

Instituto Geográfico y Catastral

OBSERVATORIO CENTRAL GEOFISICO

"ALFONSO REY PASTOR"

DE TOLEDO (ESPAÑA)

Naturaleza del terreno: Mioceno Superior

Coordenadas de la Estación:

L = 39°52'53"N

M = 04°02'55"W

Z = 480,54 m.

BOLETIN SISMOLOGICO

MES DE OCTUBRE DE 1970

Constantes de los Sismógrafos.

| Aparato | Masa Kg | Periodo T ₀ | Rozamiento r | Amplitud V | Amortg° ε |
|-------------|------------|---------------------------|-----------------|---------------|--------------|
| Wiechert ZT | 1200 | 3.17 | 0.119 | 2.360 | 5.48 |
| " NP | 1000 | 10.10 | 0.020 | 736 | 4.23 |
| " ET | 1000 | 10.30 | 0.025 | 938 | 3.54 |
| " NX | 800 | 7.76 | 0.003 | 574 | 5.06 |
| " EX | 800 | 8.58 | 0.003 | 366 | 3.89 |

Equipos Standard

- 1.- Sprengnether (Standard) de período largo (Tp=15s. Tg=100s.)
Sus componentes serán designadas por ZL, NL, EL.
- 2.- Benioff (Standard) de período corto (Tp=1.0s. Tg=0.75s.)
Sus componentes serán designadas por ZS, NS, ES.

| Núm. | Fecha | Fase | Comp. | H | M | S | Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|--|------|------|------|-------|------|--|----|----|------|
| 944 | 1 | 1P | ZS | 22 | 26 | 37.2 | 945 | 1 | | (continuación) | | | |
| | | eS | EL | | 30 | 40 | | | | nas) Región de Corinto (Grecia). (B. C.I.S.) | | | |
| | | Lr | ZL | | 33 | 30 | | | | 38°0N-22°8E; Ho=22-38-35.3(1.4-55) | | | |
| | | 1P | ZS | 1.4 | 0.18 | | | | | h=29Km. Mag:5.0(CGS) Grecia. (U.S. C.G.S.) | | | |
| | | | | 38°0N-22°8E; Ho=22-21-57 Mag:4.3 | | | | | | | | | |
| | | | | (Atenas). Región de Corinto (Grecia) | | | | | | | | | |
| | | | | (B.C.I.S.) | | | | | | | | | |
| | | | | 38°1N-22°8E; Ho=22-21-54.9(0.9-33) | | | | | | | | | |
| | | | | h=24 Km. Mag:4.7(CGS) Grecia. (U.S. C.G.S.) | | | | | | | | | |
| 945 | 1 | 1P | ZS | 22 | 43 | 17.0 | 946 | 2 | eP | ZS | 00 | 34 | 05.0 |
| | | eS | EL | | 47 | 15 | | | e(S) | NL | | 36 | 25 |
| | | Lr | ZL | | 52 | 00 | | | Lr | ZL | | 37 | 30 |
| | | | | seg. micr. | | | | | | | | | |
| | | 1P | ZS | 1.0 | 0.16 | | | | | | | | |
| | | | | 38°0N-22°8E; Ho=22-38-36 M _L =4.5(Ate | | | | | | | | | |
| | | | | (continúa) | | | | | | | | | |
| | | | | 35°1/2N-6°0E; Ho=00-31-48 Sentido fuertemente en Batna, Argelia. (B. C.I.S.) | | | | | | | | | |
| | | | | 35°6N-6°2E; Ho=00-31-48.7(0.6-9) | | | | | | | | | |
| | | | | h=36 Km. Mag:4.5(CGS) Argelia. Sen- | | | | | | | | | |
| | | | | tido en Batna. (U.S.C.G.S.) | | | | | | | | | |
| | | | | | | | 947 | 2 | Lr | ZL | 07 | 30 | 00 |

Archivo Nacional de Datos Geofisicos. IGN. www.ign.es

| Núm. | Fecha | Fase | Comp. | H | M | S' |
|------|-------|-----------------|-------|----|----|----|
| 948 | 2 | eP ₁ | ZL | 10 | 00 | 25 |
| | | eP ₂ | ZL | | 01 | 33 |
| | | ePP | ZL | | 05 | 48 |
| | | i | EL | | 26 | 12 |
| | | Lr | ZL | 11 | 02 | 00 |

28°9S-177°1W; Ho=09-40-21.2(1.0-50)
h=59 Km. Mag:5.5(CGS), 5.8(BRK) Re-
gión Islas Kermadec. (U.S.C.G.S.)

| | | | | | | |
|-----|---|-------|----|----|----|------|
| 949 | 2 | e(Pg) | NS | 12 | 46 | 11.0 |
| | | eSg | NS | | 46 | 33.0 |
| | | i | ZS | | 46 | 50.0 |

| | | | | | | |
|-----|---|----|----|----|----|----|
| 950 | 2 | Lr | ZL | 21 | 03 | 00 |
|-----|---|----|----|----|----|----|

| | | | | | | |
|-----|---|-----|----|--------------|----|------|
| 951 | 3 | eiP | ZS | 00 | 28 | 59.0 |
| | | | | (Dilatación) | | |
| | | Lr | ZL | 01 | 03 | 00 |
| | | | | seg. micr. | | |
| | | eiP | ZS | 1.5 | | 0.15 |

55°2N-163°2E; Ho=00-16-25.9(0.8-60)
h=31 Km. Mag:5.2(CGS) Fuera de la
Costa de Kamchatka. (U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|----|--------------|----|------|
| 952 | 3 | eiP | ZS | 02 | 55 | 22.5 |
| | | | | (Compresión) | | |

34°1N-47°3E; Ho=02-47-40.6(1.4-13)
h=24 Km. Mag:4.5(CGS) W. del Irán.
Sentido en Kermanshah. (U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|----|------------|----|------|
| 953 | 3 | eiP | ZS | 08 | 24 | 21.0 |
| | | | | Compresión | | |
| | | Lr | ZL | | 56 | 00 |

58°4N-150°5W; Ho=08-12-20.8(0.8-52)
h=25 Km. Mag:4.7-5.0(CGS), 4.8(BRK),
5.1ML(CGS) Golfo de Alaska. (U.S.C.
G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 954 | 3 | Lr | ZL | 11 | 42 | 00 |
|-----|---|----|----|----|----|----|

| | | | | | | |
|-----|---|-----|----|------------|----|------|
| 955 | 3 | eiP | ZS | 14 | 28 | 27.0 |
| | | | | Dilatación | | |
| | | eS | EL | | 38 | 06 |
| | | Lr | ZL | 15 | 03 | 00 |

6°4N-77°5W; Ho=14-16-55.3(1.0-67)
h=25 Km. Mag:5.1-5.2(CGS) Cerca de
la Costa Oeste de Colombia. Sentido
en Nuqui. (U.S.C.G.S.)

| | | | | | | |
|-----|---|-----|----|------------|----|------|
| 956 | 4 | ePn | ZS | 03 | 51 | 39.0 |
| | | iPg | NS | | 51 | 56.5 |
| | | iSn | NS | | 52 | 16.5 |
| | | iS+ | NS | | 52 | 29.0 |
| | | iSg | NS | | 52 | 39.5 |
| | | | | seg. micr. | | |
| | | iPg | NS | 0.8 | | 0.06 |
| | | iSg | NS | 0.7 | | 0.40 |

D=3°30=367 Km.

(continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|---|---|----------------|
| 956 | 4 | | | | | (Continuación) |

36°1N-5°0W; Ho=03-50-42 Mar de Al-
borán. (B.C.I.S.)

36°5N-4°9W; Ho=03-50-46.3(0.7-6)
h=33 Km. Mag:3.7(CGS) Estrecho de
Gibraltar. (U.S.C.G.S.)

36°4N-4°7W; Ho=03-50-46.4 h=N m=3.5
Km. Mar de Alborán. Sentido débil
en Málaga. (L.C.S.S. Madrid)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 957 | 4 | Lr | ZL | 18 | 28 | 50 |
|-----|---|----|----|----|----|----|

| | | | | | | |
|-----|---|-------|----|----|----|------|
| 958 | 5 | e | NS | 10 | 27 | 47.0 |
| | | ePg | NS | | 28 | 00.5 |
| | | e(Sn) | NS | | 28 | 44.0 |
| | | eSg | NS | | 29 | 07.0 |

34°6N-4°0W; Ho=10-26-27 Marruecos
Septentrional. (B.C.I.S.)

34°5N-4°1W; Ho=10-26-28.6(1.1-5)
h=33 Km. Mag:4.0(CGS) Marruecos.
(U.S.C.G.S.)

34°7N-3°8W; Ho=10-26-21 h=N Nor-
te de Marruecos. Sentido grado V
en Taineste. (L.C.S.S. Madrid)

| | | | | | | |
|-----|---|------|----|----|----|------|
| 959 | 5 | e(P) | ZS | 12 | 16 | 44.0 |
| | | Lr | ZL | | 33 | 30 |

| | | | | | | |
|-----|---|----|----|------------|----|------|
| 960 | 5 | iP | ZS | 22 | 22 | 36.0 |
| | | | | Compresión | | |
| | | Lr | ZL | 23 | 23 | 00 |
| | | | | seg. micr. | | |
| | | iP | ZS | 1.2 | | 0.11 |

9°3S-79°0W; Ho=22-10-07.1(0.9-26)
h=62 Km. Mag:4.9(CGS) Fuera de la
Costa Noste del Perú. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|----|
| 961 | 5 | eP | ZL | 23 | 28 | 01 |
|-----|---|----|----|----|----|----|

43°9N-16°1E; Ho=23-24-21 Sentido
VI-VII en Knin Mag_{LgH}=4.3 (Bensberg)
Alpes Dináricos, Yugoslavia. (B.C.
I.S.)

44°0N-15°8E; Ho=23-24-23.0(1.3-18)
h=49Km. Mag:5.0(CGS) Yugoslavia, da-
ños en Knin. (U.S.C.G.S.)

| | | | | | | |
|-----|---|----|----|----|----|------|
| 962 | 6 | eP | ZS | 15 | 49 | 45.0 |
|-----|---|----|----|----|----|------|

| | | | | | | |
|-----|---|-----|----|----|----|------|
| 963 | 6 | ePg | ZS | 17 | 33 | 11.0 |
|-----|---|-----|----|----|----|------|

| | | | | | | |
|-----|---|----|----|------------|----|------|
| 964 | 6 | iP | ZS | 21 | 36 | 52.4 |
| | | | | Compresión | | |
| | | eS | NL | | 46 | 28 |
| | | Lr | ZL | 22 | 03 | 00 |
| | | | | seg. micr. | | |
| | | iP | ZS | 1.4 | | 0.12 |

(continúa)

Núm. Fecha Fase Comp. H M S
 964 6 (continuación)
 6°2N-77°6W; Ho=21-25-21 (1.1-51)
 h=33 Km. Mag:5.2(CGS) N.W. de la
 Costa de Colombia. Sentido en Anib-
 da Arfa. (U.S.C.G.S.)

965 6 iP ZS 22 16 05.0
 Dilatación
 seg. micr.
 iP ZS 1.0 0.06

38°8N-72°0E; Ho=22-06-15 Pamir. (B.C.I.S.)

39°1N-71°6E; Ho=22-06-26.8(0.9-52)
 h=68 Km. Mag:5.2(CGS) Tadzhik URSS.
 (U.S.C.G.S.)

966 7 Lr ZL 00 28 00
 41°5N-142°1E; Ho=23-35-28.6(1.0-56)
 h=71D Km. Mag:5.0(CGS) Región de Ho
 kkaido, Japón. Sentido en Urakawa y
 Hachinoche. (U.S.C.G.S.)

967 8 iP ZS 05 05 59.0
 Dilatación
 eS NL 16 46
 Lr ZL 39 30
 seg. micr.
 iP ZS 1.3 0.44

53°8N-160°4E; Ho=04-53-21.8(0.8-110)
 h=53 Km. Mag:5.6(CGS), 5 1/4(BRK)
 Cerca de la Costa de Kamchatka. (U.S.C.G.S.)

968 8 iP ZS 23 49 25.0
 Dilatación
 eS EL 00 00 47
 eSS NL 07 40
 eSSS NL 10 40
 Lq EL 16 00
 r ZL 20 30
 seg. micr.
 iP ZS 1.3 0.11

43°8N-147°4E; Ho=23-36-09.7(0.8-110)
 h=15 Km. Mag:5.6-5.8(CGS), 5 1/4
 (BRK) Islas Kuriles. Sentido en Ho-
 kkaido, Japón. (U.S.C.G.S.)

969 9 e(Pn) ZS 00 28 36.0
 e NS 29 24.0
 e(Sn) NS 29 53.5

36°4N-2°3E; Ho=00-27-07 Argelia. (B.C.I.S.)

36°3N-2°3E; Ho=00-27-07 (1.0-9) h=N
 Mag: 4.0 (CGS) Argelia. Sentido en
 Alger, Cherchel y Medea. (U.S.C.G.S.)

36°5N-2°1E; Ho=00-27-07 h=N m=5.0
 (continúa)

Núm. Fecha Fase Comp. H M S
 969 9 (continuación)
 Norte de Argelia. Sentido en Alger
 Cherchel, Medea. (L.C.S.S. Madrid)

970 9 iP ZS 01 28 22.0
 Compresión
 seg. micr.
 iP ZS 1.0 0.08

38°99N-71°64E; Ho=01-18-44.1(1.0-51)
 h=81 Km. Mag:5.1(CGS) Tadzhik SSR.
 (U.S.C.G.S.)

38°9N-71°6E; Ho=01-18-51 h=150±30
 Km. Pamir. (B.C.I.S.)

971 9 eP ZS 07 37 14.0
 Lq NL 41 30
 Lr ZL 42 40

35°0N-13°7E; Ho=07-33-39.2(1.4-21)
 h=33 Km. Mag:4.3(CGS) Mar Mediter-
 raneo, 120 Km. al S.W. de Malta y
 se considera como el primer Sismo
 computado para esta región. (U.S.C.G.S.)

972 9 iP ZS 13 58 33.0
 Dilatación
 seg. micr.
 iP ZS 1.0 0.09

39°1N-71°7E; Ho=13-48-52.6(1.0-43)
 h=46 Km. Mag:5.2(CGS) Tadzhik URSS.
 (U.S.C.G.S.)

39°0N-72°0E; Ho=13-48-44 Pamir.
 (B.C.I.S.)

973 10 eP ZS 09 06 26.0
 ePP ZL 10 08
 iSKS EL 16 42
 iS NL 17 16
 ePS ZL 18 28
 iSS NL 23 22
 Lq NL 28 00

D=90°5=10.055 Km.

3°6S-86°2E; Ho=08-53-04.8(1.0-104)
 h=33 Km. Mag:5.9-6.3(CGS), 6.2(Pas)
 Sur del Océano Indico. (U.S.C.G.S.)

974 10 eP ZS 13 52 49.5
 eS NL 56 14
 Lr ZL 52 30

38°0N-19°9E; Ho=13-48-23.5(1.6-12)
 h=19 Km. Mag: 4.6(CGS) Mar Jónico,
 (U.S.C.G.S.)

975 10 Lr ZL 15 29 30

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|-----------------|-------|----|----|------|
| 976 | 10 | eP ₁ | ZS | 22 | 19 | 50.0 |
| | | e | ZS | | 20 | 10.0 |
| | | eP ₂ | ZS | | 21 | 07.0 |
| | | e | ZS | | 25 | 02.0 |
| | | iPP | ZL | | 25 | 33 |
| | | e(SKS) | ZL | | 27 | 36 |
| | | ePPP | ZL | | 29 | 15 |
| | | eSKKS | NL | | 31 | 42 |
| | | i | NL | | 33 | 12 |
| | | eSKSP | NL | | 36 | 12 |
| | | ePPS | NL | | 39 | 24 |
| | | iSS | EL | | 46 | 07 |
| | | eSSS | NL | | 53 | 20 |
| | | i | EL | 23 | 01 | 36 |
| | | Lq | EL | | 15 | 30 |
| | | Lr | ZL | | 22 | 00 |

31°9N-177°9W; Ho=21-59-42.9(1.2-78)
h=33 Km. Mag:5.9-6.2(CGS), 6.2(Pas)
6.3(BRK), 6 1/4-6 1/2(Gol) Región
Islas Kermadec. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-----------------|----|----|----|------|
| 977 | 11 | eP ₁ | ZS | 03 | 36 | 58.0 |
| | | e | ZS | | 37 | 47.0 |
| | | eP ₂ | ZS | | 38 | 14.0 |
| | | iPP | ZL | | 42 | 57 |
| | | e(SKS) | ZL | | 44 | 36 |
| | | eSKKS | NL | | 48 | 37 |
| | | eSKSP | NL | | 52 | 42 |
| | | iSS | EL | 04 | 03 | 14 |
| | | iSSP | NL | | 04 | 27 |
| | | eSSS | EL | | 09 | 22 |
| | | i(G) | EL | | 18 | 26 |
| | | Lq | NL | | 25 | 10 |
| | | Lr(HM) | ZL | | 35 | 00 |

31°8S-178°1W; Ho=03-16-49.6(1.2-63)
h=33 Km. Mag:5.6-6.3(CGS), 6.4(Pas)
6.6(BRK) Región Islas Kermadec. (U.
S.C.G.S.)

| | | | | | | |
|-----|----|--------------------|----|----|----|------|
| 978 | 11 | e | ZS | 05 | 58 | 16.0 |
| | | e(P ₂) | ZS | | 59 | 32.0 |
| | | i(SS) | EL | 06 | 24 | 30 |

32°1S-177°8W; Ho=05-38-06(1.3-58)
h=32 Km. Mag:5.6-6.1(CGS), 5.9(BRK)
Sur de las Islas Kermadec. (U.S.C.
G.S.)

| | | | | | | |
|-----|----|--------------------|----|------|-------|------|
| 979 | 11 | Lr | ZL | 11 | 36 | 30 |
| 980 | 12 | e(Pg) | ZS | 02 | 27 | 39.0 |
| | | i(Sg) | NS | | 28 | 14.5 |
| | | | | seg. | micr. | |
| | | i(Sg) | NS | 0.7 | 0.03 | |
| 981 | 12 | eP ₁ | ZS | 07 | 20 | 25.0 |
| | | e(P ₂) | ZS | | 21 | 24.0 |
| | | Lr | ZL | 08 | 32 | 00 |

(continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|---|---|---|
| 981 | 12 | | | | | (continuación) |
| | | | | | | 32°0S-178°0W; Ho=06-59-58.3(1.1-31) h=72 Km. Mag:5.1-5.2(CGS) Sur de las Islas Kermadec. (U.S.C.G.S.) |

| | | | | | | |
|-----|----|-----|----|----|----|--|
| 982 | 12 | Lr | ZL | 13 | 15 | 30 |
| 983 | 12 | ePn | ZS | 19 | 45 | 35.0 |
| | | iSg | NS | | 46 | 51.0 |
| 984 | 12 | eP | ZS | 20 | 18 | 08.0 |
| | | Lr | ZL | | 51 | 30 |
| | | | | | | 30°1N-113°4W; Ho=20-05-34.5(1.1-31) h=33 Km. Mag:5.2(CGS) Golfo de Cali fornia. (U.S.C.G.S.) |

| | | | | | | |
|-----|----|----|----|----|----|------|
| 985 | 13 | eP | ZS | 04 | 52 | 21.5 |
| | | Lr | ZL | 05 | 29 | 30 |

23°7S-70°5W; Ho=04-39-28.4(1.0-43)
h=25G Km. Mag:5.1-5.2(CGS) Cerca y
al Norte de la Costa de Chile. Sen-
tido en Antofagasta. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-------|----|------|-------|------|
| 986 | 13 | Lr | ZL | 09 | 44 | 30 |
| 987 | 13 | i(Pg) | NS | 16 | 49 | 43.5 |
| | | iSg | NS | | 50 | 03.5 |
| | | | | seg. | micr. | |
| | | iSg | NS | 0.6 | 0.05 | |

| | | | | | | |
|-----|----|-------|----|----|----|----|
| 988 | 13 | eP'' | ZL | 19 | 12 | 36 |
| | | epP'' | ZL | | 13 | 10 |
| | | ePP | ZL | | 15 | 09 |
| | | e | ZL | | 18 | 42 |
| | | Lr | ZL | | 57 | 30 |

4°1S-143°0; Ho=18-53-30.0(1.0-76)
h=120 Km. Mag:5.7(CGS) Nueva Guinea
Sentido en Goroka y Wabaga. (U.S.C.
G.S.)

| | | | | | | |
|-----|----|-----|--------|------------|-------|------|
| 989 | 14 | iP | ZS, ZL | 06 | 08 | 04.0 |
| | | | | Compresión | | |
| | | iPP | ZS, ZL | | 09 | 43.5 |
| | | i | NL | | 11 | 00 |
| | | eS | NL | | 14 | 36 |
| | | i | EL | | 20 | 42 |
| | | Lr | EL | | 21 | 30 |
| | | M | ZL | | 31 | 00 |
| | | | | seg. | micr. | |
| | | iP | ZS | 0.8 | 0.02 | |
| | | M | ZL | 14.0 | 10.4 | |

D=40°=4.450 Km.

73°5-55°0E; Ho=06-00-00, Mpv=7.3
(Bensberg), m=6.7(Uppsala) Nueva
Zembla (Artificial). (B.C.I.S.)

73°3N-55°1E; Ho=05-59-57.1(1.0-157)
h=0 Km. Mag:5.1-6.7(CGS), 7.3(Pas),
6.9(BRK) Nueva Zembla. (U.S.C.G.S.)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----|----|------|
| 990 | 14 | eP | ZS | 08 | 02 | 43.8 |
| | | e | ZL | | 07 | 12 |
| | | Lr | ZL | | 12 | 00 |

| | | | | | | |
|-----|----|----|----|----|----|----|
| 991 | 14 | Lr | ZL | 10 | 39 | 00 |
|-----|----|----|----|----|----|----|

| | | | | | | |
|-----|----|-----------------|----|-----------------------|----|------|
| 992 | 14 | eP ₁ | ZS | 10 | 59 | 47.0 |
| | | iP ₂ | ZS | 11 | 00 | 23.5 |
| | | | | Dilatación seg. micr. | | |
| | | iP ₂ | ZS | 1.2 | | 0.09 |

18°15'-178°5'W; Ho=10-40-58.0(0.9-87)
h=609 Km. Mag:5.3(CGS) Región Islas Fiji. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|-----------------------|----|------|
| 993 | 14 | iP | ZS | 14 | 42 | 18.0 |
| | | | | Dilatación seg. micr. | | |
| | | iP | ZS | 1.3 | | 0.11 |

37°1'N-116°0'W; Ho=14-30-00.0(161)
h=0 Km. Mag:5.5(CGS), 5.2(Pas), 5.3(BRK) Sur de Nevada. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|------|
| 994 | 14 | eP | ZS | 16 | 13 | 46.0 |
| | | Lr | ZL | | 54 | 00 |

43°4'N-148°0'E; Ho=16-00-34.1(1.1-80)
h=42 Km. Mag:5.2(CGS) Región Islas Kuriles. (U.S.C.G.S.)

| | | | | | | |
|-----|----|------|----|------------|----|-------|
| 995 | 14 | iP | ZS | 18 | 28 | 50.0 |
| | | | | Dilatación | | |
| | | iPP | ZL | 32 | 32 | |
| | | ePPP | ZL | 34 | 34 | |
| | | iSKS | NL | 39 | 32 | |
| | | iS | EL | 39 | 59 | |
| | | iPS | NL | 41 | 16 | |
| | | ePPS | ZL | 42 | 20 | |
| | | iSS | NL | 46 | 44 | |
| | | iSSS | NL | 50 | 14 | |
| | | Lq | NL | 58 | 00 | |
| | | Lr | ZL | 19 | 03 | 00 |
| | | M | ZL | | 17 | 00 |
| | | | | seg. micr. | | |
| | | iP | ZS | 1.5 | | 0.06 |
| | | M | ZL | 16.8 | | 23.41 |

D=95°=10.555 Km.

43°5'N-148°0'E; Ho=18-15-37.3(1.2-131)
h=30 Km. Mag:5.5-6.0(CGS), 6.0(Pas) Islas Kuriles, sentido en Hokkaido. (U.S.C.G.S.)

| | | | | | | |
|-----|----|-------|----|------------|----|------|
| 996 | 14 | iP | ZS | 21 | 27 | 11.3 |
| | | | | Dilatación | | |
| | | iPP | ZL | 31 | 12 | |
| | | ePPP | ZL | 33 | 06 | |
| | | iSKS | NL | 38 | 06 | |
| | | iS | EL | 38 | 36 | |
| | | iPS | NL | 39 | 46 | |
| | | e(SS) | NL | 45 | 32 | |
| | | iSSS | NL | 49 | 12 | |

(continúa)

| Núm. | Fecha | Fase | Comp. | H | M | S |
|------|-------|------|-------|----------------|----|------|
| 996 | 14 | | | (continuación) | | |
| | | Lq | EL | 21 | 54 | 00 |
| | | Lr | ZL | 22 | 01 | 00 |
| | | | | seg. micr. | | |
| | | iP | ZS | 1.0 | | 0.04 |

D=99°=11.000 Km.

43°5'N-147°0'E; Ho=21-14-00.9(1.0-127)
h=41 Km. Mag:5.4-5.6(CGS) Islas Kuriles. Sentido en Nemuro, Japón. (U.S.C.G.S.)

| | | | | | | |
|-----|----|----|----|----|----|----|
| 997 | 15 | Lr | ZL | 02 | 44 | 30 |
|-----|----|----|----|----|----|----|

| | | | | | | |
|-----|----|----|----|----|----|------|
| 998 | 15 | eP | ZS | 04 | 05 | 21.0 |
| | | Lq | NL | | 27 | 00 |

39°8'N-77°2'E; Ho=03-55-16.1(1.0-45)
h=N Mag:4.9(CGS) Sur de la Provincia China de Sinkiang. (U.S.C.G.S.)

| | | | | | | |
|-----|----|------|----|------------|----|------|
| 999 | 16 | iP | ZS | 05 | 39 | 34.9 |
| | | | | Dilatación | | |
| | | iPP | ZL | 43 | 24 | |
| | | iPPP | ZL | 44 | 31 | |
| | | iS | NL | 50 | 11 | |
| | | iPPS | ZL | 52 | 14 | |
| | | iSS | NL | 57 | 39 | |
| | | iSSS | NL | 06 | 00 | 44 |
| | | Lq | NL | | 09 | 00 |
| | | Lr | ZL | | 14 | 00 |

seg. micr.
1.2 0.06

D=92°=10.220 Km.

39°3'N-140°7'E; Ho=05-26-13.3(1.0-210)
h=24 Km. Mag:5.8-5.9(CGS), 6.0(Pas) 5.8(BRK) Honshu, Japón. Ligeros daños en Yuda. Sentido en Hokkaido y en una amplia área en Japón. (U.S.C.G.S.)

| | | | | | | |
|------|----|-------|----|----|----|------|
| 1000 | 16 | ie(P) | ZS | 16 | 40 | 11.3 |
|------|----|-------|----|----|----|------|

| | | | | | | |
|------|----|----|----|----|----|----|
| 1001 | 16 | Lr | ZL | 21 | 33 | 30 |
|------|----|----|----|----|----|----|

| | | | | | | |
|------|----|----|----|----|----|----|
| 1002 | 17 | Lr | ZL | 04 | 13 | 16 |
|------|----|----|----|----|----|----|

| | | | | | | |
|------|----|----|----|----|----|----|
| 1003 | 18 | Lr | ZL | 21 | 47 | 00 |
|------|----|----|----|----|----|----|

| | | | | | | |
|------|----|----|----|----|----|----|
| 1004 | 19 | Lr | ZL | 09 | 03 | 30 |
|------|----|----|----|----|----|----|

| | | | | | | |
|------|----|----|----|------------|----|------|
| 1005 | 21 | iP | ZS | 15 | 58 | 12.0 |
| | | | | Dilatación | | |

| | | | | | | |
|--|--|------|----|----|----|----|
| | | ePP | ZL | 59 | 52 | |
| | | iPPP | ZL | 16 | 00 | 32 |
| | | iS | EL | 04 | 48 | |
| | | eSS | EL | 08 | 15 | |
| | | Lq | NL | 09 | 00 | |
| | | Lr | ZL | 10 | 00 | |
| | | M | ZL | | 12 | 00 |

seg. micr.
1.2 0.12

(continúa)

Núm. Fecha Fase Comp. H M S
 1005 21 (continuación)
 M ZL seg. micr.
 20.0 8.92
 D=45°2=5.020 Km.

7°7N-37°6W; Ho=15-50-05.5(1.0-108)
 h=33 Km. Mag:5.3-5.5(CGS) Cresta
 del Atlántico Medio. (U.S.C.G.S.)

1006 22 Lr ZL 07 06 30
 1007 23 Lr ZL 11 58 00
 1008 25 eP ZS 11 29 39.0
 e ZL 38 30
 Lr ZL 41 30

36°7N-45°2E; Ho=11-22-21 M_L=4.6
 (Pruhonica) Irán Occidental, al SW.
 de Tabriz. (B.C.I.S.)

1009 25 eP ZS 12 13 08.0
 ePP ZL 16 52
 iS NL 23 33
 iPS ZL 24 27
 eSS EL 29 05
 iSSS EL 32 45
 Lq NL 35 30
 Lr ZL 37 00

D=85°=9.445 Km.
 13°7S-66°3E; Ho=12-00-35.3(1.0-86)
 h=24 Km. Mag:5.8-5.9(CGS) Cresta
 del Indico Medio. (U.S.C.G.S.)

1010 25 eP ZS 15 22 51.0
 iPP ZL 26 31
 iSKS EL 33 20
 iS NL 33 41
 iPS ZL 34 41
 iPPS NL 36 14
 iSS EL 39 49
 G NL 46 52
 Lq NL 48 20
 Lr ZL 52 00

D=92°=10.220 Km.
 9°0N-93°9E; Ho=15-09-49.4(1.3-98)
 h=33 Km. Mag:5.5-6.3(CGS) Región Is
 las Nicobar. (U.S.C.G.S.)

1011 26 Lr ZL 13 46 00
 6°7N-82°5W; Ho=13-10-13.2(1.6-35)
 h=N;Mag:4.8(CGS) Sur de Panamá. (U.
 S.C.G.S.)

1012 26 ePn ZS 18 24 21.6
 iPg ZS 24 37.1
 e ZS 25 05.1
 iSn NS 25 26.6
 seg. micr.
 iSn NS 0.7 0.04

D=3°80=423 Km.
 (continúa)

Núm. Fecha Fase Comp. H M S
 1012 26 (continuación)
 36°2N-10°1W; Ho=18-22-50 Zona sísmica
 Trasatlántica. Al SW. de Portu
 gal. (B.C.I.S.)

36°3N-9°9W; Ho=18-22-50 h=N m-(4.4)
 Océano Atlántico. Réplica del I.-
 28 de Febrero de 1969. (L.C.S.S. Ma
 drid)

1013 26 iP ZS 21 01 07.0
 Compresión
 i ZL 01 09
 Dilatación
 iPP ZL 03 46
 iS EL 07 18
 Lq EL 10 00
 Lr ZL 12 00
 seg. micr.
 iP ZS 1.5 0.26

D=42°=4.670 Km.
 79°8N-2°4E; Ho=20-53-27 Mag:5.8
 (Strs), 5.6(Upp), 5.6(Tirana), 5.6
 (Moxa, Wien), 5.5(Collm, Pruh.) M_{pv}=
 5.4(Moxa), M_{LH}=5.1(Moxa) Cresta del
 Atlántico N. Al W. de Spitzberg.
 (B.C.I.S.)

79°8N-2°7E; Ho=20-53-32.4(0.9-123)
 h=32 Km. Mag:5.6-5.7(CGS), 6 1/4(BRK)
 Mar de Groelandia. (U.S.C.G.S.)

1014 28 Lr ZL 23 22 00
 1015 29 iP ZS 01 10 16.5
 Compresión
 Lr ZL 40 30
 seg. micr.
 iP ZS 1.2 0.12

54°2N-164°6W; Ho=00-57-42.8(1.0-124)
 h=27 Km. Mag:5.3(CGS) Región Islas
 Unimak. (U.S.C.G.S.)

1016 29 e ZL 02 52 10
 Lr ZL 03 14 00
 40°9S-80°5E; Ho=02-23-24.7(1.2-34)
 h=N Mag:5.9-5.9(CGS) Cresta del In-
 dico Medio. (U.S.C.G.S.)

1017 29 eP ZS 03 00 18.0
 Dilatación
 50°8N-29°5W; Ho=02-55-36.8(1.3-11)
 h=33 Km. Mag:4.5(CGS) Cresta Atlán-
 tico Norte. (U.S.C.G.S.)

1018 29 iP ZS 09 23 22.0
 Compresión
 eS EL 34 06
 Lr ZL 53 00
 seg. micr.
 iP ZS 1.8 0.01
 (continúa)

Archivo Nacional de Datos Geofísicos. IGN. www.ign.es

| Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|-------|----------------|-----|------|------|
| 1018 | 29 | | (continuación) | | | |
| D=89°=9.890 Km. | | | | | | |
| 15°5S-67°2E; Ho=09-10-44 (1.2-43) h=33 Km. Mag:5.4 (CGS) Cresta del <u>In</u> dico Medio. (U.S.C.G.S.) | | | | | | |
| 1019 | 29 | Lr | ZL | 20 | 27 | 00 |
| 1020 | 30 | iP | ZS | 09 | 31 | 30.0 |
| | | Lr | ZL | 10 | 04 | 00 |
| | | iP | ZS | 1.3 | 0.14 | |
| 9°5S-75°6W; Ho=09-19-08.1 (0.9-42) h=190 Km. Mag:4.8 (CGS) Perú. (U.S. C.G.S.) | | | | | | |
| 1021 | 30 | e(Pg) | ZS | 11 | 17 | 19.7 |
| | | iSg | NS | | 18 | 01.3 |
| | | iSg | NS | 1.0 | 0.08 | |
| 1022 | 31 | Lr | ZL | 11 | 40 | 00 |
| 1023 | 31 | eiP | ZS | 16 | 11 | 54.0 |
| 42°1N-19°3E; Ho=16-07-39 $M_{LH}=4.8$ $M_{LV}=4.4$ (Wien), 4.6 (Titograd), 4.5 (Atenas) Sur de Montenegro (Yugosla via). (B.C.I.S.) | | | | | | |

7.

| Núm. | Fecha | Fase | Comp. | H | M | S |
|--|-------|--------|-------|------|------|--------|
| 1024 | 31 | ePdif. | ZL | 18 | 09 | 45 |
| | | iP'' | ZL | | 12 | 31 |
| Compresión | | | | | | |
| | | iPP | ZL | | 15 | 06 |
| | | iPKS | ZL | | 16 | 05 |
| | | iPPP | ZL | | 18 | 08 |
| | | iSKS | EL | | 21 | 45 |
| | | iSKKS | EL | | 25 | 17 |
| | | iPS | ZL | | 25 | 43 |
| | | iPPS | ZL | | 26 | 10 |
| | | iSS | EL | | 33 | 23 |
| | | i | EL | | 36 | 48 |
| | | iSSS | NL | | 38 | 43 |
| | | Lq | NL | | 49 | 00 |
| | | Lr | ZL | | 54 | 00 |
| | | M | EL | | 55 | 00 |
| | | | | | seg. | micr. |
| | | iP'' | ZL | 12.0 | | 2.76 |
| | | M | EL | 50.0 | | 172.61 |
| D=134°=14.890 Km. | | | | | | |
| 4°9S-145°5E; Ho=17-53-09.3 (1.2-100) h=42 Km. Mag:6.0-7.0 (CGS) Cerca de la Costa Norte de Nueva Guinea; al menos 5 muertos y considerables da- ños en Mandang. Sentido en toda Nue va Guinea. (U.S.C.G.S.) | | | | | | |

Ana M^a Gomez-Menor

V^o B^o
GONZALO PAYO