

Observatorio de Cartuja  
Granada

Boletín sísmico provisional.-Enero 1945

| Nº                          | Día | Fase | h. | m.   | s. | T.   | Nº                    | Día                   | Fase | h.               | m.   | s.   | T.        |                       |           |  |
|-----------------------------|-----|------|----|------|----|--|-----------------------|-----------------------|------|------------------|------|------|-----------|-----------------------|-----------|--|
| 1                           | 1   | iPz  | 1  | 29   | 26 | comp. 3  |                       | 8                     | 18   | Pz               | 3    | 51   | 18 dil. 3 |                       |           |  |
|                             |     | PcP  |    | 30   | 39 | "  |                       |                       |      | S                |      | 54   | 35        | 8                     |           |  |
|                             |     | iS   |    | 36   | 25 | 8  |                       |                       |      | L                |      | 56,2 |           | 24                    |           |  |
|                             |     | L    |    | 42,3 |    | 40   |                       |                       |      | M                |      | 59   | 23        | 15                    |           |  |
|                             |     | M    |    | 44   | 24 | 21   |                       |                       |      | F                |      | 4,9  |           |                       |           |  |
|                             |     | F    |    | 2,5  |    |  |                       |                       |      | D=20°=2.200 kms. |      |      |           |                       |           |  |
| 2                           | 8   | iPz  | 22 | 46   | 45 | dil. 2   |                       | 9                     | 18   | ePg              | 21   | 45   | 9 rúp. 1  |                       |           |  |
|                             |     | PcP  |    | 49   | 6  | 5  |                       |                       |      | iSg              |      |      | 11        |                       |           |  |
|                             |     | eS   |    | 50   | 50 | 10   |                       |                       |      | F                |      | 45,4 |           | Débil.                |           |  |
|                             |     | L    |    | 52,9 |    | 17   |                       |                       |      | D=15 kms.        |      |      |           |                       |           |  |
|                             |     | M    |    | 55   | 25 | 15   |                       |                       |      | 10               | 19   | iPg  | 1         | 40                    | 52 rúp. 1 |  |
|                             |     | F    |    | 23,4 |    |  |                       |                       |      |                  |      | iSg  |           |                       | 54        |  |
| D=22°=2.450 kms.            |     |      |    |      |    |  | PS                    |                       | 41   |                  |      | 16   | 2         |                       |           |  |
|                             |     |      |    |      |    | S3   |                       |                       |      |                  |      | 23   | "         |                       |           |  |
|                             |     |      |    |      |    | F  |                       |                       |      |                  |      | 42,5 |           |                       |           |  |
|                             |     |      |    |      |    | D=15 kms.-Sentido en Granada grado III con ruido subterráneo; muy breve. |                       |                       |      |                  |      |      |           |                       |           |  |
| 3                           | 12  | i    | 18 | 57   | 34 | 2  |                       | 11                    | 19   | ePg              | 1    | 48   | 53 rúp. 1 |                       |           |  |
|                             |     | "    | 19 | 13   | 9  | 6  |                       |                       |      | iSg              |      |      | 55        |                       |           |  |
|                             |     | "    |    | 21   | 53 | 8  |                       |                       |      | F                |      | 49,1 |           | D=15 kms. 1ª réplica. |           |  |
|                             |     | L    |    | 30,8 |    | 24   |                       |                       |      | 12               | 19   | Pg   | 6         | 26                    | 6 rúp. 1  |  |
|                             |     | M    |    | 35   | 24 | 18   |                       |                       |      |                  |      | Sg   |           |                       | 8         |  |
|                             |     | F    |    | 19,9 |    |  |                       |                       |      |                  |      | F    |           |                       | 26,3      |  |
| (Sin registro fotográfico). |     |      |    |      |    |  | D=15 kms. 2ª réplica. |                       |      |                  |      |      |           |                       |           |  |
|                             |     |      |    |      |    | 13   | 19                    | Pg                    | 7    |                  |      | 39   | 28 rúp. 1 |                       |           |  |
|                             |     |      |    |      |    |  |                       | Sg                    |      |                  |      |      | 30        |                       |           |  |
|                             |     |      |    |      |    |  |                       | F                     |      |                  | 39,7 |      |           |                       |           |  |
|                             |     |      |    |      |    |  |                       | D=15 kms. 3ª réplica. |      |                  |      |      |           |                       |           |  |
|                             |     |      |    |      |    |  |                       | 14                    | 19   | Pg               | 11   | 21   | 36 rúp. 1 |                       |           |  |
|                             |     |      |    |      |    |  |                       |                       |      | Sg               |      |      | 38        |                       |           |  |
|                             |     |      |    |      |    | F  |                       |                       |      |                  | 21,8 |      |           |                       |           |  |
|                             |     |      |    |      |    | D=15 kms. 4ª réplica.  |                       |                       |      |                  |      |      |           |                       |           |  |
|                             |     |      |    |      |    | 15   | 20                    |                       |      | Pg               | 23   | 27   | 29 rúp. 1 |                       |           |  |
|                             |     |      |    |      |    |  |                       |                       |      | Sg               |      |      | 30        |                       |           |  |
|                             |     |      |    |      |    |  |                       | F                     |      |                  | 27,7 |      |           |                       |           |  |
|                             |     |      |    |      |    |  |                       | D=5-10 kms.           |      |                  |      |      |           |                       |           |  |
|                             |     |      |    |      |    |  |                       | 16                    | 22   | P                | 8    | 7    | 5 4       |                       |           |  |
|                             |     |      |    |      |    |  |                       |                       |      | S                |      |      | 11        | 17 8                  |           |  |

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Boletín sísmico provisional.-Enero 1945

| Nº | Día | Fase | h. m. s.           | T. | Agitación microsísmica. |          |       |          |     |
|----|-----|------|--------------------|----|-------------------------|----------|-------|----------|-----|
|    |     |      |                    |    | Fechas.                 | Día      | Noche |          |     |
|    |     |      |                    |    | T(s)                    | A(micr.) | T(s)  | A(micr.) |     |
| 16 | 22  | L    | 8 16,2             | 30 |                         |          |       |          |     |
|    |     | M    | 19 18              | 24 | 1                       | 3-5      | 2-3   | 3-5      | 3-4 |
|    |     | F    | 9,2                |    | 2                       | "        | 2-3/4 | "        | 2-3 |
|    |     |      | (D=24°=2.700 kms.) |    | 3                       | "        | 3-4   | "        | "   |
| 17 | 25  | (S)  | 0 56 20            | 12 | 4                       | "        | "     | "        | 3-4 |
|    |     | L    | 1 4,0              | 21 | 5-6                     | 4-6      | 2-3   | 4-6      | 2-3 |
|    |     | M    | 7 18               | 20 | 7                       | "        | "     | "        | 3-4 |
|    |     | F    | 1,9                |    | 8                       | "        | 3-4   | "        | 4-5 |
|    |     |      |                    |    | 9                       | 3-5      | "     | 3-5      | 3-4 |
| 18 | 29  | e(S) | 21 42 58           | 14 | 10-14                   | "        | 2-3   | "        | 2-3 |
|    |     | L    | 22 3,1             | 36 | 14                      | "        | "     | "        | 1-2 |
|    |     | M    | 10 6               | 30 | 15-17                   | "        | 1-2   | "        | "   |
|    |     | F    | 22,9 F.M.          |    | 18                      | "        | 1     | "        | 2-3 |
|    |     |      |                    |    | 19                      | 4-6      | 2-3   | 4-6      | "   |
|    |     |      |                    |    | 20                      | "        | 1-2   | "        | 1-2 |
|    |     |      |                    |    | 21                      | 3-5      | "     | 3-5      | 2-3 |
|    |     |      |                    |    | 22                      | "        | "     | "        | 1-2 |
|    |     |      |                    |    | 23                      | "        | 1     | "        | 2-3 |
|    |     |      |                    |    | 24                      | 4-6      | 4-5   | 4-6      | 4-5 |
|    |     |      | 25                 | "  | "                       | "        | 5-6   |          |     |
|    |     |      | 26                 | "  | 5-6                     | "        | 6-7   |          |     |
|    |     |      | 27                 | "  | 2-3                     | "        | 2-3   |          |     |
|    |     |      | 28                 | "  | 4-5                     | "        | 4-5   |          |     |
|    |     |      | 29                 | "  | "                       | "        | 3-4   |          |     |
|    |     |      | 30                 | "  | 1                       | "        | 1     |          |     |
|    |     |      | 31                 | "  | 1-2                     | "        | 1-2   |          |     |

Durante casi todo el mes el voltaje eléctrico ha sido insuficiente, sobre todo durante las horas del día, para que el rayo de luz impresione el papel sensible; aun después del día 23, en que se instaló un elevador de corriente, las oscilaciones han hecho perder varias horas de registro, además de las interrupciones de los miércoles y sábados de 7 h. 30 m. a 17 h.

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El Director:

*Antonio Duc S.Y.*





Observatorio de Cartuja

Granada

Boletín sísmico provisional. - Febrero 1945

| Nº | Día | Fase  | h. m. s. | T. | Nº | Día | Fase | h. m. s.      | T. |
|----|-----|-------|----------|----|----|-----|------|---------------|----|
| 31 | 17  | L     | 20 15,0  | 26 | 38 | 28  | L    | 3 53,0        | 24 |
|    |     | M     | 21 51    | 18 |    |     | M    | 50 27         | 18 |
|    |     | F     | 21,0     |    |    |     | F    | 4,3           |    |
|    |     |       |          |    |    |     |      | No muy lejano |    |
| 32 | 18  | L     | 7 13,6   | 24 | 39 | 28  | L    | 18 5,0        | 27 |
|    |     | M     | 22 24    | 20 |    |     | M    | 19 37         | 18 |
|    |     | F     | 7,8      |    |    |     | F    | 18,9          |    |
| 33 | 18  | 1(P2) | 10 25 27 | 5  | 40 | 28  | L    | 23 54,5       | 27 |
|    |     | 1     | 30 27    | 5  |    |     | M    | 59 34         | 21 |
|    |     | 63    | 32 0     | 8  |    |     | F    | 24,0          |    |
|    |     | 123   | 34 20    | 21 |    |     |      |               |    |
|    |     | 10    | 11 524,5 | 56 |    |     |      |               |    |
|    |     | M     | 11 3 3   | 18 |    |     |      |               |    |
|    |     | F     | 13,8     |    |    |     |      |               |    |

(D=109 - 11.100 kms.)

Dudoso por eclipse de luz que precede dos min. a la primera fase.

Agitación microsísmica.

Fechas

| Fecha | T(s) | A(mier.) | Fecha | T(s) | A(mier.) |
|-------|------|----------|-------|------|----------|
| 1-8   | 3-5  | 1-2      | 3-5   | 1-2  |          |
| 9     | "    | 2-3      | "     | "    | 2-3      |
| 10    | "    | 1-2      | "     | "    | 1-2      |
| 11    | "    | 2-3      | "     | "    | 2-3      |
| 12-18 | "    | 1-2      | "     | "    | 1-2      |
| 19-20 | "    | 1        | "     | "    | 1        |
| 21    | "    | 1-2      | "     | "    | 1-2      |
| 22    | "    | "        | "     | "    | 2-3      |
| 23    | "    | 2-3      | "     | "    | "        |
| 24-25 | "    | 1-2      | "     | "    | 1-2      |
| 26    | "    | 2-3      | "     | "    | 2-3      |
| 27-28 | "    | 1-2      | "     | "    | 1-2      |

El Director:

*Antonio Duc I.Y.*

|    |    |      |           |           |
|----|----|------|-----------|-----------|
| 34 | 18 | L    | 14 39,5   | 50        |
|    |    | M    | 46 11     | 18        |
|    |    | F    | 15,6      |           |
| 35 | 19 | L    | 0 19,2    | 24        |
|    |    | M    | 25 24     | 18        |
|    |    | F    | 0,9       |           |
| 36 | 20 | 1(M) | 0 1 30    | 2         |
|    |    | 2    | 30        | 3         |
|    |    | 3    | 2 31      | "         |
|    |    | M    | 57        | 4         |
|    |    | F    | 9,0       |           |
|    |    |      | D=460 kms | h=45 kms. |

|    |    |       |                       |             |
|----|----|-------|-----------------------|-------------|
| 37 | 26 | 1(P)  | 22 32 48              | 2           |
|    |    | 1(P2) | 33 32                 | 6           |
|    |    | 1     | 58                    | "           |
|    |    | 1(MM) | 42 45                 | 12          |
|    |    | 1     | 43 15                 | "           |
|    |    | 0     | 23 4,7                | 51          |
|    |    | L     | 9,5                   | 37          |
|    |    | M     | 19 21                 | 18          |
| 27 |    | F     | 1,2                   | F. M.       |
|    |    |       | (D=108 - 12.000 kms.) | h=200 kms.) |
|    |    |       | Fases confusas.       |             |



Observatorio de Cartuja

Boletín sísmico provisional. -Marzo 1945

| Granada |     |      |    |       |    |    |     |      |    |                             |    |
|---------|-----|------|----|-------|----|----|-----|------|----|-----------------------------|----|
| Nº      | Día | Fase | h. | m. s. | T. | Nº | Día | Fase | h. | m. s.                       | T. |
| 41      | 2   | 1Pz  | 10 | 45 42 | 3  | 48 | 11  | 1Pz  | 22 | 5 24                        | 17 |
|         |     | 1P   |    | 47 9  | "  |    |     | SS   |    | 10 0                        | 14 |
|         |     | es   |    | 51 14 | 9  |    |     | L    |    | 25,3                        | 27 |
|         |     | 1    |    | 52 30 | 12 |    |     | M    |    | 35 6                        | 15 |
|         |     | L    |    | 54,5  | 27 |    |     | "    |    | 45 34                       | 16 |
|         |     | M    |    | 57 49 | 17 | 12 |     | F    |    | 0,4 Violento.               |    |
|         |     | F    |    | 11,5  |    |    |     |      |    | D=104°=11.670 kms-h=50 kms. |    |

(D=34°=3.800 kms.)

Dudoso por superposición de líneas; sin registro vertical.

|    |   |   |    |            |    |    |    |     |    |                  |        |
|----|---|---|----|------------|----|----|----|-----|----|------------------|--------|
| 42 | 3 | L | 6  | 3,3        | 24 | 49 | 12 | L   | 2  | 0,2              | 21     |
|    |   | M |    | 10 7       | 17 |    |    | M   |    | 5 0              | "      |
|    |   | F |    | 6,5        |    |    |    | F   |    | 2,9              |        |
| 43 | 4 | L | 14 | 41,6       | 29 | 50 | 12 | L   | 11 | 16,4             | 24     |
|    |   | M |    | 45 29      | 18 |    |    | M   |    | 19 58            | 18     |
|    |   | F |    | 15,2       |    |    |    | F   |    | 11,8             |        |
| 44 | 5 | L | 1  | 4,3        | 21 | 51 | 12 | 1Pz | 20 | 56 56            | d11. 3 |
|    |   | M |    | 7 8        | 16 |    |    | pP  |    | 57 18            | "      |
|    |   | F |    | 1,8        |    |    |    | 1S  |    | 21 1 13          | 15     |
| 45 | 5 | L | 13 | 38,8       | 24 |    |    | SS  |    | 2 2              | 7      |
|    |   | M |    | 46 33      | 18 |    |    | L   |    | 4,3              | 21     |
|    |   | F |    | 15,9       |    |    |    | M   |    | 7 3              | 20     |
|    |   |   |    | Muy lejano |    |    |    | F   |    | 21,4 h=100 kms.  |        |
|    |   |   |    |            |    |    |    |     |    | D=25°=2.780 kms. |        |

|    |    |       |   |                    |        |    |    |     |    |       |        |
|----|----|-------|---|--------------------|--------|----|----|-----|----|-------|--------|
| 46 | 10 | 1PKPz | 1 | 5 58               | d11. 3 | 52 | 15 | L   | 14 | 26,7  | 21     |
|    |    | PP    |   | 9 38               | "      |    |    | M   |    | 38 57 | 17     |
|    |    | SSS   |   | 12 54              | 15     |    |    | F   |    | 15,2  |        |
|    |    | SKSP  |   | 19 31              | "      | 53 | 18 | 1Pz | 0  | 9 35  | d11. 3 |
|    |    | L     |   | 45,1               | 24     |    |    | PP  |    | 42    | "      |
|    |    | M     |   | 2 1 56             | 20     |    |    | PP  |    | 13 33 | "      |
|    |    | F     |   | 2,9                |        |    |    | 1S  |    | 19 11 | 12     |
|    |    |       |   | D=150°=16.670 kms. |        |    |    | 1SS |    | 24 10 | 16     |

|    |    |   |    |       |    |    |    |       |   |       |         |
|----|----|---|----|-------|----|----|----|-------|---|-------|---------|
| 47 | 11 | L | 18 | 48,6  | 27 | 54 | 18 | 1PKP1 | 0 | 42 56 | comp. 3 |
|    |    | M |    | 57 14 | 20 |    |    | PKP1  |   | 43 18 | "       |
|    |    | F |    | 19,7  |    |    |    | PKP2  |   | 59    | "       |

|    |    |     |    |       |         |  |  |      |  |                 |    |
|----|----|-----|----|-------|---------|--|--|------|--|-----------------|----|
| 48 | 11 | 1Pz | 21 | 51 39 | comp. 3 |  |  | PKP2 |  | 44 24           | "  |
|    |    | pP  |    | 51    | "       |  |  | 1Pz  |  | 46 52           | "  |
|    |    | 1PP |    | 55 47 | "       |  |  | SSS  |  | 50 28           | 4  |
|    |    | pPP |    | 57    | "       |  |  | LM   |  | 1 55,5          | 21 |
|    |    | SSS | 22 | 2 10  | 15      |  |  | M    |  | 2 5 4           | 20 |
|    |    | S   |    | 3 46  | 16      |  |  | F    |  | 3,1 (h=50 kms.) |    |

D=169°=18.780 kms.

Fases restantes entre el del anter.

Observatorio de Cartuja

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Boletín sísmico provisional. - Marzo 1945

| Nº   | Día | Fase  | h. m. s.   | T.  | Nº  | Día   | Fase   | h. m. s.   | T.                                |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
|--|-----|---|--|---|---|---|--|--|-----------------------------------|--------|-----|-------|------|---------|------|---------|-----|-----|-----|---|-----|---|---|---|---|-----|---|---|-----|---|-----|---|---|---|---|---|---|----|---|-----|---|---|-----|---|----|---|---|---|---|---|---|-------|---|---|---|---|---|---|----|-----|-----|-----|-----|-----|-----|-------|-----|---|-----|---|---|---|----|---|-----|---|---|-----|-----|-------|---|-----|---|---|-----|-----|-------|---|-----|---|---|---|---|----|---|-----|---|---|-----|-----|----|---|-----|---|---|-----|-----|----|---|-----|---|---|---|---|----|---|-----|---|---|---|---|-------|---|---|---|---|---|---|
| 55   | 18  | 1P<br>(pP)<br>(S)<br>M                            | 6 10 17<br>53<br>17 29<br>28 37                                | 4<br>"<br>8<br>15                             | 61  | 23  | 1Pg<br>Fg3<br>F  | 12 14 39<br>58<br>15,3 h=15 kms.<br>D=190 kms.     | 5<br>3                            |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| <p>F siguientes. - Perturbado por el cambio de bandas.<br/>(D=46°=5.100 kms.)</p>      |     |   |  |   | 62  | 23  | 1PKPz<br>pPKP<br>PP<br>eSKKS<br>eSKSP<br>SS  | 25 54 15<br>57<br>38 16<br>45 15<br>48 23<br>57 30 | d11.3<br>"<br>6<br>18<br>12<br>18 |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 56   | 18  | 1Pz<br>(pP)<br>P                                  | 8 27 46<br>58  | comp.3<br>"                                   | 24  | 1L<br>M<br>F                                      | 0 32,5<br>40 42<br>3,2 h=200 kms.<br>D=154°=17.100 kms.  | 33<br>20   |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| <p>9,2 - Fases restantes confundidas con las del anterior, del que parece réplica.</p> |     |   |  |   | 31  | 1(PKP)<br>1(S)<br>SS<br>L<br>M<br>F               | 7 2 39<br>13 17<br>20 54<br>48,8<br>55 5<br>8,6  | d11.3<br>8<br>7<br>30<br>21                        |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 57   | 18  | e<br>L<br>M<br>P                                  | 19 22 30<br>39 43<br>43 40<br>47 58                            | 9<br>21<br>"                                  | 31  | 1P<br>PcP<br>eS<br>ScS<br>L<br>M<br>F             | 22 16 1<br>16 5<br>22 31<br>26 39<br>32,3<br>39 3<br>23,9 (D=45°=5000 kms.)                          | comp.3<br>5<br>8<br>9<br>15<br>8                   |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 58   | 18  | 1P<br>pP<br>1S<br>PcP<br>SS<br>L<br>M<br>F        | 23 23 3<br>28<br>26 58<br>27 11<br>54<br>29,0<br>30 30         | 6<br>5<br>13<br>12<br>7<br>24<br>19           | 19  | P   | 0,5 h=150 kms.<br>D=21,5=2.390 kms.  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 59   | 20  | 1Pz<br>pP<br>PP<br>PcP<br>S<br>1SS<br>L<br>M<br>F | 8 5 9<br>48<br>6 27<br>8 20<br>10 22<br>12 22<br>10,4<br>18 49 | comp.3<br>"<br>"<br>"<br>13<br>18<br>24<br>16 | 59  | 1Pz<br>pP<br>PP<br>PcP<br>S<br>1SS<br>L<br>M<br>F | 8 5 9<br>48<br>6 27<br>8 20<br>10 22<br>12 22<br>10,4<br>18 49<br>9,5 h=200 kms.<br>D=33°=3.670 kms. | 3<br>"<br>"<br>"<br>13<br>18<br>24<br>16           |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 60   | 23  | (P)<br>L<br>M<br>F                                | 6 6 5<br>28,0<br>35 45<br>7,0                                  | 3<br>37<br>17                                 | <p>Agitación microsísmica.<br/>Fechas      Día      Noche.</p> <table border="1"> <thead> <tr> <th>Fechas</th> <th>Día</th> <th>Noche</th> <th>T(a)</th> <th>A(mic.)</th> <th>T(s)</th> <th>A(mic.)</th> </tr> </thead> <tbody> <tr><td>1-3</td><td>3-5</td><td>3-5</td><td>1</td><td>3-5</td><td>1</td><td>1</td></tr> <tr><td>4</td><td>"</td><td>1-2</td><td>"</td><td>"</td><td>1-2</td><td>1</td></tr> <tr><td>5-9</td><td>"</td><td>1</td><td>"</td><td>"</td><td>1</td><td>1</td></tr> <tr><td>10</td><td>"</td><td>1-2</td><td>"</td><td>"</td><td>1-2</td><td>1</td></tr> <tr><td>11</td><td>"</td><td>"</td><td>"</td><td>"</td><td>1</td><td>1</td></tr> <tr><td>12-13</td><td>"</td><td>1</td><td>"</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>14</td><td>4-6</td><td>1-2</td><td>4-6</td><td>1-2</td><td>1-2</td><td>1-2</td></tr> <tr><td>15-18</td><td>3-5</td><td>1</td><td>3-5</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>19</td><td>"</td><td>1-2</td><td>"</td><td>"</td><td>1-2</td><td>1-2</td></tr> <tr><td>20-21</td><td>"</td><td>2-3</td><td>"</td><td>"</td><td>2-3</td><td>2-3</td></tr> <tr><td>22-23</td><td>"</td><td>1-2</td><td>"</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>24</td><td>"</td><td>2-3</td><td>"</td><td>"</td><td>4-5</td><td>4-5</td></tr> <tr><td>25</td><td>"</td><td>3-4</td><td>"</td><td>"</td><td>1-2</td><td>1-2</td></tr> <tr><td>26</td><td>"</td><td>1-2</td><td>"</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>27</td><td>"</td><td>3-4</td><td>"</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>28-31</td><td>"</td><td>1</td><td>"</td><td>"</td><td>1</td><td>1</td></tr> </tbody> </table> |   |  |  |                                   | Fechas | Día | Noche | T(a) | A(mic.) | T(s) | A(mic.) | 1-3 | 3-5 | 3-5 | 1 | 3-5 | 1 | 1 | 4 | " | 1-2 | " | " | 1-2 | 1 | 5-9 | " | 1 | " | " | 1 | 1 | 10 | " | 1-2 | " | " | 1-2 | 1 | 11 | " | " | " | " | 1 | 1 | 12-13 | " | 1 | " | " | " | " | 14 | 4-6 | 1-2 | 4-6 | 1-2 | 1-2 | 1-2 | 15-18 | 3-5 | 1 | 3-5 | 1 | 1 | 1 | 19 | " | 1-2 | " | " | 1-2 | 1-2 | 20-21 | " | 2-3 | " | " | 2-3 | 2-3 | 22-23 | " | 1-2 | " | " | " | " | 24 | " | 2-3 | " | " | 4-5 | 4-5 | 25 | " | 3-4 | " | " | 1-2 | 1-2 | 26 | " | 1-2 | " | " | " | " | 27 | " | 3-4 | " | " | " | " | 28-31 | " | 1 | " | " | 1 | 1 |
| Fechas   | Día | Noche   | T(a)   | A(mic.)                                       | T(s)  | A(mic.)   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 1-3  | 3-5 | 3-5   | 1  | 3-5   | 1   | 1   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 4  | "   | 1-2   | "  | "   | 1-2   | 1   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 5-9  | "   | 1   | "  | "   | 1   | 1   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 10   | "   | 1-2   | "  | "   | 1-2   | 1   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 11   | "   | "   | "  | "   | 1   | 1   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 12-13  | "   | 1   | "  | "   | "   | "   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 14   | 4-6 | 1-2   | 4-6  | 1-2   | 1-2   | 1-2   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 15-18  | 3-5 | 1   | 3-5  | 1   | 1   | 1   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 19   | "   | 1-2   | "  | "   | 1-2   | 1-2   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 20-21  | "   | 2-3   | "  | "   | 2-3   | 2-3   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 22-23  | "   | 1-2   | "  | "   | "   | "   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 24   | "   | 2-3   | "  | "   | 4-5   | 4-5   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 25   | "   | 3-4   | "  | "   | 1-2   | 1-2   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 26   | "   | 1-2   | "  | "   | "   | "   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 27   | "   | 3-4   | "  | "   | "   | "   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 28-31  | "   | 1   | "  | "   | 1   | 1   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |
| 61   | 23  | 1Pg<br>P2<br>P3<br>P5                             | 12 14 13<br>16<br>20<br>33                                     | 1<br>2<br>"<br>"                              |   |   |  |  |                                   |        |     |       |      |         |      |         |     |     |     |   |     |   |   |   |   |     |   |   |     |   |     |   |   |   |   |   |   |    |   |     |   |   |     |   |    |   |   |   |   |   |   |       |   |   |   |   |   |   |    |     |     |     |     |     |     |       |     |   |     |   |   |   |    |   |     |   |   |     |     |       |   |     |   |   |     |     |       |   |     |   |   |   |   |    |   |     |   |   |     |     |    |   |     |   |   |     |     |    |   |     |   |   |   |   |    |   |     |   |   |   |   |       |   |   |   |   |   |   |

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Observatorio de Cartuja

Granada

Boletín sísmico provisional. - Abril 1945

| Nº | Día | Fase   | h. m. s.   | T.  | Nº | Día | Fase  | h. m. s.   | T.                                       |
|----|-----|--|--|---|----|-----|---|--|--|
| 65 | 2   | L<br>M<br>F                                  | 0 27,5<br>38 56<br>1,2   | 35<br>16                                  | 73 | 10  | M<br>F  | 2 18 58<br>3,1 F. N.   | 19                                       |
|    |     |  |  |   |    |     |   | D=93°=10.330 kms   |  |
| 66 | 2   | ePg<br>Sg<br>F                               | 2 6 15<br>17<br>6,5<br>(D=15 kms.)   | ráp.<br>1                                 | 74 | 10  | LM<br>F   | 17 10,0<br>17,9  | 20                                       |
|    |     |  |  |   |    |     |   | Indescifrable por F. N. y superposición de líneas en los magneto-fotográficos.                               |  |
| 67 | 2   | Pg<br>Sg<br>F                                | 17 34 49<br>53<br>55,1   | ráp.<br>1                                 | 75 | 14  | L<br>M<br>F   | 19 14,4<br>13 11<br>19,3   | 30<br>21                                 |
| 68 | 4   | 1Pz<br>pP<br>1S<br>SS<br>sSS<br>1L<br>M<br>F | 0 47 30<br>40<br>55 25<br>59 22<br>1 1 13<br>8,4<br>13 26<br>2,4 h=40 kms.<br>D=50°=6.450 kms. | comp. 5<br>"<br>9<br>15<br>16<br>21<br>13 | 76 | 14  | L<br>M<br>F   | 20 13,5<br>24 54<br>21,1   | 30<br>21                                 |
| 69 | 5   | 1(S)<br>1L<br>M<br>F                         | 4 40 25<br>45,4<br>46 31<br>5,2 F. N.  | 9<br>17<br>16                             | 77 | 15  | 1Pz<br>pP<br>1PzP<br>SSP<br>1S<br>SS<br>L<br>M<br>F | 2 48 2 comp. 3<br>51 11<br>30<br>58 10<br>40<br>3 4 17<br>25,8<br>28 17<br>7,1 h=40 kms.<br>D=87°=9.670 kms. | 3<br>"<br>"<br>12<br>"<br>15<br>40<br>20 |
|    |     |  |  |   |    |     |   | Muy violento.  |  |
| 70 | 6   | e<br>LM<br>F                                 | 0 38 36<br>50,7<br>1,1   | 12<br>21                                  | 78 | 15  | 1Pz<br>eS   | 3 54 10 comp. 3<br>4 5 6   | 3<br>14                                  |
|    |     |  |  |   |    |     |   | Réplica del anterior, con el que se confunden sus fases.   |  |
| 71 | 8   | o<br>1<br>M<br>F                             | 2 20 43<br>28,2<br>41 44<br>3,4<br>Muy lejano.   | 15<br>24<br>20                            | 79 | 19  | 1PKP<br>PP<br>1Pz<br>SS<br>L<br>M<br>F              | 13 24 5<br>27 46<br>40/00<br>45 53<br>14 23,9<br>56 38<br>16,5<br>D=150°=16.670 kms.                         | 4<br>"<br>15<br>14<br>34<br>18           |
| 72 | 9   | L<br>M<br>F                                  | 22 16,0<br>19 29<br>25,4   | 24<br>21                                  | 80 | 19  | 1<br>L<br>M<br>F                                    | 19 9 24<br>20,0<br>21 7<br>20,2  | 13<br>20<br>18                           |
| 73 | 10  | 1Pz<br>S<br>SS<br>L<br>M                     | 1 39 24 dil.<br>30 33<br>56 36<br>2 7,8<br>15 18   | 3<br>11<br>15<br>37<br>27                 |    |     |   |  |  |

Observatorio de Cartuja

Boletín sísmico provisional, -Abril 1945

Granada

| Nº | Día | Fase  | h. m. s.                 | T.      | Nº | Día | Fase   | h. m. s.           | T.   |
|----|-----|-------|--------------------------|---------|----|-----|--------|--------------------|------|
| 81 | 20  | ePg   | 1 44 2                   | ráp.    | 88 | 22  | eP     | 4 6 25             | 3    |
|    |     | ISg   | 8                        | 1       |    |     | 1PKP   | 9 15               | 4    |
|    |     | F     | 44,6                     |         |    |     | (pPKP) | 20                 | "    |
|    |     |       | D = 50 kms.              |         |    |     | 1PP    | 11 53              | "    |
|    |     |       | Sentido en Huelma (Jaén) |         |    |     | PPS    | 23 53              | 13   |
|    |     |       | grado IV F.M.            |         |    |     | SS     | 29 13              | 18   |
| 82 | 20  | Pg    | 2 37 30,5                | ráp.    |    |     | SSS    | 35 16              | 30   |
|    |     | ISg   | 32                       | 1       |    |     | L      | 53,9               | 36   |
|    |     | F     | 37,7                     |         |    |     | M      | 5 10 31            | 21   |
|    |     |       | D = 10 kms.              |         |    |     | F      | 7,1                |      |
|    |     |       |                          |         |    |     |        | D=135°=15.000 kms. |      |
| 83 | 20  | L     | 4 23,6                   | 24      | 89 | 22  | PKP    | 10 10 10 d11.      | 3    |
|    |     | M     | 33 36                    | 18      |    |     | pPKP   | 10 25              | "    |
|    |     | F     | 4,9                      |         |    |     | PP     | 11 11              | "    |
| 84 | 20  | 1PKPz | 22 54 31                 | comp. 3 |    |     | 3IT    | 12 55              | "    |
|    |     | PP    | 23 0 1                   | "       |    |     | IS     | 19 5               | 17   |
|    |     | PPS   | 11 43                    | 15      |    |     | L      | 47,1               | 21   |
|    |     | 1SS   | 20 25                    | 17      |    |     | M      | 54 6               | 19   |
|    |     | L     | 59,9                     | 27      |    |     | F      | 12,5               |      |
| 85 | 21  | M     | 0 10 45                  | 19      |    |     |        | D=113°=12.900 kms. |      |
|    |     | F     | 4,7                      |         |    |     |        | h= 60 kms.         |      |
|    |     |       | D=180°=20.000 kms.       |         | 90 | 23  | Pg     | 2 31 26            | ráp. |
| 85 | 21  | 1P    | 2 46 23                  | 2       |    |     | SS     | 29                 | 1    |
|    |     | eS    | 52 56                    | 12      |    |     | F      | 31,9               |      |
|    |     | L     | 3 1,5                    | 22      |    |     |        | D = 25 kms.        |      |
|    |     | M     | 2 44                     | 10      | 91 | 23  | 1PKP   | 6 41 50            | 3    |
|    |     | F     | 3,6                      |         |    |     | 1PP    | 45 8               | "    |
|    |     |       | (D=43°=4.800 kms.)       |         |    |     | SKS    | 49 9               | 13   |
| 86 | 21  | 1P    | 17 26 56                 | 3       |    |     | PPS    | 59 9               | 16   |
|    |     | 1PoP  | 27 4                     | "       |    |     | SS     | 7 4 8              | 17   |
|    |     | IS    | 37 16                    | 12      |    |     | G      | 19,7               | 45   |
|    |     | SS    | 43 57                    | 13      |    |     | M      | 8 35 51            | 26   |
|    |     | L     | 55,9                     | 30      |    |     | F      | 9,3                |      |
|    |     | M     | 18 0 11                  | 23      |    |     |        | D=145°=16.100 kms. |      |
|    |     | F     | 19,2                     |         | 92 | 26  | ePg    | 12 28 1            | ráp. |
|    |     |       | D=85°=9.450 kms.         |         |    |     | ISg    | 4                  | 1    |
| 87 | 22  | eL    | 2 17,9                   | 24      |    |     | F      | 28,8               |      |
|    |     | M     | 25 7                     | 18      |    |     |        | D = 25 kms.        |      |
|    |     | F     | 2,6                      |         |    |     |        |                    |      |



| Nº | Día | Fase | h. m. s. | T.     | Agitación microsísmica, Marzo. |          |            |          |
|----|-----|------|----------|--------|--------------------------------|----------|------------|----------|
|    |     |      |          |        | Fechas                         | D í a.   | N o c h e. |          |
|    |     |      |          |        | T(s)                           | A(micr.) | T(s)       | A(micr.) |
| 93 | 27  | 1P4  | 17 45 26 | dil. 2 | 1-3                            | 3-5      | 3-5        | 1        |
|    |     | F5   | 36       | "      | 4                              | "        | "          | 1-2      |
|    |     | 18g  | 51       | 11     | 5-9                            | "        | "          | 1        |
|    |     | S4   | 46 9     | 3      | 10                             | "        | "          | 1-2      |
|    |     | S5   | 30       | 4      | 11                             | "        | "          | 1        |
|    |     | F    | 58,5     |        | 12-13                          | "        | "          | "        |

(D=270 kms.  
h=45 kms.)

Gráfica compleja; con la interpretación anterior coincide con las horas iniciales de Alicante y Toledo, y da un epicentro al S. de Cartagena.

|    |    |   |        |    |       |     |     |     |   |
|----|----|---|--------|----|-------|-----|-----|-----|---|
| 94 | 29 | L | 2 50,1 | 21 | 26    | 3-5 | 1-2 | 3-5 | " |
|    |    | M | 52 23  | 20 | 27    | "   | "   | "   | 1 |
|    |    | F | 3,9    |    | 28-31 | "   | 1   | "   | " |

|    |    |   |         |    | Abril. |     |     |     |     |
|----|----|---|---------|----|--------|-----|-----|-----|-----|
| 95 | 29 | L | 20 56,7 | 24 | 1-2    | 3-5 | 1   | 3-5 | 1   |
|    |    | M | 21 0 51 | 18 | 3      | "   | "   | "   | 1-2 |
|    |    | F | 22,1    |    | 4-7    | "   | 1-2 | "   | "   |

|    |    |   |         |    |    |     |     |     |     |
|----|----|---|---------|----|----|-----|-----|-----|-----|
| 96 | 30 | L | 17 53,7 | 24 | 8  | 4-6 | 2-3 | 4-6 | 2-3 |
|    |    | M | 18 3 38 | 15 | 9  | "   | 3-4 | "   | 3-4 |
|    |    | F | 19,2    |    | 10 | "   | 4-5 | "   | 5-6 |

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El Director:

|  |  |  |  |  |       |     |     |     |     |
|--|--|--|--|--|-------|-----|-----|-----|-----|
|  |  |  |  |  | 11    | "   | 3-4 | "   | 3-4 |
|  |  |  |  |  | 12    | 3-5 | 1   | 3-5 | 1   |
|  |  |  |  |  | 13    | "   | 1-2 | "   | 2-3 |
|  |  |  |  |  | 14    | "   | 1   | "   | 1   |
|  |  |  |  |  | 15    | "   | 1-2 | "   | 2-3 |
|  |  |  |  |  | 16    | 4-6 | 2-3 | 4-6 | "   |
|  |  |  |  |  | 17    | "   | "   | "   | 3-4 |
|  |  |  |  |  | 18    | "   | "   | 3-5 | 1-2 |
|  |  |  |  |  | 19    | 3-5 | 1-2 | "   | "   |
|  |  |  |  |  | 20-30 | "   | 1   | "   | 1   |

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Observatorio de Cartuja  
Granada Boletín sísmico provisional. - Mayo 1945

| Nº  | Día | Fase                           | h. m. s.      | T. | Nº  | Día | Fase                 | h. m. s.       | T. |  |
|-----|-----|--------------------------------|---------------|----|-----|-----|----------------------|----------------|----|--|
| 97  | 1   | L                              | 4 40,7        | 22 | 105 | 9   | iPz                  | 23 52 4 dil.   | 3  |  |
|     |     | M                              | 48 0          | 21 |     |     | S                    | 0 3 9          | 10 |  |
|     |     | F                              | 5,7           |    |     |     | SS                   | 8 59           | 17 |  |
| 98  | 1   | iPz                            | 6 9 58 dil.   | 3  |     |     | L                    | 27,9           | 26 |  |
|     |     | pP                             | 10 38         | 5  |     |     | M                    | 37 56          | 19 |  |
|     |     | iS                             | 20 16         | 17 |     |     | F                    | 1,6            |    |  |
|     |     | SS                             | 21 30         | "  |     |     | D=92°=10.200 kms.    |                |    |  |
|     |     | eSS                            | 26 48         | 15 | 106 | 10  | e(F)                 | 2 6 42         | 14 |  |
|     |     | SSS                            | 27 42         | 12 |     |     | iL                   | 34,6           | 36 |  |
|     |     | L                              | 38,8          | 21 |     |     | M                    | 39 26          | 19 |  |
|     |     | M                              | 52 12         | 17 |     |     | F                    | 3,3            |    |  |
|     |     | F                              | 7,9           |    | 107 | 10  | iPz                  | 18 5 56 comp.  | 3  |  |
|     |     | D=87°=9.670 kms.<br>h=150 kms. |               |    |     |     | S                    | 15 35          | 12 |  |
| 99  | 1   | L                              | 8 42,1        | 24 |     |     | L                    | 35,7           | 30 |  |
|     |     | M                              | 48 45         | 18 |     |     | M                    | 43 9           | 20 |  |
|     |     | F                              | 9,5           |    |     |     | F                    | 19,3           |    |  |
|     |     | D=87°=9.670 kms.               |               |    | 108 | 11  | i(F)                 | 22 10 26 comp. | 3  |  |
| 100 | 1   | e                              | 23 42 52      | 10 |     |     | eS                   | 21 4           | 14 |  |
|     |     | L                              | 53,7          | 24 |     |     | L                    | 38,8           | 38 |  |
|     |     | M                              | 58 5          | 18 |     |     | M                    | 50 40          | 17 |  |
|     |     | F                              | 24,6          |    |     |     | F                    | 23,9           |    |  |
|     |     | D=87°=9.670 kms.               |               |    | 109 | 12  | Pn                   | 20 39 48       | 2  |  |
| 101 | 3   | L                              | 11 51,0       | 41 |     |     | P3                   | 40 7           | 2  |  |
|     |     | M                              | 12 0 48       | 18 |     |     | P5                   | 17             | "  |  |
|     |     | F                              | 12,7          |    |     |     | P3S2                 | 40             | "  |  |
| 102 | 5   | i                              | 2 37 50       | 5  |     |     | iS                   | 55             | 7  |  |
|     |     | L                              | 47,9          | 30 |     |     | M                    | 42 13          | 5  |  |
|     |     | M                              | 55 56         | 16 |     |     | F                    | 49,8           |    |  |
|     |     | F                              | 3,3           |    |     |     | D=400 kms. h=50 kms. |                |    |  |
| 103 | 6   | ePn                            | 18 25 15      | 1  | 110 | 13  | eP                   | 20 41 22       | 6  |  |
|     |     | iSg                            | 46            | 12 |     |     | eS                   | 50 57          | 11 |  |
|     |     | S2                             | 50            | "  |     |     | L                    | 21 10,9        | 24 |  |
|     |     | S4                             | 26 4          | "  |     |     | M                    | 19 28          | 18 |  |
|     |     | F                              | 27,2          |    |     |     | F                    | 22,2           |    |  |
|     |     | D=215 kms. h=40 kms.           |               |    |     |     | D=77°=8.600 kms.     |                |    |  |
| 104 | 9   | PKPz                           | 3 52 54 comp. | 3  | 111 | 14  | Pg                   | 6 34 12        | 2  |  |
|     |     | iPP                            | 55 46         | 7  |     |     | P2                   | 16             | "  |  |
|     |     | SKKS                           | 4 2 41        | 12 |     |     | P4                   | 28             | "  |  |
|     |     | PPS                            | 7 1           | "  |     |     | PS                   | 34             | "  |  |
|     |     | SS                             | 16 6          | 18 |     |     | P3S                  | 36             | "  |  |
|     |     | L                              | 48,5          | 32 |     |     | iSg                  | 42             | 3  |  |
|     |     | M                              | 57 3          | 18 |     |     | S2                   | 49             | "  |  |
|     |     | F                              | 5,7           |    |     |     | D=140°=15.600 kms.   |                |    |  |

Granada

Boletín sísmico provisional. - Mayo 1945

| Nº     | Día  | Fase                              | h.   | m.       | s. | T.                       | Nº  | Día | Fase             | h. | m.   | s. | T.             |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
|--------|------|-----------------------------------|------|----------|----|--------------------------|---|-----|------------------|----|------|----|----------------|------|----------|------|----------|---|-----|-----|-----|-----|-----|---|-----|---|-----|---|---|-----|---|---|---|---|---|---|---|------|---|-----|---|-----|----|-----|---|---|---|-------|-----|---|---|---|----|-----|---|-----|---|----|-----|-----|-----|-----|-------|-----|---|---|---|----|---|-----|---|-----|----|---|-----|---|-----|-------|---|-----|---|-----|----|---|-----|---|-----|-------|---|---|---|---|
| 111    | 14   | P33<br>F                          | 6    | 35       | 52 | 3                        | 120   | 19  | L<br>L<br>M<br>F | 15 | 30   | 33 | 11<br>40<br>22 |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
|        |      |                                   |      |          |    |                          | D=250 kms h=0-5 kms.<br>Sentido en Jumilla y Yecia, gr. VI.   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 112    | 15   | Pg<br>Sg<br>F                     | 11   | 57       | 54 | ráp.<br>3                | 121   | 27  | L<br>M<br>F      | 22 | 33,3 |    | 32<br>17       |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
|        |      |                                   |      |          |    |                          | (D=300 kms.)  |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 113    | 16   | L<br>M<br>F                       | 3    | 53,4     |    | 27<br>21                 | 122   | 28  | L<br>M<br>F      | 11 | 34,7 |    | 30<br>18       |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
|        |      |                                   |      |          |    |                          | Fases anteriores perdidas por falta de fluido eléctrico.  |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 114    | 17   | L<br>M<br>F                       | 1    | 5,7      |    | 21<br>"                  | 123   | 31  | L<br>M<br>F      | 19 | 1,9  |    | 33<br>20       |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 115    | 17   | ePg<br>Sg<br>F                    | 18   | 17       | 26 | 1<br>2                   | 124   | 31  | L<br>M<br>F      | 23 | 31,8 |    | 24<br>18       |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
|        |      |                                   |      |          |    |                          | D=110 kms. h= 10 kms.   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 116    | 19   | e<br>L<br>M<br>F                  | 0    | 8        | 42 | 12<br>38<br>20           | Agitación microsísmica del suelo.<br>Día Noche  |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
|        |      |                                   |      |          |    |                          | <table border="1"> <thead> <tr> <th>Fechas</th> <th>T(s)</th> <th>A(micr.)</th> <th>T(s)</th> <th>A(micr.)</th> </tr> </thead> <tbody> <tr><td>1</td><td>3-5</td><td>1-2</td><td>3-5</td><td>1-2</td></tr> <tr><td>2-3</td><td>"</td><td>2-3</td><td>"</td><td>2-3</td></tr> <tr><td>4</td><td>"</td><td>1-2</td><td>"</td><td>1</td></tr> <tr><td>5</td><td>"</td><td>1</td><td>"</td><td>"</td></tr> <tr><td>6-12</td><td>"</td><td>1-2</td><td>"</td><td>1-2</td></tr> <tr><td>13</td><td>2-4</td><td>"</td><td>"</td><td>1</td></tr> <tr><td>14-16</td><td>3-5</td><td>1</td><td>"</td><td>"</td></tr> <tr><td>19</td><td>4-6</td><td>"</td><td>4-6</td><td>"</td></tr> <tr><td>20</td><td>3-6</td><td>1-2</td><td>3-5</td><td>1-2</td></tr> <tr><td>21-22</td><td>3-5</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>23</td><td>"</td><td>2-3</td><td>"</td><td>2-3</td></tr> <tr><td>24</td><td>"</td><td>3-4</td><td>"</td><td>3-4</td></tr> <tr><td>25-26</td><td>"</td><td>2-3</td><td>"</td><td>2-3</td></tr> <tr><td>27</td><td>"</td><td>1-2</td><td>"</td><td>1-2</td></tr> <tr><td>28-31</td><td>"</td><td>1</td><td>"</td><td>1</td></tr> </tbody> </table> |     |                  |    |      |    | Fechas         | T(s) | A(micr.) | T(s) | A(micr.) | 1 | 3-5 | 1-2 | 3-5 | 1-2 | 2-3 | " | 2-3 | " | 2-3 | 4 | " | 1-2 | " | 1 | 5 | " | 1 | " | " | 6-12 | " | 1-2 | " | 1-2 | 13 | 2-4 | " | " | 1 | 14-16 | 3-5 | 1 | " | " | 19 | 4-6 | " | 4-6 | " | 20 | 3-6 | 1-2 | 3-5 | 1-2 | 21-22 | 3-5 | " | " | " | 23 | " | 2-3 | " | 2-3 | 24 | " | 3-4 | " | 3-4 | 25-26 | " | 2-3 | " | 2-3 | 27 | " | 1-2 | " | 1-2 | 28-31 | " | 1 | " | 1 |
| Fechas | T(s) | A(micr.)                          | T(s) | A(micr.) |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 1      | 3-5  | 1-2                               | 3-5  | 1-2      |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 2-3    | "    | 2-3                               | "    | 2-3      |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 4      | "    | 1-2                               | "    | 1        |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 5      | "    | 1                                 | "    | "        |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 6-12   | "    | 1-2                               | "    | 1-2      |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 13     | 2-4  | "                                 | "    | 1        |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 14-16  | 3-5  | 1                                 | "    | "        |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 19     | 4-6  | "                                 | 4-6  | "        |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 20     | 3-6  | 1-2                               | 3-5  | 1-2      |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 21-22  | 3-5  | "                                 | "    | "        |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 23     | "    | 2-3                               | "    | 2-3      |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 24     | "    | 3-4                               | "    | 3-4      |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 25-26  | "    | 2-3                               | "    | 2-3      |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 27     | "    | 1-2                               | "    | 1-2      |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 28-31  | "    | 1                                 | "    | 1        |    |                          |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 117    | 19   | ePKP<br>ePP<br>eSB<br>L<br>M<br>F | 3    | 2        | 42 | 5<br>"<br>15<br>24<br>20 | Faltó el registro de la componente vertical. - (D=150"=16.700 kms.)   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 118    | 19   | L<br>M<br>F                       | 5    | 50,0     |    | 21<br>16                 |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 119    | 19   | ePg<br>eSg<br>F                   | 5    | 54       | 22 | ráp.<br>25,5             | El Director:  |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
|        |      |                                   |      |          |    |                          | <i>Antonio Duc S.Y.</i>   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |
| 120    | 19   | 1F<br>1F02                        | 15   | 19       | 53 | 2<br>"                   |   |     |                  |    |      |    |                |      |          |      |          |   |     |     |     |     |     |   |     |   |     |   |   |     |   |   |   |   |   |   |   |      |   |     |   |     |    |     |   |   |   |       |     |   |   |   |    |     |   |     |   |    |     |     |     |     |       |     |   |   |   |    |   |     |   |     |    |   |     |   |     |       |   |     |   |     |    |   |     |   |     |       |   |   |   |   |



Observatorio de Cartuja

Granada Boletín sísmico provisional. - Junio 1945

| Nº  | Día | Fase | h. | m. | s. | T.    | Nº  | Día | Fase | h. | m. | s. | T.   |
|-----|-----|------|----|----|----|-------|-----|-----|------|----|----|----|--|
| 125 | 1   | L    | 16 | 0  | 0  | 30    | 131 | 6   | L    | 7  | 12 | 8  | 18   |
|     |     | M    |    | 8  | 16 | 18    |     |     | M    |    | 16 | 10 | 17   |
|     |     | F    |    | 17 | 4  |       |     |     | F    |    | 7  | 7  |  |
|     |     |      |    |    |    |       |     |     |      |    |    |    | D=31°=3.450 kms.   |
| 126 | 1   | P    | 22 | 32 | 1  | 5     | 132 | 7   | P    | 1  | 26 | 52 | 5  |
|     |     | S    |    | 38 | 11 | 10    |     |     | pp   |    | 27 | 6  | "  |
|     |     | L    |    | 43 | 7  | 27    |     |     | es   |    | 31 | 32 | 13   |
|     |     |      |    |    |    |       |     |     | L    |    | 35 | 8  | 18   |
|     |     |      |    |    |    |       |     |     | M    |    | 39 | 29 | 16   |
|     |     |      |    |    |    |       |     |     | F    |    | 2  | 2  |  |
|     |     |      |    |    |    |       |     |     |      |    |    |    | D=28°=3.100 kms.   |
| 127 | 3   | ePg  | 0  | 45 | 2  | ráp.  | 133 | 10  | L    | 23 | 5  | 2  | 25   |
|     |     | 18g  |    |    | 24 | 1     |     |     | M    |    | 12 | 1  | 18   |
|     |     | F    |    | 50 | 1  |       |     |     | F    |    | 23 | 5  |  |
|     |     |      |    |    |    |       |     |     |      |    |    |    | D=160 kms. h=20 kms.   |
|     |     |      |    |    |    |       |     |     |      |    |    |    | Epicentro probable en el   |
|     |     |      |    |    |    |       |     |     |      |    |    |    | Golfo Bético-Iifeño.   |
| 128 | 3   | 1Pz  | 13 | 17 | 27 | comp. | 134 | 11  | e    | 0  | 48 | 6  | 10   |
|     |     | PcP  |    |    | 41 | "     |     |     | L    |    | 59 | 6  | 22   |
|     |     | 18   |    | 27 | 12 | 13    |     |     | M    |    | 1  | 3  | 40   |
|     |     | 18S  |    | 32 | 40 | 21    |     |     | F    |    | 1  | 4  | 20   |
|     |     | SSS  |    | 35 | 50 | 12    |     |     |      |    |    |    | No muy lejano.   |
|     |     | L    |    | 42 | 3  | 30    | 135 | 11  | L    | 4  | 19 | 3  | 20   |
|     |     | M    |    | 48 | 33 | 18    |     |     | M    |    | 32 | 21 | "  |
|     |     | F    |    | 16 | 4  |       |     |     | F    |    | 4  | 8  |  |
|     |     |      |    |    |    |       |     |     |      |    |    |    | D=76°=8.450 kms.   |
| 129 | 4   | 1P   | 12 | 20 | 2  | 5     | 136 | 14  | e    | 1  | 7  | 54 | 5  |
|     |     | pp   |    |    | 16 | "     |     |     | L    |    | 37 | 9  | 40   |
|     |     | PcP  |    |    | 47 | "     |     |     | M    |    | 45 | 34 | 17   |
|     |     | 18   |    | 28 | 54 | 9     |     |     | F    |    | 2  | 4  |  |
|     |     | M    |    | 52 | 23 | 18    |     |     |      |    |    |    | (D=460 kms. h=25 kms.)   |
|     |     | F    |    | 13 | 5  |       | 137 | 17  | Pg   | 9  | 45 | 21 | 1  |
|     |     |      |    |    |    |       |     |     | Sg   |    | 46 | 20 | 4  |
|     |     |      |    |    |    |       |     |     | S3   |    |    | 23 | "  |
|     |     |      |    |    |    |       |     |     | S5   |    |    | 38 | "  |
|     |     |      |    |    |    |       |     |     | F    |    | 48 | 8  |  |
| 130 | 5   | Pg   | 15 | 21 | 1  | ráp.  |     |     |      |    |    |    |  |
|     |     | 18g  |    |    | 7  | 1     |     |     |      |    |    |    |  |
|     |     | M    |    |    | 10 | 2     |     |     |      |    |    |    |  |
|     |     | F    |    | 23 | 4  |       |     |     |      |    |    |    |  |
|     |     |      |    |    |    |       |     |     |      |    |    |    | D=42 kms. h=25 kms.  |
|     |     |      |    |    |    |       |     |     |      |    |    |    | Sentido en Huelma (Jaén)   |
|     |     |      |    |    |    |       |     |     |      |    |    |    | grado IV-V.  |
| 131 | 6   | P    | 7  | 5  | 48 | 4     | 138 | 19  | 1(P) | 17 | 56 | 45 | 5  |
|     |     | pp   |    | 6  | 10 | 6     |     |     | 1    |    | 57 | 7  | "  |
|     |     | S    |    | 10 | 46 | 10    |     |     |      |    |    |    | (Sin registro en las com-<br>ponentes horizontales por F.<br>M. de periodo lento.) |
|     |     |      |    |    |    |       | 139 | 20  | ePPP | 1  | 40 | 58 | 5  |
|     |     |      |    |    |    |       |     |     | S    |    | 47 | 44 | 18   |

*Cartuja*

Observatorio de Cartuja

Granada Boletín sísmico provisional. - Junio 1945

| Nº               | Día | Fase                           | h. m. s. | T.   | Nº  | Día                | Fase  | h. m. s.    | T. |          |          |
|------------------|-----|--------------------------------|----------|------|-----|--------------------|---|-------------|----|----------|----------|
| 139              | 20  | PS                             | 1 49 25  | 12   | 145 | 24                 | L   | 18 11,9     | 24 |          |          |
|                  |     | L                              | 2 12,2   | 33   |     |                    | M   | 16 50       | 19 |          |          |
|                  |     | M                              | 29 32    | 18   |     |                    | F   | 18,6        |    |          |          |
|                  |     | F                              | 3,2      |      |     |                    |   |             |    |          |          |
|                  |     | D=114°=12.670 kms.             |          |      |     |                    |   | 146         | 24 | eP       | 20 11 12 |
| 140              | 20  | P                              | 17 47 59 | 3    |     |                    | iS  | 22 21       | 10 |          |          |
|                  |     | PP                             | 52 9     | "    |     |                    | sS  | 23 38       | 6  |          |          |
|                  |     | PPP                            | 54 51    | "    |     |                    | SS  | 28 37 28 37 | 13 |          |          |
|                  |     | S                              | 59 24    | 16   |     |                    | eL  | 42 44,7     | 24 |          |          |
|                  |     | SS                             | 18 5 30  | 15   |     |                    | M   | 55 37 7 49  | 18 |          |          |
|                  |     | L                              | 25,7     | 28   |     |                    | F   | 22,8        |    |          |          |
|                  |     | M                              | 35 9     | 16   |     |                    | D=94°=10.450 kms.<br>h=140 kms.                         |             |    |          |          |
|                  |     | F                              | 20,2     |      |     |                    | 147   | 27          | iP | 13 21 12 | 5        |
|                  |     | D=105°=11.670 kms.             |          |      |     |                    |   |             | iS | 31 49    | 8        |
| 141              | 22  | iP                             | 9 31 56  | 5    |     |                    | SS  | 37 25       | 9  |          |          |
|                  |     | pP                             | 32 49    | "    |     |                    | eL  | 44,1        | 30 |          |          |
|                  |     | S                              | 42 17    | 12   |     |                    | M   | 53 7        | 18 |          |          |
|                  |     | iss                            | 43 53    | 6    |     |                    | F   | 14,8        |    |          |          |
|                  |     | SS                             | 52 56    | 15   |     |                    | D=88°=9.780 kms.  |             |    |          |          |
|                  |     | iL                             | 10 7,7   | 30   |     |                    | (Datos de los CARTUJAS, por falta de fluido eléctrico.) |             |    |          |          |
|                  |     | M                              | 15 45    | 18   |     |                    | 148   | 29          | iP | 4 39 15  | 3        |
|                  |     | F                              | 12,3     |      |     |                    |   |             | pP | 27       | "        |
|                  |     | D=88°=9.780 kms.<br>h=180 kms. |          |      |     |                    |   |             | PP | 57       | "        |
| 142              | 22  | iP                             | 18 11 28 | 4    |     |                    | PcP   | 40 9        | "  |          |          |
|                  |     | PcP                            | 53       | "    |     |                    | PPP   | 21          | "  |          |          |
|                  |     | S                              | 19 54    | 15   |     |                    | S   | 45 27       | 9  |          |          |
|                  |     | SS                             | 25 3     | 13   |     |                    | SS  | 48 21       | 19 |          |          |
|                  |     | iL                             | 39 8     | 17   |     |                    | L   | 51,2        | 20 |          |          |
|                  |     | M                              | 46 44    | 16   |     |                    | M   | 53 15       | 15 |          |          |
|                  |     | F                              | 21,9     |      |     |                    | F   | 5,9         |    |          |          |
| D=64°=7.110 kms. |     |                                |          |      |     | D=41,5°=4.610 kms. |   |             |    |          |          |
| 143              | 23  | eS                             | 20 50 26 | 14   | 149 | 29                 | L   | 15 43,5     | 20 |          |          |
|                  |     | L                              | 21 15,9  | 30   |     |                    | i   | 44 21       | 3  |          |          |
|                  |     | M                              | 21 1     | 15   |     |                    | F   | 16,0        |    |          |          |
|                  |     | F                              | 22,4     |      |     |                    | Cercano.  |             |    |          |          |
| 144              | 24  | ePg                            | 2 14 30  | rap. | 150 | 30                 | P   | 5 44 55     | 3  |          |          |
|                  |     | Sg                             | 35       | 1    |     |                    | PP  | 49 4        | 4  |          |          |
|                  |     | F                              | 15,7     |      |     |                    | PPP   | 50 30       | 5  |          |          |
| D=40 kms.        |     |                                |          |      |     |                    | SKS   | 55 44       | 6  |          |          |

Observatorio de Cartuja

Granada

Boletín sísmico provisional. - Junio 1945

| Nº   | Día | Fase | h. m. s. |    |      | T.                   | Agitación microsísmica. |       |       |       |          |
|--|-----|------|----------|----|------|----------------------|-------------------------|-------|-------|-------|----------|
|  |     |      | h.       | m. | s.   |                      | Fechas                  | Día   | Noche | T(s)  | A(micr.) |
| 150  | 30  | IS   | 5        | 56 | 15   | 8                    | 1-2                     | 3-5   | 1     | 3-5   | 1        |
|  |     | SS   | 6        | 3  | 30   | 18                   |                         |       |       |       |          |
|  |     | L    |          |    | 18,4 | 30                   |                         |       |       |       |          |
|  |     | M    |          | 28 | 1    | 18                   |                         |       |       |       |          |
|  |     | F    |          |    | 8,7  |                      |                         |       |       |       |          |
| D-98°=10.890 kms.  |     |      |          |    |      |                      |                         |       |       |       |          |
| -----  |     |      |          |    |      |                      |                         |       |       |       |          |
| Nota. - Durante el mes ha faltado el fluido eléctrico con bastante irregularidad, principalmente en la primera quincena. |     |      |          |    |      | 18-20                | 3-5                     | 1-2   | 3-5   | 1-2   |          |
| Salvo un espacio de pocos días, la componente vertical ha estado fuera de servicio casi todo el mes.                     |     |      |          |    |      | 21-22                | "                       | 1     | "     | 1     |          |
|  |     |      |          |    |      | 23                   | "                       | 1-2   | "     | 1-2   |          |
|  |     |      |          |    |      | 24-26                | "                       | 1     | "     | 1     |          |
|  |     |      |          |    |      | 27-28                | "                       | 0,5-1 | "     | 0,5-1 |          |
|  |     |      |          |    |      | 29                   | 2-4                     | 1-2   | 2-4   | 2-3   |          |
|  |     |      |          |    |      | 30                   | "                       | "     | "     | 1-2   |          |
| oooooooooooooooooooo   |     |      |          |    |      | oooooooooooooooooooo |                         |       |       |       |          |

El Director:

*Antonio Duc S.Y.*



Observatorio de Cartuja

Granada

Boletín sísmico provisional. -Julio 1945

| Nº  | Día | Fase | h. m. s. | T. |
|-----|-----|------|----------|----|
| 151 | 1   | Pg   | 3 19 0   | 1  |
|     |     | Sg   | 40       | 5  |
|     |     | M    | 20 3     | 9  |
|     |     | F    | 26,0     |    |

D=330 kms h=25 kms.

Próximo a Onteniente  
(Pg coincide con la marca horaria del minuto.)

|     |   |    |         |    |
|-----|---|----|---------|----|
| 152 | 9 | P  | 16 54 1 | 2  |
|     |   | IS | 17 3 15 | 13 |
|     |   | eL | 24,1    | 21 |
|     |   | M  | 25 20   | 26 |
|     |   | F  | 18,1    |    |

D=78<sup>o</sup>=8.670 kms.

|     |    |    |         |    |
|-----|----|----|---------|----|
| 153 | 11 | IP | 0 41 11 | 3  |
|     |    | IS | 52 59   | 9  |
|     |    | L  | 1 12,5  | 21 |
|     |    | M  | 17 33   | 18 |
|     |    | F  | 1,9     |    |

|     |    |      |         |    |
|-----|----|------|---------|----|
| 154 | 15 | eP   | 5 53 59 | 3  |
|     |    | ipP  | 55 9    | 4  |
|     |    | eSKS | 6 4 26  | 7  |
|     |    | eS   | 47      | 8  |
|     |    | L    | 32,7    | 30 |
|     |    | M    | 41 2    | 18 |
|     |    | F    | 7,3     |    |

(D=94<sup>o</sup>=10.500 kms  
h=170 kms.)

|     |    |    |          |   |
|-----|----|----|----------|---|
| 155 | 20 | Sg | 20 36 45 | 1 |
|     |    | F  | 37,0     |   |

Local débil.

|     |    |    |        |    |
|-----|----|----|--------|----|
| 156 | 21 | eL | 23 2,6 | 30 |
|     |    | M  | 7 2    | 18 |
|     |    | F  | 23,9   |    |

|     |    |      |          |    |
|-----|----|------|----------|----|
| 157 | 22 | eP   | 10 53 56 | 4  |
|     |    | i(S) | 11 2 29  | 6  |
|     |    | LM   | 31,9     | 20 |
|     |    | F    | 12,2     |    |

(D=75<sup>o</sup>=8.300 kms.)

| Nº  | Día | Fase | h. m. s. | T. |
|-----|-----|------|----------|----|
| 158 | 23  | e(P) | 4 8 36   | 4  |
|     |     | i(S) | 19 26    | 7  |
|     |     | eL   | 45,5     | 24 |
|     |     | M    | 55 55    | 18 |

(D=91<sup>o</sup>=10.100 kms.)

|     |    |    |        |      |
|-----|----|----|--------|------|
| 159 | 27 | Pg | 4 7 53 | rap. |
|     |    | Sg | 55     | 1    |
|     |    | F  | 8,2    |      |

D=15 kms.

|     |    |   |        |    |
|-----|----|---|--------|----|
| 160 | 28 | L | 1 30,4 | 26 |
|     |    | M | 37 7   | 18 |
|     |    | F | 2,3    |    |

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Nota. -Durante todo el mes, las bandas fotográficas, salvo un par de horas al día, han resultado indescifrables por la caída de voltaje eléctrico; la mayor parte de los datos son de los CARTUJAS.

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Agitación microsísmica.

| Fechas | D í a |          | N o c h e. |          |
|--------|-------|----------|------------|----------|
|        | T(s)  | A(micr.) | T(s)       | A(micr.) |
| 1-4    | 3-5   | 1        | 3-5        | 1        |
| 5      | "     | 1-2      | "          | 2-3      |
| 6      | "     | 2-3      | "          | 1-2      |
| 7-9    | "     | 1/7      | "          | 7/1      |
| 10-13  | "     | 1-2      | "          | 1-2      |
| 14     | "     | "        | "          | 2-3      |
| 15     | "     | "        | "          | 1        |
| 16-30  | "     | 1        | "          | "        |
| 31     | "     | "        | "          | 1-2      |

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El Director:

Observatorio de Cartuja

16

Granada

Boletín sísmico provisional. - Agosto 1945

| Nº  | Día | Fase   | h. m. s.           | T.   | Nº  | Día | Fase | h. m. s.             | T.   |
|-----|-----|--------|--------------------|------|-----|-----|------|----------------------|------|
| 161 | 1   | eP     | 22 38 58           | 4    | 168 | 8   | eP   | 10 5 5               | 6    |
|     |     | SKS    | 49 36              | 15   |     |     | iS   | 17 11                | 12   |
|     |     | SS     | 59 45              | 18   |     |     | L    | 45,0                 | 24   |
|     |     | L      | 23 18,1            | 30   |     |     | M    | 51 2                 | 17   |
|     |     | M      | 27 27              | 16   |     |     | F    | 11,5                 |      |
|     |     | F      | 24,5               |      |     |     |      | (D=110°=12.200 kms.) |      |
|     |     |        | (115°=12.700 kms.) |      |     |     |      |                      |      |
| 162 | 2   | eP     | 18 8 33            | 7    | 169 | 9   | LM   | 22 57,0              | 18   |
|     |     | (PPP)  | 16 57              | 10   |     |     | F    | 23,1                 |      |
|     |     | (SKKS) | 21 0               | 12   | 170 | 10  | iP   | 11 32 26             | 5    |
|     |     | LM     | 19 0,1             | 18   |     |     | eS   | 42 15                | 9    |
|     |     | F      | 19,3               |      |     |     | eLM  | 53,8                 | 26   |
|     |     |        | (113°=12.500 kms.) |      |     |     | F    | 12,0                 |      |
|     |     |        |                    |      |     |     |      | D=79°=8.780 kms.     |      |
| 163 | 2   | eP     | 20 57 0            | 7    | 171 | 11  | P    | 0 45 39              | 6    |
|     |     | eS     | 21 6 57            | 9    |     |     | iS   | 55 54                | 9    |
|     |     | L      | 22,0               | 36   |     |     | L    | 1 10,2               | 24   |
|     |     | M      | 25 18              | 15   |     |     | M    | 13 54                | 21   |
|     |     | F      | 22,4               |      |     |     | F    | 2,1                  |      |
|     |     |        | 80°=8.900 kms.     |      |     |     |      | D=81°=9.000 kms.     |      |
| 164 | 3   | P      | 4 23 30            | 6    | 172 | 14  | P    | 12 24 15             | 6    |
|     |     | iS     | 33 27              | 11   |     |     | eSKS | 31 5                 | 8    |
|     |     | LM     | 45,6               |      |     |     | SS   | 42 4                 | 10   |
|     |     | F      | 4,9                |      |     |     | L    | 13 4,7               | 25   |
|     |     |        | 80°=8.890 kms.     |      |     |     | M    | 18 45                | 13   |
| 165 | 3   | Pg     | 7 6 11             | ráp. |     |     | F    | 13,8                 |      |
|     |     | SG     | 13                 | 1    |     |     |      | (D=116°=12.900 kms.) |      |
|     |     | F      | 6,6                |      |     |     |      |                      |      |
|     |     |        | D=15 kms.          |      | 173 | 17  | Pg   | 0 48 51              | ráp. |
| 166 | 4   | P      | 14 52 18           | 6    |     |     | SG   | 53                   | 1    |
|     |     | S      | 55 13              | 8    |     |     | F    | 41,1                 |      |
|     |     | L      | 57,6               | 15   |     |     |      | D=15 kms.            |      |
|     |     | M      | 58 22              | "    | 174 | 21  | iP   | 16 41 49             | 7    |
|     |     | F      | 15,5               |      |     |     | iS   | 51 56                | 11   |
|     |     |        | D=16°=1.780 kms.   |      |     |     | OL   | inapreciables.       |      |
| 167 | 6   | eP     | 23 13 19           | 7    | 175 | 21  | FKP  | 20 22 35             | 6    |
|     |     | i      | 22 49              | 10   |     |     | iP   | 26 59                | 5    |
|     |     | L      | 50,1               | 32   |     |     | SKKS | 36 41                | 9    |
|     |     | M      | 58 50              | 19   |     |     | SS   | 46 17                | 10   |
|     |     | F      | 24,7               |      |     |     | F    | 21,0                 |      |
|     |     |        |                    |      |     |     |      | (D=150°=16.700 kms.) |      |
| 168 | 8   | P      | 0 45 39            | 6    |     |     |      |                      |      |
|     |     | iS     | 55 54              | 9    |     |     |      |                      |      |

Cartuja



Observatorio de Cartuja

Granada Boletín sísmico provisional. - Agosto 1945

| Nº  | Día | Fase   | h. m. s.   | T.                                     | Nº   | Día         | Fase                                 | h. m. s.                   | T.  |
|-----|-----|--|--|--|--|-------------|--------------------------------------|----------------------------|---|
| 176 | 22  | LM<br>F  | 6 46,2<br>6,9  | 18                                     | 184  | 29          | L<br>M<br>F                          | 15 57,0<br>16 9 20<br>16,5 | 25<br>18  |
| 177 | 22  | Pg<br>Sg<br>F  | 12 1 8<br>9<br>1,3<br>D= 5 kms.  | ráp.<br>1                              | 185  | 30          | PKP <sub>1</sub><br>PKP <sub>2</sub> | 23 49 42<br>50 54          | 6<br>"  |
| 178 | 27  | e  | 1 49 13<br>(Véase la nota)   | 6                                      | 31   | L<br>M<br>F | 0 51,4<br>1 1 12<br>1,9              | 24<br>18                   | Probable réplica del nº 183; D=162°=18.000 kms. |
| 179 | 27  | (PP)<br>(PB)   | 7 54 1<br>8 3 0  | 7<br>12                                | Nota.-Casi todos los datos proceden de los CARTUJA, por falta de fluido eléctrico; a la misma causa obedece la falta de señales horarias en los fotográficos, únicos que han registrado el terremoto nº 178, cuya reseña aproximada es:  |             |                                      |                            |   |
| 180 | 27  | F<br>PP<br>PPP<br>S<br>LM débil<br>F   | 16 32 6<br>26<br>48<br>36 21<br>44,5<br>16,9                                     | 4<br>"<br>"<br>8<br>12                 | SKSP-TRP = 13,3 minutos<br>SS - " = 19,1 "<br>L - " = 57,0 "<br>M - " = 63,0 "<br>(D=150°=16.700 kms.)   |             |                                      |                            |   |
| 181 | 27  | Pg<br>P5<br>PS<br>Sg<br>S5<br>F  | 20 37 9<br>22<br>40<br>55<br>38 20<br>41,2                                       | 1<br>4<br>"<br>5<br>4                  | Agitación microsísmica del suelo.<br>Fechas      Día      Noche.<br>T(s)    A(mier.)    T(s)    A(mier.)<br>1-5            3-5            1            3-5            1<br>6            "            1-2            "            1-2<br>7            "            2-3            "            2-3<br>8            "            3-4            "            1-2<br>9-10          "            1            "            1<br>11            "            1-2            "            1-2<br>12-13          2-4            "            2-4            "<br>14-17          3-5            1            3-5            1<br>18-19          "            1-2            "            1-2<br>20-21          "            1            "            1<br>22-23          "            1-2            "            1-2<br>24-31          "            1            "            1 |             |                                      |                            |   |
| 182 | 28  | e<br>L<br>M<br>F   | 19 48 58<br>20 14,0<br>22 57<br>20,9   | 7<br>24<br>18                          | D=370 kms. h = 25 kms.   |             |                                      |                            |   |
| 183 | 29  | PKP <sub>1</sub><br>PKP <sub>2</sub><br>PP<br>SKS<br>SKKS<br>SKSP<br>L<br>M<br>F | 10 42 45<br>43 30<br>47 18<br>49 3<br>53 15<br>57 21<br>11 44,5<br>55 12<br>12,6 | 5<br>"<br>6<br>"<br>7<br>9<br>36<br>20 | D=162°=18.000 kms.   |             |                                      |                            |   |

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 El Director:



Antonio Duc S. J.

Granada

Boletín sísmico provisional. - Septiembre 1945

| Nº                             | Día | Fase                             | h. m. s. | T.   |
|--------------------------------|-----|----------------------------------|----------|------|
| 186                            | 1   | 1PKP                             | 23 4 9   | 5    |
|                                |     | pPKP                             | 40       | 4    |
|                                |     | FP                               | 9 24     | "    |
|                                |     | pFP                              | 10 0     | "    |
|                                |     | PPP                              | 13 38    | 15   |
|                                |     | 1SKKS                            | 15 52    | 18   |
|                                |     | 1SKSP                            | 19 42    | 16   |
|                                |     | SS                               | 30 13    | 18   |
|                                |     | SSS                              | 31 1     | 17   |
|                                |     | SSS                              | 37 25    | 16   |
| 2                              | 2   | L                                | 0 6,6    | 42   |
|                                |     | M                                | 18 21    | 21   |
|                                |     | F                                | 4,4      |      |
|                                |     | D=172°=19.100 kms.<br>h=100 kms. |          |      |
| 187                            | 2   | 1P                               | 11 59 40 | 4    |
|                                |     | 1pP                              | 12 0 6   | 3    |
|                                |     | 1S                               | 4 4      |      |
|                                |     | LM déb                           | 11 9,7   |      |
|                                |     | F                                | 12,8     |      |
| D=25°=2.780 kms.<br>h=140 kms. |     |                                  |          |      |
| 188                            | 3   | eP                               | 13 7 4   | 5    |
|                                |     | PP                               | 9 6      | "    |
|                                |     | S                                | 13 41    | 9    |
|                                |     | L                                | 22,9     | 18   |
|                                |     | M                                | 31 8     | 9    |
|                                |     | F                                | 14,5     |      |
| D=56°=0.200 kms.               |     |                                  |          |      |
| 189                            | 4   | e                                | 17 39 40 | 5    |
|                                |     | 1                                | 45 58    | 9    |
|                                |     | LM                               | 18 1,7   | 20   |
|                                |     | F                                | 18,4     |      |
| 190                            | 5   | ePG                              | 1 19 30  | ráp. |
|                                |     | eSG                              | 33       | 1    |
|                                |     | F                                | 19,7     |      |
| D=25 kms.                      |     |                                  |          |      |
| 191                            | 5   | LM                               | 15 55,6  | 20   |
|                                |     | F                                | 16,4     |      |
| 192                            | 5   | PKP                              | 22 8 21  | 4    |
|                                |     | PP                               | 12 51    | 5    |
|                                |     | SKSP                             | 13 20    | 7    |

| Nº                            | Día  | Fase                              | h. m. s. | T. |
|-------------------------------|------|-----------------------------------|----------|----|
| 192                           | 5    | SS                                | 22 32 36 | 12 |
|                               |      | G                                 | 55,6     | 42 |
|                               |      | M                                 | 8 29     | 28 |
|                               |      | F Siguiente<br>D=163°=18.100 kms. |          |    |
|                               |      |                                   |          |    |
| 193                           | 6    | PKP                               | 1 47 11  | 5  |
|                               |      | PP                                | 50 43    | "  |
|                               |      | L                                 | 2 39,2   | 36 |
|                               |      | M                                 | 53 26    | 20 |
|                               |      | F                                 | 4,4      |    |
| 135°=15.000 kms.              |      |                                   |          |    |
| 194                           | 6    | ePKP                              | 15 8 37  | 5  |
|                               |      | ePP                               | 12 4     | "  |
|                               |      | L                                 | 16 0,3   | 30 |
|                               |      | M                                 | 10 46    | 24 |
|                               |      | F                                 | 17,6     |    |
| (136°=15.100 kms.)            |      |                                   |          |    |
| 195                           | 7    | 1P                                | 15 53 36 | 4  |
|                               |      | PP                                | 55       | "  |
|                               |      | eFeP                              | 57 22    | 8  |
|                               |      | <del>SS</del>                     | 53       | "  |
|                               |      | SS                                | 58 53    | 9  |
|                               |      | LM déb                            | 16 1 58  | 10 |
| F                             | 16,5 |                                   |          |    |
| D=25°=2.780 kms.              |      |                                   |          |    |
| 196                           | 9    | ePKP                              | 4 22 30  | 7  |
|                               |      | 1PP                               | 27 18    | 6  |
|                               |      | SKKS                              | 33 48    | 9  |
|                               |      | SKSP                              | 37 17    | 10 |
|                               |      | SS                                | 47 30    | "  |
|                               |      | L                                 | 5 22,9   | 36 |
|                               |      | M                                 | 36 14    | 24 |
| F                             | 6,5  |                                   |          |    |
| D=166°=18.400 kms.            |      |                                   |          |    |
| 197                           | 12   | P                                 | 58 48    | 4  |
|                               |      | pP                                | 59 9     | 5  |
|                               |      | PP                                | 0 24     | 7  |
|                               |      | eS                                | 4 48     | 11 |
|                               |      | eL                                | 12,0     | 15 |
|                               |      | M                                 | 16 2     | 10 |
|                               |      | F                                 | 2,5      |    |
| D=40°=4.440 kms.<br>h=50 kms. |      |                                   |          |    |

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Granada

Boletín sísmico provisional. - Septiembre 1945

Nº Día Fase h. m. s. T.  
198 12 Pg 14 14 24 ráp.  
      ~~SG~~ 26  
      F 14,6  
      D = 15 kms.

Nº Día Fase h. m. s. T.  
205 20 Pg 3 47 28 ráp.  
      ~~SG~~ 31  
      F 47,7  
      D=25 kms.

199 12 eP 16 34 1 5  
      ~~eS~~ 38 23 9  
      F 16,9  
      (D=26°=2.900 kms.)

206 22 (FP) 9 33 0 5  
      e(SS) 54 28 9  
      L 10 23,9 30  
      M 31 52 18  
      F 11,1  
      (D=130°=14.000 kms.)

200 13 P 11 30 58 3  
      PP 34 43 5  
      SKS 40 44 9  
      SS 47 44 10  
      LM 12 12,3 30  
      F 12,8  
      D=91°=10.100 kms.

207 23 L 16 19,0 27  
      M 30 53 18  
      F 16,9

Destructor en el Valle de S. Felipe, cerca de Valparaiso. (Prensa)

208 28 eP 22 36 32 5  
      eS 47 24 9  
      L 23 3,8 24  
      M 26 36 16  
      F 23,7  
      (D=90°=10.000 kms.)

201 14 iP 2 10 52 4  
      pP 11 1 "  
      S 14 52 7  
      L 22,7 20  
      M 30 23 12  
      F 3,2  
      D=40°=4.450 kms.  
      h=60 kms.

Nota.-Casi todos los datos proceden de los CARTUJA, por falta de fluido eléctrico en los péndulos magneto-fotográficos.

202 16 Pg 1 49 35 ráp.  
      ~~SG~~ 36 1  
      M 40 "  
      F 50,0  
      D=0-5 kms.

203 19 F 6 48 35 1  
      S 59 4  
      F 49,1  
      D=200 kms.  
      h=25 kms.

204 19 PKP 12 41 21 4  
      ePP 42 17 5  
      PS 54 9 10  
      L 13 19,0 30  
      M 27 51 24  
      F 14,3  
      (D=129°=14.300 kms.)

Agitación microsísmica

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



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El Director:

Antonio Dur S.Y.



| Nº  | Día | Fase   | h. | m.  | s.   | T.   | Nº  | Día | Fase   | h.   | m.   | s.   | T.    |      |
|-----|-----|--|----|-----|------|------|-----|-----|--|------|------|------|-------|------|
| 209 | 1   | eP   | 5  | 26  | 30   | 5    | 215 | 16  | e  | 16   | 28   | 58   | 5     |      |
|     |     | pP   |    |     | 46   | 4    |     |     | (SS)   |      | 43   | 43   | 8     |      |
|     |     | S  |    |     | 40   | 8    |     |     | L  | 17   | 6,5  |      | 30    |      |
|     |     | SS   |    |     | 38   | 38   |     |     | M  |      | 12   | 20   | 24    |      |
|     |     | L  |    |     | 50,3 | 30   |     |     | "  |      | 15   | 54   | "     |      |
|     |     | M  | 6  | 2   | 59   | 15   |     |     | F  | 17,7 |      |      | F. M. |      |
|     |     | F  |    |     | 6,2  |      |     |     |  |      |      |      |       |      |
|     |     | D=60°=6.670 kms.<br>h=50 kms.  |    |     |      |      |     | 216 | 16   | Pg   | 20   | 25   | 50    | ráp. |
|     |     |  |    |     |      |      |     |     | SG   |      |      | 51   | "     |      |
|     |     |  |    |     |      |      |     |     | F  |      |      | 26,1 |       |      |
|     |     |  |    |     |      |      |     |     | D = 5 kms.   |      |      |      |       |      |
| 210 | 2   | eP   | 1  | 50  | 59   | 5    | 217 | 21  | eL   | 4    | 15,3 |      | 40    |      |
|     |     | (SKS)  |    | 1   | 3    | 7    |     |     | M  |      | 23   | 38   | 12    |      |
|     |     | L  |    |     | 25,3 | 30   |     |     | F  |      | 4,8  |      |       |      |
|     |     | M  |    |     | 27   | 15   |     |     |  |      |      |      |       |      |
|     |     | F  |    |     | 2,7  |      |     |     |  |      |      |      |       |      |
|     |     | D=90°=10.000 kms.  |    |     |      |      |     | 218 | 25   | iFKP | 15   | 11   | 25    | 5    |
|     |     |  |    |     |      |      |     |     | iFP  |      | 14   | 49   | 2     |      |
| 211 | 7   | eP   | 13 | 34  | 56   | 5    |     |     | LM   |      | 47,8 |      | 20    |      |
|     |     | IS   |    |     | 44   | 44   |     |     | F  |      | 15,9 |      | F. M. |      |
|     |     | L  | 14 | 1,4 |      | 30   |     |     | D=147°=16.500 kms.                                   |      |      |      |       |      |
|     |     | M  |    |     | 9    | 2    |     |     |  |      |      |      |       |      |
|     |     | F  |    |     | 14,5 |      |     |     |  |      |      |      |       |      |
|     |     | D=78°=8.670 kms.   |    |     |      |      |     | 219 | 25X  | 1    | 16   | 56   | 49    | 5    |
|     |     |  |    |     |      |      |     |     | Superpuesto al anterior.                             |      |      |      |       |      |
| 212 | 9   | IP   | 14 | 50  | 2    | 3    | 220 | 26  | IP   | 14   | 3    | 1    | 5     |      |
|     |     | PP   |    |     | 53   | 42   |     |     | FPF  |      | 4    | 6    | "     |      |
|     |     | IS   | 15 | 0   | 22   | 10   |     |     | eS   |      | 7    | 36   | 9     |      |
|     |     | SS   |    |     | 11   | 50   |     |     | L  |      | 11,8 |      | 27    |      |
|     |     | L  |    |     | 21,0 | 30   |     |     | M  |      | 23   | 46   | 14    |      |
|     |     | M  |    |     | 30   | 18   |     |     | F  |      | 14,6 |      |       |      |
|     |     | F  |    |     | 15,9 |      |     |     | D=27°=3.000 kms.                                     |      |      |      |       |      |
|     |     | D=85°=9.450 kms.<br>Violento   |    |     |      |      |     | 221 | 26   | P    | 19   | 3    | 55    | 2    |
|     |     |  |    |     |      |      |     |     | S  |      | 4    | 8    | 4     |      |
| 213 | 9   | Pg   | 15 | 4   | 23   | ráp. |     |     | F  |      | 4,5  |      |       |      |
|     |     | SG   |    |     | 25   | 1    |     |     | D=90 kms. h=20 kms.                                  |      |      |      |       |      |
|     |     | F  |    |     | 4,6  |      |     |     |  |      |      |      |       |      |
|     |     | D=15 kms.  |    |     |      |      |     | 222 | 27   | IP   | 11   | 36   | 27    | 3    |
|     |     |  |    |     |      |      |     |     | PF   |      | 39   | 27   | "     |      |
| 214 | 11  | P  | 17 | 5   | 31   | 3    |     |     | IS   |      | 45   | 2    | 7     |      |
|     |     | SKS  |    |     | 15   | 57   | 8   |     | Fases restantes inapreciables.<br>(D=77°=8.360 kms.) |      |      |      |       |      |
|     |     | IS   |    |     | 16   | 2    | 10  |     |  |      |      |      |       |      |
|     |     | Fases restantes inapreciables; foco profundo.<br>(D=90°=10.000 kms.) |    |     |      |      |     | 223 | 28   | P    | 0    | 25   | 35    | 5    |
|     |     |  |    |     |      |      |     |     | PF   |      | 27   | 44   | 4     |      |

Observatorio de Cartuja

Granada

Boletín sísmico provisional. - Octubre 1945

| Nº  | Día | Fase              | h. m. s.         | T. | Fechas | Agitación microsísmica |          |           |          |
|-----|-----|-------------------|------------------|----|--------|------------------------|----------|-----------|----------|
|     |     |                   |                  |    |        | D í a                  |          | N o c h e |          |
|     |     |                   |                  |    |        | T(s)                   | A(micr.) | T(s)      | A(micr.) |
| 223 | 28  | eS<br>L<br>M<br>F | 0 33 14          | 10 | 1-8    | 3-5                    | 1        | 3-5       | 1        |
|     |     |                   | 41,7             | 36 | 9      | "                      | "        | 2-4       | 1-2      |
|     |     |                   | 48 19            | 10 | 10     | "                      | 1-2      | 3-5       | "        |
|     |     |                   | 1,3              |    | 11     | 4-6                    | 2-3      | 4-6       | "        |
|     |     |                   | D=55°=6.100 kms. |    | 12-14  | 3-5                    | 1        | 3-5       | 1        |
| 224 | 29  | LM<br>F           | 11 41,7          | 27 | 15     | 2-4                    | 1-2      | 2-4       | 1-2      |
|     |     |                   | 12,1 F. M.       |    | 16-20  | 3-5                    | "        | 3-5       | "        |
|     |     |                   |                  |    | 21-22  | 4-6                    | "        | 4-6       | "        |
|     |     |                   |                  |    | 23     | "                      | "        | "         | 2-3      |
|     |     |                   |                  |    | 24-25  | "                      | 2-3      | "         | "        |
|     |     |                   |                  |    | 26     | "                      | "        | "         | 3-4      |
|     |     |                   |                  |    | 27     | "                      | "        | "         | 2-3      |
|     |     |                   |                  |    | 28     | "                      | "        | "         | 3-4      |
|     |     |                   |                  |    | 29     | 3-5                    | 3-5      | 3-5       | 2-3      |
|     |     |                   |                  |    | 30     | "                      | 2-3      | "         | 1-2      |
|     |     |                   |                  |    | 31     | "                      | 1-2      | "         | "        |

Nota.-Todos los datos de este mes proceden de los Cartujas y del Berchmans, por falta de fluido eléctrico.

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El Director:

*Antonio Duc S.Y.*

476/ 3-10-6 1945 36

10 7 20  
11 0  
12 14 48  
13 15 51  
14 16 51  
15 17 51  
16 18 51  
17 19 51  
18 20 51  
19 21 51  
20 22 51  
21 23 51  
22 24 51  
23 25 51  
24 26 51  
25 27 51  
26 28 51  
27 29 51  
28 30 51  
29 31 51  
30 32 51  
31 33 51

83/21 DEC. 1945

Observatorio de Cartuja



Granada

Boletín sísmico provisional.-Noviembre 1945

| Nº  | Día  | Fase      | h. | m.                    | s.            | T.   | Nº  | Día  | Fase | h.                 | m.   | s.   | T.     |        |
|-----|------|-----------|----|-----------------------|---------------|------|-----|------|------|--------------------|------|------|--------|--------|
| 225 | X 3  | iP        | 22 | 21                    | 10            | 4    | 233 | X 20 | iPz  | 6                  | 35   | 10   | dil. 3 |        |
|     |      | PcP       |    |                       | 28            | "    |     |      | pP   |                    |      | 32   | 4      |        |
|     |      | <b>IS</b> |    | 31                    | 18            | 9    |     |      | PcP  | 36                 | 55   |      | 5      |        |
|     |      | sS        |    | 32                    | 0             | "    |     |      | PPP  | 37                 | 15   |      | 6      |        |
|     |      | LM        |    | 51,2                  |               | 30   |     |      | PcS  | 40                 | 52   |      | 12     |        |
|     |      | F         |    | 23,2                  |               |      |     |      | iS   | 41                 | 12   |      | 9      |        |
|     |      |           |    | D=82°=9.110 kms.      |               |      |     |      | L    | 44,7               |      |      | 24     |        |
|     |      |           |    | h = 50 kms.           |               |      |     |      | M    | 50                 | 45   |      | 16     |        |
|     |      |           |    |                       |               |      |     |      | F    | 7,7                |      |      |        |        |
|     |      |           |    | D=41°=4.560 kms.      |               |      |     |      |      |                    |      |      |        |        |
| 226 | X 8  | P         | 9  | 13                    | 39            | 5    | 234 | X 20 | iPz  | 12                 | 9    | 34   | dil. 3 |        |
|     |      | pP        |    | 14                    | 14            | "    |     |      | S    | 20                 | 30   |      | 11     |        |
|     |      | S         |    | 20                    | 19            | 8    |     |      | L    | 43,7               |      |      | 50     |        |
|     |      | L         |    | 31,1                  |               | 20   |     |      | M    | 52                 | 15   |      | 15     |        |
|     |      | M         |    | 32                    | 18            | 14   |     |      | F    | 13,3               |      |      |        |        |
|     |      | F         |    | 9,8                   |               |      |     |      |      | D=94°=10.450 kms.  |      |      |        |        |
|     |      |           |    | D=45°=5.000 kms.      |               |      |     |      |      |                    |      |      |        |        |
|     |      |           |    | (h = 100 kms.)        |               |      |     |      |      |                    |      |      |        |        |
| 227 | X 8  | eP        | 10 | 13                    | 22            | 5    | 235 | X 26 | iz   | 15                 | 30   | 6    | 2      |        |
|     |      | eS        |    | 20                    | 39            | 8    |     |      | LM   |                    | 35,0 |      | 24     |        |
|     |      | F         |    | 10,5                  | Poco definido |      |     |      | F    | 15,7               |      | F.M. |        |        |
|     |      |           |    | Réplica del anterior. |               |      | 236 | X 26 | P    | 1                  | 15   | 15   | 3      |        |
|     |      |           |    |                       |               |      |     |      | S    |                    | 25   | 24   | 12     |        |
| 228 | X 16 | L         | 16 | 29,7                  |               | 21   |     |      | F    | 1,6                |      |      |        |        |
|     |      | M         |    | 35                    | 12            | 18   |     |      |      | (D=80°=8.900 kms.) |      |      |        |        |
|     |      | F         |    | 17,1                  |               | F.M. |     | 237  | X 26 | iP                 | 5    | 32   | 29     | dil. 3 |
|     |      |           |    |                       |               |      |     |      | PcP  | 33                 | 3    |      | "      |        |
| 229 | X 14 | Pg        | 18 | 21                    | 58            | ráp. |     |      | PcS  | 36                 | 54   |      | 4      |        |
|     |      | Sg        |    | 22                    | 3             | 1    |     |      | S    | 40                 | 49   |      | 8      |        |
|     |      | P2        |    |                       | 7             | "    |     |      | PS   | 41                 | 14   |      | 7      |        |
|     |      | F         |    | 22,5                  |               |      |     |      | M    | 56                 | 52   |      | 16     |        |
|     |      |           |    | D=38 kms. - h=25 kms. |               |      |     |      | F    | 6,5                |      |      |        |        |
|     |      |           |    | D=55°=6.100 kms.      |               |      |     |      |      |                    |      |      |        |        |
| 230 | X 15 | Pg        | 15 | 16                    | 25            | ráp. |     | 238  | X 27 | L                  | 12   | 6,0  | 36     |        |
|     |      | Sg        |    |                       | 30            | 1    |     |      | M    |                    | 12   | 33   | 18     |        |
|     |      | P2        |    |                       | 34            | "    |     |      | F    | 13,3               |      |      |        |        |
|     |      | F         |    | 17,0                  |               |      |     |      |      |                    |      |      |        |        |
|     |      |           |    | D=38 kms. - h=25 kms. |               |      |     |      |      |                    |      |      |        |        |
|     |      |           |    | Réplica del anterior. |               |      | 239 | X 27 | iP   | 22                 | 6    | 45   | dil. 3 |        |
| 231 | X 16 | P         | 18 | 14                    | 19            | 3    |     |      | PcP  | 7                  | 20   |      | 4      |        |
|     |      | S         |    | 24                    | 7             | 12   |     |      | PcS  | 11                 | 0    |      | 5      |        |
|     |      | L         |    | 36,9                  |               | 40   |     |      | iS   | 14                 | 48   |      | 9      |        |
|     |      | M         |    | 44                    | 29            | 15   |     |      | sS   | 15                 | 51   |      | 11     |        |
|     |      | F         |    | 19,7                  |               |      |     |      | G    | 23,8               |      |      | 60     |        |
|     |      |           |    | (D=72°=8.000 kms.)    |               |      |     |      | L    | 26,9               |      |      | 36     |        |
| 232 | X 17 | L         | 23 | 6,4                   |               | 30   |     |      | M    | 28                 | 22   |      | 31     |        |
|     |      | M         |    | 10                    | 20            | 18   |     |      | F    | 3,1                |      |      |        |        |
|     |      | F         |    | 23,6                  |               | F.M. |     |      |      | D=60°=6.670 kms.   |      |      |        |        |
|     |      |           |    | (h=100 kms.)          |               |      |     |      |      |                    |      |      |        |        |

Cartuja

918 / - 2 FEB. 1945

International  
Seismological  
Centre

Observatorio de Cartuja

Granada

Boletín sísmico provisional.-Diciembre 1945

Agitación microsísmica  
Noviembre 1945.

| Fechas |     | D í a |          | N o c h e |          | Nº  | Día | Fase               | h.  | m.   | s. | T.     |
|--------|-----|-------|----------|-----------|----------|-----|-----|--------------------|-----|------|----|--------|
|        |     | T(s)  | A(micr.) | T(s)      | A(micr.) | 233 | 20  | pPPP               |     |      | 58 | 12     |
| 1-3    | 4-6 | 1-2   | 4-6      | 1-2       |          |     |     | PS                 | 36  | 19   |    | 11     |
| 4-5    | 3-5 | 1     | 3-5      | 1         |          |     |     | PPB                | 38  | 47   |    | 21     |
| 6-9    | "   | 1-2   | "        | 1-2       |          |     |     | SS                 | 44  | 38   |    | 18     |
| 10     | "   | "     | "        | 2-3       |          |     |     | sSS                | 45  | 40   |    | "      |
| 11     | "   | 2-3   | "        | 1-2       |          |     |     | SSS                | 49  | 31   |    | 14     |
| 12-13  | 2-4 | 1-2   | 2-4      | 2-3       |          |     |     | G                  | 3   | 9,7  |    | 49     |
| 14-15  | 3-5 | 2-3   | 3-5      | 1-2       |          |     |     | L                  |     | 19,7 |    | 30     |
| 16-17  | "   | 1-2   | "        | 2-3       |          |     |     | M                  |     | 28   | 16 | 20     |
| 18-19  | "   | "     | "        | 1-2       |          |     |     | "                  |     |      | 52 | 24     |
| 20     | 4-6 | 1-2   | 4-6      | 1-2       |          |     |     | F                  | 4,8 |      |    |        |
| 21-24  | 3-5 | 1     | 3-5      | 1         |          |     |     | D=132°=14.670 kms. |     |      |    |        |
| 25-29  | "   | 1-2   | "        | 1-2       |          | 245 | 9   | iPz                | 6   | 13   | 55 | dil. 2 |
| 30     | "   | 1     | "        | 1         |          |     |     | pP                 | 14  | 5    |    | 4      |
|        |     |       |          |           |          |     |     | PP                 | 15  | 1    |    | "      |

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Diciembre 1945.

| Nº  | Día | Fase                                     | h. | m. | s.                              | T.                           |     | Fase                           | h.   | m.   | s. | T. |      |
|-----|-----|--|----|----|---------------------------------|------------------------------|-----|--------------------------------|------|------|----|----|------|
| 240 | 3   | Pg<br>Sg<br>F                            | 2  | 44 | 32<br>33<br>44,7                | ráp.<br>1                    |     | iS                             | 18   | 16   |    | 15 |      |
|     |     |  |    |    |                                 |                              |     | sS                             |      |      | 33 | "  |      |
|     |     |  |    |    |                                 |                              |     | L                              | 20,5 |      |    | 36 |      |
|     |     |  |    |    |                                 |                              |     | M                              | 23   | 1    |    | 18 |      |
|     |     |  |    |    |                                 |                              |     | F                              | 6,5  |      |    |    |      |
|     |     |  |    |    |                                 |                              |     | D=25°=2.780 kms.               |      |      |    |    |      |
|     |     |  |    |    |                                 |                              |     | h=100 kms.                     |      |      |    |    |      |
| 241 | 3   | iPg<br>Sg<br>F                           | 2  | 52 | 57<br>58<br>53,4                | ráp.<br>1                    | 246 | 10                             | iPg  | 13   | 49 | 6  | ráp. |
|     |     |  |    |    |                                 |                              |     |                                | iSg  |      | 10 |    | 1    |
|     |     |  |    |    |                                 |                              |     |                                | F    | 49,4 |    |    |      |
|     |     |  |    |    |                                 |                              |     | D = 30 kms.                    |      |      |    |    |      |
|     |     |  |    |    |                                 |                              |     | Réplica del anterior.          |      |      |    |    |      |
| 242 | 7   | iPg<br>iSg<br>F                          | 5  | 59 | 21<br>23<br>0,4                 | ráp.<br>1                    | 247 | 10                             | iPg  | 23   | 10 | 51 | ráp. |
|     |     |  |    |    |                                 |                              |     |                                | iSg  |      |    | 52 | 1    |
|     |     |  |    |    |                                 |                              |     |                                | F    | 11,0 |    |    |      |
|     |     |  |    |    |                                 |                              |     | D = 5 kms.                     |      |      |    |    |      |
| 243 | 7   | iPg<br>iSg<br>F                          | 6  | 50 | 13<br>15<br>50,6                | ráp.<br>1                    | 248 | 11                             | iPg  | 21   | 15 | 13 | ráp. |
|     |     |  |    |    |                                 |                              |     |                                | iSg  |      |    | 16 | 1    |
|     |     |  |    |    |                                 |                              |     |                                | F    | 15,5 |    |    |      |
|     |     |  |    |    |                                 |                              |     | D = 20 kms.                    |      |      |    |    |      |
|     |     |  |    |    |                                 |                              |     | h=20 kms.                      |      |      |    |    |      |
|     |     |  |    |    |                                 |                              |     | Preliminar del siguiente       |      |      |    |    |      |
| 244 | 8   | ePn<br>iPKP<br>pPKP<br>iPP<br>pPP<br>PPP | 1  | 22 | 49<br>59<br>38<br>30<br>57<br>9 | 3<br>"<br>"<br>"<br>17<br>12 | 249 | 12                             | iPg  | 4    | 13 | 1  | ráp. |
|     |     |  |    |    |                                 |                              |     |                                | iSg  |      |    | 4  | 1    |
|     |     |  |    |    |                                 |                              |     |                                | F    | 13,9 |    |    |      |
|     |     |  |    |    |                                 |                              |     | D=20 kms. - h=20 kms.          |      |      |    |    |      |
|     |     |  |    |    |                                 |                              |     | Sentido en Granada, grado III. |      |      |    |    |      |

Granada

Boletín sísmico provisional.-Diciembre 1945

Nº Día Fase h. m. s. T.  
 250 20 ~~IP~~  
           S 2 36 57 ráp.  
           F 37 12 1  
           37,9  
           D = 120 kms.

Nº Día Fase h. m. s. T.  
 255 28 L 19 0,0 30  
           M 10 24 25  
           F 23,4  
           D=147°=16.330 kms.  
           h=150 kms.

251 23 IP 8 19 55 comp. 3  
           PP 22 35 9  
           S 29 21 19  
           SS 32 29 20  
           L 43,4 22  
           M 48 55 20  
           F 10,1  
           D=63°=7.000 kms.

256 29 L 11 9,1 21  
           M 13 58 18  
           F 11,9

252 25 L 2 19,0 30  
           M 24 36 19  
           F 2,7

257 30 IPKP1 1 8 3 dil. 3  
           PKP2 12 "  
           IPP 11 46 "  
           SKKS 19 5 13  
           SS 30 56 "  
           L 2 3,7 30  
           M 13 56 20  
           F 3,3  
           D=150°=16.670 kms.

253 27 L 2 4,6 24  
           M 9 54 18  
           F 2,6

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254 27 IPKP 5 0 39 comp. 3  
           PP 3 37 12  
           pPP 4 5 14  
           SKS 7 10 17  
           SKKS 10 59 "  
           SKSP 14 5 18  
           SS 21 2 "  
           iSSS 27 47 16  
           G 47,7 42  
           L 57,2 30  
           M 6 6 1 19  
           F 7,6  
           D=145°=16.100 kms.  
           h=80 kms.

El Director:

*Antonio Duc S. Y.*

255 28 IPKP1 18 8 18 dil. 3  
           PKP2 26 5  
           sPKP1 9 0 3  
           IPP 11 44 4  
           pPP 12 14 10  
           sPP 34 9  
           SKKS 18 18 15  
           SKSP 21 42 16  
           SS 30 2 "  
           G 47,0

