U.S.C.G.S.) | | | | | | | ----- | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 877 | 29 | Li | ZL | 18 | 00 | 30 |

Trazas.

| | | | | | | |
|-----|----|-----|----|----|----|----|
| 878 | 29 | eiP | ZS | 19 | 43 | 30 |
|-----|----|-----|----|----|----|----|

35°2 N - 28°6 E; Ho=19-37-56;
 (1.2-19); h= 63 Kms.; Mag. 4.7
 (CGS); Este del Mar Mediterraneo.
 (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 879 | 30 | e | ZL | 01 | 25 | 20 |
| | | e | ZL | | 26 | 06 |
| | | e | ZL | | 38 | 40 |
| | | Lr | ZL | | 44 | 00 |

Trazas.

| | | | | | | |
|-----|----|----|----|----|----|----|
| 880 | 30 | Lr | ZL | 03 | 17 | 00 |
|-----|----|----|----|----|----|----|

27°6 N - 88°3 E; Ho=02-35-08*
 (1.3-24); h=21 Kms.; Mag. 5.2
 (CGS), Sikkim. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|----|----|----|
| 881 | 30 | ePP | ZL | 21 | 01 | 00 |
| | | Lr | ZL | | 50 | 00 |

13°6 S - 172°4 E; Ho=20-37-09,2;
 (1.2-16); h=33 Kms. (R); Mag. 4.9
 (CGS); Región Islas Nuevas Hébridas.
 (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----------------|----|----|----|--------------|
| 882 | 30 | iP ₂ | ZS | 20 | 05 | 05 |
| | | | | | | (dilatación) |
| | | ipB' | ZS | | 06 | 07,5 |
| | | ePP | ZL | | 08 | 36 |

19°9 S - 176° W; Ho=21-44-56,9;
 (1.5-29); h=253 Kms. (R); Mag. 5.6
 (CGS); Región Islas Fidji.
 (U.S.C.G.S.)

| | | | | | | |
|-----|----|------|----|----|----|----|
| 883 | 31 | ePP | ZL | 02 | 34 | 36 |
| | | ePS | ZL | | 44 | 38 |
| | | ePPS | ZL | | 45 | 44 |
| | | eSS | ZL | | 51 | 12 |
| | | Lr | ZL | 03 | 11 | 30 |

35°2 S - 106° W; Ho=02-14-20,3;
 (1.2-16); h=33 Kms. (R); Mag. 5.2
 (CGS); Este de la Isla de Cordillera.
 (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 884 | 31 | ePg | ZS | 11 | 17 | 49 |

Trazas.

| | | | | | | |
|-----|----|-----|----|-----|---------------|------|
| 885 | 31 | ePn | NS | 20 | 39 | 05 |
| | | eP* | NS | | 39 | 16 |
| | | iPg | NS | | 39 | 29,5 |
| | | eS* | NS | | 40 | 23,5 |
| | | eSg | NS | | 40 | 44,5 |
| | | Lr | ZL | | 41 | 32 |
| | | | | | seg. micrones | |
| | | eSg | NS | 0.8 | 0.04 | |

| | | | | | | |
|-----|----|----|----|----|------------|------|
| 886 | 31 | iP | ZS | 23 | 33 | 05,5 |
| | | | | | dilatación | |
| | | Lq | NL | | 54 | 00 |
| | | Lr | ZL | 00 | 02 | 30 |

52°4 N - 170°7 W; Ho=23-20-19,4;
 (1.1-28); h=33 Kms. (R); Mag. 5.2
 (CGS); Islas Fox. Aleutianas.
 (U.S.C.G.S.)

Instituto Geográfico y Catastral

 OBSERVATORIO CENTRAL GEOFISICO
 "ALFONSO REY PASTOR"
 TOLEDO

MOVIMIENTO MICROSISMICO

Mes de Agosto de 1964.

N - S

E - W

| Día | O | | VI | | XII | | XVIII | | Car | O | | VI | | XII | | XVIII | | Car |
|-----|----|----|----|----|-----|----|-------|----|-----|----|----|----|----|-----|----|-------|----|-----|
| | T | A | T | A | T | A | T | A | | T | A | T | A | T | A | T | A | |
| 1 | 35 | 04 | 40 | 05 | 40 | 04 | 35 | 04 | 3 | 35 | 03 | 35 | 03 | 35 | 03 | 35 | 03 | 3 |
| 2 | 35 | 05 | .. | .. | 40 | 05 | 40 | 05 | 3 | 35 | 03 | .. | .. | 40 | 04 | 40 | 04 | 3 |
| 3 | 40 | 05 | 40 | 05 | 40 | 06 | 35 | 05 | 2 | 40 | 05 | 40 | 04 | 30 | 05 | 40 | 04 | 2 |
| 4 | 40 | 04 | 35 | 04 | 35 | 04 | 35 | 03 | 3 | 35 | 04 | 35 | 05 | 35 | 03 | 35 | 03 | 3 |
| 5 | 35 | 04 | 30 | 05 | .. | .. | 35 | 04 | 3 | 40 | 03 | 35 | 03 | 20 | 04 | 25 | 04 | 3 |
| 6 | 35 | 04 | 40 | 04 | 40 | 03 | 40 | 04 | 3 | 45 | 02 | 40 | 03 | 30 | 04 | 30 | 03 | 3 |
| 7 | 50 | 04 | 45 | 04 | 35 | 04 | 40 | 05 | 3 | 30 | 04 | 30 | 04 | 30 | 04 | 30 | 04 | 3 |
| 8 | 35 | 06 | 40 | 10 | 40 | 08 | 50 | 13 | 3 | 30 | 04 | 30 | 04 | 25 | 04 | 30 | 04 | 3 |
| 9 | 50 | 07 | 30 | 09 | 40 | 05 | 40 | 07 | 2 | 30 | 04 | 45 | 03 | 30 | 03 | 30 | 04 | 2 |
| 10 | 35 | 08 | .. | .. | 35 | 10 | 40 | 08 | 3 | 30 | 04 | 25 | 03 | 30 | 04 | 30 | 04 | 3 |
| 11 | 35 | 06 | .. | .. | 35 | 07 | 35 | 09 | 3 | 30 | 04 | 30 | 04 | 25 | 03 | 30 | 03 | 3 |
| 12 | 35 | 07 | .. | .. | 35 | 06 | 30 | 06 | 3 | 30 | 03 | 45 | 03 | 30 | 04 | 30 | 03 | 3 |
| 13 | 30 | 06 | .. | .. | 30 | 07 | 30 | 07 | 3 | 30 | 03 | 30 | 03 | 30 | 04 | 30 | 04 | 3 |
| 14 | 30 | 05 | .. | .. | 30 | 05 | 30 | 05 | 3 | 30 | 04 | 30 | 03 | 30 | 04 | 30 | 03 | 3 |
| 15 | 30 | 06 | 30 | 07 | 30 | 06 | 30 | 05 | 3 | 30 | 04 | 30 | 04 | 25 | 03 | 20 | 04 | 3 |
| 16 | 30 | 05 | 30 | 03 | 30 | 05 | 30 | 05 | 3 | 25 | 03 | 25 | 02 | 20 | 03 | 25 | 03 | 3 |
| 17 | 35 | 04 | 35 | 05 | 35 | 08 | 30 | 12 | 3 | 20 | 04 | 20 | 05 | 30 | 04 | 30 | 04 | 3 |
| 18 | 40 | 09 | 35 | 13 | 35 | 10 | 35 | 10 | 3 | 30 | 04 | 30 | 04 | 30 | 04 | 30 | 04 | 3 |
| 19 | 40 | 10 | 40 | 06 | 35 | 08 | 35 | 08 | 2 | 25 | 05 | 25 | 04 | 30 | 04 | 40 | 03 | 2 |
| 20 | 35 | 07 | 35 | 04 | 35 | 05 | 30 | 05 | 3 | 40 | 03 | 40 | 02 | 20 | 03 | 20 | 04 | 3 |
| 21 | 30 | 06 | 30 | 07 | 40 | 08 | 40 | 10 | 3 | 25 | 03 | 30 | 03 | 30 | 03 | 30 | 05 | 3 |
| 22 | 35 | 08 | 30 | 07 | 30 | 06 | 35 | 06 | 3 | 30 | 05 | 25 | 06 | 20 | 05 | 30 | 05 | 3 |
| 23 | 30 | 07 | 30 | 08 | 30 | 07 | 30 | 05 | 3 | 30 | 05 | 30 | 05 | 30 | 05 | 30 | 05 | 3 |
| 24 | 30 | 05 | 35 | 06 | 30 | 07 | 35 | 12 | 3 | 25 | 04 | 30 | 04 | 30 | 05 | 30 | 06 | 3 |
| 25 | 30 | 07 | 30 | 08 | 30 | 07 | 35 | 07 | 3 | 30 | 06 | 30 | 06 | 30 | 07 | 30 | 05 | 3 |
| 26 | 35 | 06 | 30 | 06 | 35 | 04 | 35 | 05 | 3 | 30 | 02 | 25 | 04 | 20 | 05 | 20 | 03 | 3 |
| 27 | 30 | 05 | 50 | 03 | 35 | 04 | 30 | 05 | 3 | 30 | 03 | 30 | 03 | 30 | 03 | 25 | 04 | 3 |
| 28 | 30 | 05 | 30 | 05 | 30 | 03 | 35 | 04 | 3 | 30 | 05 | 30 | 03 | 30 | 03 | 25 | 05 | 3 |
| 29 | 30 | 07 | 35 | 06 | 30 | 10 | 30 | 09 | 3 | 30 | 05 | .. | .. | 30 | 05 | 30 | 05 | 3 |
| 30 | 30 | 10 | 35 | 09 | 30 | 12 | 40 | 07 | 3 | 30 | 05 | 25 | 07 | 20 | 07 | 30 | 05 | 3 |
| 31 | 40 | 08 | 35 | 09 | 35 | 06 | 30 | 07 | 3 | 30 | 07 | 30 | 07 | 30 | 05 | 30 | 03 | 3 |

Los números de las columnas T representan décimas de segundo,
 y los números de las columnas A décimas de micron.

 G. Payo
 Director

Ana G. Menor.

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|----------------|---------------|-----|------|------|
| 888 | 1 | (Continuación) | | | | |
| | | i | NS | 14 | 55 | 19 |
| | | eSn | ZS | | 55 | 22,5 |
| | | e | NS | | 55 | 27,5 |
| | | eS* | NS | | 55 | 33,5 |
| | | eSg | ZS | | 55 | 38 |
| | | L | EL | | 55 | 42 |
| | | | seg. micrones | | | |
| | | eSg | ZS | 1.1 | 0.02 | |

36°9 N - 5°3 W; Ho=14-54-00; h=33 Kms. Mag. 3.9 Próximo a Algodonales (Cádiz). (L.C.S.S.Madrid)

| | | | | | | |
|-----|---|-----|---------------|-----|------|------|
| 889 | 1 | eP* | ZS | 16 | 05 | 13 |
| | | ePg | NS | | 05 | 19 |
| | | i | NS | | 05 | 31 |
| | | eSn | ES | | 05 | 47 |
| | | iS* | ES | | 05 | 52,5 |
| | | iSg | ES | | 05 | 59,5 |
| | | L | EL | | 06 | 09 |
| | | i | NS | | 06 | 09,5 |
| | | | seg. micrones | | | |
| | | i | NS | 1.2 | 0.04 | |

D=325 Kms.=2°92

36°9 N - 5°3 W; Ho=16-04-22. Réplica. Próximo a Algodonales (Cádiz). (L.C.S.S.Madrid).

| | | | | | | |
|-----|---|------|------------|----|----|------|
| 890 | 1 | iP | ZS | 17 | 29 | 33,5 |
| | | | compresión | | | |
| | | i | ZS | | 29 | 48 |
| | | ePP | ZL | | 33 | 08 |
| | | iS | NL | | 40 | 18 |
| | | ePS | ZL | | 41 | 12 |
| | | eSS | NL | | 46 | 12 |
| | | eSSS | NL | | 49 | 28 |
| | | Lq | EL | | 52 | 00 |
| | | Lr | ZL | | 59 | 00 |

D=9.910 Kms.=89°2

51°2 N - 170°6 W; Ho=17-16-40,4; (1.2-35); h=25 Kms.(R); Mag. 5.5 (CGS); Islas Fox. Aleutianas. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 891 | 1 | Lr | ZL | 22 | 02 | 00 |
|-----|---|----|----|----|----|----|

57°2 S - 147°1 E; Ho=20-48-39* (1.9-8); h=33 Kms.(R); Oeste de las Islas Marquerie. (U.S.C.G.S.)

| | | | | | | |
|-----|---|------------|---------------|-----|------|----|
| 892 | 2 | ePg | ZS | 16 | 41 | 02 |
| | | eSn | ES | | 41 | 30 |
| | | iSg | ES,NS | | 41 | 41 |
| | | | seg. micrones | | | |
| | | iSg | ES | 0.9 | 0.03 | |
| | | (Continúa) | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|----------------|-------|---|---|---|
| 892 | 2 | (Continuación) | | | | |
| 36°9 N - 5°3 W; Ho=16-40-04; Réplica. Próximo a Algodonales (Cádiz). (L.C.S.S.Madrid). | | | | | | |

| | | | | | | |
|-----|---|-----|------------|----|----|------|
| 893 | 2 | iP | ZS | 18 | 23 | 16,5 |
| | | | dilatación | | | |
| | | epP | ZS | | 23 | 59 |
| | | eLr | ZL | | 45 | 00 |

7°8 N - 73°3 W; Ho=18-12-22,9; (1.3-24); h=112 Kms.; Mag. 4.8 (CGS); Norte de Colombia. Sentido en Cucuta. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 894 | 3 | Lr | ZL | 11 | 32 | 00 |
|-----|---|----|----|----|----|----|

30°9 S - 68°4 W; Ho=10-06-55,9; (1.1-26); h=113 Kms.(R); Mag. 5.1 (CGS); Provincia de S.Juan. Argentina. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 895 | 3 | Lr | ZL | 18 | 10 | 00 |
|-----|---|----|----|----|----|----|

19°6 N - 109°1 W; Ho=17-38-11* (1.0-17); h=33 Kms.(R); Mag. 4.7 (CGS); Región Islas de Revilla Gigedo. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|------|
| 896 | 3 | eP | ZS | 21 | 16 | 08,5 |
| | | Lr | ZL | | 42 | 00 |

59°7 N - 144° W; Ho=21-04-13,3; (1.5-8); h=33 Kms.(R); Mag. 4.5 (CGS); Golfo de Alaska. (U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|---------------|------|-----|----|
| 897 | 4 | iP | ZS | 03 | 36 | 39 |
| | | | dilatación | | | |
| | | iPP | ZL | | 38 | 21 |
| | | iS | NL,EL | | 43 | 11 |
| | | iSS | NL | | 46 | 24 |
| | | Lr | ZL | | 48 | 30 |
| | | M | ZL | | 51 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 18.0 | 2.0 | |

D=4.935 Kms.=44°4

7°6 N - 36°9 W; Ho=03-28-33,1; (0.5-23); h=22 Kms.; Mag. 5.4 (CGS); Cresta media del Atlántico. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|------------|----|----|------|
| 898 | 4 | iP | ZS | 03 | 46 | 14,5 |
| | | | dilatación | | | |

39°8 N - 40°3 E; Ho=03-39-36,7; (1.0-15); h=33 Kms.(R); Mag. 5.0 (CGS) Turquía (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp | H | M | S |
|------|-------|------|------|------------|----|----|
| 899 | 4 | iP | ZS | 09 | 49 | 20 |
| | | | | dilatación | | |
| | | epP | ZS | | 49 | 32 |
| | | Lr | ZL | 10 | 29 | 00 |

18°3 S - 69° W; Ho=09-36-58,7;
(1.3-17); h=101 Kms.; Mag. 5.4
(CGS); Norte de Chile. (U.S.C.G.S.)

| | | | | | | |
|-----|---|------|-------|---------------|-----|----|
| 900 | 4 | eiP" | ZS | 10 | 53 | 16 |
| | | | | (Compresión) | | |
| | | iPP | ZL,ZS | 55 | 13 | |
| | | ePKS | ZL | 56 | 42 | |
| | | ePPP | ZL | 57 | 48 | |
| | | iSKS | ZL | 11 | 00 | 24 |
| | | ePS | ZL | 04 | 04 | |
| | | iSS | NL | 12 | 12 | |
| | | eSSS | NL | 16 | 50 | |
| | | Lq | NL | 26 | 22 | |
| | | M | ZL | 59 | 00 | |
| | | | | seg. micrones | | |
| | | M | ZL | 20.0 | 3.6 | |

D=13.865 Kms.=124°8

4° S - 131°4 E; Ho=10-34-13,1;
(1.3-20); h=33 Kms.(R); Mag. 5 1/2
- 5 3/4 (BRK); 5.9 (CGS); Región
Oeste de Nueva Guinea (U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|----|---------------|------|------|
| 901 | 4 | ePg | NS | 18 | 47 | 25 |
| | | eSn | NS | | 47 | 48 |
| | | eS* | NS | | 47 | 54,5 |
| | | iSg | NS | | 47 | 59 |
| | | | | seg. micrones | | |
| | | iSg | NS | 0.6 | 0.13 | |

Trazas.

| | | | | | | |
|-----|---|-------|----|---------------|------|----|
| 902 | 5 | eiP" | ZL | 03 | 13 | 06 |
| | | | | (compresión) | | |
| | | ipP" | ZS | 13 | 43,5 | |
| | | i | ZL | 14 | 48 | |
| | | iPP | ZL | 16 | 18 | |
| | | ePPP | ZL | 19 | 08 | |
| | | iSKS | ZL | 20 | 24 | |
| | | iSKKS | NL | 23 | 04 | |
| | | ePS | ZL | 26 | 35 | |
| | | iPPS | ZL | 28 | 20 | |
| | | i | ZL | 30 | 08 | |
| | | iSS | EL | 35 | 08 | |
| | | iSSS | NL | 38 | 30 | |
| | | Lq | EL | 52 | 36 | |
| | | M | ZL | 04 | 15 | 00 |
| | | | | seg. micrones | | |
| | | M | ZL | 24.0 | 9.7 | |

D=15.845 Kms.=142°6

5°8 S - 154° E; Ho=02-53-50,6;
(1.5-16); h=69 Kms.(R); Mag. 6.4
(CGS); Islas Salomón. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp | H | M | S |
|------|-------|--------|------|---------------|------|----|
| 903 | 5 | iP | ZL | 12 | 35 | 20 |
| | | | | compresión | | |
| | | iPP | ZL | 37 | 04 | |
| | | i | ZL | 38 | 40 | |
| | | iPcS | ZL | 40 | 24 | |
| | | iS | NL | 41 | 57 | |
| | | i(SS) | NL | 45 | 16 | |
| | | e(SSS) | NL | 46 | 14 | |
| | | Lq | EL | 46 | 18 | |
| | | Lr | ZL | 47 | 36 | |
| | | | | seg. micrones | | |
| | | Lr | ZL | 45.0 | 20.0 | |

D=4.890 Kms.=44°

0°6 N - 25°9 W; Ho=12-27-22,2;
(1.9-27); h=33 Kms.(R); Mag. 4.7
(CGS); Cresta Central del Atlán-
tico Medio (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 904 | 5 | eP | ZS | 21 | 11 | 40 |
| | | Lr | ZL | | 15 | 00 |

44°1 N - 11°1 E; Ho=21-08-49,4;
(1.7-9); h=40 Kms.; Mag. 4.3
(CGS); Norte de Italia. Sentido
en la Región Toscana. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 905 | 5 | eP | ZS | 21 | 13 | 20 |
|-----|---|----|----|----|----|----|

44° N - 11°5 E; Ho=21-10-14;
Italia. Réplica. (B.C.I.S.)

| | | | | | | |
|-----|---|-----|-------|---------------|------|------|
| 906 | 6 | iPn | ZS | 02 | 34 | 54 |
| | | eP* | ZS | | 34 | 57,5 |
| | | iPg | ZS | | 35 | 02 |
| | | eSn | ZS | | 35 | 24 |
| | | eS* | ZS | | 35 | 31,5 |
| | | iSg | NS,ZS | | 35 | 40,5 |
| | | | | seg. micrones | | |
| | | iSg | ZS | 0.9 | 0.06 | |

36°9 N - 4°4 W; Ho=02-34-04,5;
h=33 Kms.; Mag. 4.1. Próximo a
Casabermeja (Málaga). Sentido en
Málaga. Grados IV-V (L.C.S.S.
Madrid)

| | | | | | | |
|-----|---|-----|-------|---------------|------|------|
| 907 | 6 | iPn | ZS | 02 | 43 | 37 |
| | | | | dilatación | | |
| | | eP* | ZS | | 43 | 40 |
| | | iPg | ZS | | 43 | 45,5 |
| | | e | ZS | | 44 | 04 |
| | | eSn | ZS | | 44 | 07 |
| | | eS* | ZS | | 44 | 15 |
| | | iSg | ES,ZS | | 44 | 25 |
| | | | | seg. micrones | | |
| | | iSg | ZS | 1.0 | 0.08 | |

D=339 Kms.=3° 05

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|---------------|------------|------|----|
| 920 | 9 | iPn | ZS | 09 | 40 | 31 |
| | | | | dilatación | | |
| | | iP* | NS | 40 | 37 | |
| | | iPg | NS | 40 | 41 | |
| | | iSn | ZG | 41 | 03 | |
| | | iS* | ZG | 41 | 10 | |
| | | iSg | EG | 41 | 15 | |
| | | | seg. micrones | | | |
| | | iSg | EG | 3.0 | 2.79 | |

D=284 Kms.=2°55

37°3 N - 3°8 W; Ho=09-39-44;
España. Cerca de Granada. Ligeros
daños, según Cartuja. (B.C.I.S.)

37°5 N - 3°7 W; Ho=09-39-48,1;
(1.1-13); Mag. 4.3 (CGS); h=15
Kms.(R); España (U.S.C.G.S.)

37° N - 3°5 W; Ho=09-39-43; h=33
Kms.; Mag. 4.8 (CGS); Próximo a
Padul (Granada) Sentido en Granada
grado VI-VII. Pánico en la pobla-
ción, intensos ruidos subterráneos.
Oscilación de los muebles y puertas
Daños materiales de poca importan-
cia. (L.C.S.S.Madrid).

| | | | | | | |
|-----|---|-----|---------------|-----|------|----|
| 921 | 9 | ePn | NS | 12 | 44 | 49 |
| | | eP* | ZS | 44 | 55 | |
| | | iPg | ZS | 45 | 01,5 | |
| | | i | NS | 45 | 05 | |
| | | i | ZS | 45 | 22 | |
| | | iSn | NS | 45 | 25 | |
| | | iS* | ZS | 45 | 30,5 | |
| | | iSg | ES | 45 | 40 | |
| | | M | ZS | 45 | 47 | |
| | | | seg. micrones | | | |
| | | M | ZS | 0.5 | 0.06 | |

D=289 Kms.=2°60

36° 3/4 N - 4° 1/2 W; Ho=12-44-04;
España, cerca de Málaga. Sentido
en Málaga. (B.C.I.S.)

| | | | | | | |
|-----|---|----|----|------------|----|------|
| 922 | 9 | iP | ZS | 22 | 27 | 08,5 |
| | | | | dilatación | | |

34°5 N - 45°8 E; Ho=22-19-40,5;
(1.1-11); h=68 Kms.; Mag. 4.5
(CGS); Región fronteriza. Irán-
Irak. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-------|----|----|----|----|
| 923 | 10 | ePn | ZS | 03 | 58 | 13 |
| | | e(Pg) | ZS | 58 | 34 | |
| | | i | ZS | 58 | 48 | |
| | | eSn | ES | 59 | 12 | |

Trazas.

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|------------|----|------|
| 924 | 11 | iP | ZS | 04 | 36 | 17,5 |
| | | | | compresión | | |
| | | ipP | ZS,ZL | 37 | 11 | |
| | | iS | NL | 46 | 25 | |
| | | iPS | ZL | 48 | 12 | |
| | | Lr | ZL | 05 | 04 | 30 |

D=9.445 Kms.=85°. h=200 Kms.

23°9 S - 66°6 W; Ho=04-23-56;
(1.0-27); h=195 Kms. Mag. 4 3/4 -
5 (BRK); 5.3 (CGS); Provincia de
Jujuy. Argentina. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-------|---------------|------------|------|----|
| 925 | 11 | iPn | ZS | 09 | 14 | 05 |
| | | | | dilatación | | |
| | | iPg | ZS | 14 | 15 | |
| | | i(Sn) | ZS | 14 | 33 | |
| | | iSg | ZS,ES | 14 | 54 | |
| | | | seg. micrones | | | |
| | | iSg | ES | 0.7 | 0.15 | |

D=334 Kms.=3°

36°9 N - 4°7 W; Ho=09-13-15;
h=33 Kms.; Mag. 4.3; Próximo a
Valle de Abdalagis (Málaga). Sen-
tido en Málaga. Grado III-IV.
(L.C.S.S.Madrid)

| | | | | | | |
|-----|----|------|----|------------|----|----|
| 926 | 12 | iP" | ZL | 13 | 02 | 25 |
| | | | | compresión | | |
| | | epP" | ZL | 02 | 54 | |
| | | iPP | ZL | 05 | 00 | |
| | | iPKS | ZL | 06 | 40 | |
| | | iSS | NL | 22 | 52 | |
| | | Lr | ZL | 49 | 00 | |

4°4 S - 144° E; Ho=12-43-19;
(0.7-25); h=120 Kms.(R); Mag.
6 1/2 (Pas). 6 1/4 - 6 1/2 (BRK)
6.3 (CGS); Cerca de la costa N
de Nueva Guinea (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 927 | 12 | eP | ZS | 13 | 14 | 38 |
|-----|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|-----|----|-----|---------------|------------|------|----|
| 928 | 12 | iPg | ZS | 14 | 46 | 39 |
| | | | | compresión | | |
| | | eSg | ES | 46 | 44,5 | |
| | | | seg. micrones | | | |
| | | eSg | ES | 0.2 | 0.02 | |

Explosión artificial en las canter-
ras de Yepes (Toledo).

| | | | | | | |
|-----|----|-----------------|----|------------|----|----|
| 929 | 12 | ip ₁ | ZL | 22 | 27 | 00 |
| | | | | compresión | | |
| | | ip ₂ | ZL | 28 | 14 | |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S | |
|--|-------|----------------|----------|------|------|----|---|-------|-------|----------|---------------|---------------|------|----|
| 929 | 12 | (Continuación) | | | | | | 934 | 14 | Lr | ZL | 12 | 51 | 00 |
| | | iPKS | ZL | 22 | 30 | 10 | Trazas. | | | | | | | |
| | | iPP | ZL | | 32 | 03 | ----- | | | | | | | |
| | | iSKS | ZL | | 34 | 06 | 935 | 14 | eP | ZL | 13 | 45 | 44 | |
| | | i(PcPPKP) | ZS | | 36 | 42 | | | i | ZL | | 49 | 40 | |
| | | iSKKS | ZL | | 38 | 55 | | | eSS | ZL | 14 | 00 | 30 | |
| | | iSKSP | ZL | | 41 | 56 | | | Lr | ZL | | 11 | 00 | |
| | | i | NL | | 42 | 54 | 15° N - 93° 2' W; Ho=13-33-33,7; (0.8-22); h=64 Kms.; Mag. 4.9 (CGS); Cerca de la costa de Chia- pas, México. Sentido al Oeste de El Salvador. (U.S.C.G.S.) | | | | | | | |
| | | iPPS | ZL | | 45 | 46 | ----- | | | | | | | |
| | | iSS | NL,EL | | 53 | 52 | 936 | 14 | i(P) | ZS | 14 | 26 | 45 | |
| | | iSSP | ZL,EL | | 54 | 32 | | | | | dilatación | | | |
| | | iSSS | EL,NL,ZL | | 58 | 48 | | | i(PP) | ZS | | 28 | 11 | |
| | | i | NL | 23 | 04 | 45 | | | i | ZL | | 30 | 54 | |
| | | Lq | EL | | 16 | 00 | | | eSS | ZL | | 32 | 46 | |
| | | Lr | ZL | | 27 | 00 | | | Lq | NL | | 33 | 40 | |
| | | M | ZL | 00 | 30 | 00 | | | Lr | ZL | | 34 | 50 | |
| | | Lr | ZL | 80.0 | 11.8 | | | | | | | seg. micrones | | |
| D=18.610 Kms.=167°5 | | | | | | | | | Lr | ZL | 28.0 | 2.5 | | |
| 49° 1' S - 164° 2' E; Ho=22-07-03,2; (1.4-26); h=33 Kms.(R); Mag. 7 1/2 (Pas); 7 (BRK); 6.9 (CGS); Región Islas Auckland (U.S.C.G.S.) | | | | | | | 59° N - 32° W; Ho=14-22-43; Ocea- no Atlántico Norte (según Uppsala) | | | | | | | |
| 930 | 13 | eP | ZL | 10 | 37 | 22 | 937 | 14 | eP | ZS | 15 | 30 | 05 | |
| | | eS | NL | | 48 | 56 | | | Lr | ZL | | 46 | 00 | |
| | | Lr | ZL | | 49 | 00 | 28° N - 55° 8' E; Ho=15-21-09; (1.1-10); h=33 Kms.(R); Mag. 4.8 (CGS); Sur del Irán (U.S.C.G.S.) | | | | | | | |
| 15° 1' N - 44° 7' W; Ho=10-29-17* (1.3-12); h=33 Kms.(R); Mag. 4.3 (CGS); Al norte de la costa del Oceano Atlántico. (U.S.C.G.S.) | | | | | | | ----- | | | | | | | |
| 931 | 13 | Lr | ZL | 23 | 35 | 00 | 938 | 14 | iPn | ZS | 16 | 29 | 36,5 | |
| 58° 5' N - 30° 8' W; Ho=23-01-06*; (1.1-5); h=33 Kms.(R); Mag. 4.3 (CGS); Oceano Atlántico Norte. (U.S.C.G.S.) | | | | | | | | | | | Dilatación | | | |
| | | | | | | | | | iPg | ZS | | 29 | 45,5 | |
| | | | | | | | | | i | NS | | 29 | 49,5 | |
| | | | | | | | | | eSn | NS | | 30 | 09,5 | |
| | | | | | | | | | iSg | ES,NS,ZS | 30 | 25 | | |
| | | | | | | | | | | | seg. micrones | | | |
| | | | | | | | | | iSg | ES | 0.5 | 0.23 | | |
| 932 | 14 | iP | ZS | 06 | 25 | 15 | D=334 Kms.=3° | | | | | | | |
| | | | | | | | 36° 9' N - 4° 7' W; Ho=16-28-46; Mag. 4.2. Réplica. Sentido en Má- laga. Grado IV-V. (L.C.S.S.Madrid) | | | | | | | |
| | | eL | ZL | | 47 | 00 | 939 | 14 | Lr | ZL | 21 | 38 | 00 | |
| 59° 3' N - 32° 1' W; Ho=06-19-51*; (0.7-8); h=33 Kms.; Mag. 4.6 (CGS); Oceano Atlántico Norte (U.S.C.G.S.) | | | | | | | Trazas. | | | | | | | |
| 933 | 14 | eiP | ZS | 10 | 30 | 01 | ----- | | | | | | | |
| | | ipP | ZS | | 30 | 16 | 940 | 15 | iP | ZL,ZS | 15 | 42 | 29 | |
| | | Lr | ZL | | 57 | 30 | | | | | compresión | | | |
| 56° 7' N - 157° 4' W; Ho=10-17-46,6; (1.1-25); h=61 Kms. Mag. 5.7 (CGS); Península de Alaska (U.S.C.G.S.) | | | | | | | | | i(pP) | ZS | | 42 | 50 | |
| | | | | | | | | | iPP | ZL | | 45 | 56 | |
| | | | | | | | | | ePPP | ZL | | 47 | 44 | |
| | | | | | | | | | ePa | ZL | | 50 | 05 | |
| | | | | | | | | | iSKS | EL | | 52 | 51 | |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|----------------|---------------|------|------|----|
| 940 | 15 | (Continuación) | | | | |
| | | iS | NL | 15 | 53 | 14 |
| | | isS | NL | | 53 | 45 |
| | | ePS | ZL | | 54 | 44 |
| | | iSS | NL | | 59 | 44 |
| | | iSSS | NL | 16 | 02 | 40 |
| | | iSa | NL | | 06 | 28 |
| | | Lq | NL | | 07 | 00 |
| | | Lr | ZL | | 11 | 20 |
| | | | seg. micrones | | | |
| | | Lq | NL | 63.0 | 50.5 | |

D=9.920 Kms.=89°3

8°9 N - 93°1 E; Ho=15-29-32,2;
(0.5-22); h=37 Kms.; Mag. 5 1/2
(PAL); 6.2 (CGS); Región Islas
Nicobar (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 941 | 15 | Lr | ZL | 17 | 38 | 30 |
|-----|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|-----|----|----|----|----|----|----|
| 942 | 15 | Lr | ZL | 21 | 11 | 30 |
|-----|----|----|----|----|----|----|

Trazas.

54°5 S - 53°4 W; Ho=20-23-35,2;
(1.1-9); h=33 Kms.(R); Mag. 5.2
(CGS); Oceano Atlántico Sur.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|------|------------|----|----|----|
| 943 | 16 | iP | ZS | 01 | 39 | 16 |
| | | | Compresión | | | |
| | | iPP | ZL | | 42 | 57 |
| | | ePPP | ZL | | 44 | 38 |
| | | iS | NL,EL | | 49 | 58 |
| | | ePS | ZL | | 51 | 14 |
| | | iSS | NL,EL | | 56 | 18 |

D=9.900 Kms.=89°1

10°9 N - 93°1 E; Ho=01-26-26,9;
(1.4-32); h=47 Kms.; Mag. 5.7
(CGS); Región Islas Andaman.
(U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|------------|----|----|----|
| 944 | 16 | iP | ZS | 02 | 02 | 20 |
| | | | compresión | | | |
| | | iPP | ZL | | 04 | 48 |
| | | iS | EL,NL | | 12 | 06 |
| | | iSS | NL | | 16 | 45 |
| | | Lr | ZL | | 29 | 00 |

D=8.580 Kms.=77°2

60° N - 147°1 W; Ho=01-50-33,9;
(0.7-46); h=29 Kms.; Mag. 5 3/4
(PAS), 5 3/4 - 6 (PAL); 5.5 (CGS)
Alaska (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|------------|----|----|----|
| 945 | 16 | iP | ZS | 22 | 30 | 58 |
| | | | compresión | | | |
| | | Lq | NL | | 39 | 44 |
| | | Lr | ZL | | 41 | 20 |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|----------------|-------|---|---|---|
| 945 | 16 | (Continuación) | | | | |

22°9 N - 45°1 W; Ho=22-23-36,3;
(1.2-38); h=33 Kms.(R); Mag. 5
(PAL); 5.4 (CGS); Cresta del Atlán-
tico Norte (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|------------|----|----|------|
| 946 | 17 | iP | ZS | 07 | 53 | 35,5 |
| | | | dilatación | | | |
| | | iPP | ZS | | 54 | 04 |

Trazas.

15°6 S - 72°9 W; Ho=07-41-13,9;
(1.2-22); h=118 Kms.(R); Mag. 5.0
(CGS); Sur del Perú. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|---------------|------|-----|------|
| 947 | 17 | iP | ZS | 15 | 06 | 41,5 |
| | | | dilatación | | | |
| | | iPP | ES | | 06 | 54,5 |
| | | iS | NL | | 10 | 30 |
| | | Lr | ZL | | 11 | 40 |
| | | | seg. micrones | | | |
| | | Lr | ZL | 26.0 | 5.8 | |

D=2.445 Kms.=22°

45° N - 32° W; Ho=15-01-48; Cres-
ta media del Atlántico, al N.
de las Islas Azores. (B.C.I.S.)

44°5 N - 31°3 W; Ho=15-02-00,9;
(0.6-41); h=24 Kms.(R); Mag. 5.6
(CGS); Cresta del Atlántico Nor-
te (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|------------|----|----|------|
| 948 | 18 | iP | ZS | 00 | 14 | 18,5 |
| | | | dilatación | | | |
| | | iP | ZS | | 14 | 22 |
| | | S | NL | | 18 | 50 |
| | | L | NL | | 20 | 00 |

D=2.980 Kms.=26°8

36° N - 27° 3/4 E; Ho=00-08-50;
Mag. 5.2 (Pruhonice); Mar Mediter-
raneo, S.O. de Rodas (U.S.C.G.S.)

35°4 N - 28°8 E; Ho=00-08-42,6;
(1.3-20); Mag. 4.7 (CGS); Mar
Mediterraneo Este. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|---------------|------|------|------|
| 949 | 18 | iP | ZL | 13 | 17 | 12 |
| | | | compresión | | | |
| | | iPP | ZS | | 17 | 26,5 |
| | | iS | NL | | 21 | 00 |
| | | iSS | EL | | 21 | 07 |
| | | iLr | ZL | | 21 | 22 |
| | | | seg. micrones | | | |
| | | Lr | ZL | 22.0 | 20.0 | |

D=2.490 Kms.=21°4

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S | |
|---|-------|----------------|-------|------|------|------|---|--|----------------|---------------|---------------|---------------|----------|----------|
| 949 | 18 | (Continuación) | | | | | 954 | 21 | (Continuación) | | | | | |
| 39° N - 31° W; Ho=13-12-30; Archipiélago de las Azores. (B.C.I.S.) | | | | | | | 1P ₂ ZS 04 43 02 | | | | | | | |
| 39°8 N - 29°7 W; Ho=13-12-42,3; (1.2-34); h=20 Kms.; Mag. 5.5 (CGS); Islas Azores, (U.S.C.G.S.) | | | | | | | Trazas. 21°8 S - 179°6 W; Ho=04-23-19,7; (0.5-18); h=609 Kms.; Mag. 5.4 (CGS); Región Islas Fidji, (U.S.C.G.S.) | | | | | | | |
| 950 | 19 | iP | ZL | 05 | 20 | 25,5 | 955 | 21 | iPg | ZS | 17 | 39 | 54,3 | |
| compresión | | | | | | | compresión | | | | | | | |
| | | iPP | ZL | | 23 | 32 | | | i | ES | | 39 | 54,7 | |
| | | ePPP | ZL | | 25 | 13 | | | i | ES | | 39 | 58 | |
| | | ePa | ZL | | 28 | 16 | | | iSg | NS,ES | | 39 | 59,3 | |
| | | iS | NL,EL | | 30 | 40 | | | | seg. micrones | | | | |
| | | iSS | ZL | | 35 | 50 | | | iSg | NS | 1.0 | 0.33 | | |
| | | iSSS | NL | | 42 | 00 | | Explosión artificial en las cantarras de Yepes (Toledo). | | | | | | |
| | | Lr | ZL | | 45 | 30 | | 956 | 22 | i(Pg) | ZS | 06 | 52 47,5 | |
| | | M | ZL | | 49 | 00 | | | | iSg | ES | | 52 54 | |
| | | M | ZL | 23.0 | 2.5 | | | | | | seg. micrones | | | |
| D=9.245 Kms.=83°2 | | | | | | | | | | | iSg | ES | 0.6 0.02 | |
| 15°3 N - 94° W; Ho=05-08-15,1; (0.8-29); h=42 Kms.(R); Mag. 6 (PAS); 5 3/4 - 6 (BRK); 5.3 (CGS) Cerca de la costa de Daxaca. Mexico. (U.S.C.G.S.) | | | | | | | Trazas. | | | | | | | |
| 951 | 19 | Lr | ZL | 20 | 01 | 00 | 957 | 23 | iP | ZL | 05 | 12 | 22 | |
| 21°6 N - 120°9 E; Ho=19-41-21,8; (0.8-7); h=33 Kms.(R); Mag. 4.3 (CGS); Región de Taiwan. (U.S.C.G.S.) | | | | | | | Compresión | | | | | | | |
| 952 | 20 | ePP | ZL | 04 | 55 | 07 | | | i | ZS | | 12 | 34,5 | |
| | | iPKS | ZL | | 56 | 18 | | | iPP | ZL | | 15 | 46 | |
| | | iSS | NL | | 13 | 04 | | | iS | NL | | 22 | 58 | |
| | | eSSS | EL | | 17 | 55 | | | iPS | ZL | | 24 | 08 | |
| | | Lr | ZL | | 31 | 30 | | | iSS | NL | | 28 | 30 | |
| | | Lr | ZL | 40.0 | 1.7 | | | | iSSS | NL | | 32 | 40 | |
| 49°6 S - 116°2 W; Ho=04-33-29,4; (1.5-16); h=33 Kms.(R); Mag. 5.2 (CGS); Cordillera Isla de Pascua. (U.S.C.G.S.) | | | | | | | | | | | i(Sa) | EL | 34 | 50 |
| 953 | 20 | ePg | ZS | 09 | 20 | 59 | | | Lq | EL | | 37 | 00 | |
| | | eSn | ZS | | 21 | 20 | | | Lr | ZL,NL | | 40 | 50 | |
| | | eS* | ZS | | 21 | 28,5 | | | M | ZL | | 52 | 00 | |
| | | iSg | ES | | 21 | 38,5 | | | M | ZL | 18.0 | 5.3 | | |
| | | iSg | ES | 0.5 | 0.04 | | | D=9.700 Kms.=87°3 | | | | | | |
| Trazas. | | | | | | | 53°6 N - 163°9 W; Ho=04-59-47,4; (1.0-57); h=29 Kms.; Mag. 5 - 5 1/2 (BRK) 5.5 (CGS); Región Islas Unimak. (U.S.C.G.S.) | | | | | | | |
| 954 | 21 | iP' | ZS | 04 | 42 | 13 | 958 | 24 | e(Pg) | NS | 13 | 57 | 39,5 | |
| (Continúa) | | | | | | | seg. micrones | | | | | | | |
| | | | | | | | | | | | iSg | NS,ES | 58 06 | |
| | | | | | | | | | | | | seg. micrones | | |
| | | | | | | | | | | | | iSg | NS | 0.8 0.15 |
| | | | | | | | Trazas. | | | | | | | |
| 959 | 24 | Lr | ZL | 14 | 49 | 30 | 959 | 24 | Lr | ZL | 14 | 49 | 30 | |
| 43°5 N - 127°5 W; Ho=13-59-36,0; (1.7-32); h=14 Kms. Fuera de la costa de Oregon (U.S.C.G.S.) | | | | | | | | | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|-------------------------------------|-------|-------------------|---------------|-----|------|------|------|-------|-----------------------------------|---------------|------|-------|------|
| 960 | 24 | i | NS | 18 | 15 | 58,5 | 965 | 26 | (Continuación) | | | | |
| | | iSg | NS | | 16 | 02 | | | 17°7 S - 173°3 W; Ho=03-38-32,7; | | | | |
| | | | seg. micrones | | | | | | (0.6-25); h=33 Kms. (R); Mag. 5.1 | | | | |
| | | iSg | NS | 0.5 | 0.04 | | | | (CGS); Islas Tonga (U.S.C.G.S.) | | | | |
| Trazas. | | | | | | | | | | | | | |
| 37°N - 3°5 W; Ho=18-14-31; Mag. 4.0 | | | | | | | | | | | | | |
| Réplica. Próximo a Padul, Granada. | | | | | | | | | | | | | |
| (L.C.S.S. Madrid). | | | | | | | | | | | | | |
| 961 | 25 | eiP | ZL | 15 | 55 | 20 | 966 | 26 | iP | ZS | 07 | 41 | 45,5 |
| | | | (Compresión) | | | | | | compresión | | | | |
| | | ePP | ZL | | 58 | 54 | | | Trazas. | | | | |
| | | eS | NL | 16 | 05 | 54 | 967 | 26 | e | NS | 16 | 53 | 35,5 |
| | | ePS | ZL | | 07 | 22 | | | iSg | NS | | 53 | 56 |
| | | eSS | NL | | 11 | 54 | | | i | ZS | | 54 | 13 |
| | | Lq | NL | | 24 | 40 | | | | seg. micrones | | | |
| | | | | | | | | | iSg | NS | 0.9 | 0.003 | |
| 50°3 N - 176°6 E; Ho=15-42-17,9; | | | | | | | | | | | | | |
| (1.1-49); h=30 Kms. (R); Mag. 5.5 | | | | | | | | | | | | | |
| (CGS); Islas Rat, Aleutianas. | | | | | | | | | | | | | |
| (U.S.C.G.S.) | | | | | | | | | | | | | |
| 962 | 25 | eiP | ZS | 17 | 37 | 32 | 968 | 26 | eP" | ZL | 23 | 14 | 45 |
| | | Lr | ZL | 18 | 11 | 00 | | | ePP | ZL | | 17 | 40 |
| 53°6 N - 163°9 W; Ho=17-24-44,9; | | | | | | | | | | | | | |
| (1.0-22); h=33 Kms. (R); Mag. 5.1 | | | | | | | | | | | | | |
| (CGS); Región Islas Unimak. | | | | | | | | | | | | | |
| (U.S.C.G.S.) | | | | | | | | | | | | | |
| 963 | 25 | iP' | ZS | 23 | 47 | 09 | | | ePS | ZL | | 28 | 10 |
| | | | compresión | | | | | | Lq | EL | | 59 | 00 |
| | | iP' | ZS | | 48 | 27 | | | Lr | ZL | | 00 | 07 |
| | | epP' | ZS | | 48 | 50 | | | 4°9 S - 153°5 E; Ho=22-55-14,8; | | | | |
| (0.5-18); h=34 Kms.; Mag. 5.5 | | | | | | | | | | | | | |
| (CGS); Región Nueva Irlanda. | | | | | | | | | | | | | |
| (U.S.C.G.S.) | | | | | | | | | | | | | |
| 964 | 26 | iP | ZS | 00 | 56 | 56 | 969 | 27 | iP | ZS | 16 | 03 | 05 |
| | | | compresión | | | | | | | compresión | | | |
| | | i(pP) | ZS | | 57 | 02 | | | i(P) | ZS | | 03 | 10,5 |
| | | iS | NL,EL | 01 | 05 | 54 | | | iPP | ZL | | 06 | 04 |
| | | ePS | ZL | | 06 | 16 | | | ePa | ZL | | 09 | 31 |
| | | eSKS | NL | | 06 | 40 | | | iS | EL | | 13 | 12 |
| | | eSS | NL | | 10 | 16 | | | ei | NL | | 15 | 32 |
| | | eSSS | NL | | 13 | 40 | | | iSS | NL | | 18 | 23 |
| | | Lq | NL | | 23 | 00 | | | iSSS | NL | | 22 | 30 |
| D=7.610 Kms.=68°5 | | | | | | | | | | | | | |
| 30°1 N - 80°7 E; Ho=00-46-02,8; | | | | | | | | | | | | | |
| (0.6-32); h=50 Kms.; Mag. 6.2 | | | | | | | | | | | | | |
| (CGS); Región fronteriza Tibet- | | | | | | | | | | | | | |
| India (U.S.C.G.S.) | | | | | | | | | | | | | |
| 965 | 26 | eP ₂ ' | ZS | 03 | 58 | 59 | | | Lq | NL,EL | | 24 | 50 |
| | | ePP | ZL | 04 | 02 | 26 | | | Lr | ZL | | 32 | 00 |
| | | eSKS | ZL | | 05 | 24 | | | M | ZL | | 35 | 00 |
| | | eSS | NL | | 22 | 22 | | | seg. micrones | | | | |
| | | Lr | ZL | | 55 | 30 | | | M | ZL | 20.0 | 2.3 | |
| D=9.045 Kms.=81°4 | | | | | | | | | | | | | |
| 56°6 N - 152° W; Ho=15-50-54,7; | | | | | | | | | | | | | |
| (0.8-49); h=27 Kms. (R); Mag. 5 | | | | | | | | | | | | | |
| 1/4 (BRK); 5.4 (CGS); Región Is- | | | | | | | | | | | | | |
| las Kodiak. (U.S.C.G.S.) | | | | | | | | | | | | | |
| 970 | 28 | iP | ZS | 05 | 13 | 07,5 | | | dilatación | | | | |
| | | iPP | ZL | | 14 | 52 | | | Trazas. | | | | |
| | | iPPP | ZL | | 15 | 30 | | | 30°1 N - 80°7 E; Ho=00-46-02,8; | | | | |
| | | iS | NL,EL | | 19 | 41 | | | (0.6-32); h=50 Kms.; Mag. 6.2 | | | | |
| | | iSS | EL | | 23 | 00 | | | (CGS); Región fronteriza Tibet- | | | | |
| | | !iSS | ZL,NL | | 23 | 22 | | | India (U.S.C.G.S.) | | | | |
| | | Lq | NL | | 25 | 28 | | | D=7.610 Kms.=68°5 | | | | |
| | | Lr | ZL,EL | | 26 | 00 | | | 30°1 N - 80°7 E; Ho=00-46-02,8; | | | | |
| | | | (Continúa) | | | | | | (0.6-32); h=50 Kms.; Mag. 6.2 | | | | |
| | | | (Continúa) | | | | | | (CGS); Región fronteriza Tibet- | | | | |
| | | | (Continúa) | | | | | | India (U.S.C.G.S.) | | | | |

| <u>Núm.</u> | <u>Fecha</u> | <u>Fase</u> | <u>Comp.</u> | <u>H</u> | <u>M</u> | <u>S</u> |
|-------------|--------------|-------------|----------------|---------------|----------|----------|
| 970 | 28 | | (Continuación) | | | |
| | | M | ZL | 05 | 26 | 00 |
| | | | | seg. micrones | | |
| | | M | ZL | 36.0 | 5.1 | |

Un claro tren de corto periodo confundido con la SS.

D=5.090 Kms.=45°8
 1°2 S - 24°1 W; Ho=05-04-55,5; (0.8-44)
 h=37 Kms.; Mag. 5.5 (CGS); En el centro de la Cresta del Atlántico Medio.
 (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|---------------|------|------|
| 971 | 29 | ePg | NS | 05 | 20 | 19 |
| | | eSn | NS | | 20 | 43 |
| | | iSg | NS | | 20 | 58,5 |
| | | | | seg. micrones | | |
| | | iSg | NS | 0.8 | 0.09 | |

37°4 N - 2° W; Ho=05-19-28; h=33 Kms.
 Mag. 3.9; Próximo a Huerca-Overa.
 (Almeria). (L.C.S.S.Madrid)

| | | | | | | |
|-----|----|-------------------|----|---------------|-----|----|
| 972 | 29 | iP ₁ ' | ZL | 14 | 20 | 12 |
| | | | | compresión | | |
| | | iP ₁ ' | ZS | | 20 | 48 |
| | | i ² | ZL | | 22 | 45 |
| | | iPP | ZL | | 24 | 28 |
| | | iSKS | ZL | | 26 | 54 |
| | | ePPP | ZL | | 27 | 57 |
| | | eSKKS | ZL | | 30 | 40 |
| | | iSS | EL | | 44 | 32 |
| | | Lr | ZL | 15 | 15 | 48 |
| | | M | ZL | | 22 | 00 |
| | | | | seg. micrones | | |
| | | M | ZL | 20.0 | 3.0 | |

D=17.555Kms.=158°
 20°4 S - 174°4 W; Ho=14-00-14,9;
 (0.5-39); h=29 Kms.(R); Mag. 6. 1/2
 (PAS); 5 3/4 (BRK); 5.7 (CGS); Islas
 Tonga. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----|----|---------------|------|----|
| 973 | 30 | iP | ZS | 04 | 44 | 39 |
| | | | | (compresión) | | |
| | | ePP | ZL | | 45 | 16 |
| | | iS | EL | | 48 | 42 |
| | | Lr | ZL | | 50 | 08 |
| | | | | seg. micrones | | |
| | | Lr | ZL | 20.0 | 1.00 | |

D=2.645 Kms.=23°8
 34°7 N - 23°2 E; Ho=04-39-48; h=50
 Kms. Mediterraneo oriental al SW
 de Creta (B.C.I.S.)
 34°5 N - 23°4 E; Ho=04-39-44; (1.3-22)
 Mag. 4.6 (CGS); h= 43 Kms.; Creta.
 (U.S.C.G.S.)

Instituto Geográfico y Catastral

OBSERVATORIO CENTRAL GEOFISICO
"ALFONSO REY PASTOR"
TOLEDO

MOVIMIENTO MICROSISMICO

Mes de Septiembre de 1964

N - S

E - W

| Día | N - S | | | | | E - W | | | | | Car | | | | | | | |
|-----|-------|----|----|----|-----|-------|-------|----|---|----|-----|----|----|-----|----|-------|----|---|
| | O | | VI | | XII | | XVIII | | O | | | VI | | XII | | XVIII | | |
| | T | A | T | A | T | A | T | A | T | A | | T | A | T | A | T | A | |
| 1 | 30 | 08 | 30 | 06 | 30 | 05 | 30 | 05 | 2 | 20 | 05 | 20 | 04 | 25 | 03 | 30 | 04 | 2 |
| 2 | 30 | 05 | 30 | 05 | 30 | 05 | 30 | 05 | 3 | 25 | 03 | 25 | 04 | 30 | 03 | 25 | 04 | 3 |
| 3 | 30 | 05 | 30 | 05 | 30 | 05 | 30 | 05 | 3 | 20 | 05 | 20 | 04 | 25 | 03 | 30 | 03 | 3 |
| 4 | 25 | 07 | 30 | 05 | 30 | 07 | 30 | 08 | 3 | 25 | 04 | 30 | 04 | 30 | 04 | 30 | 05 | 3 |
| 5 | 35 | 06 | 30 | 08 | 30 | 08 | 35 | 06 | 3 | 30 | 05 | 30 | 05 | 30 | 05 | 30 | 04 | 3 |
| 6 | 30 | 07 | 30 | 07 | 35 | 06 | 30 | 06 | 3 | 30 | 04 | 30 | 05 | 30 | 04 | 30 | 04 | 3 |
| 7 | 30 | 05 | 35 | 04 | 30 | 07 | 30 | 06 | 3 | 30 | 04 | 30 | 04 | 30 | 05 | 25 | 04 | 3 |
| 8 | 30 | 07 | 30 | 05 | 35 | 04 | 30 | 06 | 3 | 30 | 04 | 25 | 06 | 25 | 04 | 30 | 04 | 3 |
| 9 | 30 | 07 | 30 | 07 | 35 | 06 | 35 | 05 | 3 | 30 | 07 | 30 | 05 | 30 | 05 | 35 | 04 | 3 |
| 10 | 35 | 06 | 35 | 05 | 30 | 07 | 35 | 06 | 2 | 30 | 05 | 30 | 05 | 30 | 04 | 35 | 04 | 2 |
| 11 | 30 | 08 | 30 | 06 | 30 | 04 | 30 | 05 | 3 | 30 | 04 | 25 | 04 | 25 | 03 | 30 | 03 | 3 |
| 12 | 30 | 03 | 30 | 03 | 30 | 05 | 30 | 05 | 3 | 30 | 04 | 30 | 03 | 30 | 03 | 30 | 03 | 3 |
| 13 | 30 | 03 | 30 | 05 | 30 | 03 | 30 | 02 | 3 | 30 | 04 | 30 | 04 | 30 | 03 | 30 | 04 | 3 |
| 14 | 25 | 03 | 30 | 03 | 30 | 02 | 30 | 05 | 3 | 30 | 02 | 30 | 03 | 30 | 02 | 25 | 02 | 3 |
| 15 | 30 | 06 | 30 | 05 | 30 | 05 | 30 | 04 | 3 | 30 | 04 | 45 | 03 | 30 | 04 | 30 | 04 | 3 |
| 16 | 30 | 07 | 30 | 07 | 30 | 07 | 30 | 07 | 3 | 30 | 05 | 30 | 04 | 30 | 05 | 25 | 07 | 3 |
| 17 | 30 | 10 | 30 | 09 | 30 | 08 | 30 | 08 | 2 | 30 | 05 | 30 | 04 | 30 | 04 | 30 | 05 | 2 |
| 18 | 35 | 06 | 30 | 05 | 30 | 07 | 30 | 05 | 3 | 30 | 04 | 30 | 04 | 35 | 03 | 30 | 04 | 3 |
| 19 | 30 | 07 | .. | .. | 35 | 04 | 30 | 05 | 3 | 30 | 04 | 30 | 04 | 30 | 02 | 20 | 03 | 3 |
| 20 | 30 | 06 | 30 | 05 | 30 | 05 | 30 | 05 | 3 | 25 | 04 | 30 | 04 | 30 | 03 | 20 | 05 | 3 |
| 21 | 30 | 05 | 30 | 07 | 35 | 06 | 35 | 06 | 3 | 35 | 03 | 30 | 04 | 30 | 04 | 30 | 04 | 3 |
| 22 | 30 | 08 | 30 | 07 | 35 | 06 | 30 | 07 | 3 | 30 | 06 | 35 | 03 | 30 | 05 | 30 | 04 | 3 |
| 23 | 30 | 05 | 30 | 05 | 30 | 05 | 30 | 05 | 3 | 30 | 04 | 30 | 05 | 30 | 04 | 30 | 04 | 3 |
| 24 | 30 | 05 | 30 | 05 | 30 | 06 | 30 | 07 | 3 | 30 | 04 | 30 | 05 | 30 | 06 | 30 | 06 | 3 |
| 25 | 55 | 03 | 30 | 06 | 30 | 07 | 35 | 06 | 3 | 30 | 04 | 30 | 04 | 30 | 04 | 30 | 04 | 3 |
| 26 | 30 | 04 | 30 | 04 | 30 | 05 | 30 | 05 | 3 | 30 | 04 | 25 | 05 | 25 | 04 | 30 | 04 | 3 |
| 27 | 30 | 05 | 30 | 05 | 30 | 03 | 30 | 03 | 3 | 30 | 03 | 30 | 03 | 30 | 03 | 30 | 04 | 3 |
| 28 | 25 | 05 | 30 | 05 | 30 | 05 | 30 | 07 | 3 | 30 | 04 | 25 | 05 | 30 | 04 | 35 | 06 | 3 |
| 29 | 35 | 06 | 30 | 07 | 30 | 08 | 30 | 07 | 3 | 35 | 06 | 30 | 05 | 35 | 06 | 35 | 04 | 3 |
| 30 | 30 | 05 | .. | .. | .. | .. | 30 | 08 | 3 | 30 | 05 | .. | .. | .. | .. | 30 | 06 | 3 |

Los números de las columnas T representan décimas de segundo, y los números de las columnas A décimas de micron.

G. Payo
Director.

Ana M^ª. G.-Menor.

Instituto Geográfico y Catastral

 OBSERVATORIO CENTRAL GEOPISICO
 "ALFONSO REY PASTOR"
 DE TOLEDO (ESPAÑA)

Naturaleza del terreno: Mioceno Superior.

Coordenada de la Estación:

L = 39°52'53"

M = 04°02'55"

Z = 480,45 m.

MES DE OCTUBRE DE 1964

CONSTANTES DE LOS SISMOGRAFOS:

| Aparato | Masa Kg | Periodo T_0 | Rozamiento $\frac{r}{T_0^2}$ | Amplitud V | Amortgto e |
|-------------|------------|------------------|---------------------------------|---------------|---------------|
| Wiechert ZT | 1200 | 3.7 | 0.192 | 1800 | 4.3 |
| " ET | 1000 | 10.5 | 0.038 | 738 | 2.7 |
| " NT | 1000 | 12.0 | 0.025 | 768 | 3.3 |
| " EX | 800 | 8.2 | 0.014 | 263 | 3.2 |
| " NX | 800 | 7.5 | 0.060 | 364 | 3.1 |

| Aparato | Periodo péndulo T | Periodo Galv. T_1 | Amortgto μ^2 | Amplitud máxima A_m |
|-----------------|-------------------------|---------------------------|---------------------|--------------------------|
| Sprengnether ZG | 1.70 | 1.70 | 0.38 | -- |
| " EG | 14.3 | 14.3 | 0.30 | 1.780 |
| " NG | 13.0 | 13.0 | -0.31 | 1.735 |

Equipos Standard.

- 1.- Sprengnether (Standard) de periodo largo, ($T_p=30$ s. $T_g=100$ s.)
Sus componentes serán designadas por ZL, EL, NL.
- 2.- Beniof (Standard) de periodo corto ($T_p=1.0$ s. $T_g=0,75$ s.)
Sus componentes serán designadas por ZS, ES, NS.

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|------------|----|------|------|-------|------|---------------|-----|------|----|
| 974 | 1 | iP | ZS | 02 | 42 | 11,5 | 975 | 1 | eSg | ES | 03 | 35 | 03 |
| | | | | compresión | | | | | | seg. micrones | | | |
| | | eS | ZL | 49 | 20 | | | | eSg | ES | 0.5 | 0.02 | |
| | | eSS | EL | 53 | 02 | | | | | | | | |
| | | Lr | ZL | 58 | 00 | | | | | | | | |

Trazas.

10° 5 S - 13° 3 W; Ho=02-33-03*
 (0.7-6); h=33 Kms.(R); Mag: 5.1
 (CGS); Región Islas Ascensión
 (U.S.C.G.S.)

976 1 eP ZS 18 42 11
 eS NL 52 12
 Lr ZL 19 01 00

49°3 N - 128°8 W; Ho=18-30-01,9;
 (1.3-23); h=9 Kms.; Mag. 4 1/2 -
 4 3/4 (BRK) 5.3 (CGS); Región Is-
 las Vancouver (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|---------------|-----|----|------|
| 989 | 4 | ePg | NS | 12 | 04 | 50,5 |
| | | iS* | NS | | 05 | 16,5 |
| | | iSg | NS,ES | | 05 | 28 |
| | | | seg. micrones | | | |
| | | iSg | NS | 0.6 | | 0.01 |

Trazas.

| | | | | | | |
|-----|---|-----|----|----|----|--------------|
| 990 | 4 | eiP | ZS | 23 | 01 | 20,5 |
| | | | | | | (compresión) |

37°8 N - 20°9 E; Ho=22-57-03,4;
(0.4-8); h=90 Kms.; Mag. 4.0 (CGS)
Mar Jónico. (U.S.C.G.S.)

| | | | | | | |
|-----|---|-------|---------------|-----|----|------|
| 991 | 5 | e(Pg) | ZS | 00 | 29 | 15,5 |
| | | iSg | NS | | 30 | 01,5 |
| | | | seg. micrones | | | |
| | | iSg | NS | 0.8 | | 0.01 |

Trazas.

| | | | | | | |
|-----|---|----|---------------|------|----|------------|
| 992 | 5 | iP | ZS | 03 | 48 | 18,5 |
| | | | | | | dilatación |
| | | eS | NL | | 59 | 20 |
| | | Lr | ZL | 04 | 21 | 00 |
| | | M | ZL | | 32 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 24.0 | | 1.2 |

42°6 N - 142°6 E; Ho=03-35-08,4
(0.8-19); h=38 Kms.; Mag. 5.0
(CGS); Región de Hokkaido. Japón
(U.S.C.G.S.)

| | | | | | | |
|-----|---|-------------------|----|----|----|--------------|
| 993 | 5 | eB ₂ ' | ZS | 08 | 50 | 49 |
| | | | | | | (compresión) |
| | | Lr | ZL | 09 | 45 | 00 |

Débil.

16°7 S - 173°7 W; Ho=08-30-15,7;
(1.2-24); h=33 Kms.(R); Mag. 5.1
(CGS); Islas Tonga (U.S.C.G.S.)

| | | | | | | |
|-----|---|--------------------|----|----|----|--------------|
| 994 | 5 | eiP ₂ ' | ZS | 14 | 19 | 39,5 |
| | | | | | | (compresión) |

Débil.

22°2 S - 175°8 W; Ho=13-58-56,9;
(1.6-23); h=33 Kms.(R); Mag. 5.1
(CGS); Región Islas Tonga. (U.S.
C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 995 | 5 | Lr | ZL | 23 | 01 | 30 |
|-----|---|----|----|----|----|----|

36° N - 141°2 E; Ho=22-10-16,5;
(0.7-13); h=62 Kms.; Mag. 4.9
(CGS); Cerca de la Costa de Honshu;
Japón. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|---------|-------|------|-------|----|----|----|
| 996 | 6 | Lr | ZL | 01 | 17 | 40 |
| Trazas. | | | | | | |

| | | | | | | |
|-----|---|----|----|----|----|------------|
| 997 | 6 | iP | ZS | 03 | 06 | 27 |
| | | | | | | compresión |

30°3 N - 94°6 E; Ho=02-54-32,7;
(0.8-7); h=33 Kms.(R); Mag. 4.5
(CGS); Tibet. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|------------|
| 998 | 6 | iP | ZS | 14 | 35 | 18 |
| | | | | | | compresión |

40°2 N - 28°1 E; Ho=14-29-55,6;
(0.9-55); h=10 Kms.(R); Mag. 5.1
(CGS); Turquía. (U.S.C.G.S.)

40° N - 28° E; Ho=14-29-57; Premoní-
torio del siguiente (B.C.I.S.)

| | | | | | | |
|-----|---|--------|-------|------|----|---------------|
| 999 | 6 | iP | ZL,ZS | 14 | 36 | 42 |
| | | | | | | dilatación |
| | | iPL | ZL | | 36 | 42 |
| | | iPP | ZT | | 37 | 12 |
| | | iPPP | NX | | 37 | 36 |
| | | i | ZL | | 38 | 16 |
| | | i | ZL | | 39 | 06 |
| | | i | ZL | | 39 | 48 |
| | | iPcP | ZT | | 40 | 09 |
| | | i(PcP) | ZL | | 40 | 25 |
| | | iS | NL | | 41 | 04 |
| | | Lr | ZL | | 41 | 12 |
| | | iSS | NT | | 42 | 13 |
| | | M | ZL | | 46 | 00 |
| | | F | ZL | 19 | 00 | 00 |
| | | | | | | seg. micrones |
| | | M | ZL | 24.0 | | 148,4 |

D=2.835 Kms.=25°5. Mag. 7,8

40° N - 28° E; Ho=14-31-20;
Anatolia occidental. Cerca de
Mangas. Mag. 6 3/4 - 7 (Upp); 6.6
- 6,9 (Pruhonice); 6 1/2 - 63/4
(Strasb). Sentido IX en Mangas
(40°02' N - 27°58' E). Aparición
de aguas termales en la región
epicentral; 19 muertos, 26 heridos
más de 4000 casas destruidas. 150
réplicas en 17 horas (según Estambul,
Kandilli) (B.C.I.S.)

40°3 N - 28°2 E; Ho=14-31-19,2;(0,7-67)
6 3/4 - 7 (BRK) 6 1/4 (PAL); 6.0
(CGS). Turquía. 19 muertos, varios
heridos y grandes daños al Oeste
de Turquía. Aparición de grietas
y aguas termales en el area epi-
central. Sentido en una gran ex-
tensión alrededor del mar Negro.
(U.S.C.G.S.); h=10Kms(R).Mag.6 3/4-7
(Pas)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|-------|-------|------|------|---------------|--|-------|------|----------------|----|----|------------|
| 1000 | 6 | eiP | ZS | 19 | 32 | 14,5 | 1006 | 10 | | (Continuación) | | | |
| | | iB' | ZS | | 32 | 31 | | | | | | | dilatación |
| | | | | | | | | | i | ZS | 20 | 19 | 28 |
| | | | | | | | | | Lr | ZL | 49 | 40 | |
| Débil. 16°1 S - 168°6 E; Ho=19-12-12; (0.6-23); h=21 Kms.; Mag. 5.4 (CGS) Islas Nuevas Hébridás. (U.S.C.G.S.) | | | | | | | Trazas. ----- 1007 11 iP ZS 14 31 47 compresión | | | | | | |
| 1001 | 6 | iP | ZS | 20 | 30 | 35 | 17°9 S - 71°5 W; Ho=14-19-11,5; (1.3-24); h=35 Kms.; Mag. 5.2. Cer- ca de la costa del Perú. Sentido en Arequipa. (U.S.C.G.S.) | | | | | | |
| | | | | | | compresión | | | | | | | |
| Débil. 29°3 N - 80°9 E; Ho=20-19-34,1; (0.5-30); h=27 Kms.; Mag. 5.1 (CGS) Región fronteriza Nepal-India. (U.S.C.G.S.) | | | | | | | ----- 1008 11 ePP ZS 21 34 52,5 ePS ZL 45 30 ePPS NL 45 42 iSS NL 51 16 iSSS NL 54 56 Lq NL 59 00 Lr ZL 22 07 00 M NL 31 00 seg. micrones M NL 50.0 26.3 | | | | | | |
| 1002 | 7 | iP | ZS | 00 | 59 | 42,5 | 0°6 S - 121°7 E; Ho=21-15-03,9; (1.5-44); h=33 Kms(R); Mag. 6 1/4 6 1/2 (Pal); 6.3 (CGS); Norte de las Célebes. (U.S.C.G.S.) | | | | | | |
| | | i | ZS | | 59 | 50 | | | | | | | |
| | | Lr | ZL | 01 | 05 | 40 | | | | | | | |
| | | | | | | seg. micrones | | | | | | | |
| | | Lr | ZL | 20.0 | 0.8 | | | | | | | | |
| 53° N - 36°2 W; Ho=00-54-18; (1.4-13); h=33 Kms.(R); Mag. 4.5 (CGS); Oceano Atlántico Norte. (U.S.C.G.S.) | | | | | | | ----- 1009 12 iSg ZS 08 03 47,5 | | | | | | |
| 1003 | 9 | iP | ZS | 20 | 07 | 53 | | | | | | | |
| | | | | | | compresión | | | | | | | |
| 57° N - 151°9 W; Ho=19-55-34,7; (0.7-12); h=17 Kms.; Mag. 5.1 (CGS); Región Islas Kodiak. (U.S.C.G.S.) | | | | | | | Trazas. ----- 1010 12 eiPP ZS 16 02 53,5 ePS ZL 12 42 ePPS ZL 14 16 e(SS) EL 19 20 Lq EL 38 30 Lr ZL 41 40 | | | | | | |
| 1004 | 10 | ePg | NS | 02 | 20 | 13 | 3° N - 126°7 E. Ho=15-42-54,7; (1.4-41); h= 59 Kms.; Mag. 5 3/4 - 6 (Pal); 5.9 (CGS); Islas Taland. (U.S.C.G.S.) | | | | | | |
| | | eSn | NS | | 20 | 32,5 | | | | | | | |
| | | iSg | NS | | 20 | 48,5 | | | | | | | |
| | | | | | | seg. micrones | | | | | | | |
| | | iSg | NS | 0.8 | 0.29 | | | | | | | | |
| D=300 Kms.=2°70 | | | | | | | ----- 1011 12 iSS NL 22 32 40 Lq NL 46 20 Lr ZL 49 00 | | | | | | |
| 37°4 N - 2°7 W; Ho= 02-19-19,7; h=33 Kms.; Mag. 4.3. Próximo a Carrilles (Granada). (L.C.S.S.Ma- drid). | | | | | | | ----- 1012 13 Lr ZL 11 50 00 | | | | | | |
| 1005 | 10 | iP | ZS | 19 | 50 | 29,5 | 31°3 S - 110°8 W; Ho=21-55-33,2; (0.6-21); h=25 Kms.; Mag. 6 1/4 (Pas); 6 1/4 (BRK); 5 3/4 (Pal) 6.0 (CGS). Región Isla de Pascua. (U.S.C.G.S.) | | | | | | |
| | | | | | | compresión | | | | | | | |
| | | i(pP) | ZS | | 50 | 35,5 | | | | | | | |
| 60°4 N - 146°1 W; Ho=19-38-47,7; (0.5-22); h=44 Kms.; Mag. 4 1/2 - 4 3/4 (BRK); 5.3 (CGS); Sur de Alas ka. (U.S.C.G.S.) | | | | | | | ----- 1013 S - 149°9 E; Ho=10-38-59,3; (1.4-12); h=59 Kms.; Mag.5.1 (CGS) Mar de Bismark. (U.S.C.G.S.) | | | | | | |
| 1006 | 10 | iP | ZS | 20 | 12 | 22,5 | | | | | | | |
| | | | | | | (continúa) | | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|-------|-------|------|------|---------------|--|-------|------|----------------|------|------|----|
| 1013 | 13 | iP | ZS | 23 | 12 | 06,5 | 1019 | 16 | | (Continuación) | | | |
| | | ipP | ZS | | 12 | 55,5 | | | iPS | ZL,NL | 07 | 25 | 12 |
| | | | | | | | | | iSS | NL | | 30 | 08 |
| | | | | | | | | | iSSS | NL | | 34 | 00 |
| | | | | | | | | | Lq | EL | | 41 | 00 |
| | | | | | | | | | Lr | ZL | | 42 | 30 |
| | | | | | | | | | i | NL,ZL | | 44 | 10 |
| | | | | | | | | | M | ZL | | 59 | 00 |
| | | | | | | | | | | seg. micrones | | | |
| | | | | | | | | | M | ZL | 20.0 | 43.3 | |
| 35°8 N - 71°1 E; Ho=23-02-26*; (0.4-10); h=120 Kms. Mag. 5.8 (CGS) Oeste de Pakistan. (U.S.C.G.S.) | | | | | | | D=9.780 Kms.=88° | | | | | | |
| 1014 | 14 | eP | ZL | 03 | 26 | 54 | 44°3 N - 149°5 E; Ho=06-59-38,6; (1.3-32); h=33 Kms. (R); Mag. 5.5 (CGS); Islas Kuriles (U.S.C.G.S.) | | | | | | |
| | | e(PP) | ZL | | 31 | 44 | | | | | | | |
| | | Lr | ZL | | 55 | 00 | | | | | | | |
| Trazas. | | | | | | | Trazas. | | | | | | |
| 1015 | 14 | Lr | ZL | 10 | 25 | 00 | 1020 | 16 | eP | ZS | 08 | 31 | 37 |
| Trazas. | | | | | | | | | M | EL | 09 | 18 | 00 |
| 1016 | 14 | Lr | ZL | 17 | 54 | 00 | | | | seg. micrones | | | |
| Trazas. | | | | | | | | | M | ZL | 20.0 | 14.6 | |
| 14°8 N - 54°1 E; Ho=17-26-05; Mar de Arabia. (según Mosen). | | | | | | | Enmascarado por el anterior. | | | | | | |
| 1017 | 15 | iP | ZS | 20 | 40 | 02 | 44°6 N - 149°4 E; Ho=08-18-28,3; (0.8-51); h=33 Kms. (R); Mag. 5.2 (CGS); 6 - 6 1/4 (Pal); Islas Ku- riles (U.S.C.G.S.) | | | | | | |
| | | | | | | dilatación | 1021 | 16 | eP | ZS | 09 | 31 | 31 |
| | | i | ZS | | 40 | 58 | | | M | ZL | | 10 | 17 |
| | | ePP | ZL | | 43 | 34 | | | | seg. micrones | | | |
| | | ePPP | ZL | | 45 | 42 | | | M | ZL | 20.0 | 21.3 | |
| | | iSKS | ZL,NL | | 50 | 47 | | | | | | | |
| | | iS | EL | | 51 | 10 | | | | | | | |
| | | iPS | ZL | | 52 | 22 | | | | | | | |
| | | iSS | NL | | 57 | 52 | | | | | | | |
| | | iSSS | NL | 21 | 01 | 32 | | | | | | | |
| | | iSa | ZL | | 05 | 00 | | | | | | | |
| | | Lq | EL | | 06 | 46 | | | | | | | |
| | | Lr | ZL | | 11 | 20 | | | | | | | |
| | | M | ZL | | 26 | 00 | | | | | | | |
| | | | | | | seg. micrones | | | | | | | |
| | | M | ZL | 21.0 | 11.6 | | | | | | | | |
| D=10.555 Kms.=95° | | | | | | | 44°7 N - 149°8 E; Ho=20-26-53,5; (0.8-17); h=49 Kms. (R); Islas Kuri- les (U.S.C.G.S.) | | | | | | |
| 1018 | 15 | eiP | ZS | 23 | 11 | 58,5 | 34°7 N - 4°8 W; Ho=19-23-39; h=33 Kms.; Mag. 4.7. Marruecos (L.C.S.S. Madrid). | | | | | | |
| | | Lr | ZL | | 38 | 00 | | | | | | | |
| 56°8 N - 151°9 W; Ho=22-59-43,6; (0.8-12); h=33 Kms. (R); Mag. 5.2 (CGS); Región Islas Kodiak. (U.S. C.G.S.) | | | | | | | Muy débil. | | | | | | |
| 1019 | 16 | iP | ZL | 07 | 12 | 48 | 1023 | 17 | ePn | ZS | 00 | 30 | 25 |
| | | | | | | compresión | | | ePg | NS | | 30 | 38 |
| | | i | ZS | | 13 | 07 | | | iSg | NS,ES | | 31 | 10 |
| | | iPP | ZL | | 16 | 28 | | | | seg. micrones | | | |
| | | iPPP | ZL | | 18 | 28 | | | iSg | NS | 0.8 | 0.07 | |
| | | iS | NL | | 23 | 27 | | | | | | | |
| (Continúa) | | | | | | | 37°8 N - 2°5 W; Ho=00-29-51; h=33 Kms. Mag. 3.9; Próximo a Orce (Granada) (L.C.S.S. Madrid) | | | | | | |

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|------|-------|--------------|----|------|---|-------|---------|-------|--------------|----|------|
| 1024 | 17 | eP" | ZS | 01 | 58 | 01,5 | 1032 | 18 | iP | ZS,ZL | 09 | 17 | 52,5 |
| | | | | (dilatación) | | | | | | | dilatación | | |
| | | ipP" | ZS,ZL | | 58 | 13 | | | i | ZS | | 17 | 59 |
| | | ePP | ZL | 02 | 01 | 28 | | | ePP | ZL | | 20 | 40 |
| | | e | ZL | | 13 | 44 | | | eS | ZL | | 27 | 28 |
| | | Lr | ZL | | 36 | 00 | | | Lr | ZL | | 41 | 40 |
| 7° S - 155° E; Ho=01-38-36; (0.8-21); h=58 Kms. Mag. 4.7 (CGS) Islas Salomón. (U.S.C.G.S.) | | | | | | | 2° N - 65° E; Ho=09-06-26; (1.0-36); h=33 Kms.(R); Cresta Carlsberg. (U.S.C.G.S.) | | | | | | |
| 1025 | 17 | iP | ZS | 02 | 11 | 49,5 | 1033 | 18 | eP | ZL | 12 | 46 | 50 |
| | | | | dilatación | | | | | | | difractada | | |
| 59° N - 145° W; Ho=02-00-03,3; (0.8-11); h=33 Kms.(R); Mag. 5.2 (CGS); Golfo de Alaska. (U.S.C.G.S.) | | | | | | | | | epP | ZL | | 49 | 07 |
| | | | | | | | | | iP" | ZS,ZL | | 50 | 18,5 |
| | | | | | | | | | | | dilatación | | |
| 1026 | 17 | Lr | ZL | 07 | 13 | 00 | | | i | ZS | | 50 | 36 |
| 42° N - 131° E; Ho=06-34-50*; (1.1-12); h=513 Kms.; Mag. 4.5 (CGS). Región fronteriza entre el E de Rusia, NE de China. (U.S.C.G.S.) | | | | | | | | | ipP" | ZS,ZL | | 52 | 07,5 |
| | | | | | | | | | iPP | ZL | | 52 | 30 |
| | | | | | | | | | iPKS | ZL | | 54 | 00 |
| | | | | | | | | | iPPP | ZL | | 54 | 48 |
| | | | | | | | | | eSKS | ZL | | 56 | 36 |
| | | | | | | | | | eSKKS | NL | | 58 | 07 |
| | | | | | | | | | i(sSKS) | ZL,EL | 13 | 01 | 07 |
| 1027 | 17 | Lr | ZL | 08 | 56 | 00 | | | i | ZL | | 03 | 50 |
| Trazas. | | | | | | | | | i | NL | | 05 | 58 |
| | | | | | | | | | isSS | EL | | 11 | 32 |
| | | | | | | | | | iSSS | ZL | | 12 | 52 |
| 1028 | 17 | iP | ZS | 09 | 55 | 40,5 | 7° S - 124° E; Ho=12-32-24,1; (1.4-23); h=574 Kms. Mag. 5.8 (CGS); Mar de Banda. (U.S.C.G.S.) | | | | | | |
| | | i | ZS | | 55 | 49 | | | | | | | |
| | | iS | EG | 10 | 00 | 04 | | | | | | | |
| | | iSS | EG | | 00 | 54 | | | | | | | |
| 34° N - 25° E; Ho=09-50-29; h=33 Kms.; Al SE de Creta. (B.C.I.S.) | | | | | | | 1034 | 18 | eiP | ZS | 13 | 00 | 13 |
| | | | | | | | | | i | ZS | | 03 | 23 |
| Trazas. | | | | | | | | | | | | | |
| 1029 | 17 | iP | ZS | 14 | 55 | 12,5 | 1035 | 18 | Lr | ZL | 23 | 00 | 00 |
| | | | | dilatación | | | | | | | Trazas. | | |
| | | ePP | ZL | | 56 | 40 | | | | | | | |
| | | Lr | ZL | | 15 | 04 | | | | | | | |
| 26° N - 44° W; Ho=14-48-10,9; (0.9-25); h=33 Kms.(R); Mag. 4.9 (CGS); Cresta del Atlántico Norte (U.S.C.G.S.) | | | | | | | 1036 | 19 | Lr | ZL | 22 | 12 | 00 |
| 44° N - 149° E; Ho=06-16-35,2; (0.8-34); h=33 Kms.(R); Mag. 5.1 (CGS); Islas Kuriles. (U.S.C.G.S.) | | | | | | | 36° S - 73° W; Ho=21-17-59,8; (0.3-16); h=33 Kms.(R); Mag. 4.9 (CGS); Cerca de la costa central de Chile. (U.S.C.G.S.) | | | | | | |
| 1030 | 17 | e | ZL | 15 | 30 | 16 | 1037 | 20 | eiP | ZS | 08 | 53 | 21,5 |
| | | Lr | ZL | | 50 | 00 | | | | | (compresión) | | |
| Trazas. | | | | | | | Trazas. | | | | | | |
| 1031 | 18 | eP | ZG | 06 | 29 | 48 | 1038 | 21 | Lr | ZL | 00 | 00 | 40 |
| | | Lr | ZL | | 07 | 13 | | | | | | | |
| Trazas. | | | | | | | Trazas. | | | | | | |
| 44° N - 149° E; Ho=06-16-35,2; (0.8-34); h=33 Kms.(R); Mag. 5.1 (CGS); Islas Kuriles. (U.S.C.G.S.) | | | | | | | 14° N - 60° W; Ho=23-34-59,4; (1.0-14); h=33 Kms.(R); Mag. 4.2 (CGS); Islas Windward (U.S.C.G.S.) | | | | | | |

Núm. Fecha Fase Comp. H M S
 1039 21 eP ZS 07 50 05,5
 Lr ZL 08 13 00

44°8 N - 111°6 W; Ho=07-38-31;
 (2.0-58); h=33 Kms.(R); Mag. 5,8
 (CGS); 5.1/4 (BRK); 5 1/2 (PAL);
 Región del Lago de Hebyen.
 (U.S.C.G.S.)

1040 21 iPg ZS,EL 11 49 56
 iSg ES 50 01
 i ES 50 06,5
 seg. micrones
 i ES 0.8 0.14

Explosión artificial en las cante-
ras de Yepes. (Toledo).

1041 21 Lr ZL 13 13 30

Trazas.

1042 21 iP ZS 19 19 38
 compresión
 i(PP) ZS 20 06,5
 eS NL 21 32
 Lr ZL 21 35
 seg. micrones
 Lr ZL 14.0 1.0

D=1066 Kms.=9°6

36°3 N - 4°5 E; Ho=19-17-51;
 Bibous, Argelia. Sentido VII en
 Tazmalt, Región de Akbou. (B.C.I.S.)

36°4 N - 4°3 E; Ho=19-17-50;
 (1.1-9); h=33 Kms.(R); Mag. 4.4
 Argelia. (U.S.C.G.S.)

1043 21 e ZS 21 21 42,5

Trazas.

1044 21 iP ZL 23 21 16
 compresión
 iPP ZL 24 10
 iPPP ZL 26 04
 i ZL 27 24
 iS NL 31 10
 iPS EL 31 36
 iPPS ZL 31 59
 iSS EL 37 52
 eSSS NL 39 26
 Lq NL,EL 43 00
 Lr ZL 46 00
 M ZL 00 01 00
 seg. micrones
 M ZL 18.0 27.3

D=8.755 Kms.=78°8

(Continúa)

Núm. Fecha Fase Comp. H M S
 1044 21 (continuación)

28°1 N - 93°8 E; Ho=23-09-18,8;
 (0.9-50); h=37 Kms.; Mag. 5.9
 (CGS); Región fronteriza India-China
 (U.S.C.G.S.)

1045 22 Lr ZL 10 42 30

36°7 N - 141°1 E; Ho=09-54-36,9;
 (1.3-19); h=40 Kms.(R); Cerca de la
 costa de Honshu. Japón. Sentido en
 el area de Tokyo. Mag. 4.8 (CGS);
 (U.S.C.G.S.)

1046 23 iP ZL 02 04 50
dilatación

i ZL 05 15
 iPP ZL 06 42
 iPPP ZL 07 40
 i ZL 10 46
 iS EL 11 50
 iScS EL 14 08
 iSS EL 15 24
 iSSS EL 16 25
 Lq NL 17 28
 Lr ZL 18 31
 seg. micrones
 Lr ZL 34.0 45.3

D=5.445 Kms.=49°

19°8 N - 56° W; Ho=01-56-03,2;
 (1.1-79); h=31 Kms.(R); Mag. 6 3/4
 (PAS); 6 1/2 (BRK); 6.4 (CGS);
 Oceano Atlántico norte. Sentido
 a bordo del "P.V. Chain", a 19°
 57' N - 55° 31' W; (U.S.C.G.S.)

1047 23 eiP' ZS 21 19 35
 ePP ZL 23 16
 eS EL 30 10
 ePS ZL,NL 31 44
 e(SS) NL 37 50
 eSSS NL 40 46
 Lq EL 51 40
 Lr ZL 56 00
 M ZL 22 04 00
 seg. micrones
 M ZL 22.0 2.6

44° N - 147°5 E; Ho=21-06-24,2;
 (0.6-45); Mag. 5.9 (CGS); h=45 Kms.
 (R); Islas Kuriles (U.S.C.G.S.)

1048 25 iP ZS 06 37 33,5
 compresión
 epP ZS 37 57

Trazas.

2° S - 77°2 W; Ho=06-25-48,6;
 (Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|------|----------------|----|----|------|--|-------|------|----------------|---|---|---|
| 1048 | 25 | | (Continuación) | | | | 1056 | 27 | | (Continuación) | | | |
| (1.0-25); h=160 Kms.(R); Ecuador, Mg. 5.3 (CGS); (U.S.C.G.S.) | | | | | | | seg. micrones Lr NL 26.0 6.6 | | | | | | |
| 1049 | 25 | iP | ZS | 12 | 28 | 34,5 | 47°7 N - 15°1 E; Ho=19-46-11; (seg. Wien). 47°40' N - 16°03' E; Austria al sur de Wienerneustadt, fuertemente sentido en la mitad de Austria, intensamente VI, IV-V en Wien. (B.C.I.S.) | | | | | | |
| Trazas. 21°7 S - 179°2 W; Ho=12-08-46,9; (0.6-28); h=534 Kms.; Mag. 5.5 (CGS); Región Islas Fidji. (U.S.C. G.S.) | | | | | | | 1057 27 Lr ZL 21 28 00 | | | | | | |
| 1050 | 25 | eSg | ZS | 13 | 15 | 35 | 27°6 S - 156°7 W; Ho=20-00-35*; (0.8-13); h=133 Km.; Mag. 4.5 (CGS); Islas Keelabe. (U.S.C.G.S.) | | | | | | |
| Débil. | | | | | | | 1058 27 eLP ZS 21 43 29 (dilatación) | | | | | | |
| 1051 | 25 | iP | ZS | 23 | 08 | 37 | ePP ZS 45 10 iSS PL 22 01 58 iSS PL 06 44 Lr PL 16 20 Lr ZL 21 40 M ZL 39 00 seg. micrones M ZL 12.0 6.6 | | | | | | |
| 2° S - 79° W; Ho=22-56-32,8; (0.9-25); h=57 Kms.; Mag. 5.4 (CGS) Ecuador. (U.S.C.G.S.) | | | | | | | 45°6 S - 96°1 E; Ho=21-24-31,2; (1.1-10); h=33 Kms.(R); Cresta SE de la India. (U.S.C.G.S.) | | | | | | |
| 1052 | 26 | e | ZL | 14 | 12 | 38 | 1059 28 Lr ZL 07 05 00 | | | | | | |
| 56°8 N - 152°3 W; Ho=14-32-49,3; (0.9-14); h=33 Kms.(R); Mag. 5.0 (CGS); Región Islas Kodiak. (U.S.C.G.S.) | | | | | | | 16°5 S - 177°4 W; Ho=05-10-45,4; (1.3-13); h=33 Km.(R); Mag. 4.8 (CGS); Región Islas Fidji. (U.S.C.G.S.) | | | | | | |
| 1053 | 26 | iP | ZS | 15 | 27 | 55 | 1060 28 eP ZL 13 44 57,5 (compresión) | | | | | | |
| Trazas. | | | | | | | 56°4 N - 119°3 W; Ho=11-11-15,8; (0.5-19); h=33 Km.(R); Mag. 5.5 (CGS); Región fronteriza de Afgha- nistan URSS. (U.S.C.G.S.) | | | | | | |
| 1054 | 26 | Lr | ZL | 18 | 54 | 00 | 1061 29 Lr ZL 04 46 00 | | | | | | |
| 31°7 N - 113°6 W; Ho=17-08-47; (1.4-6); h=33 Kms.(R); Mag. 4.2 (CGS); Golfo de California. (U.S.C.G.S.) | | | | | | | 33°1 N - 20°7 E; Ho=04-35-55; Yugoslavia. (B.C.I.S.) | | | | | | |
| 1055 | 27 | Lr | ZL | 13 | 36 | 00 | 1062 29 eP ZS 13 45 04 ePP ZS 45 20 Lr PL 49 30 | | | | | | |
| Trazas. | | | | | | | 41°3 N - 23°5 W; Ho=13-40-36*; (1.2-19); h=33 Kms.(R); Mag. 4.6 (CGS); Región Islas Azores. (U.S. C.G.S.) | | | | | | |
| 1056 | 27 | iP | ZS | 19 | 50 | 02,5 | (Continúa) | | | | | | |
| i ZL 50 07,5 | | | | | | | | | | | | | |
| i ZS 50 32,5 | | | | | | | | | | | | | |
| Lr PL 54 00 | | | | | | | | | | | | | |
| Lr ZL, NL 54 25 | | | | | | | | | | | | | |
| Lg2 PL 55 40 | | | | | | | | | | | | | |
| Lg NL 56 28 | | | | | | | | | | | | | |

| <u>Núm.</u> | <u>Fecha</u> | <u>Fase</u> | <u>Comp.</u> | <u>H</u> | <u>M</u> | <u>S</u> |
|-------------|--------------|-------------|---------------|----------|----------|----------|
| 1063 | 30 | ePS | ZL | 02 | 40 | 50 |
| | | ePPS | ZL | | 42 | 06 |
| | | iSS | ZL,EL | | 47 | 40 |
| | | Lr | ZL,EL | 03 | 08 | 00 |
| | | M | ZL | | 09 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 32.0 | 2.3 | |

35° S - 107°3 W; Ho=02-10-37,6;
 (1.8-17); h=33 Kms.(R); Mag. 4.8
 (CGS); Cordillera de la Isla de
 Pascua (U.S.C.G.S.)

| | | | | | | |
|------|----|----|----|----|----|------------|
| 1064 | 30 | iP | ZS | 17 | 25 | 24,5 |
| | | | | | | compresión |
| | | Lr | ZL | | 54 | 48 |

56°6 N - 152°2 W; Ho=17-13-13,8;
 (0.9-20); h=33 Kms.(R); Mag. 5.1
 (CGS); Región Islas Kodiak.
 (U.S.C.G.S.)

Instituto Geográfico y Catastral
 OBSERVATORIO CENTRAL GEOFISICO
 "ALFONSO REY PASTOR"
 TOLEDO

MOVIMIENTO MICROSISMICO
 MES DE OCTUBRE DE 1964.

| Día | N - S | | | | | | | E - W | | | | | | | | | | |
|-----|-------|----|----|----|-----|----|-------|-------|-----|----|----|----|----|-----|----|-------|----|-----|
| | O | | VI | | XII | | XVIII | | Car | O | | VI | | XII | | XVIII | | Car |
| | T | A | T | A | T | A | T | A | | T | A | T | A | T | A | | | |
| 1 | 30 | 08 | 35 | 06 | 30 | 05 | 30 | 05 | 2 | 35 | 06 | 30 | 06 | 35 | 03 | 25 | 06 | 2 |
| 2 | 30 | 07 | 30 | 05 | 30 | 06 | 30 | 06 | 3 | 30 | 04 | 30 | 05 | 30 | 03 | 30 | 03 | 3 |
| 3 | 30 | 05 | 35 | 04 | 35 | 04 | 35 | 04 | 3 | 30 | 03 | 30 | 04 | 30 | 02 | 25 | 04 | 3 |
| 4 | 30 | 05 | 30 | 03 | 30 | 05 | 30 | 05 | 3 | 30 | 03 | 30 | 03 | 30 | 04 | 30 | 04 | 3 |
| 5 | 30 | 03 | 35 | 04 | 35 | 05 | 30 | 05 | 3 | 30 | 03 | 30 | 03 | 25 | 03 | 30 | 04 | 3 |
| 6 | 30 | 07 | 30 | 05 | 35 | 04 | 30 | 07 | 3 | 30 | 04 | 30 | 04 | 25 | 04 | 30 | 04 | 3 |
| 7 | 30 | 05 | 30 | 05 | 30 | 07 | 40 | 05 | 3 | 25 | 04 | 30 | 04 | 40 | 04 | 20 | 08 | 3 |
| 8 | 40 | 06 | 50 | 11 | 60 | 14 | 60 | 14 | 2 | 45 | 07 | 40 | 09 | 60 | 12 | 50 | 13 | 2 |
| 9 | 50 | 15 | 60 | 18 | 70 | 28 | 70 | 22 | 1 | 55 | 15 | 60 | 15 | 60 | 16 | 60 | 15 | 1 |
| 10 | 70 | 20 | 65 | 29 | 70 | 20 | 80 | 19 | 1 | 60 | 18 | 70 | 14 | 60 | 18 | 60 | 09 | 1 |
| 11 | 70 | 20 | 60 | 16 | 70 | 21 | 70 | 21 | 1 | 65 | 14 | 60 | 16 | 70 | 14 | 65 | 14 | 1 |
| 12 | 70 | 26 | 80 | 13 | 60 | 21 | 60 | 14 | 1 | 70 | 14 | 65 | 16 | 70 | 12 | 55 | 07 | 1 |
| 13 | 65 | 17 | 70 | 10 | 40 | 11 | 30 | 24 | 1 | 60 | 12 | 55 | 09 | 45 | 11 | 55 | 07 | 1 |
| 14 | 50 | 12 | 55 | 10 | 40 | 14 | 50 | 16 | 2 | 60 | 09 | 50 | 09 | 50 | 13 | 50 | 07 | 2 |
| 15 | 50 | 13 | 60 | 18 | 45 | 15 | 50 | 13 | 2 | 50 | 13 | 50 | 11 | 55 | 09 | 50 | 07 | 2 |
| 16 | 50 | 12 | 50 | 11 | 40 | 08 | 45 | 06 | 2 | 50 | 07 | 40 | 07 | 40 | 06 | 45 | 05 | 2 |
| 17 | 40 | 10 | 40 | 05 | 50 | 05 | 50 | 06 | 3 | 40 | 05 | 50 | 04 | 40 | 06 | 45 | 05 | 3 |
| 18 | 45 | 07 | 50 | 07 | 45 | 03 | 50 | 05 | 2 | 40 | 05 | 40 | 06 | 35 | 03 | 40 | 03 | 2 |
| 19 | 40 | 06 | 35 | 07 | 50 | 06 | 45 | 08 | 3 | 40 | 06 | 40 | 05 | 40 | 06 | 40 | 06 | 3 |
| 20 | 45 | 10 | 45 | 11 | 45 | 09 | 50 | 07 | 3 | 40 | 06 | 40 | 04 | 40 | 08 | 40 | 06 | 3 |
| 21 | 50 | 07 | 40 | 06 | 40 | 04 | 40 | 04 | 3 | 40 | 04 | 35 | 03 | 40 | 06 | 45 | 03 | 3 |
| 22 | .. | .. | 40 | 03 | 40 | 03 | 50 | 11 | 3 | .. | .. | 40 | 02 | 30 | 04 | 50 | 03 | 3 |
| 23 | 70 | 05 | 60 | 06 | 40 | 11 | 45 | 07 | 2 | 40 | 05 | 45 | 04 | 35 | 09 | 40 | 11 | 2 |
| 24 | 50 | 09 | 50 | 12 | 40 | 20 | 50 | 16 | 2 | 40 | 08 | 40 | 11 | 40 | 11 | 40 | 11 | 2 |
| 25 | 45 | 21 | 50 | 28 | 50 | 16 | 50 | 09 | 1 | 40 | 16 | 50 | 17 | 50 | 16 | 50 | 08 | 1 |
| 26 | 50 | 16 | 50 | 12 | 50 | 05 | 45 | 05 | 2 | 50 | 10 | 50 | 10 | 50 | 06 | 40 | 05 | 2 |
| 27 | 45 | 08 | 40 | 04 | 35 | 04 | 40 | 04 | 3 | 40 | 03 | 40 | 04 | 35 | 05 | 40 | 03 | 3 |
| 28 | 35 | 04 | 35 | 04 | 40 | 06 | 40 | 04 | 3 | 35 | 03 | 35 | 03 | 30 | 04 | 35 | 04 | 3 |
| 29 | 30 | 05 | 35 | 04 | 35 | 04 | 40 | 05 | 3 | 40 | 03 | 35 | 03 | 30 | 04 | 40 | 03 | 3 |
| 30 | 40 | 05 | 35 | 04 | 50 | 04 | 50 | 06 | 3 | 35 | 04 | 40 | 03 | 35 | 05 | 40 | 04 | 3 |
| 31 | 50 | 06 | 40 | 05 | 50 | 07 | 50 | 07 | 2 | 35 | 05 | 40 | 04 | 35 | 04 | 45 | 03 | 2 |

Los números de las columnas T representan décimas de segundo,
 y los números de las columnas A décimas de micron.

G. Payo
 Director.

Ana M^a G. Menor.

Instituto Geográfico y Catastral

 OBSERVATORIO CENTRAL GEOFISICO
 "ALFONSO REY PASTOR"
 DE TOLEDO (ESPAÑA)

Naturaleza del terreno: Mioceno Superior

Coordenada de la Estación:

L = 39°52'53"

M = 04°02'55"

Z = 480,45 m.

MES DE NOVIEMBRE 1964

CONSTANTES DE LOS SISMOGRAFOS

| Aparato | Masa Kg | Periodo T_0 | Rozamiento $\frac{r}{T_0^2}$ | Amplitud V | Amortgtº δ |
|-------------|------------|------------------|---------------------------------|---------------|----------------------|
| Wiechert ZT | 1200 | 3.3 | 0.196 | 2220 | 3.77 |
| " ET | 1000 | 10.6 | 0.029 | 1008 | 1.79 |
| " NT | 1000 | 11.1 | 0.049 | 910 | 6.62 |
| " EX | 800 | 7.8 | 0.037 | 305 | 4.00 |
| " NX | 800 | 7.5 | 0.052 | 366 | 3.15 |

| Aparato | Periodo péndulo T | Periodo Galv. T ₁ | Amortgtº μ^2 | Amplitud máxima A _m |
|-----------------|-------------------------|------------------------------------|---------------------|-----------------------------------|
| Sprengnether ZG | 1.70 | 1.70 | 0.38 | --- |
| " EG | 14.3 | 14.3 | 0.30 | 1.780 |
| " NG | 13.0 | 13.0 | -0.31 | 1.735 |

Equipos Standard.

1. Sprengnether (Standard) de periodo largo, (Tp=30 s. Tg=100 s.)
Sus componentes serán designadas por ZL, EL, NL.
2. Beniof (Standard) de periodo corto (Tp=1.0 s. Tg = 0.75 s.)
Sus componentes serán designadas por ZS, ES, NS.

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|------|-------|----|----|----|---------------------|------------|----------------|-------|------|----|---|
| 1065 | 1 | Lr | ZL | 04 | 32 | 40 | 1066 | 1 | (Continuación) | | | | |
| 25°1 S - 179°7 W; Ho=02-56-41,4; (0.7-27); h=459 Kms.; Mag. 5.0 (CGS); Al sur de las Islas Fidji. (U.S.C.G.S.) | | | | | | | | iPS | ZL | 55 | 42 | | |
| | | | | | | | | iSS | EL | 13 | 02 | 56 | |
| | | | | | | | | iSSS | EL | 07 | 32 | | |
| | | | | | | | | Lq | NL | 21 | 20 | | |
| | | | | | | | | Lr | ZL | 24 | 30 | | |
| 1066 | 1 | iP' | ZS | 12 | 44 | 50 | D=13.055 Kms.=117°5 | | | | | | |
| 3°1 N - 128°1 E; Ho=12-26-06,2; (1.1-45); h=65 Kms. Mag. 5 3/4 - 6 (PAL), 6.3 (CGS). Norte de las Islas Almahera (U.S.C.G.S.) | | | | | | | | dilatación | | | | | |
| | | | | | | | | epP | ZS | 45 | 10,5 | | |
| | | | | | | | | iPP | ZS | 46 | 05,5 | | |
| | | | | | | | | ePKS | ZS | 48 | 19 | | |
| | | | | | | | | ePPP | ZL | 49 | 05 | | |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S | |
|---|-------|-------|---------------|------------|------|------|---|---------------|------|-------|------------|----|------|--|
| 1067 | 2 | iP | ZS | 07 | 02 | 56,5 | 1074 | 3 | eLr | ZL | 13 | 29 | 40 | |
| | | | | dilatación | | | | | | | | | | |
| | | i | ZS | 03 | 01 | 5 | Trazas. | | | | | | | |
| | | ipP | ZS | 03 | 28 | | ----- | | | | | | | |
| | | isP | ZS | 03 | 42,5 | | 1075 | 3 | eLr | ZL | 15 | 44 | 40 | |
| | | i | ZS | 03 | 51,5 | | Trazas. | | | | | | | |
| | | ePP | ZL | 06 | 38 | | ----- | | | | | | | |
| | | eS | ZL | 12 | 42 | | 1076 | 3 | iP | ZS | 17 | 44 | 01,5 | |
| | | isS | EL | 13 | 38 | | | | | | dilatación | | | |
| | | Lr | ZL | 28 | 20 | | | | | | 45 52,5 | | | |
| D=8.780 Kms.=79°; h=120 Kms. | | | | | | | ePPP ZS 18 03 00 | | | | | | | |
| 4°1 S - 76°9 W; Ho=06-50-58,2; (1.3-71); h=91 Kms.; Mag. 6 3/4 (PAS); 6.0 (CGS), Norte del Perú (U.S.C.G.S.) | | | | | | | 35°7 N - 50° E; Ho=17-36-08; Irán Septentrional. (B.C.I.S.) | | | | | | | |
| ----- | | | | | | | 36° N - 50°6 E; Ho=17-36-09,5; (1.0-11); h=33 Kms. (R); Mag. 5.3 (CGS); Iran (U.S.C.G.S.) | | | | | | | |
| 1068 | 2 | ePn | NS | 11 | 40 | 39,5 | 1077 | 4 | iP | ZS | 02 | 23 | 50,5 | |
| | | ep* | NS | 40 | 48 | | dilatación | | | | | | | |
| | | iPg | NS,ZS | 40 | 55,5 | | ----- | | | | | | | |
| | | i | ZS | 40 | 59,5 | | | | ipP | ZS | 24 | 19 | | |
| | | i | NS | 41 | 13,5 | | Lr ZL 51 30 | | | | | | | |
| | | iSn | NS | 41 | 22,5 | | ----- | | | | | | | |
| | | i | NS | 41 | 28,5 | | 19°7 S - 69°2 W; Ho=02-11-24,9; (1.3-21); h=102 Kms.(R); Mag. 5.2 (CGS); Al Norte de Chile. (U.S.C. G.S.) | | | | | | | |
| | | i(S*) | NS | 41 | 33 | | ----- | | | | | | | |
| | | i | ES | 41 | 36 | | 1078 | 4 | iP | ZS | 02 | 50 | 09 | |
| | | iSg | ES | 41 | 40 | | dilatación | | | | | | | |
| | | | seg. micrones | 0.7 | 0.02 | | Trazas. | | | | | | | |
| D=378 Kms.=3°40 | | | | | | | ----- | | | | | | | |
| 36°3/4 N - 3° W; Ho=11-39-52; Es- paña en los alrededores de Almeria. Sentido en Almeria (BCIS) | | | | | | | 1079 | | | | | | | |
| ----- | | | | | | | 4 Lr ZL 04 34 00 | | | | | | | |
| 1070 | 2 | iP | ZS | 23 | 02 | 33 | 54°9 N - 162°6 E; Ho=03-37-35,9; (0.7-14); h=49 Kms.; Mag. 5.0 (CGS); Cerca de la costa E de Kam- chatka. (U.S.C.G.S.) | | | | | | | |
| | | | | compresión | | | | ----- | | | | | | |
| | | ipP | ZS | 02 | 40 | | 1080 | | | | | | | |
| | | Lr | ZL | 06 | 30 | | 4 e(Sg) NS 14 58 03,5 | | | | | | | |
| 44°3 N - 11°4 E; Ho=22-59-38; Italia, Apeninos Etruscos. (B.C.I.S) | | | | | | | Trazas. | | | | | | | |
| ----- | | | | | | | 1081 | | | | | | | |
| 44°3 N - 11°6 E; Ho=22-59-35,3; (1.9-16); h=33 Kms.(R); Norte de Italia. Mag. 4.3 (CGS); (U.S.C.G.S.) | | | | | | | 4 iPg ZS 15 41 37 | | | | | | | |
| ----- | | | | | | | compresión | | | | | | | |
| 1071 | 3 | eSg | ES | 03 | 33 | 16 | iSg ES 41 42,5 | | | | | | | |
| | | | seg. micrones | | | | | seg. micrones | | | | | | |
| | | eSg | ES | 0.8 | 0.02 | | iSg ES 0.9 0.16 | | | | | | | |
| Muy débil. | | | | | | | Explosión artificial en las cante- ras de Yepes. Toledo. | | | | | | | |
| ----- | | | | | | | 1082 | | | | | | | |
| 1072 | 3 | eSg | ES | 09 | 05 | 05,5 | 4 e ZS 21 20 48 | | | | | | | |
| Muy débil. | | | | | | | Lr ZL 22 02 30 | | | | | | | |
| ----- | | | | | | | 6°8 N - 125°4 E; Ho=21-02-38,7; (1.0-15); h=70 Kms.; Mindanao. Islas Filipinas. Sentido en Davao (U.S.C.G.S.) | | | | | | | |
| 1073 | 3 | Lr | ZL | 12 | 03 | 24 | ----- | | | | | | | |
| Trazas. | | | | | | | ----- | | | | | | | |

-3-

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---|-------|-------|-------|-----|-------|---------------|--|-------|-------|-------|----|------|---------------|
| 1083 | 4 | i | ZS | 23 | 08 | 13 | 1091 | 10 | eP | ZS | 19 | 30 | 26,5 |
| | | | | | | | | | eS | ZS | | 33 | 30 |
| | | i(Sg) | NS,ZS | | 08 | 19,5 | | | eSS | ZS | | 33 | 55 |
| | | i(Sg) | ZS | 0.9 | 0.005 | | | | | | | | |
| Muy débil. | | | | | | | 47°5 N - 23°6 W; Ho=19-26-40,8; (1.4-12); h=31 Kms.; Mag. 4.3 (CGS); Oceano Atlántico Norte. (U.S.C.G.S.) | | | | | | |
| 1084 | 5 | Lr | ZL | 08 | 06 | 25 | 1092 | 11 | iP | ZS | 19 | 01 | 20,5 |
| | | | | | | | | | | | | | compresión |
| | | | | | | | | | iPP | ZS | | 04 | 22 |
| | | | | | | | | | e | NL | | 14 | 13 |
| | | | | | | | | | i | NL | | 15 | 48 |
| | | | | | | | | | Lr | ZL | | 47 | 30 |
| 9°2 N - 142° E; Ho=07-01-15,3; (1.9-19); h=33 Kms.; Mag. 4.8 (CGS) W de las Islas Carolinas (U.S.C.G.S) | | | | | | | 13°4 S - 75° W; Ho=18-48-56,6; (1.1-10); h=99 Kms. Mag. 5.0 (CGS) Perú (U.S.C.G.S.) | | | | | | |
| 1085 | 5 | eLr | ZL | 13 | 55 | 40 | 1093 | 12 | e(Pg) | ZS | 02 | 57 | 09 |
| Trazas. | | | | | | | Muy débil. | | | | | | |
| 1086 | 5 | iP | ZS | 21 | 00 | 48,5 | 1094 | 13 | ePn | ZS | 02 | 15 | 14 |
| | | | | | | compresión | | | iSg | NS | | 16 | 01 |
| | | | | | | | | | | | | | seg. micrones |
| | | | | | | | | | iSg | NS | 09 | 0.03 | |
| 35°1 N - 24°2 E; Ho=20-55-42,9; (1.7-15); h=10 Kms.; Mag. 4.2 (CGS); Creta. (U.S.C.G.S.) | | | | | | | Muy débil. | | | | | | |
| 34°6 N - 23°5 E; Ho=20-55-46; Mediterraneo al S.W. de Creta. (B.C.I.S.) | | | | | | | 1095 | | | | | | |
| 1087 | 6 | e(Pg) | ZS | 04 | 59 | 44,5 | 1095 | 13 | iR' | ZS | 22 | 17 | 33,5 |
| | | iSn | ZS | 05 | 00 | 05 | | | | | | | compresión |
| | | iSg | NS | | 00 | 16 | | | epP' | ZS | | 17 | 55 |
| | | | | | | seg. micrones | | | epP' | ZS | | 18 | 49,5 |
| | | iSg | NS | 0.8 | 0.05 | | | | Lr | ZL | | 23 | 19 00 |
| 37°9 N - 2°3 W; Ho=04-58-56,5; h=33 Kms. Mag. 4.1 (L.C.S.S.Madrid) | | | | | | | 29°2 S - 178°1 W; Ho=21-57-30* (1.2-24); h=77 Kms.; Mag. 5.4 (CGS); Región Islas Kermadec. (U.S.C.G.S.) | | | | | | |
| 1088 | 7 | Lq | EG | 04 | 19 | 20 | 1096 | 14 | Lr | ZL | 04 | 44 | 00 |
| Trazas. | | | | | | | 23°5 S - 64°2 W; Ho=03-32-53*; (0.7-7); h=65 Kms. Mag. 4.3 (CGS) Provincia de Jujuy. Argentina (U.S.C.G.S.) | | | | | | |
| 1089 | 7 | eP | ZS | 10 | 41 | 47 | 1097 | 14 | Lr | ZL | 13 | 34 | 40 |
| Trazas. | | | | | | | 18°2 N - 105°5 W; Ho=12-52-46,3; (1.0-33); h=33 Kms.(R); Mag. 5.3 (CGS);Fuera de la costa de Jalisco Méjico. (U.S.C.G.S.) | | | | | | |
| 1090 | 8 | iPn | ZS | 17 | 23 | 39 | 1098 | 15 | eP | ZS | 06 | 40 | 53,5 |
| | | | | | | dilatación | | | | | | | |
| | | iP* | ZS | | 23 | 48,5 | | | | | | | |
| | | iPg | ES,ZS | | 23 | 52,5 | | | | | | | |
| | | eSn | NS | | 24 | 18,5 | | | | | | | |
| | | i | ES | | 24 | 22 | | | | | | | |
| | | iS* | ZS | | 24 | 28 | | | | | | | |
| | | iSg | ES,ZS | | 24 | 38,5 | | | | | | | |
| | | | | | | seg. micrones | | | | | | | |
| | | iSg | ES | 0.9 | 0.50 | | | | | | | | |
| D=390 Kms.=3°51 | | | | | | | 35°6 N - 45°7 E; Ho=06-33-23,5; (1.4-16); h=33 Kms.; Mag. 4.7 (CGS); Región fronteriza Iran-Irak (Continúa) | | | | | | |

-4-

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|---------------------------------------|-------|------|----------------|----|----|------|--|-------|------|-------|------------|---|---|
| 1098 | 15 | | (continuación) | | | | 1103 | 16 | iP | ZS | 05 34 09,5 | | |
| (U.S.C.G.S.) | | | | | | | dilatación | | | | | | |
| 35°8 N - 45°5 E; Ho=06-33-26; | | | | | | | i ZS 34 39 | | | | | | |
| Región fronteriza Irak-Iran. | | | | | | | Lq NL 43 00 | | | | | | |
| (B.C.I.S.) | | | | | | | M ZL 45 00 | | | | | | |
| | | | | | | | seg. micrones | | | | | | |
| | | | | | | | M ZL 28.0 2.6 | | | | | | |
| 1099 | 15 | Lr | ZL | 16 | 55 | 00 | 39°8 N - 39°9 E; Ho=05-27-33,8; | | | | | | |
| 24° N - 122°2 E; Ho=15-52-21,5; | | | | | | | (1.7-21); h=39 Kms.; Mag. 5.1 (CGS) | | | | | | |
| (1.0-35); h=42 Kms.; Mag. 5.4 | | | | | | | Turquia. (U.S.C.G.S.) | | | | | | |
| (CGS); Región de Taiwan. (U.S.C.G.S.) | | | | | | | 39°6 N - 39°9 E; Ho=05-27-32; | | | | | | |
| | | | | | | | Turquia Oriental. Región de Erzincan. (B.C.I.S.) | | | | | | |
| 1100 | 15 | iPn | ZS | 20 | 05 | 09 | 1104 | 16 | iP | ZS | 06 09 42 | | |
| compresión | | | | | | | Compresión | | | | | | |
| !iP* ZS,NS 05 15 | | | | | | | ePP ZL 11 45 | | | | | | |
| iPg ZS 05 27,5 | | | | | | | 49°7 N - 78° E; Ho=05-59-57,4; | | | | | | |
| i NS 05 43,5 | | | | | | | (1.1-16); h=0 Kms.(R); Mag. 6.0 | | | | | | |
| iSn NS 06 06,5 | | | | | | | (CGS); Este de Kazakh. URSS. | | | | | | |
| iS* NS,ES 06 20 | | | | | | | (U.S.C.G.S.) | | | | | | |
| iSg ES 06 30 | | | | | | | | | | | | | |
| Lr ZL 06 36 | | | | | | | | | | | | | |
| seg. micrones | | | | | | | | | | | | | |
| iSn NS 0.8 0.40 | | | | | | | 1105 16 e NS 07 12 49 | | | | | | |
| Lr ZL 20.0 4.0 | | | | | | | eSg NS 13 05,5 | | | | | | |
| | | | | | | | seg. micrones | | | | | | |
| | | | | | | | eSg NS 0.4 0.03 | | | | | | |
| D=533 Kms.=4°8 | | | | | | | Muy débil. | | | | | | |
| 34°9 N - 5°2 W; Ho=20-03-49,6; | | | | | | | 1106 16 eLr ZL 13 34 44 | | | | | | |
| (0.8-30); h=3 Kms.; Mag. 5.0 (CGS) | | | | | | | 47°4 N - 154°2 E; Ho=12-38-29,7 | | | | | | |
| Sentido en Marruecos. (U.S.C.G.S.) | | | | | | | (0.8-22); h=33 Kms.(R); Mag. 5.7 | | | | | | |
| 34°8 N - 5°4 W; Ho=20-03-52; | | | | | | | (CGS); Islas Kuriles. (U.S.C.G.S.) | | | | | | |
| h=33 Kms.; Mag. 4 1/4 - 4 1/2 | | | | | | | | | | | | | |
| (B.C.I.S.) | | | | | | | 1107 16 eP' ZS 23 59 22 | | | | | | |
| 34°8 N - 5°4 W; Ho=20-03-49; h=33 | | | | | | | Lq NL 31 30 | | | | | | |
| Kms, Mag. 4.8 ; Marruecos (L.C.S.S. | | | | | | | 1 N - 118°8 E; Ho=22-40-44; (1.2-32) | | | | | | |
| Madrid) | | | | | | | h=33 Kms.(R); Mag. 6.7 (CGS), Borneo | | | | | | |
| Grado V-VI - Meknes | | | | | | | (U.S.C.G.S.) | | | | | | |
| III - Fez y Tetuan | | | | | | | | | | | | | |
| II - Rabat y Khenifra. | | | | | | | | | | | | | |
| 1101 | 16 | iP | ZS | 02 | 59 | 22 | 1108 | 17 | iP | ZL | 08 32 10 | | |
| (Dilatación) | | | | | | | difractada | | | | | | |
| Lr ZL 03 30 00 | | | | | | | iP" ZL 34 46 | | | | | | |
| Trazas. | | | | | | | compresión | | | | | | |
| | | | | | | | iP" ZS 35 04 | | | | | | |
| | | | | | | | i ZS 35 07 | | | | | | |
| | | | | | | | iPP ZL 37 56 | | | | | | |
| | | | | | | | iPKS EL 38 18 | | | | | | |
| | | | | | | | iSKS ZL 42 31 | | | | | | |
| | | | | | | | i(PoPPKP) ZL 43 04 | | | | | | |
| | | | | | | | eSKKS ZL 44 42 | | | | | | |
| | | | | | | | iSKSP ZL 48 05 | | | | | | |
| | | | | | | | iPS NL 48 28 | | | | | | |
| | | | | | | | i ZL 49 19 | | | | | | |
| | | | | | | | iPPS NL 50 10 | | | | | | |
| | | | | | | | i NL,EL 51 28 | | | | | | |
| | | | | | | | (Continúa) | | | | | | |
| 1102 | 16 | iP | ZS | 04 | 56 | 52,5 | 36°3 N - 70°4 E; Ho=04-47-27,5; | | | | | | |
| dilatación | | | | | | | (1.1-22); h=225 Kms. Mag. 5.5 | | | | | | |
| ipP ZS 57 41 | | | | | | | (CGS); Región Hindu Kush (U.S.C.G.S.) | | | | | | |

-5-

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|----------------|------|-------|----|
| 1108 | 17 | | (Continuación) | | | |
| | | i | NL | 08 | 54 | 00 |
| | | iSS | EL,NL | | 56 | 52 |
| | | iSSS | NL,EL | 09 | 01 | 44 |
| | | Lq | EL | | 10 | 10 |
| | | Lr | ZL | | 14 | 00 |
| | | G | NL | | 23 | 00 |
| | | M | ZL | | 31 | 00 |
| | | | seg. micrones | | | |
| | | iSS | EL,NL | 68.0 | 122,4 | |
| | | M | ZL | 29.0 | 81,3 | |

D=15.800 Kms.=142°2

5°7 S - 150°7 E; Ho=08-15-39,3;
 (0.8-44); h=45 Kms.; Mag. 7 1/4
 (Pas); 7 - 7 1/4 (BRK); 6.7 (CGS)
 Región Nueva Bretaña, Sentido fuer-
 temente. (U.S.C.G.S.)

| | | | | | | |
|------|----|------------------|----|----|----|------|
| 1109 | 17 | eP ₁ | ZS | 11 | 22 | 10 |
| | | iP ₁ | ZS | | 23 | 01,5 |
| | | epP ₁ | ZS | | 24 | 17 |
| | | ipP ₂ | ZS | | 25 | 06,5 |

Enmascarado por el anterior.

23°4 S - 179°9 W; Ho=11-03-06,8;
 (0.8-43); h=549 Kms. Mag. 5.5
 (CGS); Sur de las Islas Fidji.
 (U.S.C.G.S.)

| | | | | | | |
|------|----|-----|---------------|-----|------|----|
| 1110 | 17 | iPg | NS | 15 | 06 | 32 |
| | | | seg. micrones | | | |
| | | iPg | NS | 0.6 | 0.02 | |

| | | | | | | |
|------|----|----|----|----|----|----|
| 1111 | 17 | Lr | ZL | 15 | 50 | 00 |
|------|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|------|----|----|----|----|----|----|
| 1112 | 17 | Lr | ZL | 16 | 53 | 40 |
|------|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|------|----|---------|---------------|------|-----|----|
| 1113 | 17 | eP" | ZS | 19 | 19 | 01 |
| | | ePP | ZL | | 20 | 24 |
| | | e(SKKS) | ZL | | 27 | 28 |
| | | iPS | ZL | | 30 | 03 |
| | | iSS | NL | | 37 | 15 |
| | | eSSS | ZL | | 41 | 36 |
| | | Lq | EL | 20 | 00 | 00 |
| | | Lr | ZL | | 04 | 20 |
| | | M | ZL | | 14 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 24.0 | 1.6 | |

12°7 N - 144°9 E; Ho=19-00-10,4;
 (1.0-21); h=43 Kms.; Mag. 5.1
 (CGS); Sur Islas Marianas. (U.S.
 C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 1114 | 17 | eP | ZS | 22 | 57 | 10 |
| | | Lr | ZL | 23 | 10 | 00 |

36°7 N - 35°2 E; Ho=22-50-53,7;
 h=37 Kms.; Turquía (B.C.I.S.)

| | | | | | | |
|------|----|-----|---------------|-----|------|------|
| 1115 | 17 | iPg | ZS | 20 | 14 | 18,5 |
| | | | dilatación | | | |
| | | eSn | ES | | 14 | 37 |
| | | iS* | ZS | | 14 | 42,5 |
| | | iSg | NS,ES | | 14 | 50,5 |
| | | | seg. micrones | | | |
| | | Sg | NS | 1.1 | 0.15 | |

D=272 Kms.=2°45
 Débil.

| | | | | | | |
|------|----|-----|----|----|----|----|
| 1116 | 18 | eiP | ZS | 00 | 24 | 23 |
|------|----|-----|----|----|----|----|

Trazas.

| | | | | | | |
|------|----|----|------------|----|----|------|
| 1117 | 18 | iP | ZS | 04 | 16 | 23,5 |
| | | | compresión | | | |

13°1 S - 75° W; Ho=04-03-58 (1.4-
 24); h=80 Kms. Mag. 4.3 (CGS);
 Perú (U.S.C.G.S.)

| | | | | | | |
|------|----|----|------------|----|----|------|
| 1118 | 18 | iP | ZS | 05 | 14 | 54,5 |
| | | | compresión | | | |
| | | Lr | ZL | | 47 | 30 |

31°2 S - 67°6 W; Ho=05-01-41,4;
 (0.8-39); h=8 Kms.; Mag. 5.6 (CGS)
 Provincia de San Juan. Argentina.
 (U.S.C.G.S.)

| | | | | | | |
|------|----|------|---------------|------|-----|----|
| 1119 | 18 | iP" | ZL | 14 | 54 | 12 |
| | | | dilatación | | | |
| | | epP" | ZS | | 54 | 35 |
| | | iPP | ZL | | 57 | 06 |
| | | ipPP | ZS | | 57 | 26 |
| | | iPPP | ZL | 15 | 00 | 36 |
| | | iPS | ZL | | 07 | 25 |
| | | iPPS | ZL | | 09 | 17 |
| | | i | ZL | | 10 | 51 |
| | | iSS | NL | | 16 | 00 |
| | | iSSS | NL | | 19 | 40 |
| | | i | NL | | 25 | 41 |
| | | iSa | NL | | 29 | 16 |
| | | HM | ZL | | 33 | 00 |
| | | Lq | NL | | 33 | 00 |
| | | Lr | ZL | | 42 | 00 |
| | | M | ZL | | 58 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 20.0 | 9.0 | |

D=15.390 Kms.=138°5
 6° S - 148° E; Ho=14-34-54,5;
 (0.7-32); h=49 Kms.(R); Mag. 5.1
 (CGS); Región Nueva Bretaña.
 (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S | |
|---|-------|------------------|---------------|------|-------|------|--|--|---------------------|---------------|------|------|------|------|
| 1120 | 18 | eP ₁ | ZL | 22 | 41 | 00 | 1123 | 20 | (Continúa) | | | | | |
| | | eiP ₁ | ZS | | 41 | 36 | | | Medio. (U.S.C.G.S.) | | | | | |
| | | iPP ₁ | ZL | | 45 | 38 | 1124 | 20 | eP | ZL | 23 | 46 | 32 | |
| | | eSKS | ZL | | 48 | 00 | | | ePP | ZL | | 50 | 06 | |
| | | eSKKS | ZL | | 51 | 10 | | | eS | NL | | 57 | 26 | |
| | | eSS | NL | 23 | 05 | 32 | | | iPS | ZL | | 58 | 58 | |
| | | eSSS | NL | | 10 | 44 | | | iSS | EL | 00 | 04 | 00 | |
| | | M | ZL | | 46 | 00 | | | eSSS | EL | | 07 | 20 | |
| | | | seg. micrones | | | | | | Lq | NL | | 15 | 00 | |
| | | M | ZL | 21.0 | 1.9 | | | | Lr | ZL | | 17 | 30 | |
| | | | | | | | | | M | ZL | | 33 | 00 | |
| | | | | | | | | | | seg. micrones | | | | |
| | | | | | | | | | M | ZL | 18.0 | 6.6 | | |
| 20°2 S - 174°1 W; Ho=22-21-01,9; (1.7-47); h=33 Kms.(R); Mag. 5.8 (CGS); Islas Tonga (U.S.C.G.S.) | | | | | | | D=10.155 Kms. = 91°4 44°6 N - 149°7 E; Ho=23-33-08,9; (1.1-47); h=33 Kms.; Mag. 5.6 (CGS) Islas Kuriles. (U.S.C.G.S.) | | | | | | | |
| 1121 | 19 | ipP ₂ | ZS | 16 | 34 | 59 | 1125 | 21 | eP | ZS | 00 | 04 | 45 | |
| | | i | ZS | | 35 | 06 | Trazas. 44°6 N - 149°5 E; Ho=23-51-35,4; h=33 Kms.(R); Islas Kuriles. (U.S.C.G.S.) | | | | | | | |
| | | Lr | ZL | | 52 | 00 | 1126 | 21 | iP" | ZS | 02 | 35 | 03,5 | |
| 10°8 S - 166°3 E; Ho=16-15-26,2; (1.2-17); h=166 Kms.; Mag. 4.9 (CGS); Islas Santa Cruz (U.S.C.G.S.) | | | | | | | compresión | | | | | | | |
| 1122 | 19 | P difr. | ZL | 23 | 52 | 06 | | | epP" | ZS | | 36 | 19 | |
| | | iP ₈ | ZS,ZL | | 54 | 25 | | | ePP | ZS | | 37 | 20 | |
| | | | compresión | | | | | | i(PS) | ZL | | 45 | 37 | |
| | | eP" | ZS | | 54 | 30,5 | | | Lq | NL | 03 | 10 | 00 | |
| | | iP" | ZS | | 54 | 38,5 | | 1° N - 124° E; Ho=02-16-44,5; (1.4-35); h=248 Kms.; Mag. 5.8 (CGS); Norte de las Islas Célebes. (U.S.C.G.S.) | | | | | | |
| | | i | ZL | | 56 | 20 | | 1127 | 21 | iPn | ZS | 11 | 55 | 05,5 |
| | | iPP | ZL | | 57 | 47,5 | | | | dilatación | | | | |
| | | iPPP | ZL | 00 | 00 | 44 | | | ip* | ZS | | 55 | 14 | |
| | | iSKKS | NL | | 04 | 42 | | | iPg | ZS | | 55 | 29,5 | |
| | | iSKSP | NL,EL | | 07 | 58 | | | i(Sn) | NS | | 56 | 15 | |
| | | iPPS | ZL,NL,EL | | 09 | 58 | | | e(S*) | NS | | 56 | 40,5 | |
| | | ! iSS | NL,EL | | 16 | 40,5 | | | e(Sg) | NS | | 56 | 55 | |
| | | iSSS | NL | | 21 | 10 | | | seg. micrones | | | | | |
| | | ! iSa | EL | | 25 | 46 | | | e(Sg) | NS | 1.0 | 0.10 | | |
| | | Lq | EL,NL | | 34 | 30 | | Trazas. | | | | | | |
| | | Lr | ZL | | 42 | 38 | | 1128 | 21 | Lq | NL | 16 | 35 | 53 |
| | | | seg. micrones | | | | | | | Lr | ZL | | 43 | 00 |
| | | iSS | NL | 68.0 | 11.9 | | | 12°8 N - 145°2 E; Ho=15-34-13,2; (1.2-25); h=35 Kms.; Mag. 5.2 (CGS); Sur de las Islas Marianas. (U.S.C.G.S.) | | | | | | |
| | | Lr | ZL | 66.0 | 136.0 | | | | | | | | | |
| D=16.110 Kms.=145° 6° S - 150°8 E; Ho=23-35-06; (1.2-58); h=3 Kms.; Mag. 6 3/4 (PAS); 6 3/4 (BRK); 6.0 (CGS); Región Nueva Bretaña. Algunos da- ños en Walindi. (U.S.C.G.S.) | | | | | | | | | | | | | | |
| 1123 | 20 | iP | ZS | 09 | 58 | 04 | | | | | | | | |
| | | | compresión | | | | | | | | | | | |
| | | ePP | ZL | | 59 | 49 | | | | | | | | |
| | | iS | NL | 10 | 04 | 32 | | | | | | | | |
| | | iSS | EL | | 07 | 25 | | | | | | | | |
| | | Lq | EL | | 08 | 00 | | | | | | | | |
| | | Lr | ZL | | 10 | 00 | | | | | | | | |
| D=4.865 Kms.=43°8 0°2 S - 18°2 W; Ho=09-50-13,5; (1.0-20); h=33 Kms.(R); Mag. 5.1 (CGS); Cresta Central del Atlántico (Continúa) | | | | | | | | | | | | | | |

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| <u>Núm.</u> | <u>Fecha</u> | <u>Fase</u> | <u>Comp.</u> | <u>H</u> | <u>M</u> | <u>S</u> | <u>Núm.</u> | <u>Fecha</u> | <u>Fase</u> | <u>Comp.</u> | <u>H</u> | <u>M</u> | <u>S</u> |
|--|--------------|---|--|----------|----------|--|--|--------------|--|--|----------|----------|--|
| 1129 | 22 | eP e Lr | ZS NL EL, ZL | 00 | 09 | 51 48 00 | 1136 | 24 | iP e e iPP i ePPP i(Pa) iSKS iPS iSS eSSS Lq Lr M | ZL ZL ZS ZL, ZS ZL ZL NL NL, EL NL NL NL NL ZL NL | 12 | 55 | 22 22 40 40 53 54 16 40 16 18 18 32 00 30 00 |
| 24° N - 45° W; Ho=00-02-33, 3; (1.4-20); h=33 Kms.; Mag. 4.7 (CGS) Cresta del Océano Atlántico Norte (U.S.C.G.S.) | | | | | | | compresión seg. micrones M NL 28.0 12.2 | | | | | | |
| 1130 | 22 | eP | ZS | 02 | 33 | 29 | 1301 | 24 | M | NL | 28.0 | 12.2 | |
| Débil. 33° N - 24° E; Ho=02-28-17; (0.9-6); h=33 Kms (R); Mag. 4.2 (CGS); Mar Mediterraneo (U.S.C.G.S.) | | | | | | | 1301 N - 124° E; Ho=12-40-51, 4; h=5 Kms.; Mag. 6.1 (CGS); Luzón. Islas Filipinas. (U.S.C.G.S.) | | | | | | |
| 1131 | 22 | epP' e | ZS ZL | 03 | 01 | 20 00 | 1137 | 24 | e e(Sg) e(Sg) | ZS ES ES | 17 | 55 | 20 27,5 0.9 0.03 |
| 17° S - 178° W; Ho=02-39-29; (0.6-25); h=563 Kms.; Región Islas Fidji. (U.S.C.G.S.) | | | | | | | seg. micrones Muy débil. | | | | | | |
| 1132 | 22 | iP | ZS | 05 | 36 | 29 | 1138 | 25 | Lr | ZL | 09 | 55 | 00 |
| Trazas. dilatación | | | | | | | Trazas. 26° N - 96° E; Ho=08-32-59; (1.6-15); h=80 Kms.; Mag. 5.4 (CGS); Burma. (U.S.C.G.S.) | | | | | | |
| 1133 | 23 | ePn iP* i iPg i(PF) eSn i(S*) iSg iSg | ZS ZS ZS NS NS ZS ZS NS NS | 02 | 38 | 39 43 48 51,5 09 17 25 28 | 1139 | 25 | iP" Lr | ZS ZL | 09 | 41 | 54 30 |
| D=300 Kms.=2° 87 36° N - 4° W; Ho=02-37-51, 5; España. Sentido en Málaga. (B.C.I.S.) | | | | | | | compresión seg. micrones NS 0.6 0.07 | | | | | | |
| 1134 | 23 | eP" ePP Lr | ZS ZS ZL | 22 | 34 | 35 48,5 00 | 1140 | 25 | eLr | ZL | 21 | 10 | 30 |
| 36° N - 4° W; Ho=02-37-50; Mag. 4.1, Próximo a Casabermeja, (Málaga) Sentido en Málaga. (L.C.S.S.Madrid) | | | | | | | Trazas. 4° S - 122° E; Ho=09-24-08, 9; (0.6-22); h=610 Kms. Mag. 6.2 (CGS); Célebes. (U.S.C.G.S.) | | | | | | |
| 1135 | 24 | Lr | ZL | 02 | 52 | 30 | 1141 | 26 | eP ePP e e eSKS ePS iSS iSSS Lq Lr M M | ZS ZS ZL ZL NL ZL NL NL NL NL ZL ZL ZL | 10 | 34 | 15 35 09 46 40 44 16 46 00 00 00 00 00 |
| Trazas. | | | | | | | seg. micrones ZL 16.0 15.1 (Continúa) | | | | | | |

Núm. Fecha Fase Comp. H M S

1141 26 (Continuación)

24°9 N - 122° E; Ho=10-21-07,2;
(1.6-33); h=33 Kms.(R); Mag. 6 -
6 1/4 (Pal); 5.4 (CGS). Región
Taiwan. (U.S.C.G.S.)

1142 26 eSg ES 15 13 41,5

Explosión artificial en las cante-
ras de Yepes. Toledo.

1143 26 iPn ZS 23 15 48
dilatación

| | | |
|-----|---------------|----------|
| iP* | ZS | 15 52,5 |
| i | ZS | 15 55 |
| iPg | ZS | 15 58 |
| i | ZS | 16 04 |
| i | NS | 16 16,5 |
| iSn | NS | 16 23,5 |
| iS* | NS | 16 33 |
| iSg | NS | 16 40,5 |
| Lr | ZL | 17 08 |
| | seg. micrones | |
| Pg | ZS | 0.8 0.21 |

D=350 Kms.=2°15

38°8 N - 0°3 W; España. Sentido en
la Provincia de Alicante. (B.C.I.S.)

38°8 N - 0°4 W; Ho=23-14-58,5;
Mag. 4.5 h=33 Kms.; Próximo a Muro
(Alicante) Sentido en la provincia
de Alicante. (L.C.S.S. Madrid)

1144 27 iP ZS 07 58 36,5
compresión

| | | |
|-----|----|----------|
| epP | ZS | 59 05 |
| Lr | ZL | 08 20 40 |

62°6 N - 151°5 W; Ho=07-47-07,6;
(0.7-23); h=113 Kms. Mag. 5.4 (CGS)
Centro de Alaska (U.S.C.G.S.)

1145 27 iP ZS 11 13 14,5
dilatación

| | | |
|-----|----|-------|
| epP | ZS | 14 05 |
| Lr | ZL | 30 00 |

36°3 N - 70°7 E; Ho=11-03-48;
(0.7-13); h=219 Kms., Mag. 5.2
(CGS); Región Hindu Kush.
(U.S.C.G.S.)

1146 27 iP ZS 14 01 06
compresión

| | | |
|-------|----|-------|
| i | ZS | 01 55 |
| e(PP) | ZL | 05 25 |
| ePS | ZL | 14 30 |
| iSS | NL | 20 20 |

(Continúa)

Núm. Fecha Fase Comp. H M S

1146 27 (Continuación)

| | | |
|------|----|----------|
| iSSS | NL | 14 22 32 |
| Lq | NL | 31 00 |
| Lr | ZL | 33 30 |

37°9 N - 138°3 E; Ho=13-47-42,7;
(0.7-23); h=36 Kms.; Mag. 5.5
(CGS); Cerca de la costa oeste de
Honshu. Japón. (U.S.C.G.S.)

1147 28 eLr ZL 01 55 40

Trazas.

1148 28 iP ZS 16 52 31
dilatación

| | | |
|-----|----|----------|
| epP | ZS | 54 45 |
| iPP | ZL | 55 42 |
| iS | EL | 17 01 35 |
| iSS | EL | 07 01 |

D=8.690 Kms.=78°2

7°7 S - 71°2 W; Ho=16-41-33,4;
(0.5-24); h=626 Kms. Mag. 5.4
(CGS); Oeste del Brasil. (U.S.C.
G.S.)

1149 28 iP ZS 17 00 27
dilatación

| | | |
|--------|----|-------|
| ipP | ZS | 02 41 |
| i(PPP) | EL | 05 25 |
| iS | ES | 09 30 |

D=8.645 Kms.=77°8

8° S - 71°4 W; Ho=16-49-30,3;
(0.5-17); h=655 Kms.; Mag. 5.6
(CGS); Oeste del Brasil.
(U.S.C.G.S.)

1150 29 Lr ZL 17 40 30

Trazas.

4°8 S - 79°3 W; Ho=17-08-25,7;
(0.7-11), h=81 Kms. Mag. 4.6
(CGS); Región fronteriza Perú-
Ecuador. (U.S.C.G.S.)

1151 30 Lr ZL 01 13 30

Trazas.

38°9 S - 72°4 W; Ho=00-15-57*;
(0.8-16); h=87 Kms.; Mag. 4.5
(CGS); Costa Central de Chile.
Sentido en Valdivia. (U.S.C.G.S.)

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| <u>Núm.</u> | <u>Fecha</u> | <u>Fase</u> | <u>Comp.</u> | <u>H</u> | <u>M</u> | <u>S</u> |
|-------------|--------------|-------------|--------------|---------------|----------|----------|
| 1152 | 30 | iP | ZS | 12 | 40 | 50 |
| | | | | dilatación | | |
| | | i | ZS | | 41 | 00 |
| | | ePP | ZL | | 44 | 52 |
| | | iS | NL | | 51 | 53 |
| | | iPS | NL | | 52 | 48 |
| | | iSS | NL | | 58 | 10 |
| | | iSSS | NL | 13 | 01 | 10 |
| | | G | NL | | 05 | 14 |
| | | Lq | NL | | 07 | 00 |
| | | Lr | ZL | | 10 | 00 |
| | | | | seg. micrones | | |
| | | Lr | ZL | 62.0 | 27.6 | |

D=10.400 Kms.=93°6

6°8 N - 94°8 E; Ho=12-27-38,6;
 (1.5-47); h=33 Kms.(R); Mag. 6 1/2 -
 6 3/4 (Pal); 5.7 (CGS); Región Islas
 Nicobar. (U.S.C.G.S.)

| | | | | | | |
|------|----|-----|----|------------|----|------|
| 1153 | 30 | iPg | ZS | 16 | 03 | 10,5 |
| | | | | compresión | | |
| | | eSg | ES | | 03 | 15 |

Explosión artificial en Yepes.
 Toledo.

Instituto Geográfico y Catastral
 OBSERVATORIO CENTRAL GEOFISICO
 "ALFONSO REY PASTOR"
 TOLEDO

MOVIMIENTO MICROSISMICO
 MES DE NOVIEMBRE 1.964.

N - S

E - W

| Día | N - S | | | | | Car | E - W | | | | | Car | | | | | | |
|-----|-------|----|----|----|-----|-----|-------|----|---|----|----|-----|-----|----|-------|----|----|---|
| | 0 | | VI | | XII | | XVIII | | 0 | | VI | | XII | | XVIII | | | |
| | T | A | T | A | T | | A | T | A | T | A | | T | A | T | A | T | A |
| 1 | 40 | 05 | 50 | 07 | 40 | 09 | 50 | 07 | 3 | 40 | 06 | 50 | 04 | 50 | 04 | 40 | 05 | 3 |
| 2 | 45 | 07 | 50 | 05 | 45 | 03 | 40 | 04 | 3 | 45 | 03 | 40 | 06 | 40 | 05 | 40 | 05 | 3 |
| 3 | 40 | 05 | 40 | 05 | 40 | 06 | 40 | 08 | 3 | 40 | 04 | 35 | 05 | 40 | 03 | 40 | 03 | 3 |
| 4 | 40 | 08 | 45 | 10 | 50 | 08 | 55 | 15 | 3 | 45 | 07 | 40 | 10 | 50 | 09 | 45 | 10 | 3 |
| 5 | 40 | 14 | 45 | 13 | 50 | 09 | 50 | 10 | 2 | 50 | 08 | 40 | 09 | 40 | 10 | 40 | 08 | 2 |
| 6 | 50 | 12 | 45 | 14 | 50 | 15 | 50 | 20 | 2 | 40 | 09 | 50 | 08 | 50 | 09 | 50 | 07 | 2 |
| 7 | 50 | 09 | 50 | 09 | 50 | 09 | 50 | 09 | 2 | 50 | 08 | 50 | 08 | 40 | 06 | 45 | 07 | 2 |
| 8 | 50 | 08 | 50 | 12 | 60 | 18 | 50 | 21 | 2 | 50 | 07 | 45 | 13 | 50 | 13 | 50 | 09 | 2 |
| 9 | 50 | 20 | 55 | 11 | 50 | 13 | 60 | 08 | 1 | 50 | 10 | 45 | 11 | 50 | 07 | 40 | 09 | 1 |
| 10 | 60 | 10 | 50 | 09 | 50 | 11 | 60 | 07 | 2 | 55 | 10 | 60 | 06 | 60 | 09 | 60 | 05 | 2 |
| 11 | 60 | 08 | 60 | 08 | 60 | 08 | 70 | 10 | 2 | 55 | 06 | 50 | 06 | 60 | 07 | 60 | 08 | 2 |
| 12 | 70 | 16 | 60 | 16 | 90 | 21 | 85 | 19 | 1 | 65 | 12 | 65 | 12 | 80 | 14 | 75 | 14 | 1 |
| 13 | 80 | 16 | 75 | 17 | 60 | 14 | 70 | 10 | 1 | 70 | 13 | 65 | 15 | 65 | 10 | 60 | 09 | 1 |
| 14 | 60 | 11 | 70 | 12 | 60 | 20 | 65 | 17 | 2 | 70 | 07 | 70 | 09 | 55 | 09 | 60 | 12 | 2 |
| 15 | 60 | 14 | 55 | 28 | 50 | 11 | 55 | 11 | 2 | 50 | 09 | 50 | 10 | 60 | 09 | 50 | 09 | 2 |
| 16 | 55 | 15 | 50 | 14 | 50 | 11 | 50 | 12 | 3 | 50 | 09 | 60 | 08 | 50 | 07 | 50 | 09 | 3 |
| 17 | 50 | 09 | 60 | 10 | 60 | 08 | 50 | 09 | 3 | 50 | 06 | 45 | 06 | 50 | 07 | 50 | 06 | 3 |
| 18 | 50 | 07 | 50 | 07 | 50 | 08 | 50 | 07 | 3 | 50 | 06 | 50 | 06 | 50 | 06 | 50 | 03 | 3 |
| 19 | 50 | 09 | 50 | 07 | 60 | 06 | 60 | 12 | 3 | 50 | 04 | 55 | 05 | 60 | 08 | 55 | 07 | 3 |
| 20 | .. | .. | 60 | 11 | 60 | 12 | 70 | 10 | 2 | .. | .. | 60 | 06 | 60 | 07 | 50 | 07 | 2 |
| 21 | 55 | 08 | 50 | 09 | 50 | 11 | 50 | 11 | 2 | 50 | 06 | 55 | 08 | 50 | 07 | 50 | 08 | 2 |
| 22 | 60 | 10 | 55 | 07 | 60 | 06 | 50 | 08 | 3 | 50 | 07 | 60 | 05 | 50 | 04 | 50 | 04 | 3 |
| 23 | 50 | 07 | 45 | 06 | 40 | 05 | 45 | 06 | 3 | 60 | 05 | 55 | 04 | 40 | 04 | 40 | 05 | 3 |
| 24 | 45 | 06 | 40 | 07 | 35 | 04 | 45 | 08 | 3 | 50 | 05 | 40 | 04 | 40 | 04 | 40 | 04 | 3 |
| 25 | 45 | 06 | 45 | 05 | 50 | 07 | 40 | 06 | 3 | 50 | 04 | 45 | 03 | 50 | 04 | 50 | 06 | 3 |
| 26 | 55 | 05 | 50 | 06 | 50 | 05 | 45 | 08 | 3 | 45 | 07 | 50 | 06 | 50 | 06 | 50 | 04 | 3 |
| 27 | 50 | 05 | 40 | 08 | 40 | 08 | 50 | 07 | 3 | 40 | 04 | 50 | 05 | 35 | 06 | 40 | 06 | 3 |
| 28 | 40 | 11 | 40 | 11 | 50 | 09 | 45 | 12 | 3 | 40 | 06 | 40 | 08 | 40 | 07 | 50 | 09 | 3 |
| 29 | 50 | 12 | 50 | 14 | 50 | 12 | 50 | 13 | 2 | 45 | 08 | 50 | 15 | 35 | 09 | 35 | 09 | 2 |
| 30 | 50 | 20 | 50 | 13 | 50 | 15 | 50 | 11 | 2 | 50 | 09 | 50 | 11 | 45 | 09 | 45 | 07 | 2 |

Los números de las columnas T representan décimas de segundo
 y los números de las columnas A décimas de micron.

G. Payo
 Director.

Ana M^a G. Menor.

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S | |
|---|-------|------|----------------|----|------|---------------|---|--|-------|-------|----|----|----|----|
| 1156 | 2 | | (Continuación) | | | | 1162 | 5 | eP | ZS | 20 | 01 | 47 | |
| | | | | | | | | | Lr | ZL | 29 | 30 | | |
| 9°1 S - 158° E; Ho=10-08-39,6; (1.7-14); h=42 Kms.; Mag. 5.6 (CGS); Islas Salomón. (U.S.C.G.S.) | | | | | | | 59°4 N - 144°8 W; Ho=19-50-01,6; (1.5-23); h=33 Kms.(R); Mag. 4.7 (CGS); Golfo de Alaska. (U.S.C.G.S.) | | | | | | | |
| 1157 | 2 | iP | ZS | 13 | 31 | 06,5 | 1163 | 5 | eiP | ZS | 22 | 44 | 34 | |
| | | i | ZS | | 31 | 17,5 | | | | | | | | |
| | | eS | EL | | 41 | 05 | | | (Lq) | NL | | 21 | 15 | |
| | | ePS | EL | | 42 | 27 | | | (Lr) | ZL | | 31 | 00 | |
| | | e | EL | | 44 | 47 | | | | | | | | |
| | | Lr | ZL | 14 | 03 | 00 | | | | | | | | |
| 53°8 N - 165°4 W; Ho=13-13-29; (1.4-12), h=35 Kms.; Mag. 5.0 (CGS); Islas Fox, Aleutianas. (U.S.C.G.S.) | | | | | | | 54° N - 161°5 E; Ho=22-31-44,3; (0.4-16); h=38 Kms.(R); Mag. 5.2 (CGS); Cerca de la costa E de Kam- chatka. (U.S.C.G.S.) | | | | | | | |
| 1158 | 3 | iP | ZS | 04 | 02 | 31 | 1164 | 6 | eiP | ZS | 00 | 04 | 17 | |
| | | | | | | compresión | | | Lq | ZL | | 40 | 20 | |
| | | ePP | ZL | | 06 | 09 | | | Lr | ZL | | 48 | 24 | |
| | | ePP | EL | | 06 | 12 | | | | | | | | |
| | | eS | EL | | 13 | 10 | | 53°9 N - 161°5 E; Ho=23-51-38,8; (0.3-17); h=38 Kms.(R); Mag. 5.3 (CGS); Fuera de la costa de Kam- chatka. (U.S.C.G.S.) | | | | | | |
| | | ePS | EL | | 14 | 26 | | 1165 | 6 | iP | ZS | 02 | 55 | 23 |
| | | Lq | NL | | 27 | 30 | | | | | | | | |
| | | Lr | ZL | | 31 | 30 | | | Lr | ZL | 03 | 51 | 00 | |
| | | M | ZL | | 36 | 00 | | | | | | | | |
| | | | | | | seg. micrones | | | | | | | | |
| | | M | ZL | | 28.0 | 2.7 | | | | | | | | |
| 15° S - 66°8 E; Ho=03-50-01,2; (0.3-28); h=46 Kms.; Mag. 6.1 (CGS) Cresta de la India Central. (U.S.C.G.S.) | | | | | | | Trazas. | | | | | | | |
| 1159 | 3 | iP | ZS | 22 | 41 | 01 | 1166 | 6 | Lr | ZL | 04 | 09 | 00 | |
| | | | | | | compresión | | | | | | | | |
| Trazas. 36°6 N - 55°6 E; Ho=22-32-38; h=33 Kms.(R); Iran. (B.C.I.S.) | | | | | | | Trazas. | | | | | | | |
| 1160 | 4 | Lr | ZL | 02 | 37 | 30 | 1167 | 6 | Lr | ZL | 05 | 35 | 00 | |
| 7°8 N - 102°7 W; Ho=01-54-49,3; (1.3-20); h=33 Kms.; Mag. 4.9 (CGS); Fuera de la costa de Mé- jico. (U.S.C.G.S.) | | | | | | | Trazas. 2°3 S - 138°3 E; Ho=04-27-16*; h=33 Kms.(R); Oeste de Nueva Gu- nea. (U.S.C.G.S.) | | | | | | | |
| 1161 | 4 | eP" | ZL | 16 | 08 | 08 | 1168 | 6 | Lr | ZL | 08 | 58 | 30 | |
| | | iPP | ZL | | 11 | 08 | | | | | | | | |
| | | eSKS | NL | | 14 | 52 | | Trazas. | | | | | | |
| | | iPS | ZL | | 21 | 16 | | 1169 | 6 | e | ZL | 09 | 30 | 20 |
| | | iSS | ZL,NL | | 30 | 24 | | | | Lr | ZL | | 38 | 00 |
| | | i | ZL | | 33 | 36 | | | | | | | | |
| | | iSSS | NL | | 34 | 24 | | Trazas. | | | | | | |
| | | Lr | ZL | | 56 | 20 | | 1170 | 7 | iP" | ZS | 09 | 18 | 00 |
| 6°4 S - 150°7 E; Ho=15-48-43,4; (1.5-19); h=19 Kms.; Mag. 5.2 (CGS); Región Nueva Bretaña. (U.S.C.G.S.) | | | | | | | compresión | | | | | | | |
| | | | | | | | | | ipP" | ZS | | 18 | 23 | |
| | | | | | | | | | iPP | ZL | | 21 | 03 | |
| | | | | | | | | | iPKS | EL | | 21 | 30 | |
| | | | | | | | | | ePPP | ZL | | 24 | 05 | |
| | | | | | | | | | eSKKS | ZL | | 27 | 48 | |
| | | | | | | | | | ePS | ZL | | 32 | 38 | |
| | | | | | | | | | | | | | | |

(Continúa)

--3--

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|----------------|------|----|-----|
| 1170 | 7 | | (Continuación) | | | |
| | | iSS | ZL | 09 | 39 | 29 |
| | | iSSS | NL | | 44 | 40 |
| | | i | NL | | 48 | 34 |
| | | Lr | ZL | | 57 | 00 |
| | | M | ZL | 10 | 13 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 27.0 | | 2.4 |

 D=15.455 Kms.=139^o1

 5^o4 S - 151^o3 E; Ho=08-58-43,9;
 (0.7-39); h=54 Kms.(R); Mag. 5 1/2
 -5 3/4 (BRK) Región Nueva Bretaña
 (U.S.C.G.S.)

| | | | | | | |
|------|---|----|-------|----|----|----|
| 1171 | 7 | eL | NL,EL | 16 | 51 | 30 |
|------|---|----|-------|----|----|----|

Muy débil.

 5^o1 S - 145^o9 E; Ho=15-43-29,7;
 (0.9-10); h=219 Kms.; Mag. 5.0 (CGS)
 Región al E de Nueva Guinea.
 (U.S.C.G.S.)

| | | | | | | |
|------|---|------|---------------|------|----|------------|
| 1172 | 7 | iP | ZL | 19 | 04 | 40 |
| | | | | | | dilatación |
| | | i | ZS | | 04 | 47 |
| | | iS | EL | | 14 | 30 |
| | | iSS | EL | | 19 | 40 |
| | | iSSS | EL | | 22 | 40 |
| | | Lq | NL | | 24 | 30 |
| | | iSa | EL | | 24 | 55 |
| | | Lr | ZL,EL | | 28 | 32 |
| | | M | ZL | | 31 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 24.0 | | 3.0 |

 D=8.665 Kms.=78^o

 5^o7 N - 82^o2 W; Ho=18-52-47,6;
 (1.3-37); Mag. 5 1/4 - 5 1/2 (PAL)
 5.2 (CGS); Sur de Panamá.
 (U.S.C.G.S.)

| | | | | | | |
|------|---|-----|----|----|----|----|
| 1173 | 8 | eLr | ZL | 04 | 49 | 30 |
|------|---|-----|----|----|----|----|

Muy débil.

 11^o5 N - 87^o W; Ho=04-11-53,7;
 (1.0-28); h=48 Kms.; Mag. 4 3/4 -
 5 (PAL); 5.0 (CGS); Cerca de la
 costa de Nicaragua. (U.S.C.G.S.)

| | | | | | | |
|------|---|-----|---------------|------|----|-----|
| 1174 | 8 | eP | ZL | 18 | 03 | 32 |
| | | e | ZL | | 19 | 17 |
| | | eSS | ZL | | 21 | 48 |
| | | Lr | ZL | | 36 | 20 |
| | | M | EL | | 48 | 00 |
| | | | seg. micrones | | | |
| | | M | EL | 20.0 | | 4.8 |

 34^o7 N - 139^o2 E; Ho=17-49-46,3;
 (1.2-11); h=31 Kms.; Mag. 5.2 (CGS)
 Cerca de la costa de Honshu, Japón.
 (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|------------|
| 1175 | 8 | iP | ZS | 21 | 05 | 25 |
| | | | | | | compresión |
| | | epP | ZS | | 05 | 41 |
| | | Lr | ZL | | 21 | 18 |

 19^o N - 64^o W; Ho=20-55-55,3;
 (1.0-28); h=55 Kms.; Mag. 4.5
 (CGS); Islas Leeward. (U.S.C.G.S.)

| | | | | | | |
|------|---|----|----|----|----|----|
| 1176 | 9 | Lr | ZL | 07 | 40 | 00 |
|------|---|----|----|----|----|----|

Trazas.

 43^o1 N - 145^o2 E; Ho=06-42-32*;
 (0.5-18); h=39 Kms.; Mag. 4.8
 (CGS); Región de Hokkaido, Japón.
 (U.S.C.G.S.)

| | | | | | | |
|------|---|------|-------|----|----|------------|
| 1177 | 9 | iP | ZS | 13 | 47 | 26 |
| | | | | | | dilatación |
| | | e | ZL | | 47 | 45 |
| | | epP | ZL | | 49 | 31 |
| | | iPP | ZL | | 50 | 32 |
| | | iPPP | ZL | | 53 | 46 |
| | | i | ZL | | 55 | 53 |
| | | iS | NL | | 57 | 00 |
| | | i | ZL | | 58 | 18 |
| | | ePS | ZL | | 59 | 44 |
| | | !i | NL,EL | 14 | 00 | 56 |
| | | iSS | NL | | 05 | 52 |
| | | iSSS | ZL | | 07 | 22 |

 27^o5 S - 63^o2 W; Ho=13-35-42,4;
 (0.8-39); h=586 Kms.(R); Mag.
 5 - 5 1/4 (BRK); 6 1/4 (Pal), 5.0
 (CGS); Provincia de Santiago de
 Estero. Argentina. (U.S.C.G.S.)

| | | | | | | |
|------|---|------|---------------|-----|----|------|
| 1178 | 9 | iePg | ZS | 15 | 20 | 01 |
| | | iSg | ZS | | 20 | 01 |
| | | M | ZS | | 20 | 01 |
| | | | seg. micrones | | | |
| | | M | ZS | 0.3 | | 0.06 |

 Explosión artificial en las can-
 teras de Yepes. Toledo.

| | | | | | | |
|------|---|-----|----|----|----|----|
| 1179 | 9 | eP | ZS | 18 | 32 | 59 |
| | | ePP | ZS | | 33 | 16 |
| | | Lr | ZL | | 43 | 40 |

 41^o N - 21^o E; Ho=18-28-37; Sentido
 en Macedonia en la Región de
 Bitola. Intensidad máxima VII.
 (E.C.I.S.)

 41^o1 N - 21^o E; Ho=18-28-38,2;
 (1.5-16); h=30 Kms.; Mag. 4.8 (CGS)
 Región fronteriza Albania-Yugoslavia.
 Sentido en Macedonia.
 (U.S.C.G.S.)

-4-

Núm. Fecha Fase Comp. H M S
1180 9 eP ZS 19 10 44

40°9 N - 20°6 E; Ho=19-06-16,9;
(1.1-15); h=23 Kms.; Frontera Gre-
cia Albania (U.S.C.G.S.)

1181 9 ipP ZS 19 24 43
dilatación

1°1 S - 77°9 W; Ho=19-12-21*
(1.5-15); h=242 Kms.; Mag. 4.5
(CGS); Ecuador. (U.S.C.G.S.)

1182 10 iP ZS 15 24 19
dilatación

| | | |
|-------|---------------|-----------|
| i | ZS | 24 34,5 |
| iPP | ZL | 28 08 |
| ePPP | ZL | 29 22 |
| iSKS | NL | 34 53 |
| iS | NL | 35 32 |
| iPS | ZL | 36 40 |
| eSS | NL | 41 34 |
| iSSS | NL | 45 12 |
| i(Sa) | NL | 48 00 |
| HM | NL | 49 30 |
| Lq | NL | 50 40 |
| HM | ZL | 54 40 |
| Lr | ZL | 55 00 |
| M | EL | 16 04 00 |
| | seg. micrones | |
| M | EL | 18.0 13.3 |

D=10.665 Kms.=96°
40°4 N - 138°9 E; Ho=15-11-05,5;
(1.2-92); h=33 Kms.(R); Mag. 6 3/4
- 7 (BRK) 6 (PAL), 6.0 (CGS); Este
del Mar del Japón. (U.S.C.G.S.)

1183 11 eiP ZS 23 44 03
Lr ZL 00 20 00

40°2 N - 139° E; Ho=23-30-51,4;
h=39 Kms.; Mag. 5.4 (CGS); E del
Mar del Japón. (U.S.C.G.S.)

1184 12 e ZL 08 04 44
e ZL 10 20
Lr ZL 26 46

Trazas.

1185 12 Lr ZL 20 42 16

26°1 S - 175°9 W; Ho=19-44-55,7;
(1.4-25); h=85 Kms.; Mag. 4.9
(CGS); Sur de las Islas Tonga.
(U.S.C.G.S.)

1186 13 iP ZS 00 45 04,5
dilatación
(Continúa)

Núm. Fecha Fase Comp. H M S
1186 13 (Continuación)

| | | |
|-----|----|----------|
| i | ZS | 00 45 50 |
| eS | EL | 54 40 |
| eSS | EL | 59 52 |
| Lq | EL | 01 05 48 |
| Lr | ZL | 08 00 |

64°9 N - 165°7 W; Ho=00-33-24,7;
(0.9-46); h=15 Kms.(R); Mag. 6
(Pal); 5.4 (CGS); Alaska. Sentido
en Nome. (U.S.C.G.S.)

1187 13 Lr ZL 14 05 00

20°1 N - 122 E; Ho=13-15-49,8;
(1.6-26); h=33 Kms.(R); Mag. 4.8
(CGS); Región Islas Filipinas.
(U.S.C.G.S.)

1188 13 iR' ZS 19 32 4
dilatación
iB' ZS 33 02

10°7 S - 165° E; Ho=19-12-57,1;
(1.2-20); h=33 Kms.(R); Mag. 5.3
(CGS); Islas Santa Cruz. (U.S.C.G.S.)

1189 13 Lr ZL 22 43 00

Trazas.

1190 14 eP ZS 02 12 33,5
e ZL 15 00
eSKS NL 23 00
iS EL 23 35
iPS NL 24 46
iSS NL 29 56
Lq EL 36 00
Lr ZL 43 00
M ZL 48 00
seg. micrones
M ZL 24.0 6.8

54°3 S - 2°4 W; Ho=01-59-05,6;
(1.7-18); h=33 Kms.(R); Cresta
del Atlántico Sur (U.S.C.G.S.)

1191 15 Lr ZL 05 22 30

Trazas.

1192 15 eP ZS 12 25 1
epP ZS 25 4
eS ZL 35 0
Lr ZL 50 0

14°7 N - 91°7 W; Ho=12-13-25,
(1.0-39); h=118 Kms. Mag. 5.4
(CGS); Sentido en Guatemala.
(U.S.C.G.S.)

-5-

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 1193 | 16 | Lr | ZL | 03 | 30 | 00 |

Trazas.

| | | | | | | |
|------|----|----|----|----|----|----|
| 1194 | 16 | Lr | ZL | 04 | 16 | 00 |
|------|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|------|----|----|----|----|----|----|
| 1195 | 16 | Lr | ZL | 19 | 25 | 00 |
|------|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|------|----|----|----|----|----|----|
| 1196 | 17 | e | ZL | 05 | 44 | 20 |
| | | Lr | ZL | 06 | 06 | 00 |

Trazas.

| | | | | | | |
|------|----|----|----|----|----|----|
| 1197 | 17 | e | ZL | 14 | 23 | 00 |
| | | Lr | ZL | | 42 | 00 |

16° N - 96° W; Ho=13-59-25,3;
(0.9-26); h=36 Kms. (R); Mag. 4.9
(CGS); Oaxaca. Méjico. (U.S.C.G.S.)

| | | | | | | |
|------|----|-----|---------------|-----|------|------|
| 1198 | 17 | e | NS | 20 | 42 | 17,5 |
| | | e | NS | | 42 | 53 |
| | | eSg | NS | | 42 | 57 |
| | | | seg. micrones | | | |
| | | eSg | NS | 0.6 | 0.04 | |

Débil.

| | | | | | | |
|------|----|-----|--------------|----|----|------|
| 1199 | 17 | iP | ZS | 23 | 57 | 36,5 |
| | | | (Dilatación) | | | |
| | | ePP | ZL | 00 | 01 | 16 |
| | | eS | NL | | 08 | 09 |
| | | esS | NL | | 08 | 42 |
| | | iPS | ZL | | 09 | 49 |
| | | Lr | ZL | | 27 | 00 |

51° N - 177° W; Ho=23-44-46,2;
(0.8-54); h=57 Kms.; Mag. 5.5 (CGS)
Islas Andreanof. Aleutianas.
(U.S.C.G.S.)

| | | | | | | |
|------|----|----|----|----|----|----|
| 1200 | 18 | Lr | ZL | 12 | 01 | 00 |
|------|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|------|----|----|----|----|----|----|
| 1201 | 18 | Lr | ZL | 20 | 30 | 00 |
|------|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|------|----|-------|---------------|-----|------|------|
| 1202 | 19 | i(Pg) | ZS | 10 | 22 | 09 |
| | | iSg | ES | | 22 | 14,5 |
| | | | seg. micrones | | | |
| | | iSg | ES | 0.5 | 0.04 | |

Muy débil.

Explosión artificial en las canteras de Yepes. Toledo.

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|----|
| 1203 | 19 | Lr | ZL | 13 | 49 | 00 |

Trazas.

| | | | | | | |
|------|----|-------|---------------|-----|------|----|
| 1204 | 19 | e(Sg) | ZS | 14 | 59 | 32 |
| | | | seg. micrones | | | |
| | | e(Sg) | ZS | 0.5 | 0.02 | |

Muy débil.

| | | | | | | |
|------|----|----|----|----|----|----|
| 1205 | 20 | Lr | ZL | 10 | 39 | 00 |
|------|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|------|----|----|----|----|----|----|
| 1206 | 20 | Lr | ZL | 15 | 23 | 00 |
|------|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|------|----|-------|---------------|-----|------|------|
| 1207 | 21 | iPn | ZS | 00 | 05 | 48,5 |
| | | | dilatación | | | |
| | | i(P*) | ZS | | 05 | 49,5 |
| | | iPg | ZS | | 05 | 59,5 |
| | | iSn | ZS | | 06 | 23,5 |
| | | iS* | ZS | | 06 | 29 |
| | | iSg | NS | | 06 | 39,5 |
| | | | seg. micrones | | | |
| | | iSg | NS | 0.9 | 0.04 | |

D=345 Kms.=3°10

39° N - 0° W; Ho=00-04-59;
h=33 Kms.; Mag. 4.2, Foco submarino.
Próximo a Valencia. (L.C.S.S. Madrid)

| | | | | | | |
|------|----|----|----|----|----|----|
| 1208 | 21 | Lr | ZL | 14 | 34 | 00 |
|------|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|------|----|-----|----|----|----|----|
| 1209 | 21 | eiP | ZS | 17 | 48 | 11 |
|------|----|-----|----|----|----|----|

60° N - 146° W; Ho=17-36-29;
(0.4-22); h=43 Kms.; Mag. 5.0
(CGS); Sur de Alaska. (U.S.C.G.S.)

| | | | | | | |
|------|----|-------|---------------|-----|-----|------|
| 1210 | 22 | iP | ZS | 00 | 35 | 53,2 |
| | | | dilatación | | | |
| | | i | ZS | | 35 | 58,5 |
| | | i | ZS | | 36 | 11 |
| | | i | ZS | | 36 | 28 |
| | | i | ZS | | 36 | 43 |
| | | i(pP) | ZS | | 38 | 00 |
| | | iS | ES | | 45 | 06 |
| | | i | ZL | | 45 | 46 |
| | | e | ZL | | 51 | 00 |
| | | e | ZL | | 54 | 06 |
| | | | seg. micrones | | | |
| | | iP | ZS | 1.5 | 0.5 | |

D=7.890 Kms.=71°

9° S - 71° W; h0.00-24-48,7;
(1.0-37); h=614 Kms. (R); Mag. 5.3
(CGS); Región fronteriza Perú-Brasil.
(U.S.C.G.S.)

-6-

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|---------------|-----|----|
| 1211 | 22 | iP | ZS | 04 | 45 | 33 |
| | | | | compresión | | |
| | | iPP | ZL | 47 | 40 | |
| | | iS | NL | 52 | 52 | |
| | | iPS | ZL | 53 | 18 | |
| | | eSS | EL | 56 | 40 | |
| | | HM | ZL | 05 | 00 | 40 |
| | | Lr | ZL | 03 | 30 | |
| | | M | ZL | 10 | 00 | |
| | | | | seg. micrones | | |
| | | M | ZL | 21.0 | 6.0 | |

D=5.765 Kms.=51°9
 28°1 N - 56°9 E; Ho=04-36-34;
 h=30 Kms.; Sur de Iran. (B.C.I.S.)

28°2 N - 57° E; Ho=04-36-34,7;
 (1.2-38); h=42 Kms.; Mag. 5.5
 (CGS); Sur de Iran. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|-------|-------|------------|------|----|
| 1212 | 22 | iP | ZS | 08 | 11 | 04 |
| | | | | compresión | | |
| | | ipP | ZS | 11 | 30,5 | |
| | | iS | EL | 19 | 04 | |
| | | ePS | ZL | 19 | 32 | |
| | | isS | EL | 19 | 52 | |
| | | i(SS) | EL | 21 | 30 | |
| | | iSSS | NL | 25 | 30 | |
| | | iSa | ZL | 26 | 51 | |
| | | Lr | ZL | 28 | 30 | |

D=6.510 Kms.=58°6
 18°4 N - 68°8 W; Ho=08-01-12,6;
 (0.9-37); h=115 Kms.(R); Mag. 6
 (PAS); 5.6 (CGS); Estrecho de la
 Mona. Sentido debilmente en Puerto
 Rico. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|---------------|-----|----|
| 1213 | 22 | eP | ZS | 21 | 07 | 23 |
| | | Lq | EL | 31 | 40 | |
| | | Lr | ZL | 33 | 30 | |
| | | M | NL | 35 | 00 | |
| | | | | seg. micrones | | |
| | | M | NL | 30.0 | 6.6 | |

31°9 N - 117°1 W; Ho=20-54-35,3
 (2.0-53); h=14 Kms.(R); Mag. 5.6
 (PAS); 6 - 6 1/4(PAL); 6.3 (CGS)
 Fuera y al Oeste de la costa de
 la baja California. Daños menores en
 la Ensenada de Méjico y San Diego
 Sentido en EL Centro y Los Angeles
 (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|------------|------|----|
| 1214 | 23 | iPn | ZS | 06 | 48 | 01 |
| | | | | dilatación | | |
| | | iP* | ZS | 48 | 03,5 | |
| | | iPg | ZS | 48 | 09 | |
| | | i | ES | 48 | 17,5 | |
| | | i | ES | 48 | 25,5 | |
| | | | | (Continua) | | |

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|---------|-------|----------------|------|------|
| 1214 | 23 | | | (Continuación) | | |
| | | i(Sn)ZS | | 06 | 48 | 30,5 |
| | | iSg | ES | 48 | 48 | |
| | | | | seg. micrones | | |
| | | iSg | ES | 0.9 | 1.10 | |

D=323 Kms.=2°90
 36°9 N - 4°3 W; Ho=06-47-12;
 h=33 Kms.; Mag. 4.8 (CGS); Próximo
 a Colmenar (Málaga). Sentido en
 Málaga. (U.S.C.G.S.)

36°8 N - 4°3 W; Ho=06-47-13;
 España. Sentido en los alrededores
 de Málaga. (B.C.I.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|---------------|-----|----|
| 1215 | 23 | ePP | ZL | 20 | 14 | 47 |
| | | ePKS | EL | 17 | 56 | |
| | | ePPS | ZL | 25 | 18 | |
| | | Lq | EL | 42 | 00 | |
| | | Lr | ZL | 44 | 00 | |
| | | M | ZL | 54 | 00 | |
| | | | | seg. micrones | | |
| | | M | ZL | 19.0 | 3.3 | |

Trazas.

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|------|
| 1216 | 24 | eP | ZS | 01 | 18 | 12,5 |
| | | ipP | ZS | 18 | 46 | |

36°2 N - 70°9 E; Ho=01-08-37,7;
 (1.3-29); h=158 Kms.; Mag. 5.6
 (CGS); Región Hindu Kush. Sentido
 en Peshawar. Reasalpur. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|-------|-------|------------|----|----|
| 1217 | 24 | iP" | ZS | 19 | 04 | 58 |
| | | | | Dilatación | | |
| | | iP" | ZS | 05 | 05 | |
| | | ipP" | ZS | 05 | 27 | |
| | | i(PP) | ZS | 08 | 07 | |
| | | ipPP | ZS | 08 | 36 | |
| | | eSS | ZL | 25 | 55 | |
| | | Lr | ZL | 45 | 20 | |

4°4 S - 153°1 E; Ho=18-45-45,5;
 (1.0-41); h=93 Kms.(R); Mag. 5.1
 (CGS); Región Nueva Irlanda. Sen-
 tido en Rabaul, y Londolovit
 (U.S.C.G.S.)

Según la nomenclatura indic-
 da en G. Payo Subiza y M. Bath
 (Geophys. J. 8, 496-513, 1964).

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|---------------|-------|------|
| 1218 | 25 | e | ZS | 01 | 07 | 47,5 |
| | | iSg | ZS | 08 | 27,5 | |
| | | | | seg. micrones | | |
| | | iSg | ZS | 0.5 | 0.007 | |

Muy débil.

-7-

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|------------|------|------|
| 1219 | 25 | iP | ZS | 09 | 00 | 57,5 |
| | | | | compresión | | |
| | | ipP | ZS | 01 | 31 | |
| | | isP | ZS | 01 | 48,5 | |
| | | eS | NL | 10 | 14 | |
| | | Lr | ZL | 28 | 00 | |

18°8 S - 69° W; Ho=08-48-37,7;
(0.6-23); h=117 Kms. Mag. 5.1
(CGS); Norte de Chile (U.S.C.G.S.)

| | | | | | | |
|------|----|----|----|----|----|----|
| 1220 | 25 | Lr | ZL | 14 | 43 | 00 |
|------|----|----|----|----|----|----|

35°2 N - 139°1 E; Ho=13-50-50*;
(0.8-19); h=104 Kms. Mag. 4.8
(CGS); Cerca de la costa Sur de
Honshu. Japón. (U.S.C.G.S.)

| | | | | | | |
|------|----|----|----|----|----|----|
| 1221 | 25 | Lr | ZL | 17 | 18 | 00 |
|------|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|------|----|----|----|----|----|----|
| 1222 | 25 | Lr | ZL | 17 | 52 | 00 |
|------|----|----|----|----|----|----|

34°8 N - 139°3 E; Ho=17-01-32,2;
(1.2-25); h=33 Kms.(R). Mag. 5.1
(CGS); Cerca de la costa sur de
Honshu. Japón. Algunos daños en
O.Shima. Sentido en Tokio.
(U.S.C.G.S.)

| | | | | | | |
|------|----|----|----|----|----|----|
| 1223 | 26 | Lr | ZL | 08 | 56 | 00 |
|------|----|----|----|----|----|----|

Trazas.

16°7 N - 99°6 W; Ho=08-16-28,9;
(0.9-29); h=33 Kms.(R); Mag. 5.4
(CGS); Cerca de la costa de Gua-
rrero. Méjico. (U.S.C.G.S.)

| | | | | | | |
|------|----|-------|----|------------|------|------|
| 1224 | 26 | iP | ZS | 14 | 43 | 01,5 |
| | | | | compresión | | |
| | | ipP | ZS | 43 | 37,5 | |
| | | i(sP) | ZL | 43 | 50 | |
| | | ePP | ZL | 46 | 26 | |
| | | iS | NL | 53 | 13 | |
| | | ipS | EL | 53 | 28 | |
| | | isS | NL | 54 | 21 | |
| | | iPS | EL | 54 | 32 | |
| | | iSS | EL | 59 | 19 | |
| | | Lq | EL | 15 | 06 | 00 |
| | | Lr | ZL | 12 | 00 | |

D=9.265 Kms.=83°4 h=150 Kms.
51°8 N - 156°8 E; Ho=14-30-29,1;
(0.5-41); h=136 Kms.(R); Mag. 4.7
(CGS); Kamchatka. (U.S.C.G.S.)

| | | | | | | |
|------|----|-----|----|----|----|----|
| 1225 | 27 | ePS | ZL | 18 | 11 | 40 |
| | | Lr | ZL | 50 | 00 | |

(Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|-------|-------|------|-------|----------------|---|---|
| 1225, | 27 | | | | | |
| | | | | (Continuación) | | |

12°9 N - 125°4 E; Ho=17-43-21,4;
(1.0-39); h=33 Kms.(R); Mag. 5 1/4
- 5 1/2 (PAL). 5.9 (CGS). Samar.
Islas Filipinas. Sentido en Catar-
man. (U.S.C.G.S.)

| | | | | | | |
|------|----|-----|----|---------------|------|----|
| 1226 | 28 | e | ZS | 12 | 15 | 13 |
| | | eSg | ES | 15 | 24 | |
| | | i | ZS | 15 | 52,5 | |
| | | | | seg. micrones | | |
| | | eSg | ES | 0.3 | 0.10 | |

Muy débil.

| | | | | | | |
|------|----|------------------|----|------------|------|----|
| 1227 | 28 | iP ₁ | ZS | 16 | 35 | 06 |
| | | | | compresión | | |
| | | iP ₂ | ZS | 35 | 55,5 | |
| | | ipP ₁ | ZL | 37 | 26 | |
| | | ipP ₂ | ZL | 38 | 06 | |
| | | i | ZL | 39 | 10 | |
| | | iPP | ZL | 39 | 40 | |
| | | ipP | ZL | 41 | 49 | |
| | | i | ZL | 42 | 50 | |
| | | iSKKS | NL | 45 | 34 | |
| | | iSKSP | NL | 49 | 47 | |
| | | i | NL | 52 | 12 | |
| | | i | NL | 54 | 07 | |
| | | iSS | EL | 59 | 16 | |
| | | iSSS | EL | 17 | 03 | 00 |
| | | ! i | NL | 09 | 40 | |

D=18.010 Kms.=162°1; h=200 Kms.
22°1 S - 179°6 W; Ho=16-16-11;
(1.3-28); h=611 Kms.(R); Mag.
6 1/4 - 6 1/2 (PAS), 6.2 (CGS)
Sur de las Islas Fidji. (U.S.C.G.S.)

| | | | | | | |
|------|----|-----|----|---------------|------|------|
| 1228 | 29 | iPn | ZS | 01 | 01 | 41,5 |
| | | | | dilatación | | |
| | | iPg | ZS | 01 | 49 | |
| | | i | NS | 02 | 07,5 | |
| | | i | NS | 02 | 11 | |
| | | iSg | NS | 02 | 25 | |
| | | | | seg. micrones | | |
| | | iSg | NS | 0.6 | 0.54 | |

D=300 Kms.=2°70
37°1 N - 4°2 W; Ho=01-00-57;
España. Sentido en Loja. (Grana-
da). (B.C.I.S.)

37°2 N - 4°2 W; Ho=01-00-55,8;
h=33 Kms. Mag. 4.8. Próximo a
Loja (Granada). Sentido en Loja
y con poca intensidad en Málaga.
(L.C.S.S.Madrid).

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| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|---------------|------|------|----|
| 1229 | 29 | eIP | ZS | 06 | 52 | 00 |
| | | Lr | ZL | 07 | 25 | 00 |
| | | M | ZL | | 41 | 00 |
| | | | seg. micrones | | | |
| | | M | ZL | 19.0 | 1.66 | |

51°5 N - 174°8 W; Ho=06-39-08
 (1.0-41); h=33 Kms.; Mag. 5.3
 (CGS); Islas Andreanof. Aleutianas. (U.S.C.G.S.)

| | | | | | | |
|------|----|-------|---------------|------------|------|----|
| 1230 | 29 | iPn | ZS | 10 | 25 | 30 |
| | | | | dilatación | | |
| | | iP* | ZS | 25 | 37,5 | |
| | | iPg | NS | 25 | 41 | |
| | | i | NS | 25 | 55 | |
| | | iSn | NS | 26 | 00,5 | |
| | | i(S*) | ES | 26 | 12 | |
| | | iSg | NS | 26 | 14 | |
| | | M | NS | 26 | 18 | |
| | | iLg | ZL | 26 | 33 | |
| | | iLq | NL | 26 | 36 | |
| | | | seg. micrones | | | |
| | | M | NS | 0.6 | 0.90 | |

D=300 Kms.=2°7
 37°1 N - 4°2 W; Ho=10-24-45; Sentido en Loja, Granada. (B.C.I.S.)

37°2 N - 4°2 W; Ho=10-24-44;
 h=33 Kms.; Mag. 4.7. Próximo a Loja (Granada). Sentido en Loja, Pánico entre los habitantes, sin victimas. (L.C.S.S. Madrid).

| | | | | | | |
|------|----|-----|---------------|-----|------|------|
| 1231 | 29 | ePg | ZS | 12 | 29 | 05 |
| | | iSn | NS | | 29 | 27 |
| | | iSg | NS,ES | | 29 | 36,5 |
| | | i | ZS | | 29 | 41 |
| | | | seg. micrones | | | |
| | | iSg | ES | 4.0 | 0.18 | |

Muy débil.

| | | | | | | |
|------|----|-----|---------------|-----|------|----|
| 1232 | 29 | iSg | ZS | 16 | 46 | 08 |
| | | | seg. micrones | | | |
| | | iSg | ZS | 0.5 | 0.02 | |

Muy débil.

| | | | | | | |
|------|----|----|----|----|----|----|
| 1233 | 30 | Lr | ZL | 10 | 49 | 00 |
|------|----|----|----|----|----|----|

Trazas.

| | | | | | | |
|------|----|----|---------------|------|------|----|
| 1234 | 30 | Lr | ZL | 14 | 35 | 00 |
| | | | seg. micrones | | | |
| | | Lr | ZL | 44.0 | 1.48 | |

16°7 S - 175° W; Ho=13-15-55;
 (Continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|----------------|-------|---|---|---|
| 1234 | 30 | (Continuación) | | | | |

(0.9-11); h=33 Kms. (R); Mag. 4.8
 (CGS); Islas Tonga. (U.S.C.G.S.)

| | | | | | | |
|------|----|-----|---------------|-----|------|------|
| 1235 | 31 | ePg | ZS | 13 | 53 | 18 |
| | | i | NS,ES | | 53 | 22,5 |
| | | iSg | NS | | 53 | 27,5 |
| | | | seg. micrones | | | |
| | | iSg | NS | 0.8 | 0.01 | |

Débil.

| | | | | | | |
|------|----|-----|---------------|-----|------|------|
| 1236 | 31 | eSg | ZS | 16 | 00 | 11,5 |
| | | | seg. micrones | | | |
| | | eSg | ZS | 0.6 | 0.02 | |

Muy débil.

| | | | | | | |
|------|----|----|----|------------|----|-----|
| 1237 | 31 | iP | ZS | 16 | 23 | 07. |
| | | | | dilatación | | |
| | | i | ZS | | 23 | 15 |
| | | i | ZS | | 23 | 15 |
| | | iP | ZS | | 23 | 25 |
| | | i | ZS | | 23 | 35 |
| | | i | ZS | | 23 | 37 |

35°8 N - 25°6 E; Ho=16-18-01,7;
 (1.6-36); h=86 Kms.; Mag. 5.1
 (CGS); Creta, Sentido en El Cairo Egipto. (U.S.C.G.S.)

35°8 N - 25°6 E; Ho=16-18-03;
 h=100 Kms. Mar de Creta, Sentido en El Cairo. (B.C.I.S.)

Instituto Geográfico y Catastral

 OBSERVATORIO CENTRAL GEOFISICO
 "ALFONSO REY PASTOR"
 TOLEDO

MOVIMIENTO MICROSIsmICO

MES DE DICIEMBRE 1.964

| Día | N - S | | | | | | | | E - W | | | | | | | | Car | |
|-----|-------|----|----|----|-----|----|-------|----|-------|----|----|----|-----|----|-------|----|-----|---|
| | O | | VI | | XII | | XVIII | | O | | VI | | XII | | XVIII | | | |
| | T | A | T | A | T | A | T | A | T | A | T | A | T | A | T | A | | |
| 1 | 40 | 13 | 35 | 12 | 40 | 13 | 45 | 17 | 3 | 40 | 08 | 40 | 08 | 40 | 07 | 40 | 11 | 3 |
| 2 | 50 | 17 | 50 | 13 | 50 | 13 | 45 | 10 | 2 | 40 | 06 | 50 | 09 | 45 | 07 | 40 | 10 | 2 |
| 3 | 50 | 09 | 50 | 16 | 50 | 13 | 50 | 08 | 2 | 50 | 13 | 45 | 12 | 50 | 06 | 50 | 08 | 2 |
| 4 | 35 | 11 | 50 | 09 | 50 | 07 | 50 | 07 | 3 | 40 | 09 | 50 | 09 | 40 | 07 | 40 | 06 | 3 |
| 5 | 40 | 08 | 40 | 07 | 50 | 16 | 40 | 09 | 3 | 40 | 06 | 50 | 05 | 50 | 09 | 35 | 07 | 3 |
| 6 | 40 | 06 | 40 | 06 | 40 | 06 | 50 | 04 | 3 | 50 | 04 | 35 | 05 | 50 | 03 | 45 | 03 | 3 |
| 7 | 35 | 05 | 40 | 06 | 40 | 05 | 40 | 08 | 3 | 40 | 04 | 40 | 04 | 40 | 04 | 40 | 04 | 3 |
| 8 | 40 | 09 | 50 | 11 | 40 | 08 | 40 | 10 | 3 | 45 | 06 | 40 | 05 | 40 | 04 | 50 | 06 | 3 |
| 9 | 50 | 07 | 40 | 11 | 40 | 08 | 50 | 09 | 3 | 50 | 06 | 50 | 06 | 40 | 05 | 45 | 07 | 3 |
| 10 | 50 | 12 | 60 | 13 | 60 | 11 | 60 | 12 | 3 | 55 | 04 | 50 | 08 | 50 | 09 | 50 | 06 | 3 |
| 11 | 50 | 07 | 50 | 12 | 50 | 08 | 50 | 05 | 3 | 50 | 08 | 50 | 07 | 50 | 08 | 50 | 09 | 3 |
| 12 | 40 | 09 | 50 | 09 | 50 | 12 | 50 | 12 | 2 | 45 | 10 | 45 | 13 | 50 | 06 | 50 | 04 | 2 |
| 13 | 60 | 11 | 55 | 10 | 50 | 12 | 60 | 08 | 2 | 50 | 09 | 50 | 09 | 50 | 04 | 50 | 04 | 2 |
| 14 | 60 | 08 | 50 | 09 | 50 | 17 | 50 | 17 | 2 | 50 | 06 | 50 | 07 | 50 | 13 | 55 | 12 | 2 |
| 15 | 60 | 14 | 60 | 16 | 60 | 14 | 45 | 13 | 2 | 55 | 10 | 60 | 09 | 50 | 08 | 50 | 08 | 2 |
| 16 | 40 | 13 | 50 | 05 | 50 | 06 | 40 | 09 | 3 | 50 | 04 | 45 | 03 | 40 | 05 | 50 | 06 | 3 |
| 17 | 50 | 09 | 50 | 07 | 50 | 09 | 50 | 11 | 3 | 50 | 06 | 50 | 10 | 50 | 07 | 50 | 06 | 3 |
| 18 | 50 | 08 | 35 | 09 | 60 | 10 | 40 | 11 | 3 | 45 | 06 | 40 | 07 | 40 | 06 | 50 | 07 | 3 |
| 19 | 40 | 14 | 40 | 18 | 50 | 16 | 50 | 16 | 3 | 40 | 10 | 40 | 13 | 40 | 11 | 50 | 10 | 3 |
| 20 | 40 | 16 | 50 | 14 | 40 | 11 | 45 | 18 | 3 | 40 | 10 | 50 | 09 | 40 | 08 | 45 | 08 | 3 |
| 21 | 50 | 08 | 40 | 09 | 50 | 08 | 40 | 09 | 3 | 40 | 07 | 40 | 07 | 50 | 06 | 50 | 07 | 3 |
| 22 | 40 | 10 | 40 | 05 | 50 | 09 | 40 | 09 | 3 | 50 | 06 | 45 | 07 | 50 | 06 | 50 | 07 | 3 |
| 23 | 45 | 04 | 45 | 03 | 40 | 10 | 35 | 07 | 3 | 40 | 07 | 50 | 06 | 40 | 06 | 35 | 04 | 3 |
| 24 | 35 | 09 | 40 | 08 | 35 | 08 | 40 | 08 | 3 | 30 | 04 | 35 | 06 | 35 | 07 | 35 | 06 | 3 |
| 25 | 40 | 09 | 40 | 09 | 40 | 08 | 40 | 11 | 3 | 40 | 05 | 35 | 07 | 35 | 06 | 40 | 07 | 3 |
| 26 | 45 | 17 | 50 | 20 | 50 | 24 | 50 | 17 | 3 | 45 | 07 | 50 | 16 | 50 | 13 | 60 | 12 | 3 |
| 27 | 50 | 16 | 50 | 16 | 45 | 17 | 50 | 20 | 2 | 50 | 13 | 50 | 13 | 50 | 09 | 50 | 10 | 2 |
| 28 | 50 | 20 | 50 | 24 | 60 | 20 | 50 | 24 | 2 | 50 | 09 | 50 | 13 | 50 | 13 | 50 | 13 | 2 |
| 29 | 50 | 20 | 55 | 13 | 50 | 16 | 50 | 12 | 3 | 50 | 13 | 50 | 13 | 40 | 10 | 40 | 07 | 3 |
| 30 | 50 | 12 | 50 | 08 | 40 | 10 | 45 | 10 | 1 | 40 | 08 | 40 | 05 | 50 | 09 | 50 | 09 | 1 |
| 31 | 50 | 20 | 60 | 18 | 45 | 25 | 50 | 28 | 1 | 50 | 09 | 50 | 16 | 50 | 16 | 60 | 18 | 1 |

Los números de las columnas T representan décimas de segundo y los números de las columnas A décimas de micron.

 G. Payo
 Director.

 Ana M^a G. Menor.