

INSTITUTO GEOGRAFICO NACIONAL
OBSERVATORIO GEOFISICO DE LOGROÑO
BOLETIN SISMICO PROVISIONAL

REGISTRO DE LA ESTACION ECRI
DE LA RED SISMICA NACIONAL

MAYO 1.990

(1ª. Decena)

ESTACION DE CRIPAN

LOGROÑO (LGR)

MES MAYO

AÑO 1990

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|--------------------------|------------|---|--------|-------------------|--------------|---------------|-----------------------------|
| 1 | 1 | iP iPcP iPP eS | Z | 16 23 50,7 24 00,5 26 50,0 33 47,0 | | | C | 8.735 | |
| 2 | 2 | iPg iSg | Z | 11 41 34,7 41 39,1 | | | C | 37 | |
| 3 | 2 | ePg iSg | Z | 12 23 11,5 23 21,0 | | | - | 81 | |
| 4 | 2 | iPn iPg iSn iSg | Z | 16 41 58,4 42 18,0 43 04,9 43 39,6 | | | C | 628 | |
| 5 | 2 | ePKP i iPKS iPS | Z | 23 09 31,0 09 45,0 13 07,0 22 09,0 | | | | | |
| 6 | 3 | ePg iSg | Z | 09 16 22,0 16 28,5 | | | - | 56 | |
| 7 | 3 | iPn eSn | Z | 11 31 16,3 31 37,3 | | | C | 167 | |
| 8 | 3 | iPg iSg | Z | 14 22 37,0 22 42,5 | | | Dil | 47 | |
| 9 | 3 | iPg iSg | Z | 17 27 40,5 27 47,0 | | | Dil | 56 | |
| 10 | 4 | ePn iSn | Z | 00 20 01,0 20 21,0 | | | | 156 | |
| 11 | 4 | ePg eSg | Z | 16 51 40,4 51 55,3 | | | | 127 | |
| 12 | 5 | eP iPP iPPP iS | Z | 07 24 43,8 24 54,5 25 02,0 27 24,0 | | | C | 1.581 | |
| 13 | 6 | iPg iSg | Z | 02 12 08,0 12 19,0 | | | C | 94 | |

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ESTACION DE CRIPAN

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MES MAYO

AÑO 19 90

| Núm. de orden | Día | Fase | Componente | Hora TMS | T seg. | Amplitud micrones | Dif. o comp. | △ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|-------------------|------------|----------------------------------|--------|-------------------|--------------|---------------|-----------------------------|
| 14 | 6 | iP | Z | 10 25 45,5 | | | Dil. | | |
| 15 | 6 | eP | Z | 10 50 01,0 | | | | | |
| 16 | 7 | iP | Z | 05 29 18,3 | | | Dil. | | |
| 17 | 7 | iPg iSg | Z | 11 54 47,6 54 51,8 | | | C | 37 | |
| 18 | 8 | iPn iSn iSg | Z | 09 36 38,7 37 02,5 37 05,2 | | | Dil. | 195 | |
| 19 | 8 | iPn iSn | Z | 11 26 51,8 27 12,6 | | | C | 165 | |
| 20 | 9 | ePg eSg | Z | 08 30 02,0 30 10,0 | | | C | 70 | |
| 21 | 9 | iP | Z | 17 04 23,5 | | | Dil. | | |
| 22 | 10 | iPg eSg | Z | 09 57 52,3 57 58,8 | | | Dil. | 56 | |
| 23 | 10 | ePn iSn | Z | 11 01 44,0 02 03,5 | | | - | 153 | |
| 24 | 10 | ePg iSg | Z | 11 37 21,7 37 34,0 | | | | 105 | |
| 25 | 10 | iPg iSg | Z | 12 44 09,0 44 13,0 | | | Dil. | 34 | |

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ESTACION DE CRIPAN

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MES MAYO

AÑO 19...90...

| Núm. de orden | Día | Fase | Componente | Hora TMG | T seg. | Amplitud micrones | Dil. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|------------|------------|-----------------------|--------|-------------------|--------------|----------------------|-----------------------------|
| 26 | 10 | iPg iSg | Z | 14 04 39,8 04 43,9 | | | Dil. | 35 | |
| 27 | 10 | iPg iSg | Z | 16 50 18,5 50 27,0 | | | C | 73 | |



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MAYO 1.990
(2ª. Decena)

| Núm. de orden | Día | Fase | Componente | Hora TMS | T seg. | Amplitud micrones | Dil. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|------|------------|------------|--------|-------------------|--------------|---------------|-----------------------------|
| 28 | 11 | iPg | Z | 07 58 26.9 | | | C | 55 | |
| | | iSg | | 58 33.3 | | | | | |
| 29 | 11 | ePg | Z | 12 11 15.4 | | | - | 115 | |
| | | eSg | | 11 28.8 | | | | | |
| 30 | 11 | iP | Z | 13 22 02.3 | | | Dil. | | |
| 31 | 12 | iP | Z | 05 01 35.8 | | | Dil. | 3.060 | |
| | | ePP | Z | 02 23.8 | | | | | |
| | | iPcP | | 04 56.0 | | | | | |
| | | iS | | 06 16.0 | | | | | |
| 32 | 12 | eP | Z | 05 30 07.0 | | | - | | |
| 33 | 13 | iP | Z | 04 43 20.5 | | | Dil. | | |
| | | i | | 45 06.5 | | | | | |
| | | i | | 49 05.0 | | | | | |
| 34 | 14 | ePg | Z | 11 45 31.5 | | | - | 56 | |
| | | iSg | | 45 38.0 | | | | | |
| 35 | 14 | eP | Z | 17 08 20. | | | | | |
| 36 | 15 | iPg | Z | 10 17 27.5 | | | Dil. | 57 | |
| | | eSg | | 17 34.0 | | | | | |
| 37 | 15 | iP | Z | 14 34 44.0 | | | Dil. | 7.230 | |
| | | iPcP | | 35 14.0 | | | | | |
| | | iPP | | 37 09.0 | | | | | |

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| Núm. de orden | Día | Fase | Componente | Hora TMS | T seg. | Amplitud micrones | Dil. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|--------------|------------|----------------------------------|--------|-------------------|--------------|----------------------|-----------------------------|
| 38 | 15 | iPg iSg | Z | 15 59 08.8 59 14.0 | | | C | 44 | |
| 39 | 15 | iP | Z | 16 34 10.0 | | | C | | |
| 40 | 15 | iP | Z | 20 27 03.0 | | | Dil. | | |
| 41 | 15 | iP e e | Z | 21 53 35.0 56 52.0 58 52.0 | | | Dil. | | |
| 42 | 15 | iP | Z | 22 41 41.5 | | | Dil. | | |
| 43 | 16 | iPg iSg | Z | 09 38 33.3 38 42.1 | | | C | 77 | |
| 44 | 16 | iP e | Z | 13 44 25.0 44 46.0 | | | C | | |
| 45 | 16 | iPg iSg | Z | 13 52 39.7 52 43.9 | | | Dil | 35 | |
| 46 | 16 | iPg iSg | Z | 14 44 37.0 44 41.1 | | | C | 34 | |
| 47 | 16 | ePn eSn | Z | 15 51 35.0 51 54.4 | | | | 152 | |

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| Núm. de orden | Día | Fase | Componente | Hora TSG | T seg. | Amplitud micrones | Dil. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|--|------------|---|--------|-------------------|--------------|---------------|-----------------------------|
| 48 | 17 | iP i | Z | 08 48 29.2 50 40.0 | | | C | | |
| 49 | 17 | ePg iSg | Z | 08 55 41.0 55 47.0 | | | Dil. | 52 | |
| 50 | 17 | iP i | Z | 11 15 56.2 16 28.7 | | | C | | |
| 51 | 17 | iP iPcP ePP | Z | 13 30 41.0 31 06.5 33 16.5 | | | C | | |
| 52 | 18 | iPg iSg | Z | 11 23 35.4 23 39.0 | | | Dil. | 31 | |
| 53 | 20 | iP iPcP iPP iPPP ePcS iS iSS eL | Z | 02 30 45.0 31 57.0 32 44.0 33 49.0 35 55.0 38 08.0 41 44.0 46 27.0 | | | C | 5.790 | |
| 54 | 20 | i(PKP) i | Z | 07 52 05.0 52 29.0 | | | C | | |

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| Núm. de orden | Día | Fase | Componente | Hora TMB | T. neg. | Amplitud microms | DEL. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|---------|------------|-----------------------|---------|------------------|--------------|----------------------|-----------------------------|
| 55 | 20 | iP e | Z | 10 13 16.0 16 37.0 | | | C | | |



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MAYO 1.990

3ª. DECENA

ESTACION DE CRIPAN

LOGROÑO (LGR)

MES MAYO

AÑO 19 90

| Núm. de orden | Día | Fase | Componente | Hora TMO | T seg. | Amplitud microms | DIL. o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS | |
|---------------|-----|------|------------|----------|--------|------------------|--------------|----------------------|-----------------------------|--|
| 56 | 21 | ePn | Z | 11 29 | 54.6 | | | 164 | | |
| | | isn | | 30 | 14.9 | | | | | |
| 57 | 21 | iP | Z | 13 12 | 32.0 | | C | | | |
| | | e | | 15 | 46.0 | | | | | |
| 58 | 21 | iPg | Z | 16 36 | 21.1 | | Dil. | 30 | | |
| | | iSg | | 36 | 24.6 | | | | | |
| 59 | 22 | ePg | Z | 09 40 | 48.5 | | | 59 | | |
| | | eSg | | 40 | 55.5 | | | | | |
| 60 | 22 | iPn | Z | 10 56 | 57.5 | | Dil. | 236 | | |
| | | eSn | | 57 | 25.0 | | | | | |
| 61 | 22 | ePn | Z | 11 31 | 54.8 | | | 184 | | |
| | | iSn | | 32 | 17.0 | | | | | |
| 62 | 23 | ePn | Z | 11 49 | 19.2 | | C | 178 | | |
| | | iSn | | 49 | 38.3 | | | | | |
| 63 | 23 | ePg | Z | 12 08 | 31.8 | | | 55 | | |
| | | iSg | | 08 | 38.6 | | | | | |
| 64 | 24 | iPg | Z | 10 30 | 10.4 | | C | 52 | | |
| | | iSg | | 30 | 16.4 | | | | | |
| 65 | 24 | ePn | Z | 13 59 | 17.0 | | | 156 | | |
| | | iSn | | 59 | 37.0 | | | | | |
| 66 | 24 | iP | Z | 19 43 | 25.0 | | Dil. | 6.005 | | |
| | | iPP | | 45 | 30.0 | | | | | |
| | | eS | | 51 | 01.0 | | | | | |
| | | eL | | 20 00 | 15.0 | | | | | |
| 67 | 24 | iP | Z | 20 08 | 48.0 | | Dil. | | | |
| | | iPP | | 10 | 54.0 | | | | | |

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|---------------|-----|--------------------------|------------|---|--------|-------------------|--------------|----------------------|-----------------------------|
| 68 | 24 | iP i | Z | 20 27 08.2 28 23.0 | | | Dil. | | |
| 69 | 24 | eP | Z | 20 29 49.0 | | | | | |
| 70 | 24 | eP | Z | 20 37 16.5 | | | | | |
| 71 | 24 | iP | Z | 22 24 44.0 | | | C | | |
| 72 | 25 | iP | Z | 00 51 12.5 | | | C | | |
| 73 | 25 | iP | Z | 02 22 25.5 | | | Dil. | | |
| 74 | 25 | iPn iSn | Z | 11 29 59.0 30 19.0 | | | C | 156 | |
| 75 | 25 | ePn eSn | Z | 15 30 51.0 31 10.0 | | | | 154 | |
| 76 | 26 | eP | Z | 05 30 39.0 | | | | | |
| 77 | 26 | iPn iPg iSn iSg | Z | 09 23 05.7 23 36.3 24 21.8 25 03.7 | | | C | 734 | |
| 78 | 27 | eP | Z | 15 38 21.0 | | | | | |
| 79 | 27 | iP i(PP) i | Z | 21 56 02.0 57 03.0 58 52.0 | | | C | | |
| 80 | 27 | iP | Z | 22 01 25.0 | | | C | | |
| 81 | 28 | ePg iSg | Z | 12 09 44.0 09 50.8 | | | | 58 | |
| 82 | 29 | ePn iSn | Z | 11 24 57.3 25 18.0 | | | - | 163 | |

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| Núm. de orden | Día | Fase | Componente | Hora TMO | T seg. | Amplitud micrones | DIL o comp. | Δ (Km) (Grad) | INFORMACION COMPLEMENTARIAS |
|---------------|-----|--|------------|---|--------|-------------------|-------------|----------------------|-----------------------------|
| 83 | 29 | iPg iSg | Z | 12 50 12.6 50 16.3 | | | Dil. | 31 | |
| 84 | 29 | ePg iSg | Z | 13 41 19.0 41 22.7 | | | - | 31 | |
| 85 | 29 | eP i(PP) | Z | 18 43 09.5 46 08.5 | | | Dil. | | |
| 86 | 30 | iP iPcP iPP eS | Z | 02 46 31.0 46 35.0 49 50.0 56 57.0 | | | Dil. | 9.395 | |
| 87 | 30 | ePg iSg | Z | 09 56 57.0 57 03.5 | | | C | 56 | |
| 88 | 30 | iP iPP iS iPcP iSS | Z | 10 44 45.7 45 09.5 48 38.5 48 49.0 49 16.0 | | | Dil. | 2.390 | |
| 89 | 30 | iPg iSg | Z | 12 11 50.0 11 55.5 | | | Dil. | 47 | |
| 90 | 30 | eP | Z | 17 01 54.0 | | | | | |
| 91 | 31 | iP iPP iS iPcP iSS iScS | Z | 00 22 27.8 22 52.5 26 23.0 26 31.0 26 53.4 33 44.0 | | | C | 2.405 | |

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|---------------|-----|------------|------------|-----------------------|--------|------------------|--------------|----------------------|-----------------------------|
| 92 | 31 | iP iPP | Z | 07 48 01.0 51 20.0 | | | Dil. | 9.450 | |
| 93 | 31 | ePn iSn | Z | 11 35 26.5 35 48.2 | | | - | 174 | |



Esteban Maza Larraz