

INSTITUTO GEOGRAFICO NACIONAL
OBSERVATORIO GEOFISICO DE LOGROÑO
BOLETIN SISMICO PROVISIONAL

OCTUBRE - 1.980

(1ª decena)

Naturaleza del terreno: Mioceno Lacustre

Coordenadas geográficas:

L = 42° 27' 28" Norte

M = 02° 30' 11,7" Oeste

Z = 445,50 metros

CONSTANTES DE LOS SISMOGRAFOS

| Aparatos | Período Péndulo | Período Galvan. | Amplificación Máxima |
|---------------|--------------------|--------------------|-------------------------|
| Stuttgart - Z | 1,30 | 1,30 | 7.500 |
| Stuttgart - N | 1,30 | 1,30 | 6.900 |
| Stuttgart - E | 1,21 | 1,21 | 8.700 |

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|---------------------|------------|-------------------------------------|--------|-------------------|--------------|----------------------|--|
| 518 | 2 | iP | ZH | 03 54 48,1 | | | Com. | | |
| | | eP | NH | 03 54 48,1 | | | | | |
| | | eP | EH | 03 54 48,1 | | | | | |
| 519 | 2 | eP | ZH | 19 25 18,3 | | | | | |
| | | eP | NH | 19 25 18,3 | | | | | |
| | | eP | EH | 19 25 18,3 | | | | | |
| 520 | 3 | ePn eSn | ZH | 17 15 41,0 16 00,0 | | | | 150 | Lg To,8 Ao,16 μ Duración: 60" |
| | | | NH | 17 15 41,0 16 00,0 | | | | | |
| | | ePn eSn | ZH | 17 15 41,0 16 00,0 | | | | | |
| | | | NH | 17 15 41,0 16 00,0 | | | | | |
| | | ePn eSn | ZH | 17 15 41,0 16 00,0 | | | | | |
| | | | NH | 17 15 41,0 16 00,0 | | | | | |
| 521 | 4 | ePKP ePP ePPP | ZH | 04 57 34,5 58 56,2 05 01 24,0 | | | | 13190 | |
| | | | NH | 04 57 34,5 58 56,0 | | | | | |
| | | | EH | 04 57 34,5 58 56,0 | | | | | |
| | | ePKP ePP | ZH | 04 57 34,5 58 56,0 | | | | | |
| | | | NH | 04 57 34,5 58 56,0 | | | | | |
| | | | EH | 04 57 34,5 58 56,0 | | | | | |
| 522 | 4 | iP | ZH | 13 16 27,7 | | | Com. | | |
| | | eP | NH | 13 16 27,7 | | | | | |
| | | eP | EH | 13 16 27,7 | | | | | |
| 523 | 4 | eP eS | ZH | 15 17 28,0 21 41,0 | | | | 2646 | |
| | | | NH | 15 17 28,0 21 41,0 | | | | | |
| | | eP eS | ZH | 15 17 28,0 21 41,0 | | | | | |
| | | | NH | 15 17 28,0 21 41,0 | | | | | |
| | | eP eS | ZH | 15 17 28,0 21 41,0 | | | | | |
| | | | NH | 15 17 28,0 21 41,0 | | | | | |
| 524 | 5 | ePKP | ZH | 15 52 56,7 | | | | | |
| | | | NH | 15 52 56,7 | | | | | |
| | | | EH | 15 52 56,7 | | | | | |

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|-------------------|------------|----------------------------------|--------|-------------------|---------------|----------------------|-----------------------------|
| 525 | 6 | ePg eSg | ZH | 10 34 11,3 34 19,1 | | | 67 | 67 | Lg To,8 Ao,08 μ |
| | | ePg eSg | NH | 10 34 11,3 34 19,1 | | | | | Duración: 44" |
| | | ePg eSg | EH | 10 34 11,3 34 19,1 | | | | | |
| 526 | 7 | ePg iSg eSn | ZH | 09 24 03,5 24 09,0 24 16,5 | | | | 47 | Lg To,8 Ao,18 μ |
| | | ePg iSg eSn | NH | 09 24 03,5 24 09,0 24 16,5 | | | | | Duración: 30" |
| | | ePg iSg eSn | EH | 09 24 03,5 24 09,0 24 16,5 | | | | | |
| 527 | 7 | eP | ZH | 09 42 36,0 | | | | | |
| | | eP | NH | 09 42 36,0 | | | | | |
| | | eP | EH | 09 42 36,0 | | | | | |
| 528 | 8 | eP | ZH | 10 04 10,0 | | | | | |
| | | eP | NH | 10 04 10,0 | | | | | |
| | | eP | EH | 10 04 10,0 | | | | | |
| 529 | 8 | eP | ZH | 16 19 32,0 | | | | | |
| | | eP | NH | 16 19 32,0 | | | | | |
| | | eP | EH | 16 19 32,0 | | | | | |
| 530 | 8 | eP i | ZH | 22 13 25,0 14 11,0 | | | | | |
| | | eP e | NH | 22 13 25,0 14 11,0 | | | | | |
| | | eP | EH | 22 13 25,0 | | | | | |
| 531 | 8 | ePg eSg iSn | ZH | 23 02 31,4 02 37,9 02 44,9 | | | | 56 | Lg to,9 Ao,06 μ |
| | | ePg eSg iSn | NH | 23 02 31,4 02 37,9 02 44,9 | | | | | Duración: 30" |
| | | ePg iSg iSn | EH | 23 02 31,4 02 37,9 02 44,9 | | | | | |

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|---------------|-----|---------|------------|------------|--------|-------------------|--------------|----------------------|--|
| 532 | 9 | iPKP | ZH | 16 39 36,0 | | | Com. | 16502 | |
| | | iPKKP | | 39 45,0 | | | | | |
| | | ePP | | 43 11,8 | | | | | |
| | | ePKP | NH | 16 39 36,0 | | | | | |
| | | ePKP | EH | 16 39 36,0 | | | | | |
| 533 | 10 | iPn | ZH | 12 27 09,9 | | | Dil. | | Muy fuerte. Debido a su magnitud el registro no se ha impresionado hasta 7' después. <i>Subido en Valencia-Murcia - Alicante.</i> |
| | | iPn | NH | 12 27 09,9 | | | | | |
| | | iPn | EH | 12 27 09,9 | | | | | |
| 534 | 10 | ePn | ZH | 14 14 13,1 | | | Dil? | 748 | Lg T1,3 Ao,32 μ |
| | | iP* | | 14 27,6 | | | | | |
| | | iPg | | 14 47,0 | | | | | |
| | | iSn | | 15 31,4 | | | | | |
| | | iSg | | 16 19,7 | | | | | |
| | | ePn | NH | 14 14 13,1 | | | | | |
| | | iPg | | 14 47,0 | | | | | |
| | | iSn | | 15 31,4 | | | | | |
| | | iSg | | 16 19,7 | | | | | |
| | | ePn | EH | 14 14 13,1 | | | | | |
| | | iPg | | 14 47,0 | | | | | |
| | | iSn | | 15 31,4 | | | | | |
| iSg | | 16 19,7 | | | | | | | |
| 535 | 10 | ePn | ZH | 14 40 02,7 | | | | | |
| | | ePn | NH | 14 40 02,7 | | | | | |
| | | ePn | EH | 14 40 02,7 | | | | | |
| 536 | 10 | iPn | ZH | 14 46 38,7 | 0,7 | 0,58 | Dil. | 745 | Lg T1,6 A2,05 μ |
| | | iPg | | 47 47,2 | | | | | |
| | | iSn | | 47 56,7 | | | | | |
| | | eSg | | 48 45,6 | | | | | |
| | | iPn | NH | 14 46 38,7 | | | | | |
| | | ePg | | 47 11,2 | | | | | |
| | | iSn | | 47 56,7 | | | | | |
| | | eSg | | 48 45,6 | | | | | |
| | | iPn | EH | 14 46 38,7 | | | | | |
| | | ePg | | 47 11,2 | | | | | |
| | | iSn | | 47 56,7 | | | | | |
| | | eSg | | 48 45,6 | | | | | |
| 537 | 10 | iPn | ZH | 15 27 23,2 | 1,1 | 0,18 | Com. | 728 | Lg T1,4 Ao,46 μ |
| | | iSn | | 28 39,7 | | | | | |
| | | iSg | | 29 16,2 | | | | | |
| | | iPn | NH | 15 27 23,2 | | | | | |
| | | iSn | | 28 39,7 | | | | | |
| | | iSg | | 29 16,2 | | | | | |

(continúa...)

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | △ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|-------------------|------------|----------------------------------|--------|-------------------|--------------|---------------|---------------------------------|
| 537 | 10 | ePn iSn iSg | EH | 15 27 23,2 28 39,7 29 16,2 | | | | | |
| 538 | 10 | iPn iSn iSg | ZH | 15 38 37,7 39 55,7 40 33,2 | 0,9 | 0,19 | Com. | 745 | |
| | | iPn iSn iSg | NH | 15 38 37,7 39 55,7 40 33,2 | | | | | |
| | | iPn eSn eSg | EH | 15 38 37,7 39 55,7 40 33,2 | | | | | |
| 539 | 10 | iPn iSn | ZH | 15 40 55,7 42 12,9 | 1,5 | 2,76 | Dil. | 736 | |
| | | iPn eSn | NH | 15 40 55,7 42 12,9 | | | | | |
| | | iPn eSn | EH | 15 40 55,7 42 12,9 | | | | | |
| 540 | 10 | ePn | ZH | 17 18 02,7 | | | | | |
| | | ePn | NH | 17 18 02,7 | | | | | |
| | | ePn | EH | 17 18 02,7 | | | | | |
| 541 | 10 | iPn iSn | ZH | 17 34 44,7 36 03,7 | 1,4 | 1,04 | Com. | 756 | Lg t1,7 A2,24 Duración: 626" |
| | | iPn iSn | NH | 17 34 44,7 36 03,7 | | | | | |
| | | iPn iSn | EH | 17 34 44,7 36 03,7 | | | | | |
| 542 | 10 | ePn iSn | ZH | 18 47 13,7 48 31,7 | | | | 745 | |
| | | ePn iSn | NH | 18 47 13,7 48 31,7 | | | | | |
| | | ePn iSn | EH | 18 47 13,7 48 31,7 | | | | | |
| 543 | 10 | iPn iSn iSg | ZH | 19 09 45,2 11 06,7 11 49,7 | 0,9 | 0,34 | Com. | 773 | Lg T1,3 A1,17 Duración: 600" |
| | | iPn iSn iSg | NH | 19 09 45,2 11 06,7 11 49,7 | | | | | |

(Continúa...)

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|---------------|-----|-------------------|------------|----------------------------------|--------|-------------------|--------------|----------------------|-----------------------------|
| 543 | 10 | iPn iSn iSg | EH | 19 09 45,2 11 06,7 11 49,7 | | | | | |
| 544 | 10 | ePn eSn | ZH | 20 24 25,7 26 00,5 | | | | 920 | |
| | | ePn eSn | NH | 20 24 25,7 26 00,5 | | | | | |
| | | ePn eSn | EH | 20 24 25,7 26 00,5 | | | | | |
| 545 | 10 | ePn iSn | ZH | 21 23 05,2 24 26,2 | | | Com? | 773 | |
| | | ePn iSn | NH | 21 23 05,2 24 26,2 | | | | | Duración: 180" |
| | | ePn iSn | EH | 21 23 05,2 24 26,2 | | | | | |
| 546 | 10 | ePn | ZH | 23 57 21,0 | | | | | |
| | | ePn | NH | 23 57 21,0 | | | | | |
| | | ePn | EH | 23 57 21,0 | | | | | |



E. Maza

INSTITUTO GEOGRAFICO NACIONAL
OBSERVATORIO GEOFISICO DE LOGROÑO
BOLETIN SISMICO PROVISIONAL

OCTUBRE - 1.980
(2ª decena)

Naturaleza del terreno: Mioceno Lacustre

Coordenadas geográficas:

L = 42° 27' 28" Norte

M = 02° 30' 11,7" Oeste

Z = 445,50 metros

CONSTANTES DE LOS SISMOGRAFOS

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|---------------|--------------------|--------------------|-------------------------|
| Stuttgart - Z | 1,30 | 1,30 | 7.500 |
| Stuttgart - N | 1,30 | 1,30 | 6.900 |
| Stuttgart - E | 1,21 | 1,21 | 8.700 |

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | △ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|-------------------|------------|----------------------------------|--------|-------------------|--------------|---------------|-----------------------------|
| 547 | 11 | ePn eSn | ZH | 00 01 43,7 03 11,7 | | | Dil. | 845 | Duración: 208" |
| | | ePn eSn | NH | 00 01 43,7 03 11,7 | | | | | |
| | | ePn eSn | EH | 00 01 43,7 03 11,7 | | | | | |
| 548 | 11 | ePn eSn | ZH | 01 31 02,7 32 21,2 | | | | 751 | Duración: 200" |
| | | ePn eSn | NH | 01 31 02,7 32 21,2 | | | | | |
| | | ePn iSn | EH | 01 31 02,7 32 21,2 | | | | | |
| 549 | 11 | iPn iSn eSg | ZH | 05 42 41,2 44 00,5 44 40,7 | 0,7 | 0,33 | Com. | 759 | Duración: 300" |
| | | ePn iSn iSg | NH | 05 42 41,2 44 00,5 44 40,7 | | | | | |
| | | iPn iSn iSg | EH | 05 42 41,2 44 00,5 44 40,7 | | | | | |
| 550 | 11 | iP | ZH | 07 17 42,0 | | | Dil. | | |
| | | eP | NH | 07 17 42,0 | | | | | |
| | | eP | EH | 07 17 42,0 | | | | | |
| 551 | 11 | ePn eSn | ZH | 19 05 18,6 06 37,1 | | | Com. | 750 | Duración: 170" |
| | | ePn eSn | NH | 19 05 18,6 06 37,1 | | | | | |
| | | ePn eSn | EH | 19 05 18,6 06 37,1 | | | | | |
| 552 | 11 | iPn iSn iSg | ZH | 21 28 03,3 29 19,1 29 59,6 | 0,7 | 0,25 | Dil. | 723 | Duración: 230" |
| | | ePn iSn iSg | NH | 21 28 03,3 29 19,1 29 59,6 | | | | | |
| | | ePn iSn iSg | EH | 21 28 03,3 29 19,1 29 59,6 | | | | | |

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| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | △ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|--------------------------|------------|---|--------|-------------------|--------------|---------------|-----------------------------|
| 553 | 12 | iP | ZH | 03 43 46,0 | | | Dil. | | |
| | | eP | NH | 03 43 46,0 | | | | | |
| | | eP | EH | 03 43 46,0 | | | | | |
| 554 | 12 | ePn eSn | ZH | 04 04 02,1 05 26,6 | | | | 790 | |
| | | ePn eSn | NH | 04 04 02,1 05 26,6 | | | | | Duración: 150" |
| | | ePn eSn | EH | 04 04 02,1 05 26,6 | | | | | |
| 555 | 12 | ePg iSg iSn | ZH | 11 13 26,8 13 34,4 13 39,3 | | | | 65 | Lg T1,0 Ao,35 μ |
| | | ePg iSg iSn | NH | 11 13 26,8 13 34,4 13 39,3 | | | | | Duración: 65" |
| | | ePg iSg iSn | EH | 11 13 26,8 13 34,4 13 39,3 | | | | | |
| 556 | 13 | iPn ePg iSn iSg | ZH | 06 39 25,0 39 57,0 40 44,6 41 28,5 | 0,8 | 0,24 | Dil. | 762 | Lg T4,0 A1,12 μ |
| | | iPn ePg iSn iSg | NH | 06 39 25,0 39 57,0 40 44,6 41 28,5 | | | | | Duración: 780" |
| | | iPn ePg iSn iSg | EH | 06 39 25,0 39 57,0 40 44,6 41 28,5 | | | | | |
| 557 | 13 | ePn iSn eSg | ZH | 14 35 27,2 36 41,0 37 17,2 | | | Com? | 703 | |
| | | ePn iSn eSg | NH | 14 35 27,2 36 41,0 37 17,2 | | | | | Duración: 420" |
| | | ePn iSn eSg | EH | 14 35 27,2 36 41,0 37 17,2 | | | | | |

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|---------------------------------|------------|--|--------|-------------------|--------------|----------------------|------------------------------------|
| 558 | 13 | ePn iSn | ZH | 15 06 57,5 07 18,0 | | | Com? | 163 | Lg To,8 Ao,16 Duración: 77" |
| | | ePn iSn | NH | 15 06 57,5 07 18,0 | | | | | |
| | | ePn iSn | EH | 15 06 57,5 07 18,0 | | | | | |
| 559 | 13 | ePn iSn iSg | ZH | 20 15 22,0 16 36,8 17 16,0 | | | | 715 | Duración: 280" |
| | | ePn iSn iSg | NH | 20 15 22,0 16 36,8 17 16,0 | | | | | |
| | | ePn iSn iSg | EH | 20 15 22,0 16 36,8 17 16,0 | | | | | |
| 560 | 13 | ePn | ZH | 20 28 26,0 | | | | | |
| | | ePn | NH | 20 28 26,0 | | | | | |
| | | ePn | EH | 20 28 26,0 | | | | | |
| 561 | 14 | ePn | ZH | 01 09 20,5 | | | | | |
| | | ePn | NH | 01 09 20,5 | | | | | |
| | | ePn | EH | 01 09 20,5 | | | | | |
| 562 | 14 | ePn eSn | ZH | 13 15 49,0 16 09,5 | | | | 163 | Duración: 100" |
| | | ePn eSn | NH | 13 15 49,0 16 09,5 | | | | | |
| | | ePn eSn | EH | 13 15 49,0 16 09,5 | | | | | |
| 563 | 14 | iPn iP* iPg iSn iSg | ZH | 17 36 43,5 36 54,0 37 09,8 37 51,8 38 24,5 | 0,9 | 0,25 | Com. | 648 | Duración: 600" |
| | | iPn iPg iSn iSg | NH | 17 36 43,5 37 09,8 37 51,8 38 24,5 | | | | | |
| | | iPn iPg iSn iSg | EH | 17 36 43,5 37 09,8 37 51,8 38 24,5 | | | | | |

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | △ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|-------------------|------------|----------------------------------|--------|-------------------|--------------|---------------|-----------------------------|
| 564 | 15 | ePn iSn | ZH | 03 19 07,8 20 15,7 | | | | 642 | Duración: 300" |
| | | ePn iSn | NH | 03 19 07,8 20 15,7 | | | | | |
| | | ePn iSn | EH | 03 19 07,8 20 15,7 | | | | | |
| 565 | 15 | e(Pn) | ZH | 06 34 07,0 | | | | | |
| | | e(Pn) | NH | 06 34 07,0 | | | | | |
| | | e(Pn) | EH | 06 34 07,0 | | | | | |
| 566 | 15 | ePn iSn iSg | ZH | 18 30 58,0 32 14,8 32 52,3 | | | | 734 | Duración: 200" |
| | | ePn iSn iSg | NH | 18 30 58,0 32 14,8 32 52,3 | | | | | |
| | | ePn iSn eSg | EH | 18 30 58,0 32 14,8 32 52,3 | | | | | |
| 568 | 16 | eP e | ZH | 01 41 33,0 43 19,0 | | | | | |
| | | eP | NH | 01 41 33,0 | | | | | |
| | | eP | EH | 01 41 33,0 | | | | | |
| 569 | 18 | ePg eSg | ZH | 02 23 35,3 23 48,3 | | | | 105 | Duración: 37" |
| | | ePg eSg | NH | 02 23 35,3 23 48,3 | | | | | |
| | | ePg eSg | EH | 02 23 35,3 23 48,3 | | | | | |
| 570 | 18 | iP | ZH | 03 20 36,3 | | | Dil. | | |
| | | eP | NH | 03 20 36,3 | | | | | |
| | | eP | EH | 03 20 36,3 | | | | | |
| 571 | 19 | iP | ZH | 15 26 01,7 | | | Dil. | | |
| | | eP | NH | 15 26 01,7 | | | | | |
| | | eP | EH | 15 26 01,7 | | | | | |

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|---------------|-----|-------------------|------------|----------------------------------|---------|-------------------|--------------|----------------------|-------------------------------------|--|
| 572 | 19 | ePn iSn eSg | ZH | 17 31 55,7 33 14,2 33 53,7 | | | | 751 | Duración: 200" | |
| | | ePn iSn eSg | NH | 17 31 55,7 33 14,2 33 53,7 | | | | | | |
| | | ePn eSn eSg | EH | 17 31 55,7 33 14,2 33 53,7 | | | | | | |
| 573 | 19 | ePn eSn | ZH | 21 49 12,5 50 30,2 | | | | 743 | Duración: 360" | |
| | | ePn iSn | NH | 21 49 12,5 50 30,2 | | | | | | |
| | | ePn iSn | EH | 21 49 12,5 50 30,2 | | | | | | |
| 574 | 20 | iPn iSn iSg | ZH | 00 30 56,2 31 17,4 31 18,6 | | | Dil. | 172 | Lg To,8 Ao,16 Duración: 120" | |
| | | ePn iSn iSg | NH | 00 30 56,2 31 17,4 31 18,6 | | | | | | |
| | | ePn iSn iSg | EH | 00 30 56,2 31 17,4 31 18,6 | | | | | | |
| 575 | 20 | ePn eSn | ZH | 17 04 11,6 05 27,6 | | | | 725 | Duración: 180" | |
| | | ePn eSn | NH | 17 04 11,6 05 27,6 | | | | | | |
| | | ePn eSn | EH | 17 04 11,6 05 27,6 | | | | | | |
| 576 | 20 | iPKP | ZH | 20 02 07,0 | | | | | | |
| | | ePKP | NH | 20 02 07,0 | | | | | | |
| | | ePKP | EH | 20 02 07,0 | | | | | | |
| | | | | | E. Maza | | | | | |

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OCTUBRE - 1.980
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Coordenadas geográficas:

L = 42° 27' 28" Norte

M = 02° 30' 11,7" Oeste

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| Aparatos | Período Péndulo | Período Galvan. | Amplificación Máxima |
|---------------|--------------------|--------------------|-------------------------|
| Stuttgart - Z | 1,30 | 1,30 | 7.500 |
| Stuttgart - N | 1,30 | 1,30 | 6.900 |
| Stuttgart - E | 1,21 | 1,21 | 8.700 |

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|-------------------|------------|----------------------------------|--------|-------------------|--------------|----------------------|-----------------------------|
| 577 | 21 | eP | ZH | 04 11 48,6 | | | | | |
| | | eP | NH | 04 11 48,6 | | | | | |
| | | eP | EH | 04 11 48,6 | | | | | |
| 578 | 21 | ePn eSn | ZH | 16 52 36,9 53 54,2 | | | Com. | 739 | Duración: 267" |
| | | ePn iSn | NH | 16 52 36,9 53 54,2 | | | | | |
| | | ePn eSn | EH | 16 52 36,9 53 54,2 | | | | | |
| 579 | 22 | e(Pn) | ZH | 02 47 50,0 | | | | | |
| | | e(Pn) | NH | 02 47 50,0 | | | | | |
| | | e(Pn) | EH | 02 47 50,0 | | | | | |
| 580 | 22 | eP | ZH | 05 32 36,0 | | | | | |
| | | eP | NH | 05 32 36,0 | | | | | |
| | | eP | EH | 05 32 36,0 | | | | | |
| 581 | 22 | ePn eSn | ZH | 12 30 45,3 32 10,0 | | | | 790 | Duración: 215" |
| | | ePn eSn | NH | 12 30 45,3 32 10,0 | | | | | |
| | | ePn eSn | EH | 12 30 45,3 32 10,0 | | | | | |
| 582 | 22 | e(P) | ZH | 14 12 34,0 | | | | | |
| | | e(P) | NH | 14 12 34,0 | | | | | |
| | | e(P) | EH | 14 12 34,0 | | | | | |
| 583 | 22 | ePg iSg eSn | ZH | 15 23 50,4 23 58,4 24 04,0 | | | Com ? | 69 | Lg To,8 Ao,12 μ |
| | | ePg iSg eSn | NH | 15 23 50,4 23 58,4 24 04,0 | | | | | Lg Duración: 45" |
| | | ePg iSg eSn | EH | 15 23 50,4 23 58,4 24 04,0 | | | | | |
| 584 | 22 | ePg iSg eSn | ZH | 15 50 46,5 50 53,0 51 00,0 | | | | 56 | Lg To,9 Ao,17 μ |

(Continúa....)

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|-------------------|------------|----------------------------------|--------|-------------------|--------------|----------------------|--------------------------------|
| 584 | 22 | ePg iSg eSn | NH | 15 50 46,5 50 53,0 51 00,0 | | | | | Duración: 42" |
| | | ePg iSg eSn | EH | 15 50 46,5 50 53,0 51 00,0 | | | | | |
| 585 | 22 | iPn eSn eSg | ZH | 16 24 58,2 26 18,3 26 59,8 | 0,8 | 0,25 | Com. | 765 | |
| | | iPn iSn eSg | NH | 16 24 58,2 26 18,3 26 59,8 | | | | | Duración: 550" |
| | | ePn iSn eSg | EH | 16 24 58,2 26 18,3 26 59,8 | | | | | |
| 586 | 22 | ePn iSn | ZH | 18 51 28,7 51 52,7 | | | | 200 | Lg To,9 Ao,15 Duración: 80" |
| | | ePn iSn | NH | 18 51 28,7 51 52,7 | | | | | |
| | | ePn iSn | EH | 18 51 28,7 51 52,7 | | | | | |
| 587 | 23 | eP | ZH | 06 06 50,0 | | | | | |
| | | eP | NH | 06 06 50,0 | | | | | |
| | | eP | EH | 06 06 50,0 | | | | | |
| 588 | 23 | iPn eSn | ZH | 09 59 38,8 10 00 53,2 | 0,7 | 0,25 | Dil. | 709 | |
| | | iPn eSn | NH | 09 59 38,8 10 00 53,2 | | | | | Duración: 510" |
| | | iPn eSn | EH | 09 59 38,8 10 00 53,2 | | | | | |
| 589 | 23 | e(P) | ZH | 12 30 44,0 | | | | | |
| | | e(P) | NH | 12 30 44,0 | | | | | |
| | | e(P) | EH | 12 30 44,0 | | | | | |
| 590 | 23 | eP | ZH | 23 29 25,0 | | | Dil ? | | |
| | | eP | NH | 23 29 25,0 | | | | | |
| | | eP | EH | 23 29 25,0 | | | | | |

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | △ (Km) (Grad) | INFORMACION COMPLEMENTARIAS | |
|---------------|-----|-------------------------|------------|---|--------|-------------------|--------------|---------------|------------------------------------|--|
| 591 | 24 | iPKP iPP | ZH | 03 45 32,7 49 43,7 | | | | 17425 | | |
| | | ePKP ePP | NH | 03 45 32,7 49 43,7 | | | | | | |
| | | ePKP ePP | EH | 03 45 32,7 49 43,7 | | | | | | |
| 592 | 24 | ePn eSn | ZH | 12 59 42,8 13 00 58,3 | | | | 720 | Lg Duración: 21o" | |
| | | ePn eSn | NH | 12 59 42,8 13 00 58,3 | | | | | | |
| | | ePn eSn | EH | 12 59 42,8 13 00 58,3 | | | | | | |
| 593 | 24 | ePg iSg eSn | ZH | 14 59 31,3 59 37,8 59 44,8 | | | | 56 | Lg To,7 Ao,12 Duración: 45" | |
| | | ePg iSg eSn | NH | 14 59 31,3 59 37,8 59 44,8 | | | | | | |
| | | ePg iSg eSn | EH | 14 59 31,3 59 37,8 59 44,8 | | | | | | |
| 594 | 24 | iP iPcP iPP iS | ZH | 15 05 50,8 05 57,0 08 59,8 16 07,8 | 1,4 | 1,38 | Com. | 9185 | | |
| | | iP iPcP ePP iS | NH | 15 05 50,8 05 57,0 08 59,8 16 07,8 | | | | | | |
| | | iP iPcP ePP iS | EH | 15 05 50,8 05 57,0 08 59,8 16 07,8 | | | | | | |
| 595 | 25 | ePKP iPKKP ePP | ZH | 11 20 14,8 21 39,8 25 26,0 | | | | 18982 | | |
| | | ePKP ePP | NH | 11 20 14,8 25 26,0 | | | | | | |
| | | ePKP ePKKP ePP | EH | 11 20 14,8 21 39,8 25 26,0 | | | | | | |

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS | |
|---------------|-----|-------------|------------|-----------------------|--------|-------------------|--------------|----------------------|-----------------------------|--|
| 596 | 25 | ePKP ePP | ZH | 16 40 11,0 44 46,0 | | | | 18070 | | |
| | | ePKP ePP | NH | 16 40 11,0 44 46,0 | | | | | | |
| | | ePKP ePP | EH | 16 40 11,0 44 46,0 | | | | | | |
| 597 | 26 | ePn iSn | ZH | 02 29 53,8 31 30,3 | | | | 923 | Duración: 330" | |
| | | ePn eSn | NH | 02 29 53,8 31 30,3 | | | | | | |
| | | ePn eSn | EH | 02 29 53,8 31 30,3 | | | | | | |
| 598 | 26 | ePKP ePP | ZH | 05 32 46,0 33 39,0 | | | | | | |
| | | ePKP | NH | 05 32 46,0 | | | | | | |
| | | ePKP | EH | 05 32 46,0 | | | | | | |
| 599 | 26 | ePKP | ZH | 19 38 36,0 | | | | | | |
| | | ePKP | NH | 19 38 36,0 | | | | | | |
| | | ePKP | EH | 19 38 36,0 | | | | | | |
| 600 | 26 | eP | ZH | 20 32 52,0 | | | | | | |
| | | eP | NH | 20 32 52,0 | | | | | | |
| | | eP | EH | 20 32 52,0 | | | | | | |
| 601 | 27 | ePn iSn | ZH | 03 39 52,2 41 08,7 | | | | 728 | Duración: 250" | |
| | | ePn iSn | NH | 03 39 52,2 41 08,7 | | | | | | |
| | | ePn iSn | EH | 03 39 52,2 41 08,7 | | | | | | |
| 602 | 27 | i(PKP) | ZH | 08 55 16,6 | | | | | | |
| | | e | NH | 08 55 16,6 | | | | | | |
| | | e | EH | 08 55 16,6 | | | | | | |
| 603 | 27 | iP i | ZH | 13 24 43,3 27 14,0 | | | Com. | | | |
| | | eP | NH | 13 24 43,3 | | | | | | |
| | | eP | EH | 13 24 43,3 | | | | | | |
| | | | | | | | | | | |

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|-------|------------|------------|--------|-------------------|--------------|----------------------|-----------------------------|
| 604 | 28 | iPKP | ZH | 02 58 16,3 | | | | | |
| | | ePKKP | | 59 21,0 | | | | | |
| | | ePKP | NH | 02 58 16,3 | | | | | |
| | | ePKP | EH | 02 58 16,3 | | | | | |
| 605 | 28 | iP | ZH | 23 31 19,3 | | | Com. | | |
| | | eP | NH | 23 31 19,3 | | | | | |
| | | eP | EH | 23 31 19,3 | | | | | |
| 606 | 29 | ePn | ZH | 01 31 55,0 | | | | 735 | Duración: 250" |
| | | eSn | | 33 12,0 | | | | | |
| | | ePn | NH | 01 31 55,0 | | | | | |
| | | eSn | | 33 12,0 | | | | | |
| | | ePn | EH | 01 31 55,0 | | | | | |
| | | eSn | | 33 12,0 | | | | | |
| 607 | 30 | ePg | ZH | 11 51 16,4 | | | | 57 | Lg Tl,0 Ao,27 |
| | | iSg | | 51 21,0 | | | | | Duración: 45" |
| | | ePg | NH | 11 51 16,4 | | | | | |
| | | iSg | | 51 21,0 | | | | | |
| | | ePg | EH | 11 51 16,4 | | | | | |
| | | iSg | | 51 21,0 | | | | | |
| 608 | 30 | ePg | ZH | 12 05 17,4 | | | | 125 | Lg Tl,1 Ao,07 |
| | | eSg | | 05 32,0 | | | | | Duración: 60" |
| | | ePg | NH | 12 05 17,4 | | | | | |
| | | eSg | | 05 32,0 | | | | | |
| | | ePg | EH | 12 05 17,4 | | | | | |
| | | eSg | | 05 32,0 | | | | | |
| 609 | 30 | iPn | ZH | 23 39 58,6 | 0,8 | 0,25 | Dil. | 528 | Duración: 720" |
| | | iSn | | 40 55,4 | | | | | |
| | | iSg | | 41 24,4 | | | | | |
| | | iPn | NH | 23 39 58,6 | | | | | |
| | | iSn | | 40 55,4 | | | | | |
| | | iSg | | 41 24,4 | | | | | |
| 610 | 31 | ePn | ZH | 15 40 53,3 | | | | 156 | Lg Tl,0 Ao,12 |
| | | eSn | | 41 13,3 | | | | | Duración: 70" |
| | | ePn | NH | 15 40 53,3 | | | | | |
| | | eSn | | 41 13,3 | | | | | |

(Continúa...)

LOGROÑO (LGR)

MES OCTUBRE

AÑO 1980

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | △ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|------------|------------|-----------------------|--------|-------------------|--------------|---------------|-----------------------------|
| 610 | 31 | ePn eSn | EH | 15 40 53,3 41 13,3 | | | | | |



E. Maza