

22 Sept 1947



Observatorio de Cartuja
Granada

Boletín sísmico provisional. - Enero 1946

Agitación microsísmica.
Diciembre 1945

| Fechas | D í a | | N o c h e. | |
|--------|-------|----------|------------|------|
| | T(s) | A(micr.) | T(s) | A(m) |
| 1-5 | 3-5 | 1 | 3-5 | 1 |
| 6-7 | " | 1-2 | " | 1-2 |
| 8 | " | 1 | " | " |
| 9 | " | 2-3 | " | 4-5 |
| 10 | " | 1-2 | " | 1 |
| 11-15 | " | 1 | " | " |
| 16-18 | " | 1-2 | " | 1-2 |
| 19 | " | 2-3 | " | 2-3 |
| 20 | " | " | 4-6 | 3-4 |
| 21 | 4-6 | 3-4 | " | 2-3 |
| 22 | " | 1-2 | " | 1-2 |
| 23-25 | " | 2-3 | " | 2-3 |
| 26 | 3-5 | " | 3-5 | 1-2 |
| 27 | " | 1 | " | 1 |
| 28-29 | " | 1-2 | " | 1-2 |
| 30-31 | " | 1 | " | 1 |

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Enero 1946.

| Nº | Día | Fase | h. | m. | s. | T. |
|----|-----|-------------------|----|------|----|----|
| 1 | 5 | IPKP ₁ | 20 | 17 | 29 | 3 |
| | | PKP ₂ | | 18 | 3 | " |
| | | pPKF ₁ | | | 15 | " |
| | | IPF | | 21 | 26 | " |
| | | pPF | 21 | 45 | | 4 |
| | | SKP | 24 | 14 | | 3 |
| | | PPP | 25 | 9 | | 6 |
| | | SKKS | 28 | 3 | | 16 |
| | | SKSP | 31 | 44 | | 18 |
| | | SS | 41 | 13 | | " |
| | | SSS | 47 | 28 | | " |
| | | G | 21 | 3,7 | | 36 |
| | | L | | 14,8 | | 30 |
| | | M | | 18 | 15 | 24 |
| | | F | | 23,1 | | |

D=163°=18.100 kms
h=100 kms.

Nº Día Fase h. m. s. T.
3 7 F 8,4
(Dudoso. - Probable réplica del nº 1.)

| | | | | | | |
|---|---|-----|---|------|----|------|
| 4 | 9 | e | 4 | 56 | 51 | ráp. |
| | | 1 | | 57 | 10 | 2 |
| | | " | | | 26 | 3 |
| | | (S) | | | 43 | 5 |
| | | F | | 59,8 | | |

Próximo.

| | | | | | | | |
|---|----|-----|---|-----|----|---|----|
| 5 | 11 | IPz | 1 | 45 | 23 | e | 3 |
| | | ICP | | | 55 | | " |
| | | IPp | | 47 | 29 | | 4 |
| | | FP | | 48 | 38 | | " |
| | | SP | | 49 | 1 | | 3 |
| | | pPF | | | 51 | | " |
| | | eFP | | 51 | 41 | | 4 |
| | | IS | | 54 | 50 | | 5 |
| | | SoS | | 55 | 30 | | " |
| | | PS | | 56 | 54 | | 7 |
| | | SS | | 57 | 54 | | 9 |
| | | eSS | 2 | 1 | 25 | | 20 |
| | | L | | 6,3 | | | 35 |
| | | M | | 15 | 56 | | 19 |

D=82°=9.100 kms.
(h=400 kms.)

| | | | | | | | |
|---|----|-----|----|------|----|---|----|
| 6 | 12 | IPz | 20 | 37 | 50 | e | 3 |
| | | pP | | 38 | 11 | | " |
| | | IP | | 40 | 56 | | " |
| | | SoS | | 47 | 45 | | 11 |
| | | IS | | | 53 | | 12 |
| | | PS | | 48 | 10 | | " |
| | | PPS | | | 43 | | " |
| | | SSS | | 58 | 14 | | 15 |
| | | L | 21 | 9,6 | | | 33 |
| | | M | | 11 | 24 | | 26 |
| | | F | | 23,8 | | | |

D=82°=9.100 kms.

| | | | | | | |
|---|---|----|----------|------|----|------|
| 2 | 6 | Pg | 17 | 46 | 33 | ráp. |
| | | CS | | | 34 | 1 |
| | | F | | 46,8 | | |
| | | | D=5 kms. | h=0 | | |

| | | | | | | |
|---|---|------|---|------|----|----|
| 3 | 7 | FP | 6 | 32 | 51 | 6 |
| | | SKKS | | 40 | 39 | 16 |
| | | SKSP | | 43 | 48 | " |
| | | SS | | 49 | 33 | " |
| | | eL | | 33,5 | | 24 |
| | | M | | 39 | 15 | 18 |

| | | | | | | |
|---|----|-----|----|------|----|-----------|
| 7 | 25 | IP | 17 | 34 | 49 | 2 |
| | | P5 | | 37 | 52 | 3 |
| | | IS3 | | 38 | 19 | " |
| | | S5 | | | 53 | " |
| | | M | | 40 | 8 | 6 |
| | | F | | 18,8 | | h=60 kms. |

D=11°=1.220 kms
(Violento en Suiza. - Prensa)

| Nº | Día | Fase | h. | m. | s. | T. |
|----|-----|------|------|------|----|-----|
| 20 | 19 | (P) | 18 | 57 | 2 | d 3 |
| | | i | | 59 | 15 | " |
| | | IM | 19 | 35,6 | | 30 |
| | | F | 20,0 | | | |

(¿Preliminar del siguiente?)

| | | | | | | |
|----|----|------|---|------|----|-----|
| 21 | 20 | 1FKP | 4 | 0 | 57 | d 3 |
| | | PP | | 1 | 24 | " |
| | | pPKP | | 2 | 14 | " |
| | | SKS | | 7 | 11 | 8 |
| | | PS | | 10 | 30 | 13 |
| | | (SS) | | 15 | 16 | 15 |
| | | L | | 35,9 | | 39 |
| | | M | | 41 | 52 | 16 |
| | | F | | 5,8 | | |

(D=102°=11.330 kms;
h=200 kms.)

| | | | | | | |
|----|----|-----|----|------|------|----|
| 22 | 21 | eP | 15 | 49 | 1 | 3 |
| | | PP | | | 52 | " |
| | | S | | 54 | 8 | 9 |
| | | PcS | | 55 | 16 | 10 |
| | | L | | 57,6 | | 21 |
| | | M | | 16 | 3 10 | 15 |
| | | F | | 16,2 | | |

(OL débiles; faltó el fluido eléctrico para los fotográficos)
(D=33°=3.670 kms.)

| | | | | | | |
|----|----|-----|---|------|----|----|
| 23 | 24 | (S) | 3 | 32 | 58 | 12 |
| | | L | | 47,4 | | 30 |
| | | M | | 53 | 36 | 20 |
| | | F | | 4,4 | | |

Poco definido.

| | | | | | | |
|----|----|-----|----|------|----|----|
| 24 | 24 | FKP | 9 | 50 | 4 | 3 |
| | | iFP | | 52 | 37 | " |
| | | FPS | 10 | 4 | 52 | 17 |
| | | M | | 47 | 20 | 20 |
| | | F | | 11,1 | | |

(=135°=15.000 kms.)

Perturbado por F.M. de periodo lento.

| | | | | | | |
|----|----|-----|----|-----|-----|-----|
| 25 | 24 | 1Pz | 23 | 49 | 52 | d 3 |
| | | iS | | 56 | 6 | 12 |
| | | L | | 0 | 2,5 | 30 |
| | | M | | 9 | 7 | 18 |
| | | F | | 0,5 | | |

D=42°=4.670 kms.

| | | | | | | |
|----|----|-----|---|------|----|----|
| 26 | 25 | 1Pz | 1 | 54 | 25 | 4 |
| | | PP | | 58 | 28 | " |
| | | iS | 2 | 4 | 59 | 16 |
| | | iL | | 21,8 | | 36 |
| | | M | | 25 | 49 | 15 |
| | | F | | 4,5 | | |

D=87°=9.670 kms.

| | | | | | | |
|----|----|------|---|----|----|-----|
| 27 | 27 | 1Pz | 6 | 17 | 46 | d 3 |
| | | PoP | | 18 | 5 | " |
| | | pP | | | 21 | " |
| | | sP | | | 31 | " |
| | | pPoP | | | 35 | " |
| | | sPoP | | | 42 | " |
| | | iS | | 27 | 39 | 14 |

Fases restantes inapreciables por F.M. de periodo lento.

(D=83°=9.220 kms.
(h=150 kms.)

| | | | | | | |
|----|----|---|---|-----|----|------|
| 28 | 28 | i | 3 | 49 | 24 | 13 |
| | | " | | 52 | 18 | 15 |
| | | M | 4 | 58 | 48 | 21 |
| | | F | | 4,6 | | F.M. |

| | | | | | | |
|----|----|-----|----|----|------|------|
| 29 | 28 | iPg | 18 | 51 | 56 | ráp. |
| | | iSg | | | 58 | |
| | | M | | | 59 | |
| | | F | | | 52,3 | |

D = 15 kms.

Grado II en Granada.

Agitación microsísmica

| Fecha | D í a | | N o c h e | |
|-------|-------|----------|-----------|----------|
| | T(s) | A(micr.) | T(s) | A(micr.) |
| 1-2 | 2-4 | 1-2 | 2-4 | 1-2 |
| 3 | 3-5 | 2-3 | 3-5 | " |
| 4-5 | 2-4 | 1-2 | 2-4 | 1 |
| 6 | 3-5 | 1 | 3-5 | " |
| 7-8 | " | 1-2 | " | 1-2 |
| 9 | " | 2-3 | " | 3-4 |
| 10 | " | " | " | 2-3 |
| 11-14 | " | 1-2 | " | 1-2 |
| 15 | " | " | " | 2-3 |
| 16-17 | " | " | " | 1-2 |
| 18 | " | 1 | " | 1 |
| 19 | " | 1-2 | " | 3-4 |
| 20 | " | 2-3 | " | 2-3 |
| 21-26 | " | 1-2 | " | 1-2 |
| 27 | " | " | " | 4-5 |
| 28 | " | 4-6 | " | 3-4 |

El Director:

Antonio José S. Y.



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Observatorio de Cartuja

Granada

Boletín sísmico provisional.-Marzo 1946.

| Nº | Día | Fase | h. m. s. | T. | Nº | Día | Fase | h. m. s. | T. |
|----|---------------|---|---|---|---|---------------|---|---|---|
| 30 | 9 | iPg iSg F | 16 8 56 57 9,1 D= 5 kms. | ráp. 1 | 37 | 15 | iPKPz pPKP pSKP iPP pPP sSKS PPP pPPP SS L | 8 5 46 a 6 33 9 57 10 56 11 41 13 28 15 35 16 25 31 11 9 9,3 | 3 " " " " " 10 " 19 |
| 31 | 10 | Pg Sg F | 21 50 4 6 50,3 D=10 kms. | ráp. 1 | (Al empezar los M, faltó el fluido eléctrico.) D=171°=19.000 kms. h= 200 kms. | | | | |
| 32 | 10 | Pg Sg F | 23 37 45 47 38,0 D=10 kms. | ráp. 1 | Réplica del anterior. | | | | |
| 33 | 12 | PP pPP PS L M F | 0 22 21 23 3 31 51 1 0,6 12 46 Siguiente. D=118°=13.100 kms. (h=100 kms.) | 3 " 13 30 15 | 38 | 15 | iPg iSg F | 21 18 14 16 18,6 D=15 kms. | ráp. 1 |
| 34 | 12 | iPz iS M F | 2 30 24 37 8 53 53 4,6 D=46°=5.110 kms. (Az.=ENE.) | 3 22 15 | 39 | 17 | iPg iSg F | 6 34 49 50,5 35,5 D=15 kms. | ráp. 1 |
| 35 | 14 | Sg F | 13 40 24 40,6 Local débil. | 1 | Grado II F.M. en Granada. | | | | |
| 36 | 15 | iPKPz iPP SKS i SS G LR M F | 3 18 5 22 59 24 45 39 17 43 17 4 4,0 12,2 21 17 5,2 D=168°=18.670 kms. | 3 " 9 14 10 33 21 18 | 40 | 20 | L M F | 5 56,1 6 3 33 6,9 | 24 18 |
| 37 | 15 | Sg F | 22 55 0 2 55,4 (D=15 kms.-Dudoso.) | ráp. 1 | 41 | 22 | LM F | 14 9,6 14,8 | 24 |
| 38 | 15 | Pg Sg F | 23 12 21 23 12,7 (D=15 kms.-Dudoso.) | ráp. 1 | 42 | 22 | iPg Sg F | 22 55 0 2 55,4 (D=15 kms.-Dudoso.) | ráp. 1 |
| 39 | 15 | Sg F | 12 11 1 11,3 Local débil. | 1 | 43 | 22 | Pg Sg F | 23 12 21 23 12,7 (D=15 kms.-Dudoso.) | ráp. 1 |
| 40 | 20 | Sg F | 12 11 1 11,3 Local débil. | 1 | 44 | 23 | Sg F | 12 11 1 11,3 Local débil. | 1 |

Observatorio de Cartuja

Granada Boletín sísmico provisional.-Marzo 1946.

| Nº | Día | Fase | h. m. s. | T. |
|--------------------|---------------|---|--|---------------------------------|
| 45 | 23 | ePg iSg F | 16 39 3 6 39,4 | ráp. 1 |
| D=25 kms. | | | | |
| 46 | 24 | iPKPz PP PS eSS L M F | 16 3 32 5 56 16 35 25 47 56,8 17 6 22 18,0 | d 3 " 15 " 28 20 |
| D=133°=14.560 kms. | | | | |

| Nº | Día | Fase | h. m. s. | T. |
|----------------------------------|-----|--|--|---|
| 51 | 27 | iPz pP PcP PP PPP pPPP PcS iS SS SSS L | 23 40 30 52 41 14 42 37 44 0 8 45 11 48 29 53 2 54 31 57,8 | c 3 " " " " " 7 24 14 23 |
| 28 | M | F | 0 14 14 2,3 | 15 |
| D=59°=6.560 kms. h=40+30 kms. | | | | |

| | | | | |
|--------------------|----|--------------------------|---|----------------------|
| 47 | 25 | iPz PP L M F | 8 55 21 58 25 9 19,8 22 20 10,1 | d 3 " 24 17 |
| (D=77°=8.560 kms.) | | | | |

| | | | | |
|--|---------------|------------------------|------------------------------|-----------------------|
| 52 | 29 | iPz (S) | 7 29 32 38 53 | d 3 13 |
| Débil.-Fases restantes confundidas con las del siguiente. | | | | |

Dudoso por superposición de líneas en los fotográficos al cambiar las bandas.

| | | | | |
|----------------------|----|---|---|--|
| 48 | 25 | L M F | 22 58,6 23 2 48 23,2 | 27 18 |
| 49 | 26 | Pz PKP PP SKP S PFS SS L M F | 17 22 59 24 19 26 31 27 47 33 50 37 40 43 34 18 3,8 11 49 21,1 | d 3 " " 15 " 17 22 27 18 |
| (D=130°=14.400 kms.) | | | | |

| | | | | |
|-----------------|----|----------------------------------|--|----------------------------|
| 53 | 29 | iPz PcP iS iL M F | 7 38 22 51 48 38 8 4,3 14 34 10,8 | d 3 " 19 25 16 |
| D=83°=9.200 kms | | | | |

Primeros preliminares débiles y confusos por F.M.

| | | | | |
|----------------------------------|---------------|-----------------------------|-------------------------------------|-----------------------|
| 54 | 31 | ePg Sg F | 20 14 57 59 15,2 | ráp. 1 |
| Muy débil - D=10 kms. | | | | |

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El Director

Antonio Jara S.Y.

| | | | | |
|----|----|-----------------------|------------------------------------|----------------|
| 50 | 27 | iPKPz PP M F | 5 56 53 58 10 6 40 50 7,5 | c 3 " 18 |
|----|----|-----------------------|------------------------------------|----------------|

Fases restantes débiles; superposición de líneas (D=118°=13.100 kms.)

Avril, 1.
iPz 12 41 43
iS 52 42
Servio de 18 répliques



22 SEP 1941



Observatorio de Cartuja
Granada

Boletín sísmico provisional. - Abril 1941

| Nº | Día | Fase | h. m. s. | | | T. | Nº | Día | Fase | h. m. s. | | | T. |
|----|-----|------|----------|-------|----|----|-----|-----|------|----------|----|----|----|
| 55 | 1 | eP | 1 | 10 | 46 | 4 | 61 | 1 | eP | 14 | 6 | 32 | 3 |
| | | 1F | | | 54 | " | (5) | | (FP) | | 8 | 28 | " |
| | | S | | 16 | 49 | 8 | | | S | | 16 | 7 | 10 |
| | | eSS | | 19 | 0 | 15 | | | | | | | |
| | | L | | 22,4 | | 20 | 62 | 1 | P | 15 | 33 | 59 | 3 |
| | | M | | 27,40 | | 16 | (6) | | | | | | |
| | | F | | 7,4 | | | 63 | 1 | P | 16 | 3 | 34 | 3 |

D=38°=4,200kms.

Sin registro en la componente vertical, por fundirse la lampara.

| | | | | | | | |
|----|---|------|----|------|----|---|----|
| 56 | 1 | 1Fz | 12 | 41 | 43 | d | 3 |
| | | pP | | | 54 | " | " |
| | | 1FP | | 44 | 54 | | 6 |
| | | 1pFP | | 45 | 19 | | 3 |
| | | SeS | | 52 | 33 | | 15 |
| | | 1S | | | 42 | | 18 |
| | | 1S | | 53 | 34 | | 12 |
| | | 1SS | | 58 | 9 | | 17 |
| | | G | 13 | 3,8 | | | 54 |
| | | 1LR | | 13,4 | | | 27 |
| | | M | | 18 | 9 | | 18 |

F siguientes.

D=90°=10,000kms.

h=40+30kms.

Muy violento. - Archipiélago de las Aleutinas. - Seguido de réplicas que numeradas entre paréntesis bajo la cifra de orden anual. - En la mayor parte de ellas las fases últimas están superpuestas e indecifrables; los F. no inciden reconocer con certeza varias de las réplicas registradas.

| | | | | | | | | | | | | | | |
|-----|---|----|----|----|----|---|----|------|---|----|----|------|----|----|
| 57 | 1 | eP | 13 | 6 | 12 | | 3 | 67 | 1 | P | 19 | 47 | 3 | 3 |
| (1) | | | | | | | | (11) | | S | | 56 | 57 | 11 |
| 58 | 1 | F | 13 | 8 | 37 | d | 3 | 68 | 1 | P | 19 | 51 | 2 | 3 |
| (2) | | FP | | 12 | 23 | | " | (12) | | | | | | |
| | | S | | 18 | 37 | | 11 | 69 | 1 | P | 20 | 17 | 0 | 3 |
| | | PS | | 19 | 30 | | " | (13) | | | | | | |
| 59 | 1 | eP | 13 | 32 | 28 | | 3 | 70 | 2 | P | 1 | 11 | 36 | 3 |
| (3) | | | | | | | | (14) | | S | | 20 | 13 | 12 |
| 60 | 1 | F | 13 | 41 | 41 | | 3 | | | L | | 44,9 | | 30 |
| (4) | | FP | | 44 | 54 | | " | 71 | 2 | IM | 2 | 58,9 | | 18 |
| | | S | | 52 | 17 | | 12 | (15) | | F | | 3,4 | | |
| | | | | | | | | 72 | 2 | 1z | 3 | 25 | 35 | 3 |
| | | | | | | | | (16) | | SB | | 37 | 18 | 9 |
| | | | | | | | | 73 | 2 | Fz | 4 | 26 | 36 | 3 |
| | | | | | | | | (17) | | S | | 37 | 15 | 13 |
| | | | | | | | | | | L | | 57,9 | | 24 |
| | | | | | | | | | | M | 5 | 7 | 47 | 18 |

Observatorio de Cartuja
Granada

Boletín sísmico provisional. - Abril 1960.

| Nº | Día | Fase | h. m. s. | T. | Nº | Día | Fase | h. m. s. | T. |
|------------|-----|--------------------------------------|--|--------------------------------|------------|-----|--|--|-----------------------------------|
| 74 (18) | 2 | Pz PP S L M | 5 51 4 14 6 1 25 21,9 20 54 | 3 " 12 36 21 | 84 (28) | 3 | M F | 22 36 0 25,1 | 18 |
| | | | | | | | | D=80°=8,830 kms. | |
| 75 (19) | 2 | Pz PP S | 6 9 58 13 24 20 30 | 3 " 10 | 85 (29) | 4 | (P) es F | 18 44 43 54 8 | 3 |
| | | | | | | | | entre F.M. (D=75°=8,300 kms) | |
| 76 (20) | 2 | Pz S L M | 13 2 16 11 59 29,3 35 55 | 4 15 24 18 | 86 (30) | 5 | 1Pz PP PP is es L M F | 20 58 56 59 13 23 21 2 56 3 15 7,8 10 52 | 3 " " 6 " 25 13 |
| | | | | | | | | D=81°=9,000 kms. | |
| 77 (21) | 2 | PP L M | 13 17 41 49,1 35 44 | 3 24 18 | 87 | 5 | L M F | 22,1 | 25 13 |
| | | | | | | | | D=25°=2,560 kms. R=40+20 kms. | |
| 78 (22) | 2 | Pz S L M | 15 44 6 33 43 16 10,9 16 57 | 3 11 24 18 | 88 | 5 | L M F | 22 59,9 45 39 | 30 18 |
| 79 (23) | 2 | 1Pz PP is es L M F | 16 44 33 43 54 3 17 0 0 15,1 19 0 18,8 | 3 " 19 12 30 18 | 89 (30) | 6 | 1Pz PP S L M F | 3 18 58 22 10 29 23 51,3 4 1 42 | 3 " 15 27 17 |
| | | | | | | | | siguiente. D=85°=9,440 kms. | |
| 80 (24) | 2 | L M F | 23 49,7 33 31 3,3 | 24 18 | 90 (31) | 6 | 1Pz PP PP L es L M F | 5 5 28 43 5 10 1 15 3 19 29,1 39 44 7,1 | 3 " " 16 " 21 " |
| | | | | | | | | D=73°=8,550 kms. R=40+30 kms. | |
| 81 (25) | 3 | L M | 4 9,9 16 41 | 25 16 | 91 | 6 | L M F | 29,1 39 44 | 21 " |
| 82 (26) | 3 | 1Pz F | 4 54,7 5,5 | 24 | 92 | 6 | (1) L L M F | 14 10 55 17 34 19,1 28 13 14,9 F.M. | 18 14 34 18 |
| 83 (27) | 3 | 1Pz PP is L M F | 9 11 11 23 21 11 44,7 50 47 11,4 | 3 " 12 24 20 | 93 | 6 | (1) L M F | 14,9 F.M. | 18 |
| | | | | | | | | D=80°=8,830 kms. | |
| 84 | 5 | es is L | 21 57 56 22 7 51 29,0 | 3 12 24 | 94 | 8 | 1(P) 1(S) L M F | 18 24 20 27 40 29,5 30 30 19,1 F.M. (D=18°=2,000) | 4 18 20 18 |

| Nº | Día | Fase | h. m. s. | T. | Nº | Día | Fase | h. m. s. | T. | | | | | | | |
|--|------|------|-------------------|------|--|-----|--|-----------|--------------------|----------|-----|---------|-----|---|-------|---|
| 92 | 9 | 1Pz | 1 59 47 | e 3 | 99 | 18 | PKP | 7 22 51 | 3 | | | | | | | |
| | | 1pP | 2 0 42 | " | | | PP | 26 36 | " | | | | | | | |
| | | sP | 56 | " | | | L | 8 23,4 | 24 | | | | | | | |
| | | 1FP | 1 51 | " | | | M | 28 16 | 17 | | | | | | | |
| | | pPP | 2 21 | " | | | F | 9,5 | | | | | | | | |
| | | pPcP | 3 10 | 7 | | | D=153°=17,000 kms. | | | | | | | | | |
| | | 1S | 6 18 | " | | | 100 | 18 | 1Pz | 11 48 59 | d 3 | | | | | |
| | | sos | 9 12 | 8 | | | | | pP | 54 | " | | | | | |
| | | L | 13,3 | 17 | | | | | eS | 54 48 | 8 | | | | | |
| | | M | 14 55 | 11 | | | | | L | 12 2,9 | 24 | | | | | |
| F | 6,2 | | M | 4 45 | 16 | | | | | | | | | | | |
| | | | D=47°=5,220 kms. | | | | | | F | 12,5 | | | | | | |
| | | | h=40+220kms. | | | | | | (D=40°=4,400 kms.) | | | | | | | |
| 93 | 11 | 1 | 9 54 20 | 11 | 101 | 18 | L | 20 49,4 | 30 | | | | | | | |
| | | L | 58,4 | 18 | | | M | 53 38 | 17 | | | | | | | |
| | | M | 59 23 | 16 | | | F | 21,8 F.M. | | | | | | | | |
| | | F | 10,5 F.M. | | | | | | | | | | | | | |
| 94 | 11 | 1M | 14 58,8 | 24 | 102 | 19 | L | 12 35,4 | 30 | | | | | | | |
| | | F | 15,4 | | | | M | 35 38 | 17 | | | | | | | |
| 95 | 12 | F | 7 42 18 | 3 | 103 | 23 | 1PKP1 | 5 15 51 | e 4 | | | | | | | |
| | | pp | 51 | " | | | PKP2 | 16 13 | 3 | | | | | | | |
| | | PP | 43 10 | " | | | 1FP | 19 37 | " | | | | | | | |
| | | pPP | 42 | " | | | saks | 26 21 | 9 | | | | | | | |
| | | pPcP | 46 52 | " | | | SS | 39 37 | 12 | | | | | | | |
| | | oS | 47 52 | 8 | | | G | 6 3,8 | 42 | | | | | | | |
| | | | (D=27°=3,000 kms) | | | | | | LH | 10,4 | 40 | | | | | |
| | | | h=40+60 kms) | | | | | | M | 19 14 | 17 | | | | | |
| Últimas fases entre F.M. de período lento; por superposición de líneas por cambio de bandas. | | | | | | | | | | | | | | | | |
| 96 | 16 | 1M | 0 44,7 | 24 | 104 | 23 | (PKP2) | 5 17 45 | 3 | | | | | | | |
| | | F | 1,4 Dóbil. | | | | (ePP) | 21 52 | " | | | | | | | |
| 97 | 16 | 1Pz | 11 48 11 | d 3 | Posible réplica del anterior que explicaría la complejidad e interferencia del sismograma. | | | | | | | | | | | |
| | | pp | 28 | " | 105 | 23 | 1PKP1 | 11 0 21 | 3 | | | | | | | |
| | | 1FP | 42 | " | | | PKP2 | 44 | " | | | | | | | |
| | | sPP | 49 9 | " | | | 1FP | 4 5 | 4 | | | | | | | |
| | | 1S | 51 45 | 5 | | | L | 55,7 | 36 | | | | | | | |
| | | sS | 52 16 | " | | | M | 12 4 48 | 21 | | | | | | | |
| | | L | 54,1 | 24 | | | F | 13,2 | | | | | | | | |
| | | M | 56 26 | 14 | | | Réplica del nº 103; la onda inicial coincide con el eclipse de las horas | | | | | | | | | |
| F | 11,9 | | | | | | | | | | | | | | | |
| | | | D=20°=2,220 kms. | | | | | | 106 | 24 | 1Pz | 12 23 9 | d 3 | | | |
| | | | h=40+130 kms. | | | | | | | | | | | 1 | 24 56 | " |
| | | | | | | | | | | | | | | | | |
| 98 | 16 | L | 22 55,7 | 18 | Fases restantes entre F.M. de período lento. | | | | | | | | | | | |
| | | M | 23 2 58 | " | | | | | | | | | | | | |
| | | F | 23,4 | | | | | | | | | | | | | |

Observatorio de Cartuja
Granada

Boletín sísmico provisional.-Abril 1946.

| Nº | Día | Fase | H. m. s. | T. | Agitación microsísmica | | | | |
|-----|-----|------|--|-----|------------------------|-----|-------|-----|-----|
| | | | | | Fechas | Día | Noche | | |
| 107 | 25 | eL | 1 40,7 | 28 | | | | | |
| | | M | 47 34 | 17 | | | | | |
| | | F | 2,1 Débil. | | | | | | |
| 108 | 30 | Pg | 1 55 55 | rap | 18 | 2-4 | 1-2 | 2-4 | 2-4 |
| | | Sg | 56 | 1 | 19 | 3-5 | 1-3 | 3-5 | 1-2 |
| | | F | 56,1 | | 20 | " | 1 | " | " |
| | | | D=5 kms. | | 21-24 | " | 1-2 | " | " |
| | | | (La onda inicial coincide con la marca del minuto) | | 25 | " | 1 | " | 3-4 |
| | | | | | 26 | " | 3-5 | " | " |
| | | | | | 27 | 2-4 | 2-4 | 2-4 | 2-3 |
| | | | 28 | " | 2-3 | " | " | | |
| | | | 29 | " | 3-5 | " | 3-4 | | |
| | | | 30 | " | 2-3 | " | " | | |

Agitación microsísmica.

| Fechas | Día | | Noche | |
|--------|-------|----------|-------|---------|
| | T (s) | A (miec) | T(s) | A(miec) |
| 1-3 | 3-5 | 1-2 | 3-5 | 1-2 |
| 4 | " | 1 | " | " |
| 5 | " | " | " | 1 |
| 6 | " | 1-2 | " | 1-2 |
| 7 | " | 3-4 | " | 3-4 |
| 8 | " | 2-3 | " | 1-2 |
| 9-13 | " | 1-2 | " | " |
| 14-17 | " | 1 | " | 1 |

(Los máximos de amplitud ocurren los días 26, 27, y 29 entre las últimas horas de la tarde y la media noche.)

El Director.

Antonio José S. Y.



| Nº | Día | Fase | h. m. s. | | | T. | Nº | Día | Fase | h. m. s. | | |
|-----|-----|------|--------------------|-------------|------|----|-----|-----|------|------------------------------------|-------|------|
| 109 | 3 | o | 22 | 22 | 15 | 4 | 114 | 8 | 1L | 10 | 53,5 | 34 |
| | | 1 | | 23 | 55 | " | | | M | 11 | 3 26 | 19 |
| | | eS | | 26 | 42 | 10 | | | F | 13,1 | | |
| | | M | | 31 | 42 | 12 | | | | D=133°=14,760 kms. h=40+60 kms. | | |
| | | F | Siguiendo. | | | | | | | | | |
| 110 | 3 | 1PKP | 22 | 43 | 24 | 3 | 115 | 8 | 1P | 16 | 6 24 | d 3 |
| | | pPKP | | | 39 | " | | | PcP | | 33 | " |
| | | 1PP | | 46 | 48 | " | | | pp | | 50 | " |
| | | pPP | | 47 | 6 | " | | | 1S | 16 | 40 | 16 |
| | | SKS | | 49 | 36 | 7 | | | SS | 21 | 45 | 15 |
| | | SKKS | | 53 | 14 | 11 | | | eL | 33,9 | | 19 |
| | | FPS | | 59 | 46 | 15 | | | M | 41 | 46 | 17 |
| | | SS | 23 | 5 | 34 | 24 | | | F | 17,1 OL débiles. | | |
| | | SSS | | 11 | 6 | 40 | | | | D=84°=9,330 kms. h=40+53 kms. | | |
| | | 1L | | 32,8 | | 21 | | | | | | |
| | | M | | 48 | 39 | 17 | | | | | | |
| | 4 | F | 4,0 Muy Violento. | | | | 116 | 8 | Pg | 16 | 24 38 | ráp. |
| | | | D=147°=16,330 kms. | | | | | | Sg | | 39 | 1 |
| | | | h=40+60 kms. | | | | | | F | 24,8 | | |
| | | | | | | | | | | D=5 kms. | | |
| 111 | 5 | L | 10 | 26,8 | | 18 | 117 | 9 | Pg | 5 | 56 35 | ráp. |
| | | M | | 33 39 | | " | | | Sg | | 36 | 1 |
| | | F | | 11,1 Débil. | | | | | F | 56,8 | | |
| | | | | | | | | | | D=5 kms. | | |
| 112 | 8 | 1P | 5 | 34 15 | d | 3 | 118 | 9 | P | 19 | 56 32 | 4 |
| | | 1PP | | 37 56 | | " | | | eSoS | 20 | 6 10 | 12 |
| | | SKS | | 54 3 | | 10 | | | L | | 12,8 | 24 |
| | | 1S | | | 58 | 11 | | | M | | 14 13 | 16 |
| | | SS | | 52 36 | | 12 | | | F | 20,5 | | |
| | | SSS | | 57 17 | | " | | | | (D=55°=6,100 kms) | | |
| | | C | 6 | 4,7 | | 40 | | | | | | |
| | | Lz | | 14,8 | | 37 | | | | | | |
| | | M | | 21 30 | | 20 | 119 | 9 | L | 23 | 20,8 | 27 |
| | | F | | 10,1 | | | | | M | | 26 44 | 19 |
| | | | | | | | | | F | Siguiendo. | | |
| | | | | | | | | | | | | |
| 113 | 8 | 1Pg | 7 | 3 32 | ráp. | 1 | 120 | 10 | eL | 0 | 10,4 | 26 |
| | | 1Sg | | | 33 | | | | 1L | | 18 12 | 24 |
| | | F | | 3,7 | | | | | M | | 26 43 | 20 |
| | | | | | | | | | F | 1,6 | F.M. | |
| | | | | | | | | | | | | |
| 114 | 8 | BP | 10 | 4 44 | e | 4 | 121 | 10 | L | 13 | 31,6 | 24 |
| | | 1PKP | | 7 12 | | 3 | | | M | | 37 31 | 18 |
| | | pPKP | | | 43 | " | | | F | 14,2 | F.M. | |
| | | 1S | | 8 11 | | " | | | | | | |
| | | 1PP | | 9 33 | | " | 122 | 11 | 1P | 16 | 31 39 | d 3 |
| | | 1PP | | | 48 | " | | | pp | | | " |
| | | 1PP | | 10 13 | | " | | | SP | | 32 9 | " |
| | | 1PP | | 11 5 | | " | | | S | | 36 48 | 8 |
| | | SKKS | | 15 44 | | 14 | | | eL | | 40,6 | 24 |
| | | eS | | 22 53 | | 12 | | | M | | 43 34 | 14 |
| | | SS | | 26 43 | | 15 | | | F | 17,1 | | |
| | | | | | | | | | | D=29°=3,220 kms. h=40+10 kms. | | |

Observatorio de Cartuja
Granada

Boletín sísmico provisional. - Mayo 1946.

International
Seismological
Centre

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|-------|------------|------|----|----|
| 123 | 11 | iPKP1 | 17 | 37 | 15 | 3 |
| | | PKP2 | | 36 | 6 | " |
| | | ePP | | 41 | 24 | " |
| | | L | 18 | 40,7 | | 30 |
| | | M | | 47 | 9 | 16 |
| | | F | Siguiente. | | | |

D=164°=18,200 kms.

| | | | | | | | |
|-----|----|-----|------|------|----|----|---|
| 124 | 11 | iPz | 18 | 45 | 28 | d | 3 |
| | | pP | | | 36 | " | |
| | | sP | | | 50 | " | |
| | | PP | | 46 | 18 | " | |
| | | PcP | | 48 | 20 | 4 | |
| | | S | | 50 | 18 | 13 | |
| | | SS | | 52 | 38 | 9 | |
| | | L | | 53,8 | | 24 | |
| | | M | | 54 | 22 | 15 | |
| | | F | 20,8 | | | | |

D=29°=3,220 kms.
h=40±0 kms.

| | | | | | | | |
|-----|----|-----|------|------|----|----|---|
| 125 | 12 | iPz | 13 | 24 | 50 | e | 3 |
| | | pP | | | 59 | " | |
| | | sP | | 25 | 2 | " | |
| | | iS | | 28 | 42 | 12 | |
| | | SS | | 29 | 6 | 6 | |
| | | L | | 30,2 | | 19 | |
| | | M | | 31 | 33 | 12 | |
| | | F | 15,3 | | | | |

D=21°=2,330 kms.
h=40±0 kms.

| | | | | | | |
|-----|----|----|------|----|----|---|
| 126 | 14 | P | 12 | 21 | 55 | 2 |
| | | P3 | | 22 | 1 | " |
| | | P4 | | | 7 | " |
| | | iS | | | 25 | " |
| | | S2 | | | 27 | " |
| | | M | | 23 | 2 | 3 |
| | | F | 27,9 | | | |

D=240 kms h=20 kms.

Sentido en Cartajena y Murcia
grado V.

| | | | | | | | |
|-----|----|-----|-----|------|----|----|---|
| 127 | 15 | iPz | 22 | 23 | 10 | d | 3 |
| | | PcP | | | 36 | " | |
| | | pP | | | 57 | " | |
| | | iS | | 33 | 35 | 11 | |
| | | iL | | 50,8 | | 37 | |
| | | M | | 55 | 3 | 21 | |
| | | F | 1,8 | | | | |
| | | 16 | F | | | | |

D=66°=9,560 kms.
h=40±60 kms.

| Nº | Día | Fase | h. | m. | s. | T. | |
|-----|-----|------|----|----|----|----|---|
| 128 | 15 | iPz | 23 | 36 | 46 | d | 3 |
| | | PcP | | 37 | 15 | " | |
| | | pP | | | 39 | " | |
| | | iS | | 47 | 0 | 10 | |

Fases restantes mezcladas
con las del anterior del
que es réplica.

| | | | | | | | |
|-----|----|-------|-----|------|----|----|---|
| 129 | 16 | iPKP1 | 5 | 45 | 16 | e | 3 |
| | | PKP2 | | | 36 | " | |
| | | PP | | 48 | 41 | " | |
| | | L | 6 | 43,4 | | 24 | |
| | | M | | 55 | 42 | 21 | |
| | | F | 8,3 | | | | |

D=156°=17,300 kms.

| | | | | | | | |
|-----|----|------------------|------|------|----|----|---|
| 130 | 18 | iPz | 13 | 18 | 33 | e | 3 |
| | | PP | | 19 | 12 | " | |
| | | iS | | 22 | 30 | 10 | |
| | | L | | 24,6 | | 17 | |
| | | M | | 30 | 53 | 12 | |
| | | F | 13,9 | | | | |
| | | D=23°=2,560 kms. | | | | | |

| | | | | | | | |
|-----|----|-----|------|----|---|-----|---|
| 131 | 18 | iPg | 14 | 24 | 3 | ráp | 1 |
| | | Sg | | | 4 | | |
| | | F | 24,3 | | | | |

D= 5 kms.

| | | | | | | | |
|-----|----|-----|-----|------|----|----|---|
| 132 | 19 | iPz | 0 | 44 | 7 | d | 3 |
| | | pP | | | 28 | " | |
| | | PP | | 47 | 30 | " | |
| | | iS | | 54 | 46 | 8 | |
| | | L | 1 | 13,7 | | 26 | |
| | | M | | 30 | 21 | 16 | |
| | | F | 2,7 | | | | |

D=89°=9,890 kms.
h=40±40 kms.

| | | | | | | | |
|-----|----|-----|---|------|----|----|---|
| 133 | 21 | iPz | 9 | 26 | 14 | e | 3 |
| | | pP | | | 31 | 4 | |
| | | PcP | | 27 | 11 | " | |
| | | iPP | | | 50 | " | |
| | | PPP | | 30 | 1 | 6 | |
| | | iS | | 33 | 53 | 10 | |
| | | SS | | 34 | 32 | " | |
| | | SS | | 37 | 39 | 15 | |
| | | iLz | | 41,8 | | 30 | |
| | | M | | 45 | 13 | 18 | |

D=56°=6,220 kms
h=40±50 kms.

| Nº | Dia | Fase | h. m. s. | | | T. | Agitacion microsismica | | | |
|--|-----|---|----------|-----------------|-------------------------------------|--|------------------------|------|---------------|-----|
| | | | Fechas | | Dia | | Noche | | | |
| | | | | | | T(s) | A(micr) | T(s) | A(micr) | |
| 134 | 21 | Pz eS | 9 10 | 56 3 | 9 50 | 3 10 | | | | |
| Fases restantes sobre el anterior, del que es réplica. | | | | | | 1 | 4-6 | 4-5 | 4-6 | 3-4 |
| | | | | | | 2 | " | 3-4 | " | 2-3 |
| | | | | | | 3-4 | 3-5 | 2-3 | 3-5 | " |
| | | | | | | 5 | " | 2-4 | " | 2-4 |
| 135 | 22 | (PKP) (PF) L M F | 9 11 | 54 0,8 | 15 49 | 4 30 18 | | | | |
| | | | | | | 6 | " | 1-3 | " | 1-3 |
| | | | | | | 7 | " | 2-3 | " | 1-2 |
| | | | | | | 8 | " | 1-2 | " | " |
| | | | | | | 9 | " | " | " | 2-3 |
| | | | | | | 10 | " | 2-3 | " | 1-2 |
| | | | | | | 11 | " | 1-2 | " | " |
| 136 | 23 | L M F | 2 3 | 49,8 1 | 36 | 32 19 | | | | |
| | | | | | | 13-14 | " | 2-3 | " | 2-3 |
| | | | | | | 15 | " | 1-2 | " | 1-2 |
| | | | | | | 16 | " | 1-3 | " | 1-3 |
| 137 | 28 | iPg iSg F | 15 | 33 | 33 34,5 33,8 | ráp 1 | | | | |
| | | | | | | 17-18 | " | 1 | " | L |
| | | | | | | 19 | " | " | " | 1-2 |
| | | | | | | 20 | " | " | " | 1 |
| | | | | | | 21-23 | " | " | " | 1-2 |
| 138 | 29 | (PKP) (PP) SKS PS eSS M débil F | 19 | 42 | 5 27 48 54 30 21 | d 3 4 14 18 15 18 | | | | |
| | | | | | | 24 | " | 1-2 | " | 1 |
| | | | | | | 25 | 2-4 | " | 2-4 | 1-2 |
| | | | | | | 26-27 | " | 1 | " | " |
| | | | | | | 28 | 3-5 | 2-3 | 3-5 | " |
| | | | | | | 29 | " | 1-2 | " | 2-3 |
| | | | | | | 30-31 | " | " | " | 1-2 |
| | | | | | | ----- | | | | |
| | | | | | | Nota.- En la tarde y noche de los dias siguientes hay maximos microsismicos cuyas amplitudes medias se indican a continuacion. | | | | |
| | | | | | | ----- | | | | |
| | | | | | | Dias | 5,6,13 y 19 | | A = 3-4 micr. | |
| | | | | | | " | 16 | | " 2-3 " | |
| | | | | | | " | 22 y 23 | | " 4-5 " | |
| | | | | | | ----- | | | | |
| | | | | | | -+--+ | | | | |
| | | | | | | El Director: | | | | |
| | | | | | | <i>Antonio Duc S. Y.</i> | | | | |
| 139 | 30 | iPn P5 P4S S3 iS5 M F | 3 | 44 | 13 16 43 45 50 22 | 3 " " " 4 " | | | | |
| | | | | | | D=110°=12,200 kms. | | | | |
| | | | | | | h= 57 kms. | | | | |
| | | | | | | Violento en Suiza. | | | | |
| 31 | 31 | iP PP PPP PcP iS L M F | 3 | 19 ^a | 31 22 50 31 5 2 8 | d 3 4 " 3 5 29 19 | | | | |
| | | | | | | D=34°=3,890 kms. | | | | |
| | | | | | | Destructor en la region de Asia Menor hacia los N - 41°, SE. | | | | |



22 OCT. 1946

2447/

22 OCT. 1946

| Nº | Día | Fase | h. m. s. | T. | Nº | Día | Fase | h. m. s. | T. |
|-----|-----|---------------------------------|--|---------------------------|---|-----|---|--|---|
| 141 | 1 | Pg SG F | 8 51 42 45 52,1 | ráp 1 | 152 | 4 | 1Pg 1SG N F | 18 2 8 10 17 3,7 | ráp 1 1 |
| | | | | | Sentido en Granada grado IV | | | | |
| 142 | 1 | L M F | 17 7,9 13 37 17,8 | 30 18 | 153 | 4 | Pg SG F | 18 14 52 54 15,1 | ráp 1 |
| 143 | 2 | eP eS eSS eL M F | 1 30 4 40 51 48 57 2 2,6 5 42 2,7 | 7 12 13 25 15 | 154 | 5 | 1PKP 1PP pPP SKKS eLM F | 1 12 34 16 8 20 22 2 2 17,3 3,0 | e 5 3 " 6 21 |
| | | | | | D=150°=16,670 kms. h=40+10 kms. | | | | |
| 144 | 2 | Pg SG F | 15 53 15 16 53,4 | ráp 1 | 155 | 5 | SG F | 1 29 46 30 | ráp |
| | | | | | D=5 kms. | | | | |
| 145 | 3 | eL M F | 14 35,5 41 30 15,5 | 20 15 | 156 | 5 | L M F | 10 23,5 32 59 11,4 | 17 15 |
| 146 | 3 | L M F | 17 57,2 18 4 40 18,6 | 30 21 | 157 | 5 | LM F | 14 47 5 15,3 | 21 |
| 147 | 4 | 1PKP1 PKP2 PP eLM F | 5 4 8 d 55 8 31 6 29,5 6,9 | 3 " " 24 | 158 | 6 | 1Pz PP FP pPeP IS SS SeS L M F | 10 45 34 59 47 18 48 1 51 50 54 32 55 33 ±±,356,5 11,3 13,7 | d 3 " " " 9 11 14 39 14 |
| | | | | | D=162°=18,000 kms. | | | | |
| 148 | 4 | 1Pg 1SG M F | 16 23 50 52 56 27,7 | ráp 1 1 | 159 | 6 | Pg SG F | 10 32 24 26 32,6 | ráp 1 |
| | | | | | D=12 kms. Sentido en Granada grado III | | | | |
| 149 | 4 | Pg SG F | 16 30 39 41 30,9 | ráp 1 | 160 | 6 | e eLM F | 16 7 12 18,3 16,7 | 15 18 |
| | | | | | Réplica 1ª | | | | |
| 150 | 4 | SG F | 16 32 24 32,5 | 1 | 161 | 6 | Pg SG F | 17 9 34 36 9,9 | ráp 1 |
| | | | | | Réplica 2ª | | | | |
| 151 | 4 | SG F | 16 34 33 34,7 | 1 | Réplica 7ª | | | | |
| | | | | | Réplica 3ª | | | | |

| Nº | Día | Fase | h. m. s. | T. | Nº | Día | Fase | h. m. s. | T. |
|-----------------------------------|-----|--------------------|----------|-----|-----|-----|---|----------|-----|
| 162 | 7 | 1Pz | 4 25 23 | c 3 | 168 | 15 | PKP | 18 48 49 | c 4 |
| | | PcP | | " | | | PP | 50 8 | " |
| | | pP | | " | | | SKS | 55 38 | 12 |
| | | PP | 28 26 | " | | | PS | 19 0 4 | 18 |
| | | pPP | | 8 | | | SS | 6 50 | 12 |
| | | IS | 35 23 | 13 | | | L | 31,7 | 40 |
| | | eSS | 40 36 | 12 | | | M | 40 29 | 18 |
| | | Lz | 51,1 | 54 | | | F | 21,7 | |
| | | M | 55 33 | 21 | | | D=121°=13,450 kms. | | |
| | | F | 5,6 | | | | | | |
| D=80°=6,8900 kms. h=40+60 kms. | | | | | 169 | 16 | eP | 10 22 1 | 6 |
| 163 | 9 | 1F | 13 11 14 | 1 | 170 | 17 | PP | 23 20 | " |
| | | IS | | " | | | S | 28 59 | 15 |
| | | P2 | | " | | | SS | 31 14 | 12 |
| | | P3 | | " | | | L | 34,7 | 30 |
| | | P3 | | " | | | M | 39 44 | 13 |
| | | P3 | | " | | | F | 11,5 | |
| | | S2 | | 2 | | | (D=44°=4,900 kms.) | | |
| | | P4 | | " | | | L | 23 31,0 | 27 |
| | | P5 | | " | | | M | 42 37 | 15 |
| | | F | 14,3 | | | | F | 24,2 | |
| D=46 kms. h=15 kms. | | | | | 171 | 18 | L | 3 0,2 | 24 |
| Sentido en Guadix grado \bar{V} | | | | | | | M | 9 38 | 15 |
| | | | | | | | F | 3,5 | |
| 164 | 9 | eP | 14 2 53 | ráp | 172 | 18 | SG | 14 14 51 | ráp |
| | | eS | | 1 | | | F | 16,1 | |
| | | F | 3,2 | | | | Réplica del anterior. | | |
| 165 | 10 | P | 7 18 23 | 5 | 173 | 21 | e | 13 4 54 | 4 |
| | | S | | 17 | | | L | 38,8 | 33 |
| | | L | | 30 | | | M | 46 21 | 18 |
| | | M | | 16 | | | F | 14,6 | |
| | | F | 8,5 | | | | D=64°=7,100 kms. | | |
| 166 | 18 | PKP | 16 29 17 | 7 | 174 | 23 | 1Pz | 17 25 27 | c 3 |
| | | S | | 14 | | | PcP | | 5 |
| | | SS | | 12 | | | pP | | 2 |
| | | L | 17 12,5 | 27 | | | sP | 26 11 | " |
| | | M | 23 17 | 15 | | | 1PP | 28 36 | " |
| | | F | 18,9 | | | | PPP | 30 17 | 6 |
| | | D=130°=14,500 kms. | | | | | | | IS |
| 167 | 15 | PKP | 18 48 46 | c 3 | 175 | 19 | eS | 36 3 | 7 |
| | | PP | | 6 | | | PS | 19 | 5 |
| | | SKS | | 12 | | | sPS | 37 0 | 4 |
| | | PS | 19 0 14 | 18 | | | SS | 40 33 | 10 |
| | | SS | 6 50 | 15 | | | G | 41 4 | 27 |
| | | SSS | 10 21 | 16 | | | L | 51,4 | 45 |
| | | L | 26,2 | 22 | | | M | 55,6 | 26 |
| | | M | 44 11 | 18 | | | L2 | 19 33,7 | 36 |
| | | F | 21,7 | | | | M2 | 46 30 | 17 |
| | | D=118°=13,100 kms. | | | | | F Siguiente. D=81°=9,000 kms. h=40+50 kms.- Violento. | | |

| Nº | Día | Fase | h. m. s. | T. |
|-----|-----|------|----------|----|
| 175 | 23 | P | 18 12 53 | 3 |
| | | S | 23 18 | 15 |

Réplica, -Fases restantes confundidas con las del anterior.

| | | | | |
|-----|----|---|---------|----|
| 176 | 23 | L | 21 31,0 | 21 |
| | | M | 41 27 | 19 |
| | | F | 22,9 | |

| | | | | |
|-----|----|---|--------|----|
| 177 | 24 | L | 4 42,0 | 27 |
| | | M | 47 37 | 15 |
| | | F | 5,4 | |

| | | | | |
|-----|----|---|---------|----|
| 178 | 25 | L | 14 55,2 | 30 |
| | | M | 15 3 1 | 19 |
| | | F | 15,5 | |

| | | | | |
|-----|----|---|--------|----|
| 179 | 26 | L | 5 22,6 | 18 |
| | | M | 33 18 | 18 |
| | | F | 6,1 | |

| | | | | |
|-----|----|---|---------|-----|
| 180 | 26 | P | 6 55 29 | ráp |
| | | S | 58 | 1 |
| | | F | 55,9 | |

D=2°, 2=240 kms.

| | | | | |
|-----|----|----|----------|----|
| 181 | 26 | P | 8 5 39 d | 4 |
| | | PP | 8 53 | " |
| | | S | 15 50 | 14 |
| | | SS | 16 26 | 12 |
| | | L | 31,7 | 33 |
| | | M | 33 44 | 21 |
| | | F | 9,6 | |

D=81°=9,000 kms.

h=40+50 kms.

Réplica del nº 174.

| | | | | |
|-----|----|------|----------|----|
| 182 | 26 | PKP1 | 12 54 44 | 3 |
| | | PKP2 | 56 14 | 4 |
| | | PP | 13 0 6 | 3 |
| | | SKS | 1 38 | 15 |
| | | PPP | 4 16 | 3 |
| | | SKKS | 7 6 | 8 |
| | | SKSP | 10 54 | " |
| | | 1SS | 21 34 | 17 |
| | | SSS | 28 50 | 18 |
| | | G | 53,6 | 45 |
| | | L | 14 2,1 | 30 |
| | | M | 13 37 | 18 |
| | | F | 16,5 | |

D=173°=19,220 kms.

Foco superficial.

| | | | | |
|-----|----|---|---------|----|
| 183 | 26 | L | 20 56,2 | 30 |
| | | M | 4 19 | 18 |
| | | F | 21,9 | |

| | | | | |
|-----|----|----|--------|----|
| 184 | 27 | LM | 0 52,5 | 18 |
| | | F | 1,1 | |

| | | | | |
|-----|----|------|----------|----|
| 185 | 27 | ePKP | 21 59 20 | 4 |
| | | ePP | 22 4 26 | 5 |
| | | SS | 27 2 | 18 |
| | | L | 23 5,2 | 27 |
| | | M | 14 29 | 21 |
| | | F | 24,4 | |

(D=170°=18,9000 kms.)

| | | | | |
|-----|----|------|---------|----|
| 186 | 28 | ePKP | 7 34 39 | 5 |
| | | ePP | 40 9 | " |
| | | SS | 59 31 | 17 |
| | | L | 8 39,5 | 30 |
| | | M | 50 36 | 17 |

(D=163°=18,100 kms.)

| | | | | |
|-----|----|---|---------|----|
| 187 | 30 | L | 22 38,0 | 37 |
| | | M | 45 38 | 21 |
| | | F | 23,6 | |

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EL Director:

Antonio Duc S. Y.



22 OCT. 1946

2449



Observatorio de Cartuja
Granada

Boletín sísmico provisional, - Julio 1946

| Nº | Día | Fase | h. m. s. | T. |
|------------------|-----|------|----------|----|
| 188 | 1 | F | 2 5 25 | 3 |
| | | PF | 6 31 | 4 |
| | | S | 9 53 | 6 |
| | | L | 13,6 | 13 |
| | | M | 16 30 | 15 |
| | | F | 2,5 | |
| D=240=2,670 kms. | | | | |

| | | | | |
|-----|---|---|---------|----|
| 189 | 1 | o | 2 52 40 | 9 |
| | | L | 3 20,5 | 27 |
| | | M | 32 32 | 16 |
| | | F | 4,4 | |

| | | | | |
|-----|---|---|---------|----|
| 190 | 1 | L | 10 53,1 | 30 |
| | | M | 11 5 27 | 16 |
| | | F | 11,4 | |

| | | | | |
|-------------------------------------|---|------|----------|----|
| 191 | 1 | PKP | 22 54 50 | 4 |
| | | pPKP | 55 34 | " |
| | | PP | 58 38 | 9 |
| | | pPP | 59 24 | 6 |
| | | PPP | 23 1 31 | " |
| | | pPPP | 2 52 | 12 |
| | | SKKS | 5 16 | " |
| | | SKSP | 8 40 | " |
| | | SS | 16 31 | 15 |
| | | SSF | 17 22 | 18 |
| | | SSS | 21 27 | 15 |
| | | L | 39,1 | 30 |
| | | M | 52 2 | 21 |
| | | | 2 | F |
| D=1480=16,450 kms. h=40+150 kms. | | | | |

| | | | | |
|-----|---|---|---------|----|
| 192 | 2 | L | 12 54,0 | 32 |
| | | M | 57 22 | 18 |
| | | F | 18,3 | |

| | | | | |
|-----|---|---|--------|----|
| 193 | 3 | L | 1 49,7 | 30 |
| | | M | 52 22 | 16 |
| | | F | 2,2 | |

| | | | | |
|--------------------|---|----|------------|---|
| 194 | 3 | F | 4 5 43 | 3 |
| | | B3 | 56 | 2 |
| | | P5 | 6 6 | 1 |
| | | S | 51 | 3 |
| | | B4 | 47 | 1 |
| | | F | 200,4 10,4 | |
| D=330 kms. h=25 | | | | |

Epicentro cerca de la costa mediterranea entre Villajoyosa, de 15 a 20 kms de la Capital. Sentido en Alicante grado V.

| | | | | |
|-----------|---|----|----------|----|
| 195 | 5 | Ps | 13 54 39 | 70 |
| | | Sg | 41 10 | 1 |
| | | F | 54,4 | |
| D=10 kms. | | | | |

| | | | | |
|--------------------|---|----|----------|----|
| 196 | 7 | oP | 21 29 18 | 3 |
| | | PP | 29 49 | " |
| | | S | 32 57 | 12 |
| | | L | 34,5 | 30 |
| | | M | 38 14 | 17 |
| | | F | 22,0 | |
| (D=200=2,200 kms.) | | | | |

| | | | | |
|-------------------------------------|---|------|---------|----|
| 197 | 9 | PKP | 1 28 32 | 3 |
| | | pPKP | 29 21 | " |
| | | SKP | 31 36 | " |
| | | PP | 32 59 | 5 |
| | | pPP | 33 29 | 4 |
| | | SKS | 33 44 | " |
| | | SKSP | 37 48 | 13 |
| | | SKKS | 38 13 | 11 |
| | | SKSP | 42 26 | 16 |
| | | PPS | 46 54 | 15 |
| | | SS | 52 21 | " |
| | | SSS | 59 36 | 12 |
| | | L | 2 57,3 | 30 |
| | | M | 47 18 | 18 |
| | | F | 3,5 | |
| D=1600=17,700 kms. h=40+160 kms. | | | | |

(Falto el registro fotografico)

| | | | | |
|-----|------|-------|----------|-----|
| 198 | 9 | PKP1 | 13 33 32 | d 3 |
| | | PKP2 | 34 17 | " |
| | | pPKP | 38 | 4 |
| | | SKP | 36 50 | 9 |
| | | PP | 38 2 | 3 |
| | | pPP | 37 | 7 |
| | | SKS | 40 57 | 8 |
| | | PPP | 41 17 | 5 |
| | | SKKS | 43 27 | 6 |
| | | aSKKS | 45 49 | 11 |
| | | SKSP | 47 40 | 7 |
| | | PS | 49 40 | 9 |
| | | PPS | 51 41 | 15 |
| SS | 58 5 | 12 | | |

| Nº | Día | Fase | h. m. s. | T. | Nº | Día | Fase | h. m. s. | T. | | | | |
|--------------------|-----|------|------------|-------------------|-----|-------------------|------|-----------|--------|----------|-------|-------|------|
| 198 | 9 | SSS | 13 58 54 | 12 | 204 | 12 | PS | 23 52 2 | 12 | | | | |
| | | SSS | 14 4 0 | 30 | | | 13 | L | 0, 1,3 | 20 | | | |
| | | L | 29,3 | 18 | | | | M | | 9 25 | 20 | | |
| | | M | 55 26 | 17 | | | | | F | | 0,8 | | |
| | | F | 16,3 | | | | | | | | | | |
| D=160°=17,700 kms. | | | | D=91°=10,110 kms. | | | | | | | | | |
| h=40+160 kms. | | | | | | | | | | | | | |
| 199 | 10 | L | 0 20,8 | 20 | 205 | 13 | L | 2 32,4 | | 21 | | | |
| | | M | 30 10 | 15 | | | F | | 44 17 | 15 | | | |
| | | F | 98 | | | | | | | 3,1 | | | |
| 200 | 10 | 1P | 17 11 8 d | 3 | 206 | 13 | | L | 6 37,6 | 30 | | | |
| | | L | 29 0 | 21 | | | M | | 40 59 | 15 | | | |
| | | M | 36 58 | 15 | | | | F | | 6,9 | | | |
| | | F | 17,5 | | | | | | | | | | |
| 201 | 11 | 1P | 4 58 48 e | 3 | 207 | 14 | | | ePg | 23 54 59 | ráp | | |
| | | PeP | | | | | Sg | | | 55 2 | 1 | | |
| | | pP | | 59 19 | | | | | | 55,2 | | | |
| | | oP | | 52 | | | | | | | | | |
| | | PP | 5 | 2 15 | | | | | | | | | |
| | | pPP | | 2 23 | | | | | | | | | |
| | | PPP | | 3 15 | | | | 8 | | | | | |
| | | 1S | | 8 39 | | | | 7 | | | | | |
| | | FS | | 9 10 | | | | 8 | | | | | |
| | | SS | | 9 48 | | | | 12 | | | | | |
| | | 1SS | | 13 52 | | | | 16 | | | | | |
| | | L | | 20,5 | | | | 17 | | | | | |
| | | M | | 31 44 | | | | 19 | | | | | |
| F | | 8,6 | | | | | | | | | | | |
| D=81°=9,000 kms. | | | | D=25 kms. | | | | | | | | | |
| h=40+50 kms. | | | | | | | | | | | | | |
| 202 | 12 | e | 19 18 7 | 18 | 208 | 15 | ePg | 22 26 13 | ráp | | | | |
| | | L | 20 12,2 | 27 | | | Sg | | 18 | 1 | | | |
| | | M | 19 36 | 24 | | | | | | 26,3 | | | |
| | | F | 20,9 | | | | | | | | | | |
| D=81°=9,000 kms. | | | | (D= 50 kms.) | | | | | | | | | |
| h=40+50 kms. | | | | | | | | | | | | | |
| 203 | 12 | 1P | 22 9 11 d | 3 | 209 | 16 | 1P | 5 50 44 d | 3 | | | | |
| | | FP | | | | | 1S | | 55 5 | 4 | | | |
| | | S | | 19 56 | | | | | | 46 35 | 14 | | |
| | | 1S | | 26 24 | | | | | | | | | |
| | | L | | 37,37,2 | | | | 18 | | | | | |
| | | M | | 52 26 | | | | 15 | | | | | |
| | | F | | 25,5 | | | | | | | | | |
| D=91°=10,110 kms. | | | | D=25°=2780 kms. | | | | | | | | | |
| | | | | Violento. | | | | | | | | | |
| 204 | 12 | 1P | 23 41 12 d | 3 | 210 | 16 | P | 19 51 11 | 3 | | | | |
| | | 1S | | | | | PeP | | 55 | " | | | |
| | | | | 51 2 | | | | 11 | PP | | 52 10 | 10 | |
| | | | | | | | | | | SS | | 57 36 | 16 |
| | | | | | | | | | | | L | | 59,7 |
| | | | | M | | 20 4 40 | | " | | | | | |
| | | | | | F | | | | | | | | |
| D=91°=10,110 kms. | | | | | | D=30°=3,330 kms. | | | | | | | |
| | | | | | | D=73°=8,100 kms.) | | | | | | | |
| | | | | | | Siguiendo. | | | | | | | |
| | | | | | | | | | | | | | |
| 204 | 12 | 1P | 23 41 12 d | 3 | 211 | 17 | F | 20 26 56 | 3 | | | | |
| | | 1S | | | | | S | | 36 26 | 6 | | | |
| | | | | | | | | LM | | 54,3 | 12 | | |
| | | | | | | | | | F | | 21,0 | | |

| Nº | Día | Fase | h. m. s. | T. | Nº | Día | Fase | h. m. s. | T. |
|---------------------------|-----|---|---|---|---|-----|--|---|---------------------------------------|
| 212 | 17 | SP S ISS L M F | 1 29 3 35 1 37 41 40,3 43 1 | 3 6 11 24 16 | 218 | 18 | Pg Cg F | 15 23 50 51 25,8 | ráp 1 |
| | | | | | D=5 kms. Réplica del anterior. | | | | |
| D=38°=4,200 kms. | | | | | 219 | 19 | P PP S L M F | 21 33 86 37 13 44 34 22 2,2 16 5 23,3 | d 2 3 10 30 21 |
| 213 | 17 | P P4 P38 P32 S4 M | 23 47 37 48 17 45 49 23 50 11 52 38 | 4 " " 5 10 12 | D=87°=9,670 kms. | | | | |
| 18 | | F | 0,9 | | 220 | 20 | SP S L M F | 2 58 33 3 0 57 2,0 3 22 5,2 | 2 12 18 12 |
| D=8°=920 kms. h=25kms. | | | | | D=8°=920 kms. Probable réplica del n°213. | | | | |
| 214 | 18 | L M F | 4 52,4 53 31 5,1 | 13 9 | 221 | 23 | ePKP cKP | 17 34 25 39 27 | 4 " |
| | | | | | (D=170°=19,100 kms.) Sin registro fotografico. | | | | |
| 215 | 18 | P PcP PP S IS G L M F | 6 19 33 47 22 25 29 58 30 32 39,8 46,1 49 46 | 4 6 4 18 21 24 " 17 | 222 | 24 | PKP PP SKS PPS SS L M F | 11 19 30 23 7 30 9 36 25 43 3 12 12,1 21 20 13,7 | e 3 " 13 " 14 24 22 |
| D=80°=8890 kms. | | | | | D=151°=15,780 kms. | | | | |
| 216 | 18 | SP PP ePP IS PS G L M F | 7 28 52 32 36 34 33 39 8 56 51,1 55,1 59 21 | 3 2 6 10 18 24 34 16 | 223 | 24 | L M F | 20 48,1 57 11 21,8 | 33 20 |
| D=82°=9,100 kms. | | | | | 224 | 25 | P PKI PP SKS SS IL M F | 16 55 20 58 26 59 13 17 8 16 19 41 34,1 41 19 20,1 | d 3 " 2 12 21 42 19 |
| 217 | 18 | Pg SS F | 15 23 31 32 23,6 | ráp 1 | D=130°=14,440 kms. | | | | |
| D=5 kms. | | | | | | | | | |



Observatorio de Cartuja
Granada

Boletín sísmico provisional. - Julio 1946

| Nº | Día | Fase | h. m. s. | T. | Nº | Día | Fase | h. m. s. | T. |
|-----|-----|--|--|--|----------------------------------|-----|-------------------------------|---|----------------------------|
| 225 | 26 | L H F | 5 6,1 15 47 5,6 | 18 18 | 233 | 27 | iP iS SS L M F | 16 33 14 39 15 41 44 45,0 49 43 18,3 | 3 9 13 21 17 |
| 226 | 26 | iP pP PP S PS SS SSS L M F | 6 57 17 57 30 7 0 44 7 42 8 29 13 26 16 53 25,9 37 10 8,8 | c 3 " 6 12 3 15 27 41 22 | 234 | 27 | PEP PP L M F | 22 2 14 5 50 23 0,5 10 5 0,1 | c 3 16 27 20 |
| | | | | | D=40°=4450 kms. | | | | |
| | | | | | (D=150°=16.700 kms.) | | | | |
| 227 | 26 | Pg Sg F | 8 5 14 15 5,3 | ráp 1 | 235 | 28 | Pg(1) Sg F | 2 47 13 15 47,4 | ráp 1 |
| | | | | | D=5 kms. | | | | |
| 228 | 26 | Pg Sg F | 8 5 42 44 | ráp 1 | 236 | 28 | L M F | 8 40,0 46 27 9,1 | 30 15 |
| | | | | | Siguiente. De 10 kms. | | | | |
| 229 | | Sg F | 8 5 48 5,8 | ráp | 237 | 28 | L M F | 23 13,3 30 15 23,7 | 24 18 |
| | | | | | D=5 kms. | | | | |
| 230 | 26 | iPEP PP eSKKS eSKSP SS SSS L M F | 22 52 37 56 20 23 4 25 7 25 16 11 21 35 59,2 7 8 | c 3 " 15 " 18 " 24 18 | 238 | 30 | L M F | 4 29,3 37 23 5,1 | 25 15 |
| | | | | | Siguiente. D=155°=17,000 kms. | | | | |
| 231 | 27 | iL M F | 0 37,2 44 12 1,8 ± | 35 16 | 239 | 30 | (S) L M F | 19 13 50 22,2 50 10 20,6 | 15 24 18 |
| | | | | | D=55°=6,100 kms. | | | | |
| 232 | 27 | ePg eSg F | 12 31 17 22 31,7 | ráp 1 | 240 | 31 | iP PPP S L M F | 0 58 32 42 9 46 18 54,4 1 3 56 1,7 | c 5 3 15 21 15 |
| | | | | | (D=50 kms.) | | | | |



Agitación microsísmica. - Junio.

| Fechas | Día | | Noche | |
|--------|------|---------|-------|---------|
| | T(s) | A(micr) | T(s) | A(micr) |
| 1-7 | 3-5 | 1-2 | 3-5 | 1-2 |
| 8-9 | " | 1 | " | 1 |
| 10 | " | 1-2 | 2-4 | 2-3 |
| 11-12 | 2-4 | 3-5 | " | " |
| 13 | 3-5 | 1-2 | 3-5 | 1-2 |
| 14 | 2-4 | 2-3 | 2-4 | 2-4 |
| 15 | 3-4 | " | 3-4 | 2-4 |
| 16 | 3-5 | 1-3 | 3-5 | 1-2 |
| 17-18 | 2-4 | 1 | 2-4 | 1 |
| 19-22 | 3-5 | 1-2 | 3-5 | 1-2 |
| 23 | 2-4 | " | 2-4 | " |
| 24 | 3-5 | 2-3 | 3-5 | 2-3 |
| 25 | " | " | " | 1-2 |
| 26 | " | 1-2 | " | " |
| 27 | 2-4 | " | 2-4 | " |
| 28-30 | 3-5 | " | 3-5 | " |

Julio

| | | | | |
|-------|-----|-------|-----|-------|
| 1-3 | 3-5 | 1-2 | 3-5 | 1-2 |
| 4-5 | 2-4 | 1 | 2-4 | 1 |
| 5 | " | 1-2 | " | 1-2 |
| 6 | " | 1 | " | 1 |
| 7-8 | 3-5 | 1-2 | 3-5 | 1-2 |
| 9 | " | " | " | 1 |
| 10 | 2-4 | 1 | 2-4 | " |
| 11-12 | 3-5 | " | 3-5 | " |
| 13 | " | 0,5-1 | " | 0,5-1 |
| 14 | 2-4 | 1-2 | 2-4 | 1-2 |
| 15 | 3-5 | 1 | 3-5 | 1 |
| 16-17 | " | 1-2 | " | 1-2 |
| 18 | " | 1 | " | 1 |
| 19 | 2-4 | 1-2 | 2-4 | 1-2 |
| 20 | 3-5 | 1 | 3-5 | 1 |
| 21-22 | 2-4 | " | 2-4 | " |
| 23-24 | " | 1-2 | " | 1-2 |
| 25-26 | 3-5 | " | 3-5 | 1-2 |
| 29-31 | 2-4 | " | 2-4 | " |

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El Director:

Antonio Duc S.Y.

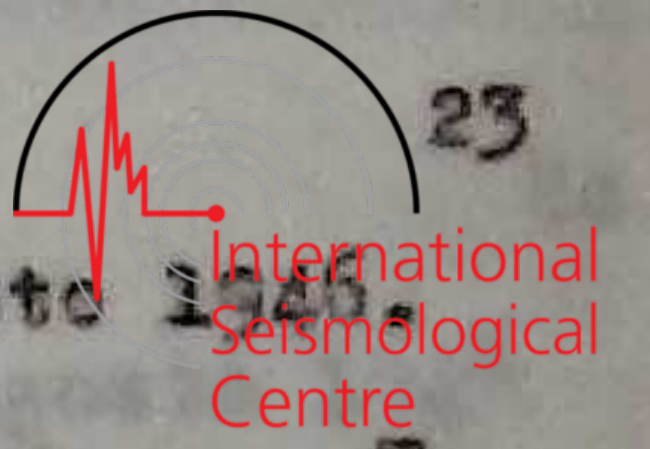


Observatorio de Cartuja
Granada

Boletín sísmico provisional. - Agosto 1946



| Nº | Día | Fase | h. m. s. | T. | Nº | Día | Fase | h. m. s. | T. |
|-----|-----|--|--|---|-----|-----|--|---|--|
| 241 | 1 | LM F | 16 5,9 16,4 | 21 | 247 | 3 | 1Pz eSKKS SS ePS SS G L M F | 13 24 2 4 34 20 35 20 37 29 42 23 57,1 14 1,3 11 43 14,9 | 4 12 15 17 12 32 19 16 |
| 242 | 1 | LM F | 21 29,2 21,8 | 24 | | | | | |
| 243 | 2 | e(S) 1 L M F | 2 1 19 44 25,5 31 59 3,4 | 12 " 24 21 | | | | | |
| 244 | 2 | P P2 P3 P5 1S S4 S5 F | 18 35 46 49 58 36 9 16 34 47 37,6 | 3 " " " " " " | 248 | 4 | PG SG F | 11 46 25 28 46,7 | ráp 1 |
| | | | D= 160 kms. h=25 kms. | | | | | D=20 kms. | |
| 245 | 2 | 1Pz pP 1PP pPP sPP PPP SKS 1S P8 SS SSS G 1L M eL L2 M2 F | 19 31 46 32 1 35 12 31 48 37 8 41 55 42 12 43 9 47 19 48 22 57,2 20 3,2 8 48 21 0,6 31,1 39 38 | 3 4 2 3 " 5 12 21 18 16 " 38 27 22 30 22 21 | 249 | 4 | 1Pz e S L M F | 15 49 38 57 48 58 26 16 9,6 17 20 17,6 | a 3 7 " 21 18 |
| | | | Siguiente. D=86°=9,560 kms. h=40+30 kms. | | 250 | 4 | 1Pz pP 1eP PP PPP 1S PS SS ScS SS SSS 1L L M F | 18 1 8 25 50 3 20 5 8 9 38 10 11 21 11 20 13 44 15 7 18,2 19,6 24 56 | e 3 5 6 5 " 20 10 9 13 10 30 " " 19 |
| | | | | | | | | Siguiente. D=54°=7,110 kms. h=40+40 kms. | |
| | | | | | | | | Muy violento; destructor en Santo Domingo. | |
| 246 | 2 | (S) L M | 23 31 31 46,1 58 33 | 17 24 20 | 251 | 4 | P S | 18 31 7 39 20 | 3 15 |
| | | | Probable réplica del anterior. | | | | | Réplica 1ª, fases restantes confundidas con las del anterior. | |
| | | | | | 252 | 4 | P S | 19 43 57 52 17 | 3 10 |
| | | | | | | | | Réplica 2ª. | |



2772/197 DEC. 1946

| Nº | Día | Fase | h. m. s. | T. | Nº | Día | Fase | h. m. s. | T. |
|-----|-----|------|----------------------------|-----|---|-----|-------|-----------------------------|-----|
| 253 | 4 | P | 19 3 34 | 3 | las 18 horas del día 6 falta el registro en la componente vertical. | | | | |
| | | | Réplica 3ª. | | | | | | |
| 254 | 4 | 1Pz | 21 3 41 | c 3 | 262 | 5 | IM | 14 30,3 | 25 |
| | | pP | 54 | " | | | F | 15,3 | |
| | | PcP | 4 24 | " | 263 | 5 | Pg | 14 51 50 | ráp |
| | | 1S | 12 20 | 15 | | | 18g | 54 | 1 |
| | | L | 20,0 | 27 | | | F | 52,2 | |
| | | M | 33 18 | 20 | | | | D=30 kms. | |
| | | F | siguiente. | | 264 | 5 | IM | 15 35,3 | 20 |
| | | | Réplica 4ª. | | | | F | 16,5 | |
| 255 | 4 | 1Pz | 21 59 56 | c 5 | 265 | 6 | 1PKP | 3 7 38 | 3 |
| | | PcP | 22 0 46 | " | | | pPKP | 8 18 | " |
| | | PP | 2 45 | 3 | | | (PP) | 9 21 | 4 |
| | | S | 7 59 | 4 | | | (SKP) | 10 43 | 6 |
| | | LM | 18,0 | 24 | | | SKKS | 16 1 | 15 |
| | | F | 23,9 | | | | SS | 25 43 | 12 |
| | | | Réplica 5ª. | | | | L | 4 3,6 | 27 |
| 256 | 5 | L | 0 21,9 | 24 | | | M | 16 25 | 18 |
| | | M | 24 16 | 20 | | | F | 5,8 | |
| | | F | siguiente. | | | | | (D=124°=13,800 kms.) | |
| 257 | 5 | L | 1 20,5 | 30 | 266 | 6 | S | 6 15 29 | 11 |
| | | M | 24 0 | 20 | | | L | 25,6 | 24 |
| | | F | 1,9 | | | | M | 30 16 | 18 |
| 258 | 5 | L | 3 9,8 | 30 | | | F | 7,9 | |
| | | M | 12 46 | 19 | | | | Probable réplica del nº250. | |
| | | F | siguiente. | | 267 | 6 | L | 16 44, 1 | 27 |
| 259 | 5 | eP | 3 48 34 | 3 | | | M | 47 25 | 21 |
| | | L | 4 5,8 | 27 | | | F | 17,8 | |
| | | M | 9 58 | 17 | 268 | 7 | IM | 6 2,8 | 24 |
| | | F | 5,8 | | | | F | 6,5 | |
| | | | Probable réplica 6ª. | | 269 | 7 | P | 18 37 33 | c 3 |
| 260 | 5 | L | 6 10,3 | 27 | | | PcP | 38 13 | " |
| | | M | 14 13 | 18 | | | S | 44 45 | 17 |
| | | F | 6,7 | | | | ScS | 46 24 | 18 |
| 261 | 5 | P | 12 43 19 | 6 | | | SSS | 50 30 | 12 |
| | | S | 51 19 | 16 | | | L | 54,7 | 27 |
| | | L | 13 1,6 | 25 | | | M | 58 0 | 20 |
| | | M | 7 42 | 18 | | | F | siguiente. | |
| | | F | 13,9 | | | | | D=60°=6,600 kms. | |
| | | | D=59°=6,400 kms. | | | | | | |
| | | | Desde este terremoto hasta | | | | | | |

| Nº | Día | Fase | h. | m. | s. | T. | Nº | Día | Fase | h. | m. | s. | T. | | |
|---|-----|-------------------|----|------|----|-----|------------------------------|-----|---|----|------|----|-----|----|-----|
| 270 | 7 | 1Pz | 19 | 31 | 38 | c 5 | 276 | 8 | 1Pz | 17 | 34 | 15 | o 3 | | |
| | | PcP | | 32 | 17 | " | | | PcP | | 35 | 7 | 9 | | |
| | | PP | | 34 | 3 | 4 | | | PP | | 38 | 1 | 6 | | |
| | | S | | 39 | 54 | 19 | | | PSS | | | 46 | 18 | | |
| | | ScS | | 41 | 27 | 8 | | | S | | 42 | 23 | 8 | | |
| | | SSS | | 46 | 50 | 15 | | | ScS | | 44 | 15 | 15 | | |
| | | ISS | | 49,9 | | 30 | | | SS | | 46 | 15 | " | | |
| | | M | | 55 | 6 | 21 | | | L | | 52,9 | | 21 | | |
| F Siguiendo. | | | | | | | M 55 37 18 | | | | | | | | |
| D=60±8,600 kms. | | | | | | | D=59±6,500 kms. | | | | | | | | |
| 271 | 7 | P | 19 | 44 | 33 | d 4 | 277 | 8 | 1Pz | 19 | 38 | 34 | 3 | | |
| | | pP | | | 51 | 3 | | | Fases restantes confundidas con las del anterior. | | | | | | |
| | | PcP | | 46 | 9 | " | | | | | | | | | |
| | | eS | | 55 | 57 | 8 | | | | | | | | | |
| Fases restantes confundidas con las del anterior. | | | | | | | 278 9 SG 18 17 29 róp | | | | | | | | |
| D=98±10,900 kms. | | | | | | | F 17,6 Sacudida local débil. | | | | | | | | |
| 272 | 7 | L | 21 | 55,6 | | 26 | 279 | 9 | 1Pz | 20 | 15 | 41 | c 3 | | |
| | | M | | 39 | 45 | 21 | | | pP | | | 59 | " | | |
| | | F | | 21,6 | | | | | PcP | | 17 | 38 | 6 | | |
| 273 | 7 | eP | 25 | 3 | 40 | 4 | 280 | 9 | 1 | 21 | 3 | 24 | 3 | | |
| | | eS | | 12 | 26 | 9 | | | 1 | | | 55 | 2 | | |
| | | L | | 22,1 | | 29 | | | Sin registro horizontal. | | | | | | |
| | | M | | 25 | 55 | 18 | | | 281 | 10 | 1Pz | 2 | 20 | 36 | c 3 |
| | | F | | 24,4 | | | | | | | PcP | | 21 | 37 | " |
| | | (D=63±7,000 kms.) | | | | | | | | | | PP | | 23 | 6 |
| Probable réplica del nº 250. | | | | | | | S | | | | 28 | 57 | 10 | | |
| 274 | 8 | LM | 2 | 15,9 | | 24 | ScS | | | | 29 | 24 | 6 | | |
| | | F | | 2,5 | | | L | | | | 39,4 | | 27 | | |
| D=61±6,788 kms. | | | | | | | M 43 57 12 | | | | | | | | |
| h=40±60 kms. | | | | | | | F 3,8 D=59±6,500 kms. | | | | | | | | |
| 275 | 8 | 1Pz | 13 | 38 | 39 | o 4 | 282 | 10 | 1Pz | 2 | 20 | 36 | c 3 | | |
| | | pP | | 39 | 6 | 5 | | | PcP | | 21 | 37 | " | | |
| | | PcP | | | 25 | 6 | | | PP | | 23 | 6 | " | | |
| | | PcS | | 43 | 18 | 7 | | | S | | 28 | 57 | 10 | | |
| | | IS | | 46 | 45 | 9 | | | ScS | | 29 | 24 | 6 | | |
| | | PS | | 47 | 21 | 12 | | | L | | 39,4 | | 27 | | |
| | | SS | | | 50 | 10 | | | M | | 43 | 57 | 12 | | |
| | | ScS | | 48 | 40 | 8 | | | F 3,8 D=59±6,500 kms. | | | | | | |
| | | S | | 53,4 | | 39 | | | | | | | | | |
| | | L | | 56,9 | | 25 | | | | | | | | | |
| | | M | 14 | 4 | 26 | 15 | | | | | | | | | |
| F Siguiendo. | | | | | | | | | | | | | | | |
| D=60±6,600 kms. | | | | | | | | | | | | | | | |
| h=40±50 kms. | | | | | | | | | | | | | | | |

Observatorio de Cartuja
Granada

Boletín sísmico provisional.- Agosto 1946.

| Nº | Día | Fase | h. | m. | s. | T. | Nº | Día | Fase | h. | m. | s. | T. | | |
|--|-----|--|----|------|-------------------|-----|-----------------|-----|----------|-----|----------|------|------|----|----|
| 282 | 10 | 1Pz | 9 | 10 | 18 | e 3 | 288 | 14 | Pg | 4 | 16 | 58 | ráp | | |
| | | PP | | | 45 | " | | | Sg | | | 59 | 1 | | |
| | | eS | | 18 | 51 | 15 | | | F | | | 17,1 | | | |
| | | sS | | 19 | 53 | 9 | | | D=5 kms. | | | | | | |
| | | SSS | | 23 | 18 | 18 | | | 289 | 14 | L | 10 | 33,2 | 30 | |
| | | L | | 28,3 | | 24 | | | | | M | | 44 | 33 | 19 |
| | | M | | 34 | 0 | 18 | | | | | F | | 11,2 | | |
| | | F | | 10,2 | | | | | | | D=5 kms. | | | | |
| D=59±6,560 kms h=40±50 kms. | | | | | | | | | | | | | | | |
| 283 | 10 | P | 11 | 56 | 5 | 3 | 290 | 15 | 1PKP1 | 15 | 44 | 9 | 6 | | |
| | | PeP | | | 51 | " | | | PKP2 | | | 45 | 8 | 5 | |
| Fases restantes perdi- das entre F. M. de largo pe- riodo. | | | | | | SKP | | | | | 48 | 1 | 14 | | |
| 284 | 11 | 1PKP | 2 | 13 | 53 | 3 | | | 1FP | | | | 53 | 6 | |
| | | PKP | | 14 | 6 | " | | | PPP | | | 53 | 13 | 13 | |
| | | SKP | | 17 | 47 | 6 | | | SKKS | | | 55 | 49 | 9 | |
| | | PPP | | 20 | 24 | 3 | | | SKSP | | | 59 | 39 | 11 | |
| | | SKKS | | 21 | 6 | 12 | | | FRS | 16 | 4 | 7 | 8 | | |
| | | SKSP | | 23 | 51 | " | | | SS | | 9 | 40 | 13 | | |
| | | SKSP | | 27 | 6 | 7 | | | SSP | | 10 | 55 | 9 | | |
| | | FRS | | 30 | 12 | 15 | | | SSS | | 15 | 52 | 20 | | |
| | | SS | | 34 | 42 | 11 | L | | 44,2 | 36 | | | | | |
| | | SSP | | 36 | 12 | 13 | M | | 59 | 7 | 18 | | | | |
| SSS | | 40 | 59 | 20 | F | | 19,3 | | | | | | | | |
| G | | 59,2 | | 48 | D=166±18,450 kms. | | | | | | | | | | |
| L | 3 | 0,7 | | 42 | 291 | 15 | 1Pz | 19 | 35 | 35 | 3 | | | | |
| M | | 14 | 0 | 20 | | | PeP | | | 43 | " | | | | |
| M2 | | 42,4 | | 18 | | | eS | | 45 | 14 | 12 | | | | |
| F | | 5,8 | | | | | SS | | 50 | 6 | 10 | | | | |
| D=146±16,220 kms. h=40±100 kms. | | | | | | | L | 20 | 1,3 | 27 | | | | | |
| Faltó el registro en la com- ponente vertical. | | | | | | M | | 7 | 20 | 15 | | | | | |
| 285 | 12 | LM | 3 | 4,1 | | 22 | F | | 21,7 | | | | | | |
| | | F | | 3,5 | | | D=81±9,000 kms. | | | | | | | | |
| 286 | 13 | Pg | 15 | 30 | 47 | ráp | 292 | 16 | L | 17 | 54,5 | 24 | | | |
| | | Sg | | | 46 | 1 | | | M | | 58 | 53 | 21 | | |
| | | F | | 30,9 | | | | | F | | 18,5 | | | | |
| D=5 kms. | | | | | | | | | | | | | | | |
| 287 | 14 | LM | 1 | 26,2 | | 21 | 293 | 17 | Pg | 4 | 11 | 5 | ráp | | |
| | | F | | 1,9 | | | | | Sg | | | 6 | 1 | | |
| 289 | 14 | Fases restantes perdi- das entre F.M. de periodo lento D=40±4,440 kms. | | | | | | | F | | 11,2 | | | | |
| | | 294 | 17 | 1Pz | 9 | 55 | | | 37 | e 5 | D=5 kms. | | | | |
| | | | | PeP | | | | | 57 | 46 | 4 | | | | |
| | | | | LS | 10 | 1 | | | 47 | 9 | | | | | |

Observatorio de Cartuja
Granada

Boletín sísmico provisional.- Agosto 1946.

| Nº | Día | Fase | h. m. s. | T. | Nº | Día | fase | h. m. ss. | T. |
|-----|-----|-------|----------------------------------|----|-----|-----|--|--|----|
| 295 | 17 | 1P | 23 45 4 | 3 | 300 | 21 | PPS | 18 39 7 | 4 |
| | | PoP | 46 46 | " | | | SS | 45 46 | 15 |
| | | 1S | 51 12 | 26 | | | S | 19 21,4 | 33 |
| | | 1SS | 53 54 | 16 | | | L | 24,8 | 23 |
| | | L | 56,3 | 25 | | | Maximos poco amplias superpuestas al siguiente. | | |
| | | M | 24 1 10 | 16 | | | D=160°=17,780 kms, h=40+100 kms. | | |
| | 18 | F | 1,8 | | | | | | |
| | | | D=40°=4,440 kms. | | | | | | |
| 296 | 18 | LM | 2 46,8 | 24 | 301 | 21 | 1Pz | 19 27 49 | 3 |
| | | F | 3,1 | | | | ipP | 28 14 | 4 |
| 297 | 19 | LM | 21 292,9 | 28 | | | PoP | 40 | 3 |
| | | F | 22,1 | | | | PP | 30 21 | 4 |
| 298 | 20 | 1Pz | 17 30 59 | 3 | | | PPF | 31 34 | " |
| | | pP | 31 18 | " | | | PoS | 32 28 | 9 |
| | | PP | 36 | " | | | 1S | 36 7 | 15 |
| | | pPP | 48 | " | | | 1S | 43 | " |
| | | 1S | 34 28 | 6 | | | SS | 37 12 | 13 |
| | | SS | 35 18 | 3 | | | SoS | 54 | 10 |
| | | L | 36,3 | 27 | | | SS | 40 23 | 19 |
| | | M | 38 10 | 15 | | | SSS | 43 14 | 15 |
| | | F | 18,5 | | | | L | 45,7 | 20 |
| | | | D=20°=2,220 kms, h=40+50 kms. | | | | M | 51 29 | 18 |
| 299 | 20 | ePKP | 22 39 10 | 3 | | | L2 | 21 32,6 | 18 |
| | | PP | 40 55 | " | | | M2 | 42 25 | 16 |
| | | 1S | 51 10 | 15 | | | M3 | 22 34,1 | 16 |
| | | SS | 38 36 | " | | | F | Siguiendo, D=63°=7,000 kms, h=40+80 kms. | |
| | | L | 23 19,6 | 36 | 302 | 21 | L | 22 20,7 | 27 |
| | | M | 33 55 | 20 | | | M | 25 54 | 15 |
| | | F | 24,5 | | | | F | 23,4 | |
| | | | D=126°=14,000 kms. | | 303 | 22 | L | 2 8,2 | 24 |
| 300 | 21 | 1PKP1 | 18 21 15 | 3 | | | M | 16 19 | 19 |
| | | pPKP1 | 43 | " | | | F | 2,6 | |
| | | 1PKP2 | 22 12 | " | 304 | 24 | L | 0 50,6 | 18 |
| | | 1SKP | 24 57 | " | | | M | 1 4 28 | 15 |
| | | 1PP | 25 34 | 4 | | | F | 1,5 | |
| | | SSKP | 40 | " | 305 | 24 | L | 3 12,7 | 21 |
| | | pPB | 26 4 | 5 | | | M | 25 45 | " |
| | | SKS | 27 49 | 12 | | | F | 3,3 | |
| | | sSKS | 28 36 | 3 | | | | | |
| | | PPP | 29 14 | 6 | | | | | |
| | | pPPP | 59 | 3 | | | | | |
| | | sSKS | 32 5 | 14 | | | | | |
| | | sSKS | 52 | 9 | | | | | |
| | | SKSP | 35 58 | 13 | | | | | |
| | | sSKSP | 36 42 | 6 | | | | | |

Observatorio de Cartuja
Granada

Boletín sísmico provisional. - Agosto 1946.

| NN: | Dia | Fase | h. m. s. | | | T. | Agitacion microsismica | | | | |
|-----|-----|------------------|----------|---------------------|----|-------|------------------------|-----|-------|------|---------|
| | | | h. | m. | s. | | Fechas | Dia | Noche | T(s) | A(mier) |
| 306 | 24 | iPz | 14 | 28 | 29 | c 4 | | | | | |
| | | pP | | | 56 | 3 | | | | | |
| | | PcP | | 29 | 16 | " | | | | | |
| | | ePP | | 30 | 46 | " | 1-2 | 2-4 | 1 | 2-4 | 1 |
| | | iS | | 36 | 38 | 12 | 3-5 | " | 0,5-1 | " | 0,5-1 |
| | | eSS | | 41 | 1 | 13 | 6 | " | 1 | " | 1 |
| | | iL | | 46 | 49 | 23 | 7-8 | 3-5 | " | 3-5 | " |
| | | M | | 50 | 14 | 21 | 9-12 | " | 1-2 | " | 1-2 |
| | | L2 | 16 | 29,2 | 25 | 15-16 | 2-4 | " | 2-4 | " | " |
| | | M2 | | 39 | 56 | 21 | 17-18 | " | " | " | 2-4 |
| | | F | | 17,8 | | | 19 | " | " | " | 1-2 |
| | | | | D=63°=7,000 kms. | | | 20 | " | 1-2 | " | 1 |
| | | | | h=40+80 kms. | | | 21 | " | " | " | 1-2 |
| | | | | Réplica del nº 301. | | | 22 | " | 2-4 | " | 3-4 |
| 307 | 28 | L | 3 | 10,4 | 26 | 24 | " | 1 | " | " | |
| | | M | | 18 | 18 | 19 | 25-26 | " | " | " | 1 |
| | | F | | 4,0 | | | 27-29 | " | 3-4 | " | 2-3 |
| | | | | | | | 30 | " | 1-2 | " | 1-2 |
| | | | | | | | 31 | " | " | " | 1 |
| | | | | | | | | | | | |
| 308 | 28 | L | 21 | 32,5 | 32 | | | | | | |
| | | M | | 40 | 13 | 22 | | | | | |
| | | F | | siguiente | | | | | | | |
| 309 | 28 | iPz | 22 | 39 | 51 | c 3 | | | | | |
| | | pP | | 40 | 15 | 4 | | | | | |
| | | PcP | | | 23 | " | | | | | |
| | | pPcP | | | 50 | " | | | | | |
| | | iPP | | 42 | 17 | " | | | | | |
| | | pPP | | | 34 | " | | | | | |
| | | PPF | | 44 | 5 | 3 | | | | | |
| | | iS | | 48 | 29 | 12 | | | | | |
| | | sS | | 49 | 19 | 6 | | | | | |
| | | SsS | | | 57 | 14 | | | | | |
| | | SS | | 52 | 14 | 13 | | | | | |
| | | SSS | | 53 | 17 | " | | | | | |
| | | L | | 59,5 | 21 | | | | | | |
| | | M | 23 | 2 | 32 | 16 | | | | | |
| F | | 24,1 | | | | | | | | | |
| | | D=66°=7,330 kms. | | | | | | | | | |
| | | h=40+80 kms. | | | | | | | | | |
| 310 | 10 | L | 0 | 20,5 | 27 | | | | | | |
| | | M | | 25 | 54 | 21 | | | | | |
| | | F | | 1,1 | | | | | | | |

El Director:

Antonio Duc S.Y.



| Nº | Día | Fase | h. m. s. | T. | Nº | Día | Fase | h. m. s. | T. |
|----------------------------------|------|------|----------|------|------------------|-----|-----------------------|------------|-----|
| 311 | 6 | iP | 8 10 10 | 3 | 316 | 11 | iS | 10 11 12 | 13 |
| | | F3 | 18 | " | | | iSS | 15 1 | 14 |
| | | S2 | 41 | 5 | | | iL | 20,0 | 31 |
| | | S | 11 18 | 4 | | | M | 22 29 | 13 |
| | | F | 13,5 | | | | F | 12,2 | |
| D=140 kms.h=25 kms. | | | | | D=49°=5,450 kms. | | | | |
| Sentido en Moron de la | | | | | h=30 kms. | | | | |
| Frontera, grado LLI. | | | | | | | | | |
| 312 | 6 | iL | 22 17,9 | 25 | 317 | 11 | eL | 14 17,1 | 27 |
| | | M | 32 2 | 21 | | | M | 23 4 | 17 |
| | | F | 23,2 | | | | F | 15,5 | |
| 313 | 9 | eP | 10 54 11 | 3 | 318 | 12 | iPKF | 14 15 13 | c 3 |
| | | pP | 38 | " | | | FP | 17 27 | " |
| | | ePP | 58 40 | " | | | SKKS | 23 51 | 16 |
| | | ePPP | 11 1 17 | " | | | PS | 27 52 | 12 |
| | | SKS | 4 47 | 14 | | | SS | 35 34 | 13 |
| | | FS | 7 52 | 12 | | | eL | 15 35,8 | 30 |
| | | SS | 12 46 | 18 | | | M | 19 10 | 19 |
| | | L | 28,3 | 33 | | | F | Siguiente. | |
| | | M | 39 29 | 17 | | | D=132°=14,670 kms. | | |
| | | F | 12,8 | | | | | | |
| D=86°=9,560 kms. | | | | | | | | | |
| h=40+60 kms | | | | | | | | | |
| 314 | 9 | Pn | 17 28 4 | 3 | 319 | 12 | iPz | 15 29 46 | d 3 |
| | | F | 21 | " | | | pP | 30 37 | " |
| | | P2S | 29 3 | " | | | sP | 29 | " |
| | | FS | 21 | " | | | FP | 33 16 | " |
| | | iS | 28 | 6 | | | pPP | 38 | " |
| | | S3 | 33 | " | | | FPP | 35 32 | " |
| | | S4 | 38 | 4 | | | pPFP | 36 12 | " |
| | | S5 | 45 | 2 | | | iSKS | 40 1 | 9 |
| | | iL | 30,3 | 10 | | | S | 51 | 10 |
| | | M | 36 | 12 | | | sS | 41 33 | " |
| F | 18,5 | | iSS | 47 3 | 9 | | | | |
| D=540 kms.h=25 kms. | | | | | L 16 3,7 40 | | | | |
| Epicentro cercano a | | | | | M 12 33 16 | | | | |
| Argel, hacia los 35°,5 N-2°,0 E. | | | | | W2 17 40,1 24 | | | | |
| | | | | | M2 45 36 21 | | | | |
| | | | | | W3 19 19,2 17 | | | | |
| | | | | | F Siguiente. | | | | |
| | | | | | D=83°=9,330 kms. | | | | |
| | | | | | h=40+40 kms. | | | | |
| 315 | 11 | L | 2 45,1 | 24 | 320 | 12 | P | 16 2 52 | d 4 |
| | | M | 50 16 | 15 | | | S | 13 56 | 5 |
| | | F | 3,4 | | | | Réplica del anterior. | | |
| 316 | 11 | iPz | 10 4 15 | c 3 | 321 | 12 | iPz | 17 49 45 | c 3 |
| | | ipP | 22 | " | | | S | 57 48 | 7 |
| | | iPP | 6 22 | " | | | L | 18 6,1 | 33 |
| | | FS | 9 20 | " | | | M | 10 4 | 20 |
| D=91°=10 kms. | | | | | F Siguiente. | | | | |
| h=40+40 kms. | | | | | D=59°=6,560 kms. | | | | |

Observatorio de Cartuja
Granada

Boletín sísmico provisional. - Septiembre 1948

| Nº | Día | Fase | h. m. s. | T/ | Nº | Día | Fase | h. m. s. | T. |
|-----|-----|---|---|---------------------------------------|-----|-----|--|---|--|
| 333 | 15 | L M F | 8 8,1 9 16 | 21 18 | 342 | 20 | L M F | 2 59,9 3 5 6 3,4 | 24 18 |
| | | F Siguiete. | | | | | | | |
| 334 | 15 | L M F | 8 43,1 48 9 9,1 | 27 16 | 343 | 21 | ePKP 1PP pPP SKKS eSS eSSS L M F | 21 52 27 54 48 55 1 22 1 54 12 51 19 9 50,0 54 9 23,4 | 3 4 " 12 15 18 22 21 |
| 335 | 15 | 1P PP eS SS L M F | 16 3 38 6 30 13 21 17 50 30,1 35 6 17,5 | c 3 " 11 12 28 18 | | | | | |
| | | D=74°=8,200 kms. | | | | | | | |
| 336 | 15 | 1(P) | 16 20 14 | 3 | 344 | 22 | 1Pg Sg F | 10 49 17 19 49,6 | ráp 1 |
| | | Fases restantes confundidas con las del anterior. | | | | | | | |
| 337 | 16 | eL M F | 2 8,2 13 22 2,5 | 27 18 | 345 | 23 | 1PKP pPKP pPKP2 1PP pPP PPP ePPS L M F | 22 13 27 47 14 23 17 32 18 6 21 0 31 38 23 19,2 33 12 | B 3 " " " " 17 30 23 |
| 338 | 18 | 1Fz pP ePP eS SS SSS LM F | 2 21 59 22 11 25 29 32 38 38 1 42 47 53 15 4,0 | c 3 " " 16 17 16 30 | | | | | |
| | | D=88°=9,800 kms. h=40+0 kms. | | | | | | | |
| 339 | 19 | L M F | 0 34,5 43 14 1,5 | 20 18 | 346 | 23 | 1PKP pPKP SKP 1PP pPP SKS SKKS SKSP PPS L M F | 23 49 16 50 5 52 8 41 53 21 55 44 59 26 0 2 11 5 17 41,3 50 55 2,5 | c 3 " " " 6 4 6 9 42 19 |
| 340 | 19 | ePg 1Sg F | 7 47 55 57 48,2 | ráp 1 | | 24 | | | |
| | | D=12 kms. | | | | | | | |
| 341 | 19 | 1L M F | 7 22,1 27 46 8,1 | 21 21 | | | | | |
| | | D=149°=16,560 kms. h=40+160 kms. | | | | | | | |



| Nº | Día | Fase | h. m. s. | T. | Nº | Día | Fase | h. m. s. | T. |
|--|-------|------------------|------------|-----|-----|-----|---|----------|-----|
| 347 | 24 | F | 21 27 20 | 3 | 352 | 28 | 1PKP | 3 21 29 | c 3 |
| | | PS | | " | | | pPKP | 22 23 | " |
| | | P2S | | " | | | iPP | 24 51 | " |
| | | P5 | | " | | | ipPP | 25 29 | " |
| | | S | | " | | | PPP | 28 19 | 9 |
| | | S3 | 28 1 | " | | | SKKS | 31 45 | 13 |
| | | S4 | | " | | | SKSP | 35 0 | 9 |
| | | PS4 | | " | | | SS | 43 27 | 18 |
| | | S5 | | " | | | G | 4 1,0 | 60 |
| | | F | 29,3 | " | | | L | 7,3 | 45 |
| D=260 kms h=25 kms. | | | | | | | M | 27 6 | 23 |
| | | | | | | | F | 7,5 | |
| | | | | | | | D=143°=15,890 kms. h=40+160 kms. | | |
| 48 | 25 | P | 10 15 52 | 4 | 353 | 29 | 1Pz | 20 31 23 | d 3 |
| | | PcP | | " | | | iPcP | 37 | " |
| | | FP | | " | | | FP | 34 36 | " |
| | | PPP | | 5 | | | FPP | 36 0 | " |
| | | S | | 6 | | | eS | 41 39 | 12 |
| | | SS | | 18 | | | LM | 58 12 | " |
| | | LM | | | | | (D=80°=8,900 kms.) Perturbado por F.M. de periodo lento. | | |
| F | 11,1 | | | | | | | | |
| D=60°=6,660 kms. Sin registro fotografica. | | | | | | | | | |
| 349 | 26 | iPKP | 11 12 16 | c 3 | 354 | 30 | 1Pz | 1 12 10 | c 3 |
| | | pPKP | | " | | | PcP | 23 | " |
| | | FKP ₂ | 13 22 | " | | | pP | 31 | " |
| | | iSKP | 15 49 | " | | | pPcP | 43 | " |
| | | iPP | 17 16 | " | | | sP | 13 4 | " |
| | | SKS | 19 23 | 8 | | | PP | 15 1 | " |
| | | pPPP | 21 44 | 3 | | | PPP | 17 25 | " |
| | | SKKS | 23 45 | 8 | | | pPPP | 49 | " |
| | | sSKKS | 24 55 | 3 | | | iS | 22 24 | 12 |
| SKSP | 27 53 | 6 | sS | 55 | 6 | | | | |
| D=168°=18,670 kms. h=40+60 kms. | | | | | | | SS | 27 48 | 15 |
| Fases restantes indes- cifrables por F.M. de periodo lento. | | | | | | | L | 41,6 | 34 |
| | | | | | | | M | 48 22 | 18 |
| | | | | | | | F | 2,4 | |
| | | | | | | | D=83°=9,220 kms. h=40+50 kms. | | |
| 350 | 27 | iFz | 16 17 42 | d 3 | 355 | 30 | 1Fz | 11 41 10 | d 3 |
| | | 1 | 18 7 | " | | | PcP | 22 | " |
| | | 1 | 19 58 | " | | | pP | 50 | " |
| Sin registro horizontal. | | | | | | | pPcP | 42 7 | " |
| 351 | 27 | e(s) | 20 28 13 | 6 | | | sP | 37 | " |
| | | L | 37,7 | 18 | | | FP | 43 21 | " |
| | | FM | 21,9 43 19 | 15 | | | | | |

| Nº | Dia | Fase | h. m. s. | | | T. | Agitacion microsismica | | | | | |
|-----|-----|-------------------|----------|------------|----|----|------------------------|------|---------|------|---------|---|
| | | | h. | m. | s. | | Fechas | T(s) | A(mier) | T(s) | A(mier) | |
| 355 | 30 | PPP | 11 | 43 | 46 | 3 | 16-19 | 3-5 | 1-2 | 3-5 | 1-2 | |
| | | SPP | | 44 | 40 | 4 | 20-21 | " | 2-3 | " | 2-3 | |
| | | PPP | | 46 | 13 | " | 22 | 2-4 | 1-3 | 2-4 | 1-2 | |
| | | IS | | 50 | 55 | 6 | 23 | 3-5 | 1 | 4+6 | 1 | |
| | | SS | | 51 | 45 | 5 | 24 | 4-6 | " | " | " | |
| | | SS | | 55 | 42 | 7 | 25 | 2-4 | " | 2-4 | " | |
| | | L | 12 | 7,5 | | 36 | 26 | " | " | " | 1-2 | |
| | | M | | 14 | 41 | 20 | 27 | 3-5 | 1-2 | " | 1 | |
| | | F | 12,9 | entre P.M. | | | 28 | " | 2-3 | 2-4 | 1-2 | |
| | | de largo periodo. | | | | | | 29 | " | 1-2 | 3-5 | " |
| | | D=77°=8,560 kms. | | | | | | 30 | " | " | " | 1 |
| | | h=40+150 kms. | | | | | | | | | | |

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Agitacion microsismica.

| Fechas | Dia | | Noche | |
|----------------|------|---------|-------|---------|
| | T(s) | A(mier) | T(s) | A(mier) |
| 1 | 1-2 | 1-2 | 1-2 | 3-4 |
| 2 ^a | " | 1 | " | " |
| 3 | 2-3 | 2-3 | " | 2-3 |
| 4 | 1-2 | " | " | " |
| 5 | 3-5 | 1-2 | 1 | 2-4 |
| 6 | 1-2 | 2-3 | 1-2 | 1-2 |
| 7 | 3-5 | " | 3-5 | " |
| 8 | " | 1-2 | " | " |
| 9 | " | 1 | 2-3 | 1 |
| 10 | 2-3 | " | " | " |
| 11 | 2-4 | " | " | " |
| 12 | 3-5 | 1-2 | 2-4 | " |
| 13 | 4-5 | 1 | 4+5 | 1-2 |
| 14 | " | " | " | 1 |
| 15 | 2-3 | 1-2 | 3-5 | 1-2 |

El Director:

Antonio Duc S.Y.



recomendamos que se eviten confusiones con los datos del anterior, del que es réplica.

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|------|----|----|-----|----|
| 356 | 2 | Pn | 3 | 3 | 56 | 3 |
| | | iF | | 4 | 8 | " |
| | | P3 | | | 8 | " |
| | | P4 | | | 13 | " |
| | | P5 | | | 19 | " |
| | | PS | | | 23 | " |
| | | P2S2 | | | 29 | " |
| | | iS | | | 35 | " |
| | | S2 | | | 40 | " |
| | | S3 | | | 44 | " |
| | | S4 | | | 54 | " |
| | | S5 | | | 5 5 | " |
| | | F | | | 6,4 | " |

D=270 kms.
h=25 kms.

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|------|----|------|----|-----|
| 357 | 2 | iPz | 4 | 59 | 11 | c 3 |
| | | pP | | | 35 | " |
| | | iF | 5 | 2 | 29 | " |
| | | PPP | | 4 | 53 | " |
| | | SKS | | 9 | 2 | 12 |
| | | iS | | 10 | 0 | " |
| | | PS | | 10 | 58 | 6 |
| | | i | | 13 | 24 | 12 |
| | | iSS | | 15 | 44 | 24 |
| | | i | | 17 | 43 | 12 |
| | | iSSS | | 19 | 59 | 21 |
| | | L | | 31,7 | | 36 |
| | | M | | 36 | 11 | 24 |

siguiente.
D=90°=10,000 kms.
h=40+80 kms.

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|------|----|------|----|----|
| 358 | 2 | P | 6 | 56 | 20 | 3 |
| | | pP | | | 56 | " |
| | | iPP | | 59 | 32 | " |
| | | PPP | 7 | 1 | 47 | " |
| | | SKS | | 6 | 59 | 6 |
| | | iS | | 7 | 14 | 12 |
| | | PS | | 8 | 53 | 15 |
| | | SS | | 14 | 42 | 14 |
| | | L | | 25,4 | | 36 |
| | | M | | 34 | 14 | 21 |
| | | F | | 9,6 | | |

D=90°=10,000 kms.
h=40+80 kms.

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|------|----|------|----|----|
| 359 | 3 | L | 5 | 12,0 | | 24 |
| | | M | | 17 | 56 | 16 |
| | | F | | 6,5 | | |

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|------|------|------|----|----|
| 360 | 3 | L | 12 | 56,6 | | 21 |
| | | M | 13 | 7 | 23 | 15 |
| | | F | 13,5 | | | |

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|-------|----|------|----|----|
| 361 | 3 | iFKP1 | 15 | 56 | 30 | 3 |
| | | pFKP | | | 51 | " |
| | | FKP2 | | 57 | 49 | " |
| | | pFKP2 | | 58 | 23 | " |
| | | sPKP2 | | | 32 | " |
| | | SKP | 16 | 0 | 2 | 4 |
| | | sSKP | | | 29 | " |
| | | iFP | | | 47 | " |
| | | pPP | | 1 | 11 | " |
| | | SKS | | 3 | 15 | 5 |
| | | sSKS | | | 44 | 11 |
| | | pPPP | | 4 | 50 | 4 |
| | | SKKS | | 6 | 56 | 10 |
| | | SKSP | | 10 | 26 | 15 |
| | | PPS | | 14 | 4 | 15 |
| | | SS | | 20 | 17 | 18 |
| | | SSS | | | 53 | 15 |
| | | SSB | | 21 | 47 | 18 |
| | | SSS | | 27 | 41 | 15 |
| | | L | | 52,2 | | 31 |
| M | | 59 | 8 | 21 | | |

18,7
D=158°=17,560 kms.
h=40+60 kms.

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|-------|----|----|----|----|
| 362 | 3 | epPKP | 17 | 10 | 30 | 3 |
| | | iFP | | 14 | 44 | " |

Fases restantes inapreciables confundidas con las últimas del anterior, del que es réplica.

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|------|----|----|----|----|
| 363 | 4 | iP | 14 | 54 | 19 | 4 |
| | | pP | | 55 | 34 | 6 |
| | | sP | | | 42 | 3 |
| | | iPcP | | 56 | 8 | 4 |
| | | pPcP | | | 18 | 6 |
| | | sPcP | | | 45 | 4 |
| | | PPP | | 58 | 57 | " |
| | | iPcS | | 59 | 33 | " |
| | | iS | 15 | 3 | 30 | 9 |
| | | PS | | | 34 | 7 |
| | | sS | | 4 | 8 | 12 |
| | | sPS | | | 24 | 6 |
| | | ScS | | 5 | 15 | 8 |
| SS | | 8 | 6 | 15 | | |

| Nº | Día | Fase | h. | m. | s. | T. | Nº | Día | Fase | h. | m. | s. | T. |
|---|-----|---|----|------|----|---|---|-----|--|----|------|----|---|
| 363 | 4 | SSS L M F | 15 | 10 | 9 | 15 33 20 | 370 | 13 | PPF pPP PcP iS sS SS L M F | 21 | 30 | 55 | 3 " " 4 8 10 24 16 |
| <p>$D=50^\circ=6,670$ kms. $h=40+60$ kms.</p> | | | | | | | <p>$D=27^\circ=3,000$ kms. $h=40+160$ kms.</p> | | | | | | |
| 364 | 5 | Pn F P3 P4 P5 PS2 iS S3 S4 | 23 | 23 | 17 | 3 " " " " 4 " 3 | 371 | 13 | P PcP iS sS PS SS M F | 23 | 25 | 18 | 3 " 14 15 6 13 21 |
| <p>$D=330$ kms. $h=25$ kms.</p> | | | | | | | <p>$D=27^\circ=3,000$ kms. $h=40+160$ kms.</p> | | | | | | |
| 365 | 8 | PKP1 pPKP1 PKP2 pPKP2 PF pPP PPP SKKS SSS | 14 | 15 | 13 | 3 " " " " " " 18 30 | 372 | 14 | e i i i i L M F | 5 | 16 | 13 | 3 8 9 12 18 45 21 |
| <p>OL inapreciables entre F.M. de periodo lento. $D=166^\circ=18,400$ kms.</p> | | | | | | | <p>Cambio de bandas. Falto el registro en la componente vertical; muy con- fuso por F.M. de periodo am- plio.</p> | | | | | | |
| 366 | 8 | LM F | 23 | 48,1 | | 27 | 373 | 14 | L M F | 23 | 38,5 | | 21 15 |
| 367 | 9 | L M F | 6 | 33,1 | | 24 18 | 374 | 15 | 1P S | 7 | 0 | 10 | 3 9 |
| 368 | 9 | L M F | 21 | 13,5 | | 21 15 | <p>Fases restantes indeci- frables por superposicion de lineas, que continua en el te- rremote siguiente.</p> | | | | | | |
| 369 | 10 | L M F | 5 | 37,5 | | 23 16 | 375 | 15 | ePKP ePP L M F | 8 | 6 | 4 | 3 " 30 21 |
| 370 | 13 | 1Pz pP 1PP | 21 | 29 | 55 | 3 " " | <p>$D=166^\circ=18,400$ kms.</p> | | | | | | |

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|------|----|----|------------------|----|
| 376 | 18 | P | 4 | 39 | 7 | 3 |
| | | PPP | | | 54 | " |
| | | iS | | 45 | 26 | 10 |
| | | sS | | | 36 | 9 |
| | | SS | | 44 | 57 | 12 |
| | | M | | 51 | 27 | 12 |
| | | F | | | | |
| | | | | | 5,2 | |
| | | | | | D=26°=2,890 kms. | |

377 21 eP 13 56 58 3
Falto el registro en el Z; F.M. de enorme amplitud y largo periodo impiden la interpretación.

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|------|----|----|--|----|
| 378 | 22 | iPz | 10 | 19 | 48 | 3 |
| | | PcP | | 20 | 18 | " |
| | | pícf | | | 42 | " |
| | | stcP | | 21 | 6 | " |
| | | PP | | 22 | 10 | 4 |
| | | pPP | | 23 | 1 | 3 |
| | | PcS | | | 42 | " |
| | | pPcS | | 24 | 24 | " |
| | | S | | 29 | 37 | 7 |
| | | sS | | 30 | 33 | 6 |
| | | LM | | | 43,0 | 18 |
| | | F | | | 11,2 | |
| | | | | | Dudoso (D=71°=7,890 kms h=40+60 kms.) | |

379 24 (1) 6 5 24 3
1 6 21 "
P 7,8

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|------|----|----|---|----|
| 380 | 25 | iPz | 22 | 2 | 50 | 3 |
| | | SXS | | 13 | 33 | 4 |
| | | S | | | 51 | 6 |
| | | | | | Fases restantes entre F.M. de largo periodo y gran amplitud. D=92°=10,200 kms. | |

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|------|----|----|----|----|
| 381 | 30 | iP | 8 | 0 | 27 | 3 |
| | | pP | | 1 | 10 | " |
| | | PP | | 4 | 24 | 4 |
| | | PPP | | 6 | 18 | " |
| | | iS | | 11 | 10 | 6 |
| | | pS | | | 28 | 7 |
| | | sS | | 12 | 5 | 4 |
| | | eSS | | 18 | 0 | 5 |
| | | SSS | | 21 | 24 | " |

| Nº | Día | Fase | h. | m. | s. | T. |
|-----|-----|------|----|------|------------------------------------|----|
| 381 | 30 | L | 8 | 34,0 | | 24 |
| | | M | | 42 | 24 | 19 |
| | | F | | | 9,2 | |
| | | | | | D=92°=10,220 kms. h=40+150 kms. | |

Durante todo el mes ha sido notable la agitación microsismica de largo periodo y gran amplitud, que ha hecho indescifrables muchos sismogramas.

| Agitación microsismica | | | |
|------------------------|------|---------|--------------|
| Fechas | Día | Noche | |
| | T(s) | A(micr) | T(s) A(micr) |
| 1 | 2-4 | 1 | 2-4 1 |
| 2 | " | 1-2 | " 2-3 |
| 3 | " | 3-5 | " 1-2 |
| 4-5 | 3-5 | 1-2 | " " |
| 6-7 | 2-4 | " | 2-4 " |
| 8 | 3-5 | " | 3-5 1-3 |
| 9 | " | 2-3 | " 3-6 |
| 10-11 | 3-4 | 3-5 | " 3-5 |
| 12 | 2-4 | 2-3 | 2-4 1-3 |
| 13 | 3-4 | 1-2 | 3-4 1-2 |
| 14-15 | 3-5 | 1 | 3-5 1 |
| 16 | 3-4 | 2-4 | " 2-4 |
| 17 | " | 1-3 | " 1-3 |
| 18 | " | 1-2 | " 1-2 |
| 19 | 3-5 | 1-3 | " 1-2 |
| 20 | " | 2-4 | " 2-4 |
| 21 | 2-4 | 3-5 | " 3-5 |
| 22 | 1 | 1-2 | 1-2 1-3 |
| 23 | " | " | 1 1-2 |
| 24 | " | 1 | " 1 |
| 25 | 1-2 | 2-3 | 1-2 2-4 |
| 26 | 2-3 | 3-5 | 2-3 3-5 |
| 27 | " | 1-3 | 1-2 1-2 |
| 28 | 1-2 | 1 | 2-3 1-3 |
| 29 | 1-3 | 3-5 | 1-3 3-5 |
| 30 | 3-5 | " | 3-5 " |
| 31 | " | 2-4 | " 2 |

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El Director
Antonio Ruiz J. V.

| Nº | Día | Fase | h. | m. | s. | T. | Nº | Día | Fase | h. | m. | s. | T. | | | |
|---------------------|------|------|------|------|-------------------------|------|------|-----|---------------------------|----|------|-----|----|----|---|---|
| 382 | 1 | iPz | 11 | 27 | 35 | d 3 | 385 | 3 | PcP | 19 | 42 | 1 | 5 | | | |
| | | pP | | | 51 | " | | | pPcP | | 43 | 1 | 9 | | | |
| | | sP | 28 | 11 | | " | | | sPcP | | | 32 | 4 | | | |
| | | iPP | 31 | 4 | | " | | | PcS | | 45 | 55 | " | | | |
| | | pPP | | 21 | | " | | | iS | | 46 | 1 | 6 | | | |
| | | sPP | | 42 | | " | | | sS | | | 52 | 4 | | | |
| | | PPP | 33 | 9 | | 9 | | | iSS | | 48 | 16 | " | | | |
| | | pPPP | | 33 | | 6 | | | sSS | | | 41 | 11 | | | |
| | | sPPP | 34 | 0 | | 14 | | | L | | 51,9 | | 24 | | | |
| | | SKS | 37 | 21 | | 6 | | | M | | 57 | 43 | 10 | | | |
| | | SKKS | 38 | 6 | | " | | | F | | 22,9 | | | | | |
| | | iS | | 29 | | 17 | | | D=38°=4,220 kms. | | | | | | | |
| | | sS | 39 | 13 | | 19 | | | h=40+140 kms, | | | | | | | |
| | | PPS | 40 | 4 | | 4 | | | Epicentro en el Atlantico | | | | | | | |
| | | SS | 44 | 57 | | 9 | | | ecuatorial 2° N-25° W. | | | | | | | |
| | | SSS | 48 | 51 | | 18 | | | | | | | | | | |
| | | L | 55,2 | | | 30 | | | 386 | 4 | iPz | 21 | 56 | 4 | d | 3 |
| | | M | 12 | 2 | 15 | 24 | | | | | pP | | | 19 | | 5 |
| F | 16,2 | | | | PcP | | 57 | 16 | | | | 4 | | | | |
| D=92°=10,200 kms. | | | | | | pPcP | | | | | 55 | 6 | | | | |
| h=40+60 kms. | | | | | | PPP | | 58 | | | 24 | 5 | | | | |
| | | | | | PcS | 22 | 1 | 25 | | | | 6 | | | | |
| | | | | | pPcS | | | 48 | | | | " | | | | |
| | | | | | iS | | 2 | 34 | | | | 7 | | | | |
| | | | | | sS | | 3 | 31 | | | | 6 | | | | |
| | | | | | SS | | 5 | 50 | | | | " | | | | |
| | | | | | L | | 12,0 | | | | | 27 | | | | |
| | | | | | M | | 15 | 13 | | | | 14 | | | | |
| | | | | | F | | 2,3 | | | | | | | | | |
| | | | | | D=45°=5,000 kms. | | | | | | | | | | | |
| | | | | | h=40+110 kms. Violento. | | | | | | | | | | | |
| | | | | | Epicentro hacia los | | | | | | | | | | | |
| | | | | | 35° N-55° E. | | | | | | | | | | | |
| 383 | 2 | L | 15 | 1,3 | | 30 | | | | | | | | | | |
| | | M | | 12 | 39 | | 20 | | | | | | | | | |
| | | F | 15,6 | | | | | | | | | | | | | |
| 384 | 2 | iPz | 18 | 38 | 15 | d 3 | 387 | 6 | P | 18 | 26 | 31 | 3 | | | |
| | | pP | | | 29 | " | | | S | | | 35 | " | | | |
| | | sP | | | 51 | " | | | P2 | | | 42 | " | | | |
| | | PcP | | 39 | 23 | 6 | | | PS | | | 48 | " | | | |
| | | FP | | 40 | 32 | 3 | | | S2 | | | 54 | " | | | |
| | | PPP | | 41 | 29 | " | | | S3 | | 27 | 5 | " | | | |
| | | PcS | | 43 | 0 | 6 | | | P3S2 | | | 22 | " | | | |
| | | iS | | 46 | 7 | " | | | D= 25 kms. | | | | | | | |
| | | sS | | | 30 | 12 | | | h= 20 kms. | | | | | | | |
| | | ScS | | 48 | 16 | 8 | | | | | | | | | | |
| | | SS | | 50 | 9 | 6 | | | | | | | | | | |
| | | G | | 55,0 | | 60 | | | | | | | | | | |
| | | L | | 59,3 | | 18 | | | | | | | | | | |
| | | M | 19 | 2 | 33 | 12 | | | | | | | | | | |
| F | 23,9 | | | | | | | | | | | | | | | |
| D=57°=6,330 kms. | | | | | | 388 | 6 | iPz | 20 | 7 | 3 | d 3 | | | | |
| h=40+60 kms. | | | | | | | | pP | | | 26 | | " | | | |
| Epicentro hacia los | | | | | | | | FP | | 9 | 44 | | " | | | |
| 40° N-70° E. | | | | | | | | pPP | | 10 | 4 | | 5 | | | |
| 385 | 3 | iPz | 19 | 40 | 4 | | | c 3 | | | | | | | | |
| | | pP | | | 39 | | | 4 | | | | | | | | |
| | | sP | | | 58 | | | " | | | | | | | | |
| | | iPP | | 41 | 31 | | | 6 | | | | | | | | |

| Nº | Día | Fase | h. | m. | s. | T. | Nº | Día | Fase | h. | m. | s. | T. | | | |
|-----------------------------|-----|-------|----|------|-----------|------------------------------|------|-----------------------|--------------------|------|------|----|------|------|----|---|
| 388 | 6 | pPP | 20 | 10 | 54 | 5 | 392 | 12 | L | 18 | 43,8 | 33 | | | | |
| | | iS | | 15 | 54 | 9 | | | M | | 49 | 29 | 18 | | | |
| | | pS | | 16 | 24 | " | | | F | | 20,1 | | | | | |
| | | sS | | | 54 | 7 | | | D=162°=18,000 kms. | | | | | | | |
| | | iSS | | 21 | 0 | 27 | | | 393 | 17 | iPz | 22 | 34 | 37 | d | 3 |
| | | SSS | | 23 | 21 | 15 | | | | | PP | 36 | 37 | 36 | 37 | " |
| | | eL | | 24,3 | | 39 | | | | | iS | | 42 | 45 | 15 | |
| | | iL | | 27,0 | | 24 | | | | | ScS | | 44 | 30 | 16 | |
| | | M | | 35 | 51 | 18 | | | | | SS | | 46 | 24 | 18 | |
| | | F | | 22,1 | | | | | | | L | | 51,3 | | 27 | |
| D=71°=7,890 kms. | | | | | | M | 23 | 3 | | | 4 | 18 | | | | |
| h=40±120 kms. | | | | | | F | 23,9 | | | | | | | | | |
| | | | | | | D=60°=6,660 kms. | | | | | | | | | | |
| 389 | 7 | iPz | 18 | 16 | 11 | c | 3 | 394 | | | 18 | L | 14 | 17,6 | 18 | |
| | | pP | | | 18 | " | M | | | 22 | | 55 | 21 | | | |
| | | PP | | 17 | 36 | " | F | | | 15,3 | | | | | | |
| | | eS | | 24 | 33 | 9 | 395 | | 21 | P5 | | 1 | 47 | 56 | a | 3 |
| | | L | | 34,1 | | 30 | | | | P4S | | | 49 | 10 | 4 | |
| | | M | | 37 | 33 | 21 | | | | P2S2 | | | 50 | 35 | 9 | |
| | | F | | 19,2 | | | | | | PS4 | | | 51 | 23 | 24 | |
| D=62°=6,890 kms. | | | | | | S3 | | | | 53 | 29 | 21 | | | | |
| (h=40±10 kms.) | | | | | | L | | | | 54,5 | | 24 | | | | |
| | | | | | | M | | | | 55 | 29 | 18 | | | | |
| 390 | 9 | L | 1 | 24,0 | 24 | 396 | 21 | L | 4 | 55,3 | 30 | | | | | |
| | | M | | 29 | 33 | | | 18 | M | | 5 | 4 | 29 | 21 | | |
| | | F | | 2,1 | | | | | F | | 5,5 | | | | | |
| 391 | 10 | iP | 17 | 54 | 25 | 5 | 397 | 29 | F | 18 | 22 | 18 | 3 | | | |
| | | pP | | | 51 | 6 | | | iS | | | 27 | " | | | |
| | | pPP | | 58 | 9 | " | | | P2 | | | 30 | 6 | | | |
| | | SKS | 18 | 4 | 39 | 14 | | | PS | | | 35 | 3 | | | |
| | | iSKKS | | 5 | 3 | 8 | | | PS2 | | | 38 | " | | | |
| | | SS | | | 34 | " | | | S2 | | | 42 | " | | | |
| | | SS | | 10 | 15 | 33 | | | P2S2 | | | 43 | " | | | |
| | | SSS | | 13 | 51 | 30 | | | P4 | | | 48 | " | | | |
| | | L | | 20,8 | | 48 | | | F | | 25,0 | | | | | |
| | | M | | 26 | 57 | 21 | | | D=70 kms. | | | | | | | |
| F | | 19,2 | | | h=10 kms. | | | | | | | | | | | |
| D=83°=9,220 kms. | | | | | | Epicentro: 36,°9 N - 2,°8 W. | | | | | | | | | | |
| h=40±50 kms. | | | | | | 398 | 29 | i | 23 | 21 | 39 | 3 | | | | |
| Destructor en el Perú; epi- | | | | | | | | i | | | 45 | | | | | |
| centro: 8° S - 78° W. | | | | | | | | Réplica del anterior. | | | | | | | | |
| 392 | 12 | iPKP1 | 17 | 48 | 46 | | | c | 3 | 398 | 29 | i | 23 | 21 | 39 | 3 |
| | | iPKP2 | | 49 | 32 | | | " | | | | | | 45 | | |
| | | iPP | | 53 | 9 | | | " | | | | | | | | |
| | | PPP | | 56 | 59 | | | 4 | | | | | | | | |
| | | SKKS | 18 | 0 | 1 | " | | | | | | | | | | |
| | | SKSP | | 4 | 11 | 5 | | | | | | | | | | |
| | | SS | | 13 | 59 | 16 | | | | | | | | | | |

| Nº | Día | Fase | h. m. s. | | | T. | Nº | Día | Fase | h. m. s. | | | T. |
|-----|-----|---|----------|---|--|--|-----|-----|--|----------|---|---|-----------------------------------|
| 399 | 5 | LM F | 0 | 42,9 | | 27 | 404 | 21 | eF eS L H F | 20 | 2 20 12 44 41,0 46 26 | 3 7 18 15 | |
| 400 | 12 | eF P2 P4 P5 S S2 S3 PS4 S4 F | 2 | 16 47 50 17 0 7 14 19 29 35 44 | | 3 " " 4 " " " " " | 405 | 24 | L H F | 5 | 19,9 25 26 6,2 | 18 15 | |
| | | | | | | | 406 | 26 | Pg Sg F | 13 | 43 19 21 43,5 | ráp 1 | |
| | | | | | | | | | | | | D=12 kms; h=10 kms. | |
| 401 | 13 | 1Fz S L H F | 13 | 1 51 d 12 2 32,0 37 35 | | 3 12 15 " | 407 | 26 | 1Fz F P4 P5 P2S2 1S S3 S5 1Sg H | 23 | 28 0 e 13 29 38 54 29 11 14 29 34 29,9 | 3 " 4 " 3 " " " 4 | |
| | | | | | | | | | | | | | D=90°±10,000 kms h=40±60 kms.) |
| 402 | 20 | 1Fz pF sF 1FF PPF SHKS 1S PS 1SS SSP SSS L H F | 19 | 32 55 d 33 41 34 5 37 13 39 36 43 43 44 21 46 18 51 28 52 14 55 37 20 9,0 17 55 | | 3 " " 24 6 30 15 27 45 30 15 42 18 | 408 | 29 | ePg oSg F | 4 | 0 32 34 1,6 | ráp 1 | |
| | | | | | | | | | | | | | D=10 kms. |
| | | | | | | | 409 | 29 | e L H F | 4 | 59,9 15,3 26 9 5,9 | 3 18 15 | |
| | | | | | | | 410 | 30 | 1Fz 1FF PPF 1S SS L H F | 4 | 17 14 e 19 14 20 9 24 4 27 5 30,5 34 18 5,1 | 3 " " 12 24 30 21 | |
| | | | | | | | | | | | | | D=45°±5,000 kms. |
| 403 | 21 | eFF eH L H F | 10 | 37 55 54 4 5,4 10 7 12,2 | | 4 7 36 24 | | | | | | | |

Probable réplica del anterior, como también el siguiente.

| Nº | Día | Fase | h. m. s. | | T. | |
|-----|-----|------|----------|---|-----|---|
| 411 | 31 | orig | 2 | 1 | 37 | 3 |
| | | F2 | | | 42 | " |
| | | F3 | | | 45 | " |
| | | orig | | | 58 | " |
| | | F | | | 2,7 | " |

D=170 kms; (H=25 kms.)

| Nº | Día | Fase | h. m. s. | | T. | |
|-----|-----|------|----------|----|------|-----|
| 412 | 31 | Fg | 23 | 14 | 42 | ráp |
| | | Sg | | | 44 | 1 |
| | | F | | | 15,0 | " |

D=10 kms.

Agitación microsísmica

| Fechas | Día | | Noche | |
|--------|------|---------|-------|---------|
| | T(s) | A(mier) | T(s) | A(mier) |
| 16-17 | 3-5 | 2-3 | 3-5 | 2-3 |
| 18-19 | 2-4 | 5-6 | 2-4 | 5-6 |
| 20-22 | 3-4 | 2-3 | " | 3-4 |
| 23-24 | 2-4 | " | " | 2-3 |
| 25 | " | 1-2 | " | 1-3 |
| 26-27 | " | 3-4 | " | 4-5 |
| 28 | " | 4-5 | " | " |
| 29 | 3-5 | 1-3 | 3-5 | 1-3 |
| 30 | 3-4 | 1-2 | 3-4 | 1-2 |
| 31 | 2-3 | 2-3 | 2-3 | 3-4 |

Agitación microsísmica

oooooooooooooooooooooooooooo

Día Noche

| Fechas | T(s) | A(mier) | T(s) | A(mier) |
|--------|------|---------|------|---------|
| 1-2 | 3-5 | 2-3 | 3-5 | 3-4 |
| 3 | " | 3-4 | 2-4 | 3-5 |
| 4 | 2-4 | 3-5 | " | 4-6 |
| 5 | " | 4-6 | " | 3-5 |
| 6 | 3-5 | 2-3 | 3-4 | " |
| 7 | 3-4 | 3-5 | 3-5 | " |
| 8 | " | " | 3-4 | 4-6 |
| 9 | " | " | " | 3-5 |
| 10 | 3-5 | 3-4 | 3-5 | 2-3 |
| 11 | " | 1-3 | " | 2-4 |
| 12 | " | 2-3 | " | 3-4 |
| 13 | " | 1-3 | " | 1-3 |
| 14 | " | 2-3 | " | 3-4 |
| 15 | " | 3-4 | " | " |

El Director:

Antonio Jus S. Y.

