

1993

Boletín de
Sismos Próximos



Ministerio de Fomento
Instituto Geográfico Nacional

**BOLETÍN DE SISMOS
PRÓXIMOS
1.993**

**INSTITUTO GEOGRÁFICO NACIONAL
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INTRODUCCIÓN

El INSTITUTO GEOGRÁFICO NACIONAL presenta con esta publicación la actividad sísmica localizada por la Red Sísmica Nacional durante el año de 1.993 en la Península Ibérica, áreas próximas y archipiélago Canario.

En el presente boletín están recogidos todos los sismos localizados con epicentro comprendido entre los paralelos 34°N-44°N y los meridianos 18°W-6°E. Se incluye un apartado referente a la sismicidad en las Islas Canarias, en el que están incluidos los sismos con epicentro comprendido entre los paralelos 27°N-30°N y los meridianos 19°W-13°W.

Con el fin de precisar al máximo posible la localización, así como para la realización del cálculo del mecanismo focal, se han utilizado los datos de estaciones sísmicas dependientes de otros organismos españoles - *Real Academia de Ciencias y Artes de Barcelona, Central Nuclear de Cofrentes, Consejo Superior de Investigaciones Científicas, Hidroeléctrica de Cataluña, Instituto de Estudios Catalanes, Instituto Cartográfico de Cataluña, Observatorio del Ebro, Real Observatorio de la Armada, SECEG, Universidad de Alicante, Universidad de Granada*- y los suministrados por organismos extranjeros -*Centre de Documentation Seismologique (Francia), Centre National de la Recherche (Marruecos), C.R.A.A.G. (Argelia), Institut de Physique du Globe (Francia), Istituto de Meteorologia (Portugal), Istituto Nazionale di Geofisica (Italia), Laboratoire de Détection et de Géophysique (Francia), Observatoire Midi-Pyrenees (Francia), Universidad de Coimbra (Portugal), Universidad de Lisboa (Portugal), Universite Mohamed V (Marruecos)*..

Este año han ocurrido tres terremotos de magnitud superior a 5.0. El primero de ellos el 7 de marzo en Argelia con magnitud 5.1. El día 23 de mayo en las proximidades de las Islas Chafarinas de magnitud 5.4. Este terremoto con epicentro forma parte de la serie iniciada el 12 de marzo de 1992 ya que desde entonces se han registrado sismos en la zona culminando en este de magnitud 5.4 al que le han seguido numerosas réplicas. El resultado del mecanismo focal calculado corresponde a una falla de desgarre lo mismo que el de 12 de marzo del 92. El último de los terremotos significativos localizados este año es el ocurrido el 23 de diciembre en la zona de Adra (Almería) con magnitud 5.0. Este terremoto ha sido seguido por una larga serie de réplicas ocurriendo el día 4 de Enero de 1994 otro terremoto de magnitud 4.9. Una descripción de la serie completa y sus principales consecuencias sismotectónicas se puede encontrar en *Rueda et al. (1996)*, los resultados de un estudio sobre los efectos de los terremotos en *Martínez Solares y Pascual (1996)* y un estudio de atenuación de aceleraciones de estos terremotos en *Martin et al. (1996)*.

La información macrosísmica ha sido recopilada mediante el envío y posterior evaluación, en la escala M.S.K. de cuestionarios de información, que con la colaboración de Ayuntamientos y Puestos de la Guardia Civil son distribuidos a la población posiblemente afectada en caso de terremoto sentido. Estas encuestas se confirman con visitas a la zona por el personal de este Servicio cuando la importancia del sismo así lo requiere. Los datos macrosísmicos en la parte francesa de los Pirineos han sido recogidos gracias a la colaboración de *Mr. Pierre Stahl*.

Las determinaciones hipocentrales han sido realizadas mediante el programa de cálculo HYPO71 de W.H.K. Lee y J.C. Lahr (1975), utilizando los modelos estratificados de corteza y la relación Vp/Vs que se muestran en siguiente tabla:

PENINSULA Vp/Vs = 1.75		CANARIAS Vp/Vs = 1.75	
Capa (km)	Velocidad (km/s)	Capa (km)	Velocidad (km/s)
0-11	6.10	0-4	4.20
11-24	6.40	4-12	6.30
24-31	6.90	12-18	7.50
31-	8.00	18-	8.00

Para el cálculo de la magnitud se utiliza la medida de la amplitud y frecuencia en el máximo sostenido de la fase Lg, obteniéndose $m_b(Lg)$ de acuerdo con las expresiones siguientes:

$$m_b(Lg) = 3.90 + 1.05 \log(D^\circ) + \text{Log}(A/T) \quad \text{Para } D^\circ < 3^\circ$$

$$m_b(Lg) = 3.30 + 1.66 \log(D^\circ) + \text{Log}(A/T) \quad \text{Para } D^\circ > 3^\circ$$

Siendo D° la distancia epicentral expresada en grados y A/T el cociente entre la amplitud máxima sostenida de la fase Lg y su período correspondiente.

En el caso de los sismos de Canarias, la magnitud ha sido determinada en función de la duración del registro del sismo, de acuerdo con la expresión:

$$m_d = -0.87 + 2 \log(T) + 0.0035D$$

Siendo T la duración en segundos y D la distancia epicentral en kilómetros.

Para la determinación de los mecanismos focales, se han utilizado el método numérico basado en el algoritmo de Brillinger *et al* (1980) que permite estimar la orientación de los ejes y planos de falla así como sus desviaciones típicas (Udias y Buforn, 1988) y el programa FPFIT (Reasenberg y Oppenheimer 1985) modificando previamente el valor de los ángulos de incidencia que calcula el programa HYPO71 por los calculados considerando un modelo de corteza formado por una capa con velocidad en el límite superior de 4.0 km/s con un gradiente de 0.166 km/s por cada kilómetro de profundidad hasta los 12 kilómetros en los que empieza un semiespacio de velocidad en su límite superior de 6.2 km/s con un aumento de 0.042 km/s por cada kilómetro de profundidad. En cada

uno de los mecanismos calculados por los dos métodos se ha elegido la mejor solución, después de un minucioso estudio de los resultados obtenidos con los dos métodos.

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Madrid, octubre de 1.996

**ESTACIONES SÍSMICAS CUYOS DATOS HAN SIDO UTILIZADOS EN LAS
LOCALIZACIONES**

COD.	LATITUD	LONGITUD	INSTITUCION	PAIS	No
ACU	38°30.68'N	0°24.64'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	68
ALB	42°18.77'N	2°43.41'E	INSTITUT CARTOGRAFIC DE CATALUNYA	ESPAÑA	30
ALJ	36°40.42'N	5°36.24'W	REAL OBSERVATORIO DE LA ARMADA	ESPAÑA	53
ANTZ	28°28.48'N	9°51.28'W	UNIVERSITE MOHAMED V	MARRUECOS	12
ATE	43°05.15'N	0°42.02'W	INSTITUT DE PHYSIQUE DU GLOBE	FRANCIA	19
ATN	38°09.48'N	15°27.78'E	ISTITUTO NAZIONALE DI GEOFISICA	ITALIA	1
AVE	33°17.89'N	7°24.84'W	UNIVERSITE MOHAMMED V	MARRUECOS	56
AVF	46°47.43'N	3°21.16'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	7
AVN	41°53.02'N	0°45.11'E	INSTITUT CARTOGRAFIC DE CATALUNYA	ESPAÑA	56
BDBF	43°03.54'N	0°09.00'E	OBSERVATOIRE MIDI-PYRENEES	FRANCIA	16
BGF	46°33.46'N	2°50.78'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	10
BIT	35°38.58'N	5°44.04'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	27
BMK	34°56.46'N	5°50.58'W	UNIVERSITE MOHAMMED V	MARRUECOS	10
BOH	43°06.16'N	1°00.70'W	INSTITUT DE PHYSIQUE DU GLOBE	FRANCIA	14
BRU	42°17.03'N	2°17.37'E	INSTITUT CARTOGRAFIC DE CATALUNYA	ESPAÑA	40
BTH	43°07.38'N	0°12.42'W	CENTRE DE DOC. SEISMOLOGIQUE	FRANCIA	49
CAF	44°55.55'N	2°03.87'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	65
CCAN	28°13.30'N	16°36.30'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	17
CFTV	28°24.83'N	14°05.00'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	26
CHIE	27°43.62'N	17°57.64'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	17
CIA	31°33.36'N	8°46.14'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	9
CLZ	33°02.52'N	5°02.52'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	28
CNIL	36°22.20'N	6°03.27'W	SCEG, IGN, ROA	ESPAÑA	33
COI	40°12.40'N	8°25.10'W	UNIVERSIDADE DE COIMBRA	PORTUGAL	30
CPS	35°47.40'N	5°54.60'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	22
CTFE	28°28.77'N	16°15.73'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	16
EALH	37°51.49'N	1°25.18'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	77
EBAN	38°09.86'N	3°47.14'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	278
EBR	40°49.23'N	0°29.60'E	OBSERVATORIO DEL EBRO	ESPAÑA	55
ECHE	39°35.45'N	0°58.06'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	100
ECOG	37°16.63'N	3°33.98'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	320
ECRI	42°36.53'N	2°30.60'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	96
EGRA	42°11.71'N	0°18.96'E	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	122
EGUA	36°50.02'N	3°33.92'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	320
EHOR	37°49.39'N	5°14.88'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	288
EHUE	37°48.89'N	2°35.56'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	219
EJIF	36°27.08'N	5°28.13'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	169
ELIZ	43°09.84'N	1°31.71'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	59
ELOJ	37°08.86'N	4°09.15'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	34

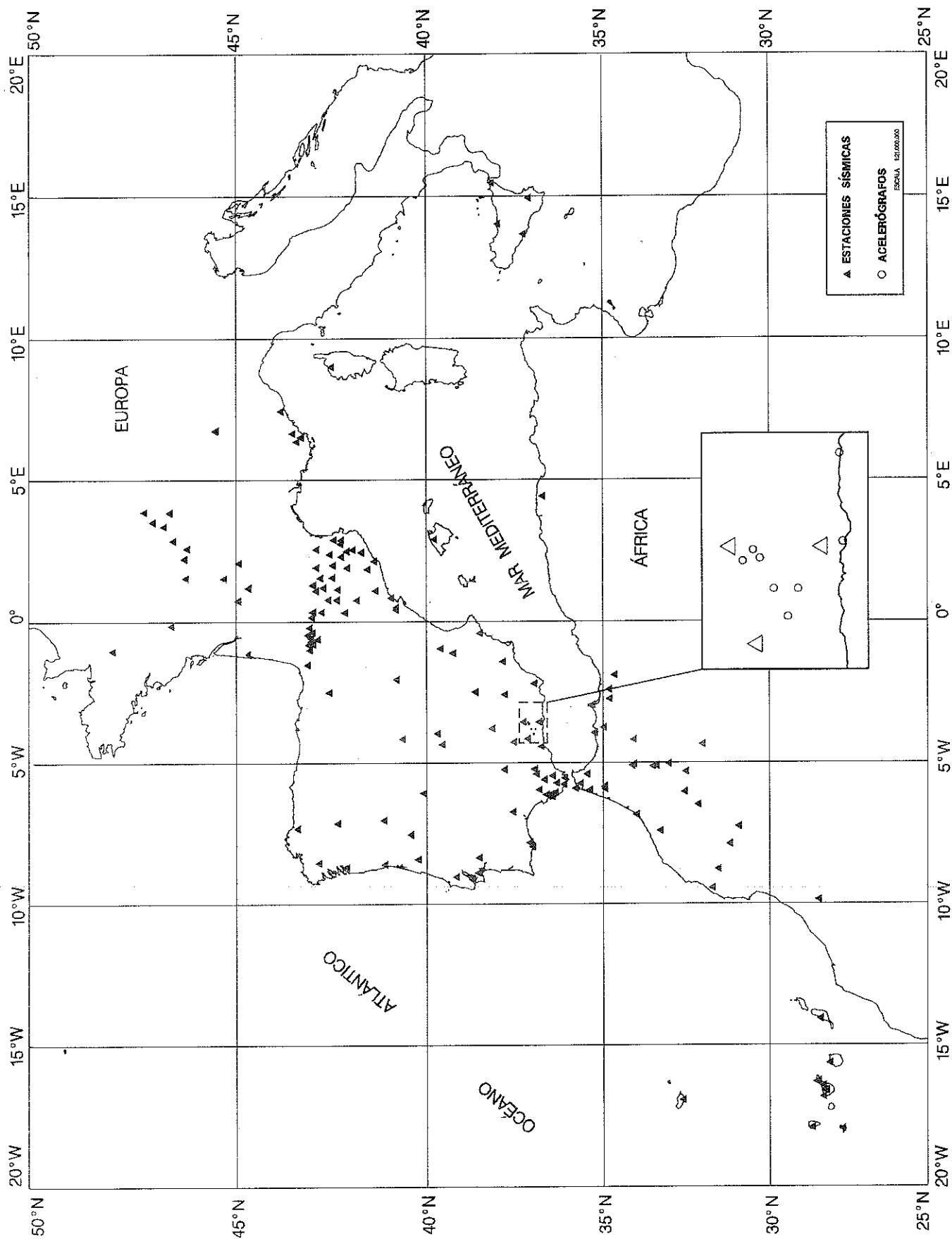
COD	LATITUD	LONGITUD	INSTITUCION	PAIS	No
ELUQ	37°33.63'N	4°16.01'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	221
EMAL	36°45.72'N	4°25.68'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	47
EMEL	35°18.00'N	2°57.40'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	45
EMON	43°26.17'N	7°19.79'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	39
ENIJ	36°58.29'N	2°12.42'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	202
ENSF	42°48.29'N	0°20.14'E	OBSERVATOIRE MIDI-PYRENEES	FRANCIA	33
EPF	43°01.85'N	0°20.40'E	LAB. DETECTION ET DE GOEPHYSIQUE	FRANCIA	122
EPLA	40°03.85'N	6°04.82'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	139
EPRU	36°57.96'N	5°13.88'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	206
EROQ	40°49.39'N	0°24.53'E	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	98
ERUA	42°23.56'N	7°08.55'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	76
ESCF	43°04.71'N	0°34.48'W	INSTITUT DE PHYSIQUE DU GLOBE	FRANCIA	16
ESEL	39°46.09'N	2°53.66'E	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	35
ESLA	39°40.45'N	3°57.79'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	12
ETER	42°18.09'N	2°51.33'E	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	85
ETOR	40°49.17'N	2°03.31'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	153
EVAL	37°35.05'N	6°44.86'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	172
EVIA	38°38.31'N	2°30.15'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	280
EZAM	42°08.94'N	8°41.70'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	59
FAI	37°16.26'N	13°40.20'E	ISTITUTO NAZIONALE DI GEOFISICA	ITALIA	1
FAR	37°01.13'N	7°58.34'W	INSTITUTO DE METEOROLOGIA	PORTUGAL	23
FBR	41°24.98'N	2°07.50'E	ACADEMIA DE CIENCIAS Y ARTES	ESPAÑA	9
FIG	37°05.98'N	7°49.78'W	INSTITUTO DE METEOROLOGIA	PORTUGAL	70
FONT	41°45.70'N	2°26.00'E	ACADEMIA DE CIENCIAS Y ARTES	ESPAÑA	34
FRF	43°33.64'N	6°38.81'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	17
FUL	32°38.00'N	16°56.00'W	INSTITUTO DE METEOROLOGIA	PORTUGAL	1
GGC	28°07.18'N	15°38.20'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	27
GIB	37°59.34'N	14°01.62'E	ISTITUTO NAZIONALE DI GEOFISICA	ITALIA	1
GIBL	36°49.81'N	5°58.04'W	REAL OBSERVATORIO DE LA ARMADA	ESPAÑA	26
GRBF	42°50.49'N	1°32.19'E	OBSERVATOIRE MIDI-PYRENEES	FRANCIA	40
GUD	40°38.59'N	4°09.22'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	149
GUI	28°19.25'N	16°26.43'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	3
IFR	33°31.00'N	5°07.63'W	UNIVERSITE MOHAMMED V	MARRUECOS	77
INMG	38°43.46'N	9°07.54'W	INSTITUTO DE METEOROLOGIA	PORTUGAL	11
ISSF	43°01.67'N	0°47.72'W	INSTITUT DE PHYSIQUE DU GLOBE	FRANCIA	13
JAU	43°02.28'N	0°22.16'W	INSTITUT DE PHYSIQUE DU GLOBE	FRANCIA	14
JHA	31°44.04'N	9°26.40'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	9
KSB	32°34.26'N	6°02.16'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	21
LESF	43°01.86'N	1°17.04'E	OBSERVATOIRE MIDI-PYRENEES	FRANCIA	24

COD	LATITUD	LONGITUD	INSTITUCION	PAIS	No
LFF	44°56.37'N	0°44.41'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	64
LHE	42°54.78'N	0°37.28'W	INSTITUT DE PHYSIQUE DU GLOBE	FRANCIA	13
LIJA	36°54.36'N	5°24.23'W	REAL OBSERVATORIO DE LA ARMADA	ESPAÑA	40
LIS	38°42.99'N	9°08.95'W	UNIVERSIDAD DE LISBOA	PORTUGAL	42
LMR	43°20.03'N	6°30.55'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	20
LOR	47°16.10'N	3°51.53'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	3
LPF	48°01.90'N	1°02.45'W	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	8
LPG	45°29.86'N	6°45.09'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	7
LPL	45°30.94'N	6°43.94'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	5
LPO	44°40.98'N	1°11.22'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	91
LRG	43°27.28'N	6°21.62'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	21
LSF	46°15.00'N	1°31.77'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	14
LSPF	42°56.89'N	1°54.26'E	OBSERVATOIRE MIDI-PYRENEES	FRANCIA	27
MADF	43°08.26'N	0°49.17'W	INSTITUT DE PHYSIQUE DU GLOBE	FRANCIA	14
MAF	46°13.29'N	2°33.99'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	14
MAL	36°43.65'N	4°24.67'E	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	97
MEU	37°06.66'N	14°55.80'E	ISTITUTO NAZIONALE DI GEOFISICA	ITALIA	1
MFF	46°36.13'N	0°08.75'W	INSTITUT DE PHYSIQUE DU GLOBE	FRANCIA	18
MLS	42°57.48'N	1°04.98'E	OBSERVATOIRE MIDI-PYRENEES	FRANCIA	31
MOE	38°32.06'N	8°21.26'W	INSTITUTO DE METEOROLOGIA	PORTUGAL	96
MOMI	36°19.81'N	5°43.20'W	SECEG, IGN, ROA	ESPAÑA	13
MRB	41°35.70'N	1°50.36'E	INSTITUT CARTOGRAFIC DE CATALUNYA	ESPAÑA	20
MSH	33°24.36'N	5°06.48'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	8
MTE	40°24.20'N	7°32.20'W	INSTITUTO DE METEOROLOGIA	PORTUGAL	77
MTHF	42°56.32'N	2°32.04'E	OBSERVATOIRE MIDI-PYRENEES	FRANCIA	33
MVO	41°09.86'N	7°01.73'W	INSTITUTO DE METEOROLOGIA	PORTUGAL	10
NKM	35°26.89'N	5°24.60'W	UNIVERSITE MOHAMMED V	MARRUECOS	27
OGE	43°10.11'N	0°28.40'W	INSTITUT DE PHYSIQUE DU GLOBE	FRANCIA	12
OJEN	36°05.96'N	5°32.45'W	SECEG, IGN, ROA	ESPAÑA	10
OLT	42°08.66'N	2°28.46'E	INSTITUT CARTOGRAFIC DE CATALUNYA	ESPAÑA	44
OUJ	34°39.42'N	1°54.06'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	10
OUK	31°12.42'N	7°52.50'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	12
PAB	39°32.75'N	4°20.90'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	49
PAL	35°13.50'N	3°56.52'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	19
PALM	38°33.30'N	8°54.20'W	INSTITUTO DE METEOROLOGIA	PORTUGAL	6
PAND	42°31.35'N	1°32.81'E	OBSERVATOIRE MIDI-PYRENEES	FRANCIA	17
PERF	42°29.14'N	2°52.45'E	OBSERVATOIRE MIDI-PYRENEES	FRANCIA	25
PINR	36°29.94'N	6°07.10'W	REAL OBSERVATORIO DE LA ARMADA	ESPAÑA	3
PGF	42°32.90'N	8°59.97'E	LAB. DETECTION ET GEOPHYSIQUE	FRANCIA	14

COD	LATITUD	LONGITUD	INSTITUCION	PAIS	No
PLAT	36°07.36'N	5°45.93'W	SECEG, IGN, ROA	ESPAÑA	48
PLML	38°33.47'N	8°54.38'W	INSTITUTO DE METEOROLOGIA	PORTUGAL	22
PMJU	39°10.50'N	9°02.93'W	INSTITUTO DE METEOROLOGIA	PORTUGAL	5
POB	41°22.80'N	1°04.80'E	INSTITUT D' ESTUDIS CATALANS	ESPAÑA	2
PON	42°24.26'N	0°45.44'E	INSTITUT CARTOGRAFIC DE CATALUNYA	ESPAÑA	45
PTO	41°08.32'N	8°36.14'W	INSTITUTO DE METEOROLOGIA	PORTUGAL	28
RANB	36°37.97'N	6°08.30'W	REAL OBSERVATORIO DE LA ARMADA	ESPAÑA	14
RBA	34°00.54'N	6°50.44'W	UNIVERSITE MOHAMMED V	MARRUECOS	7
RJF	45°18.27'N	1°30.98'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	43
RSA	34°55.80'N	5°55.80'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	21
RTC	33°59.40'N	6°51.48'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	12
SALF	42°45.61'N	1°11.37'E	OBSERVATORIE MIDI-PYRENEES	FRANCIA	52
SBF	43°51.79'N	7°26.11'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	11
SFS	36°27.94'N	6°12.33'W	REAL OBSERVATORIO DE LA ARMADA	ESPAÑA	12
SMF	46°38.72'N	3°50.47'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	5
SOR	42°22.58'N	1°08.15'E	INSTITUT CARTOGRAFIC DE CATALUNYA	ESPAÑA	52
SQD	41°59.00'N	2°31.40'E	HIDROELECTRICA DE CATALUÑA	ESPAÑA	21
SSF	47°03.69'N	3°30.36'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	5
STS	42°53.16'N	8°33.15'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	57
TAF	34°48.85'N	2°24.87'W	UNIVERSITE MOHAMMED V	MARRUECOS	30
TAZ	32°10.08'N	6°29.22'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	17
TBT	28°40.76'N	17°54.87'W	INSTITUTO GEOGRAFICO NACIONAL	ESPAÑA	17
TCF	46°17.28'N	2°12.60'E	LAB. DETECTION ET DE GEOPHYSIQUE	FRANCIA	12
TFLM	28°32.04'N	16°17.58'W	CONSEJO SUP. DE INV. CIENTIFICAS	ESPAÑA	1
TFMB	28°16.38'N	16°36.54'W	CONSEJO SUP. DE INV. CIENTIFICAS	ESPAÑA	1
TFTN	28°19.50'N	16°49.80'W	CONSEJO SUP. DE INV. CIENTIFICAS	ESPAÑA	1
TGT	34°04.20'N	5°03.30'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	30
TIO	30°55.60'N	7°15.70'W	UNIVERSITE MOHAMMED V	MARRUECOS	65
TNF	32°31.80'N	5°19.14'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	12
TOU	34°57.72'N	3°45.24'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	15
TRGS	42°30.35'N	1°58.49'E	OBSERVATOIRE MIDI-PYRENEES	FRANCIA	21
TSY	35°22.38'N	5°58.20'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	30
TZK	34°05.34'N	4°11.04'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	23
VAN	40°57.28'N	0°49.68'E	INS. DE ESTUDIOS CATALANES	ESPAÑA	2
VDCF	42°35.45'N	2°21.93'E	OBSERVATOIRE MIDI-PYRENEES	FRANCIA	34
VIH	42°37.73'N	0°46.20'E	INSTITUT CARTOGRAFIC DE CATALUNYA	ESPAÑA	51
VIL	42°08.18'N	1°53.48'E	INSTITUT CARTOGRAFIC DE CATALUNYA	ESPAÑA	27
VIV	39°15.91'N	1°07.22'W	CENTRAL NUCLEAR DE COFRENTES	ESPAÑA	72
ZAI	34°48.18'N	2°44.76'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	18

COD.	LATITUD	LONGITUD	INSTITUCION	PAIS	No
ZER	34°07.20'N	5°06.36'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	5
ZFT	32°02.04'N	4°21.12'W	CENTRE NATIONAL DE LA RECHERCHE	MARRUECOS	4

ACELEROGRAFOS DEL IGN CUYOS DATOS HAN SIDO UTILIZADOS EN LAS LOCALIZACIONES				
COD.	LATITUD	LONGITUD	EMPLAZAMIENTO	No
ADRA	36°45,00'N	3°00,00'W	ADRA	1
ALBO	37°13,00'N	3°39,00'W	ALBOLOTE	1
ALHA	37°00,00'N	3°59,00'W	ALHAMA DE GRANADA	2
CHUR	37°08,00'N	3°38,00'W	CHURRIANA	1
JAYE	36°57,00'N	3°49,00'W	JAYENA	1
MOTR	36°44,00'N	3°32,00'W	MOTRIL	1
TORR	37°10,00'N	3°35,00'W	TORRE CANALES	1
VENT	37°04,00'N	3°49,00'W	VENTAS DE HUELMA	1



SISMICIDAD AÑO 1.993

- Resumen de sismos localizados
- Mapa de sismicidad por magnitudes
- Mapa de sismicidad por intensidades
- Datos del cálculo hipocentral

LEYENDA

FECHA	Año - mes - día
HORA	Hora origen (GMT)
LONGITUD	Longitud en grados, minutos y décimas
LATITUD	Latitud en grados, minutos y décimas
PRO	Profundidad en kilómetros
RMS	Error cuadrático medio, en segundos
EH	Error epicentral en kilómetros
EZ	Error en profundidad en kilómetros
NO	Número de observaciones utilizadas en el cálculo
mb	Magnitud mb a partir de la fase Lg
INT	Intensidad máxima, escala M.S.K.
+	Dispone de mapa de isosistas
P	Sismo premonitorio
R	Réplica
S	Sismo submarino, sentido en tierra
T	Sismo que ha ocasionado tsunami
M	Dispone de mecanismo focal calculado
I	Existe información macrosísmica en el apartado de intensidades

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	mb	INT	LOCALIZACIÓN
1993-01-01	02:09:29.4	04°34.9'W	35°45.8'N	63	±0.7	±3	±8	23	3.2		MAR DE ALBORAN
1993-01-01	21:00:12.8	04°42.4'E	43°36.8'N	23	±1.0	±3	±8	26	3.5		ARLES.FR
1993-01-02	01:39:14.3	02°25.1'W	36°43.8'N	5	±0.3	±2	±5	7	2.9		SW.ROQUETAS DE MAR
1993-01-02	02:00:12.1	00°31.4'W	43°11.7'N	4	±0.8	±3	±4	9	2.9		OLORON-S. MARIE.FR
1993-01-02	23:26:36.1	03°32.3'W	37°13.2'N		±0.2	±5		6	2.3		ALFACAR.GR
1993-01-04	09:19:26.2	02°35.7'W	36°34.5'N	4	±0.8	±2	±2	57	3.7	IV	SMI GOLFO DE ALMERIA
1993-01-04	17:14:56.1	02°38.9'W	36°35.5'N	3	±0.9	±5	±3	17	3.2	II-III	RSI GOLFO DE ALMERIA
1993-01-05	22:26:06.8	01°28.4'W	35°32.6'N		±1.0	±1		11	3.1		N.BENI-SAF
1993-01-06	00:16:13.1	02°38.2'W	36°35.9'N	3	±0.5	±4	±3	11	2.7		R GOLFO DE ALMERIA
1993-01-06	04:10:29.2	00°41.5'W	43°11.5'N	3	±0.6	±1	±2	36	3.2	III	I ARETTE.FR
1993-01-06	06:27:52.4	02°30.0'W	36°40.6'N		±0.4	±1		6	2.3		R GOLFO DE ALMERIA
1993-01-06	06:53:27.6	02°38.3'W	36°33.3'N		±0.4	±4		8	2.7		R GOLFO DE ALMERIA
1993-01-06	15:28:46.3	03°17.4'W	36°43.8'N		±0.5	±5		7	2.4		E.CASTELL DE FERRO
1993-01-06	15:43:09.8	03°15.6'W	36°46.0'N	5	±0.1	±1	±2	7	2.7		CASTELL DE FERRO
1993-01-06	15:52:17.0	02°38.4'W	36°34.0'N		±0.4	±4		8	2.8		R GOLFO DE ALMERIA
1993-01-06	19:25:21.1	02°33.1'E	42°41.0'N	3	±0.5	±1	±3	17	2.1		P E.QUILLAN.FR
1993-01-07	00:53:33.8	02°40.9'W	36°35.9'N	5	±0.7	±5	±5	10	3.0		R GOLFO DE ALMERIA
1993-01-07	07:06:41.1	02°36.9'W	36°34.6'N		±0.1	±1		5	2.8		R GOLFO DE ALMERIA
1993-01-07	10:55:14.7	01°57.4'W	37°11.2'N	3	±0.6	±3	±3	12	2.8		R SW.VERA.AL
1993-01-07	15:57:24.3	02°32.4'E	42°47.2'N	3	±0.4	±1	±3	32	2.9		P W QUILLAN.FR
1993-01-07	23:17:56.2	08°06.7'W	42°28.4'N	9	±0.3	±1	±2	18	3.0		CARBALLINO.OR
1993-01-08	00:45:14.0	02°39.2'W	36°36.1'N	4	±0.4	±2	±4	8	3.0		R GOLFO DE ALMERIA
1993-01-08	07:18:08.6	05°03.8'W	36°26.6'N	29	±0.6	±5	±5	12	3.0		E. ESTEPONA
1993-01-08	14:40:47.7	02°39.1'W	36°32.8'N		±0.4	±5		9	3.1		R GOLFO DE ALMERIA
1993-01-08	19:30:17.6	07°15.9'W	42°00.9'N	4	±0.4	±2	±3	11	2.9		SIERRA DO TEXEIRAS.OR
1993-01-09	13:54:37.1	02°33.7'E	42°47.1'N	2	±0.5	±1	±2	35	3.2		E. QUILLAN.FR
1993-01-13	01:10:56.0	04°30.6'W	37°02.7'N	6	±0.4	±3	±3	10	2.4		P ARCHIDONA.MA
1993-01-13	01:16:33.5	04°23.6'W	37°05.9'N	9	±0.4	±2	±5	10	2.4		P ARCHIDONA.MA
1993-01-13	01:54:56.5	04°29.8'W	37°03.6'N	6	±0.4	±1	±1	22	2.8		P ARCHIDONA.MA
1993-01-14	01:48:00.6	08°03.0'W	42°13.5'N	6	±0.1	±1	±1	7	2.9		P AUTOMURO.OR
1993-01-15	04:27:12.5	04°24.5'W	37°05.0'N	8	±0.4	±1	±3	15	2.7		P ARCHIDONA.MA
1993-01-15	04:28:46.4	04°23.8'W	37°04.4'N	3	±0.7	±2	±3	24	3.0		ARCHIDONA.MA
1993-01-15	04:31:17.9	04°21.3'W	37°05.7'N		±1.0	±3		12	2.4		R ARCHIDONA.MA
1993-01-15	12:46:13.1	04°23.9'W	36°54.1'N	23	±0.7	±3	±2	19	3.2		R CASABERMEJA.MA
1993-01-16	03:55:05.3	04°22.4'W	37°06.0'N	2	±0.9	±2	±3	28	2.7		R ARCHIDONA.MA
1993-01-16	15:36:26.0	00°19.9'E	43°02.6'N	9	±0.5	±2	±1	27	2.9		BAGNERES DE BIGORRE.FR
1993-01-16	22:05:21.9	01°55.1'W	37°28.6'N		±0.6	±3		9	2.3		N. HUERCAL OVERA.AL
1993-01-18	04:10:32.6	09°56.6'W	36°27.9'N	55	±0.7	±2	±4	62	3.5		SW. CABO SAN VICENTE
1993-01-18	09:24:07.7	01°35.7'W	37°05.6'N	4	±0.6	±6	±4	11	2.8		SE. GARRUCHA
1993-01-19	14:08:38.7	02°20.0'E	42°37.0'N	4	±0.3	±1	±1	25	2.6		PRADES.FR
1993-01-19	23:48:43.1	02°38.6'W	36°36.3'N	2	±0.4	±3	±2	13	3.1		R GOLFO DE ALMERIA
1993-01-20	23:44:05.0	02°40.9'W	36°38.8'N		±0.5	±6		8	3.0		R GOLFO DE ALMERIA
1993-01-22	00:50:33.9	00°51.9'W	38°22.6'N	9	±0.7	±9	±8	8	2.7		LA ROMANA.A
1993-01-22	07:28:15.1	02°38.2'W	36°34.1'N		±0.3	±3		6	2.7		R GOLFO DE ALMERIA
1993-01-23	03:17:55.4	05°25.2'W	36°42.8'N	6	±0.3	±1	±1	15	2.7		R SIERRA DE GRAZALEMA.CA
1993-01-23	12:37:37.3	04°02.0'E	39°57.9'N		±1.1	±5		19	3.0		FERRERIES.PM
1993-01-24	20:17:29.2	02°40.1'W	36°45.3'N	6	±0.4	±5	±4	8	2.6		R GOLFO DE ALMERIA
1993-01-25	10:36:09.1	07°04.5'W	36°44.5'N	3	±0.7	±3	±3	25	3.2		GOLFO DE CADIZ
1993-01-26	12:57:06.8	02°05.3'W	42°53.9'N	6	±0.7	±2	±2	39	3.5		E. ALSASUA.NA
1993-01-26	13:48:12.3	01°42.7'W	37°51.9'N	4	±0.6	±2	±4	12	2.4		SIERRA DEL MADROÑO.MU
1993-01-27	00:23:50.8	05°29.9'W	36°21.3'N	3	±0.8	±3	±3	17	2.9		JIMENA DE FRONTERA.CA
1993-01-27	11:23:29.0	04°28.7'W	36°30.0'N		±0.8	±5		11	2.7		E. FUENGIROLA
1993-01-28	18:24:32.2	05°28.8'W	36°26.6'N	2	±0.5	±3	±2	17	2.7		II-III I JIMENA DE FRONTERA.CA
1993-01-29	18:43:17.0	02°13.4'W	36°58.3'N	5	±0.3	±2	±1	10	2.5		NIJAR.AL
1993-01-30	02:52:11.9	00°52.0'W	43°21.3'N	2	±0.4	±2	±2	11	2.9		SALIES DE BEARN.FR
1993-01-30	16:41:13.4	02°40.4'W	37°02.1'N	2	±0.5	±2	±2	16	2.8		NE.CANJAYAR.AL
1993-02-01	22:12:09.7	07°34.8'W	36°08.2'N	32	±0.8	±2	±8	62	3.2		S. FARO
1993-02-02	18:13:12.4	02°52.2'W	36°38.1'N		±0.3	±6		6	2.8		SE. ADRA
1993-02-05	12:10:48.0	03°05.7'W	36°34.0'N	7	±0.5	±3	±2	13	3.0		S. ADRA
1993-02-07	08:08:52.2	02°39.9'W	36°37.3'N	3	±0.7	±4	±3	13	2.9		SW. ROQUETAS DE MAR

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	mb	INT	LOCALIZACIÓN
1993-02-07	17:51:38.0	06°25.4'W	37°30.4'N	4	±0.7	±4	±4	10	2.7		PATERNA DEL CAMPO.H
1993-02-08	07:27:38.0	00°39.1'W	43°11.4'N		±0.6	±1		7	2.2		NW. OLORON-S.MARIE.FR
1993-02-08	17:55:09.2	16°10.1'W	37°29.2'N		±0.7	±9		15	3.6		ATLANTICO
1993-02-09	08:46:33.8	02°11.8'E	41°32.3'N	2	±0.3	±1	±1	14	2.6		MOLLET.B
1993-02-09	23:38:43.2	08°08.6'W	42°09.0'N	9	±0.2	±3	±4	8	2.7		S.CORTEGADA.OR
1993-02-10	18:35:50.9	02°39.0'W	36°36.6'N	9	±0.8	±9	±6	10	3.1		S.ROQUETAS DE MAR
1993-02-10	21:35:55.3	06°51.0'W	33°07.2'N	13	±0.7	±2	±2	32	3.1		E. EL GARA.MAC
1993-02-11	22:17:46.3	05°00.4'W	37°05.3'N	8	±0.5	±2	±4	13	2.5		LOS CORRALES.SE
1993-02-11	23:32:16.2	05°01.2'W	37°05.6'N	15	±0.5	±3	±3	12	2.4	R	LOS CORRALES.SE
1993-02-12	15:39:29.5	02°35.6'E	36°42.1'N	20	±0.7	±8	±9	30	3.7	S	NW. CHERCHELL
1993-02-13	04:16:37.4	03°17.7'W	40°29.8'N	9	±0.6	±2	±4	13	2.8		E. ALCALA DE HENARES.M
1993-02-14	01:31:39.7	03°38.9'W	37°02.0'N	3	±0.6	±2	±3	18	2.8		PADUL.GR
1993-02-15	16:15:45.1	01°23.1'W	38°24.3'N	3	±0.7	±3	±3	16	2.5		S. JUMILLA.MU
1993-02-16	03:11:14.1	08°33.7'W	36°37.3'N	40	±0.8	±1	±4	95	4.3	III-IV	SMI SE. CABO SAN VICENTE
1993-02-17	02:23:12.9	03°43.3'W	37°28.5'N	11	±0.5	±2	±4	12	2.7		MONTILLANA.GR
1993-02-17	18:34:12.1	08°57.4'W	37°27.0'N	16	±0.5	±3	±3	42	3.1		SW. CABO SARDAO
1993-02-19	00:58:00.3	00°17.8'W	43°04.1'N	3	±0.8	±2	±3	27	2.8	III-IV	I E. LOURDES.FR
1993-02-19	10:05:11.2	00°38.8'E	42°39.3'N		±0.3	±1		12	2.1		BENASQUE.HU
1993-02-20	11:46:09.7	11°04.2'W	36°53.1'N		±0.4	±8		10	2.9		SW. CABO SAN VICENTE
1993-02-20	23:12:03.6	04°20.6'W	38°03.8'N		±0.1	±1		6	2.2		N. MONTORO.CO
1993-02-21	11:22:48.3	08°36.1'W	36°35.1'N	41	±0.7	±1	±4	81	3.5	R	SE. CABO SAN VICENTE
1993-02-21	11:38:17.3	08°34.6'W	36°36.9'N	41	±0.8	±2	±5	81	3.6	R	SE. CABO SAN VICENTE
1993-02-21	12:35:40.1	08°34.9'W	36°36.6'N	51	±0.7	±2	±4	30	2.8	R	SE. CABO SAN VICENTE
1993-02-21	13:35:47.1	09°31.5'W	39°09.5'N	9	±0.7	±3	±3	36	3.0		SW. CABO CARVOEIRO
1993-02-21	19:36:04.6	00°36.3'W	43°07.5'N	2	±0.5	±2	±2	16	2.3		S. OLORON-S.MARIE.FR
1993-02-22	13:28:27.6	00°08.2'E	42°58.7'N	3	±0.6	±2	±3	16	2.7		SE. BAGNERES BIGORRE.FR
1993-02-24	05:56:40.2	00°18.1'W	43°10.1'N	3	±0.9	±3	±3	24	3.4		W. LOURDES.FR
1993-02-24	07:19:33.8	00°06.3'E	42°59.6'N		±0.4	±2		11	2.6		SW. BAGNERES BIGORRE.FR
1993-02-25	09:13:28.7	00°33.4'E	42°31.8'N		±0.5	±6		6	1.9		BENASQUE.HU
1993-02-27	13:41:16.2	06°09.8'W	41°08.1'N	12	±0.5	±2	±4	11	2.8		VILLASECO DE REYES.SA
1993-03-01	04:24:43.8	08°13.3'W	36°14.6'N		±0.6	±5		10	2.9		SW. FARO
1993-03-01	18:06:34.3	07°30.4'W	36°09.4'N		±0.9	±8		11	2.8		SE. FARO
1993-03-02	01:11:44.8	04°21.3'W	38°00.2'N	3	±0.7	±2	±3	19	3.5		VILLA DEL RIO.CO
1993-03-02	23:48:50.5	00°15.4'W	43°08.2'N	3	±0.7	±3	±3	21	2.8	III	I S. OLORON-S. MARIE.FR
1993-03-03	06:33:36.5	07°59.2'W	38°32.1'N	9	±0.6	±2	±4	17	2.9	II-III	I S. EVORA.PORT
1993-03-03	08:39:36.8	08°34.4'W	36°37.5'N	47	±0.7	±2	±6	52	3.5		SE. CABO S. VICENTE
1993-03-03	11:49:41.1	08°53.9'W	42°28.5'N	3	±0.6	±4	±3	13	2.9		O GROVE.PO
1993-03-04	20:33:30.0	08°26.3'W	36°42.6'N	59	±0.8	±5	±4	29	3.2		SW. FARO
1993-03-05	09:39:34.9	06°07.2'E	40°01.7'N	31	±0.7	±3	±5	44	3.9		E. MENORCA
1993-03-06	11:34:04.5	11°11.1'W	36°06.5'N	45	±0.6	±2	±3	81	4.0		SW. CABO S. VICENTE
1993-03-06	18:43:47.5	00°06.5'E	42°59.4'N	3	±0.8	±1	±3	28	2.8		S. BAGNERES BIGORRE.FR
1993-03-07	00:14:25.8	16°04.6'W	43°43.9'N		±0.7	±8		17	4.5		ATLANTICO
1993-03-07	03:17:18.8	01°52.1'E	35°56.8'N		±1.0	±4		63	5.1		NW. TENIET-EL-HAAD.ARG
1993-03-07	03:31:33.2	01°46.1'E	36°06.0'N		±1.0	±5		36	4.6	R	TENIET-EL-HAAD.ARG
1993-03-07	07:40:01.5	02°28.8'W	36°57.3'N	2	±0.4	±2	±2	12	2.9		S. GADOR.AL
1993-03-08	15:39:48.5	03°35.2'W	37°22.7'N	9	±0.6	±4	±4	10	2.5		S.BENALUA DE VILLAS.GR
1993-03-09	01:50:51.1	04°38.8'W	36°57.9'N	14	±0.8	±3	±5	13	2.3		S. ANTEQUERA.MA
1993-03-09	23:59:58.6	01°22.3'W	37°49.8'N	2	±0.8	±3	±2	23	2.9	II	ALHAMA DE MURCIA.MU
1993-03-11	22:23:25.4	05°59.0'W	36°29.0'N		±0.8	±4		06	2.1		MEDINA SIDONIA.CA
1993-03-12	05:44:13.6	02°18.1'W	37°23.8'N	2	±0.5	±2	±2	20	3.0		NE. OLULA DEL RIO.AL
1993-03-12	17:37:02.3	03°25.0'W	37°10.0'N		±0.4	±4		8	2.6		GUEJAR SIERRA.GR
1993-03-13	11:17:00.1	00°34.7'W	43°21.0'N	3	±0.9	±2	±3	12	2.5		PAU.FR
1993-03-13	11:36:15.7	02°41.2'W	47°39.2'N	24	±1.0	±5	±8	32	3.9		ST.NAZAIRE.FR
1993-03-14	00:23:44.8	00°12.3'W	43°11.4'N		±0.9	±1		7	2.4		W. LOURDES.FR
1993-03-14	17:26:36.2	00°11.0'E	43°03.6'N	5	±0.8	±3	±2	18	2.8		S. BAGNERES BIGORRE.FR
1993-03-14	23:00:39.2	05°30.4'W	37°00.5'N	10	±0.6	±3	±4	12	2.1		E. MONTELLANO.SE
1993-03-14	23:32:52.7	03°24.6'E	42°44.1'N	2	±0.3	±2	±2	17	2.6		E. PERPIGNAN.FR
1993-03-15	11:42:57.9	00°34.4'E	40°42.7'N	2	±0.2	±2	±2	7	2.5		AMPOSTA.T
1993-03-17	09:51:52.0	00°09.1'E	43°03.6'N	7	±0.9	±4	±2	15	2.4		STE-GAUDENS.FR
1993-03-18	00:56:39.4	04°44.7'W	36°15.2'N		±0.5	±3		13	2.8		ALBORAN

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	mb	INT	LOCALIZACIÓN.
1993-03-18	19:49:20.6	03°51.3'W	37°04.6'N	23	±0.1	±2	±5	6	2.5		AGRON.GR
1993-03-19	03:10:23.8	02°51.0'W	36°41.0'N		±0.5	±9		6	2.6		SE.ADRA
1993-03-19	09:53:06.5	01°11.1'W	43°09.0'N	3	±0.6	±3	±3	27	2.5		SE. BAYONNE.FR
1993-03-20	11:51:03.3	07°57.9'W	38°38.9'N	10	±0.6	±4	±5	14	2.8		NW. EVORA.PORT
1993-03-20	14:01:12.3	06°09.7'W	37°31.0'N	3	±0.9	±5	±3	08	2.4		N. EL RONQUILLO.SE
1993-03-20	14:33:58.6	03°23.1'W	37°41.3'N	6	±0.5	±1	±6	14	2.5		N. HUELMA.J
1993-03-20	23:51:53.6	07°30.9'W	41°15.2'N	10	±0.3	±1	±2	25	3.2	III-IV	NW.TORRE MONCORVO.PORT
1993-03-21	08:17:38.1	03°32.8'W	37°05.8'N	2	±0.5	±1	±1	28	2.9	P	SE. ZUBIA.GR
1993-03-21	09:55:26.3	03°32.9'W	37°05.2'N	3	±1.0	±3	±8	13	2.9	P	W. ZUBIA.GR
1993-03-21	10:01:40.6	03°32.1'W	37°04.9'N	2	±0.6	±2	±2	34	3.3	III I	W. ZUBIA.GR
1993-03-23	03:56:48.6	01°04.8'W	37°55.4'N	4	±0.6	±6	±4	7	2.3		SW. MURCIA.MU
1993-03-24	09:08:39.0	03°42.2'W	37°05.8'N	3	±0.5	±2	±3	13	2.7		LAS GABIAS.GR
1993-03-24	18:50:05.6	03°34.8'W	35°18.1'N	22	±0.8	±4	±5	22	2.9		E. ALHUCEMAS.MAC
1993-03-28	05:14:53.8	01°34.6'W	37°25.3'N		±0.5	±1		6	2.4		AGUILAS.MU
1993-03-28	19:14:21.3	01°39.4'E	36°39.4'N		±0.2	±5		9	4.0		W. CHERCHELL.ARG
1993-03-29	00:22:32.9	02°25.4'W	36°58.1'N		±0.6	±3		8	2.3		NE. RIOJA.AL
1993-03-29	08:37:58.0	02°12.7'W	37°27.9'N	25	±0.2	±1	±1	9	2.6		W. SORBAS.AL
1993-03-30	07:00:50.4	01°20.2'W	42°55.6'N	3	±0.6	±2	±3	25	3.1		NE. PAMPLONA.NA
1993-03-31	20:40:11.9	03°24.9'W	36°40.6'N		±0.5	±4		9	2.6		SW. CASTELL DE FERRO
1993-04-02	01:50:37.7	09°09.8'W	43°19.6'N		±0.5	±6		8	2.8		W PUNTA DE NARIGA
1993-04-02	11:50:31.1	01°04.9'W	36°12.7'N		±0.5	±5		12	3.1		NW ORAN
1993-04-02	19:54:23.4	11°21.0'W	36°31.0'N		±0.8	±6		19	2.9		W CABO SAN VICENTE
1993-04-03	04:43:18.3	04°42.0'W	36°52.1'N	5	±0.7	±2	±4	16	2.6	P	ALORA.MA
1993-04-03	04:53:27.6	04°35.6'W	36°52.9'N		±0.4	±3		9	2.3	P	ALORA.MA
1993-04-03	05:49:38.7	04°39.4'W	36°56.2'N	5	±0.7	±2	±2	29	3.3		ALORA.MA
1993-04-03	07:41:13.6	04°42.5'W	36°50.6'N	9	±0.6	±2	±3	15	2.6	R	ALORA.MA
1993-04-03	07:41:56.6	04°41.5'W	36°51.1'N	9	±0.6	±2	±3	15	2.6	R	ALORA.MA
1993-04-04	03:19:12.2	03°21.3'W	36°44.5'N		±0.2	±4		6	2.5		CASTELL DE FERRO.GR
1993-04-05	01:25:36.0	02°08.9'W	37°21.1'N	3	±0.7	±2	±2	33	3.0	IV I	CANTORIA.AL
1993-04-09	06:27:42.5	09°02.1'E	36°51.3'N		±0.6	±1		21	3.8		N BEJA.TUNZ
1993-04-10	02:07:12.6	00°39.6'W	43°05.2'N	3	±0.9	±2	±3	29	3.1		S.OLORON.FR
1993-04-10	07:59:08.7	04°00.4'W	37°03.2'N	3	±0.9	±2	±3	22	2.9		N.ALHAMA DE GRANADA.GR
1993-04-10	18:44:41.0	02°02.4'W	43°05.6'N	2	±0.3	±2	±2	11	2.3		SE TOLOSA.SS
1993-04-10	18:46:56.0	01°57.0'W	43°00.8'N	3	±0.6	±3	±3	20	3.1		VALLE DE LARRAUN.NA
1993-04-10	23:59:55.3	00°46.5'W	41°38.8'N	13	±0.5	±3	±5	9	2.5		EL BURGO DE EBRO.Z
1993-04-13	04:45:19.0	04°27.3'W	37°01.6'N		±0.7	±3		12	2.6		E.ANTEQUERA.MA
1993-04-13	05:34:11.5	02°25.9'W	37°42.1'N	3	±0.5	±2	±3	13	2.8		S.ORCE.GR
1993-04-13	16:20:35.0	01°40.2'E	40°26.7'N	2	±0.9	±2	±3	31	3.1		MAR MEDITERRANEO
1993-04-13	17:10:22.1	00°23.9'E	39°54.3'N	12	±0.2	±3	±2	9	2.6		W ISLAS COLUMBRETES
1993-04-14	17:14:31.0	02°56.0'W	36°26.1'N		±0.1	±4		6	2.6		MAR DE ALBORAN
1993-04-15	10:44:32.4	11°24.6'W	39°39.5'N		±0.7	±3		33	3.6		W LISBOA
1993-04-16	03:34:03.9	02°49.5'W	36°35.1'N	10	±0.1	±2	±6	6	2.7		SE ADRA
1993-04-17	01:48:56.6	02°02.6'W	42°04.6'N		±0.4	±6		7	2.5		IGEA.LO
1993-04-17	20:12:10.7	09°26.0'W	37°16.8'N	5	±0.4	±4	±5	41	3.4		W.CABO SAN VICENTE
1993-04-18	01:46:37.7	07°19.6'W	42°05.2'N	3	±0.5	±3	±3	7	2.4		SERRA FIAL CORZAS.O
1993-04-18	05:43:21.9	03°51.2'W	35°57.7'N	2	±0.8	±2	±2	49	3.7		MAR DE ALBORAN
1993-04-18	05:47:44.1	03°42.5'W	35°55.0'N	9	±0.9	±2	±3	53	3.6	R	MAR DE ALBORAN
1993-04-18	06:10:38.8	03°43.7'W	35°53.3'N	15	±0.8	±2	±3	28	3.1	R	MAR DE ALBORAN
1993-04-22	04:22:24.4	09°10.4'W	38°22.3'N	4	±0.7	±4	±4	14	3.0	IV I	SW.SESIMBRA
1993-04-22	09:39:44.6	01°37.9'W	37°27.1'N		±0.2	±1		6	2.7		N AGUILAS.MU
1993-04-22	12:36:38.1	04°31.8'W	36°35.3'N	27	±0.7	±3	±5	14	2.9		MAR DE ALBORAN
1993-04-22	17:22:58.9	00°18.3'E	38°19.2'N	21	±0.5	±2	±2	36	3.3		E ALICANTE
1993-04-23	01:18:25.6	05°00.4'W	36°39.5'N	20	±0.6	±1	±1	51	3.6		SIERRA DE TOLOX.MA
1993-04-25	03:34:28.4	02°08.5'E	42°50.1'N	4	±0.3	±1	±2	25	3.0	P	QUILLAN.FR
1993-04-25	03:37:11.4	02°08.7'E	42°49.5'N	3	±0.3	±1	±3	12	2.4	P	QUILLAN.FR
1993-04-25	03:45:00.5	02°13.8'E	42°52.4'N	3	±0.9	±2	±3	27	3.3	IV I	QUILLAN.FR
1993-04-25	04:54:09.4	02°10.4'E	42°48.7'N	9	±0.3	±2	±3	8	2.4	R	S QUILLAN.FR
1993-04-26	08:40:27.1	10°58.2'W	36°56.5'N	55	±0.3	±3	±6	14	3.0		W CABO SAN VICENTE
1993-04-28	01:06:53.1	01°09.3'W	38°02.5'N	15	±0.2	±3	±3	9	2.5		MURCIA.MU
1993-04-30	05:21:46.8	01°02.5'W	38°23.3'N	2	±0.2	±1	±2	12	2.6		PINOSO.A

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	mb	INT	LOCALIZACIÓN
1993-05-01	00:22:23.4	06°19.9'W	35°17.4'N	30	±0.4	±2	±1	86	4.2		M W. LARACHE
1993-05-01	06:32:43.0	10°02.1'W	36°36.0'N	20	±0.8	±3	±4	61	3.6		SW. CABO SAN VICENTE
1993-05-03	21:04:48.8	03°58.9'W	37°31.4'N	5	±0.5	±2	±3	13	2.6		CASTILLO DE LOCUBIN.J
1993-05-04	06:44:16.5	09°08.7'W	38°12.4'N	15	±1.0	±4	±3	27	3.1		S. CABO ESPICHEL
1993-05-05	01:19:12.1	09°45.8'W	38°55.4'N	27	±1.0	±9	±6	11	2.8		NW. CABO RASO
1993-05-06	14:35:32.4	02°50.5'W	43°38.4'N	3	±0.5	±3	±3	9	2.6		NW. CABO MACHICHACO
1993-05-07	14:57:09.6	00°44.9'W	43°05.2'N	2	±0.6	±1	±2	24	2.5		S. OLORON-S. MARIE.FR
1993-05-09	03:04:27.5	02°59.5'W	36°48.0'N	4	±0.7	±4	±4	12	3.2		NE. ADRA.AL
1993-05-10	23:51:56.3	07°05.2'W	44°12.6'N	33	±0.7	±3	±7	36	3.5		NE.PUNTA ESTACA BARES
1993-05-12	04:08:30.0	01°08.7'E	36°23.5'N		±0.8	±5		31	3.3		NW. ASNAM.ARG
1993-05-13	06:23:15.1	02°39.9'W	36°39.6'N	4	±0.8	±5	±4	08	2.9		SW. ROQUETAS DE MAR
1993-05-13	23:06:33.5	03°11.3'W	36°40.4'N	4	±0.7	±5	±4	10	2.9		SE. CASTELL DE FERRO
1993-05-19	19:13:57.5	04°42.5'W	36°58.4'N	24	±0.6	±2	±2	31	3.4		VALLE DE ABDALAJIS.MA
1993-05-19	23:34:39.8	01°11.3'W	38°05.5'N	3	±0.8	±3	±3	20	2.7	II-III	I MOLINA DE SEGURA.MU
1993-05-20	23:49:28.6	00°36.5'W	43°05.3'N	2	±0.7	±2	±2	34	3.1		S. OLORON-S.MARIE.FR
1993-05-21	02:37:35.2	05°04.5'W	36°51.8'N	22	±0.3	±2	±2	12	2.5		W. CUEVAS BECERRO.MA
1993-05-23	07:40:56.4	02°25.5'W	35°16.4'N	6	±0.8	±2	±2	78	5.4	IV-V	SMI ISLAS CHAFARINAS
1993-05-23	08:44:41.0	02°37.5'W	35°09.3'N	19	±0.7	±8	±5	12	2.8		R W. ISLAS CHAFARINAS
1993-05-23	09:58:33.0	02°28.6'W	35°11.9'N	9	±0.9	±2	±3	51	3.5		R ISLAS CHAFARINAS
1993-05-23	10:02:36.9	02°15.8'W	35°21.0'N	4	±0.8	±3	±4	23	2.9		R ISLAS CHAFARINAS
1993-05-23	11:17:02.5	02°24.4'W	35°15.2'N	3	±0.8	±2	±3	41	3.1		R ISLAS CHAFARINAS
1993-05-23	15:16:25.5	00°41.4'E	42°38.8'N	4	±0.1	±2	±4	6	1.8		E.BAGNERES BIGORRE.FR
1993-05-23	23:03:52.5	02°23.4'W	35°16.5'N	5	±0.9	±3	±4	43	3.1	III	RSI ISLAS CHAFARINAS
1993-05-23	23:39:17.9	02°22.4'W	35°14.3'N	4	±0.8	±3	±3	32	3.1	III	RSI ISLAS CHAFARINAS
1993-05-24	00:05:56.9	02°35.9'W	35°24.3'N		±0.3	±2		7	2.8		R ISLAS CHAFARINAS
1993-05-24	09:50:33.7	02°38.9'W	35°07.8'N	23	±0.6	±2	±2	29	3.3	III	RSI ISLAS CHAFARINAS
1993-05-24	13:42:07.2	00°39.4'W	43°21.1'N	3	±0.9	±2	±3	26	2.9		NW.OLORON S. MARIE.FR
1993-05-24	14:28:34.7	00°09.1'E	43°01.0'N	7	±0.4	±2	±2	17	2.7		S.BAGNERES BIGORRE.FR
1993-05-24	20:52:47.1	05°37.0'W	37°06.3'N	22	±0.5	±2	±2	13	2.9		NW. EL CORONIL.SE
1993-05-24	23:10:39.4	07°19.7'W	37°09.2'N	22	±0.6	±6	±4	9	2.5		S. ISLA CRISTINA
1993-05-25	07:07:12.8	00°46.0'W	39°25.0'N	2	±0.5	±1	±2	41	3.3	III	I BUÑOL.V
1993-05-27	06:12:10.1	00°09.7'E	43°02.0'N	6	±0.7	±2	±1	42	3.8	III-IV	I S.BAGNERES BIGORRE.FR
1993-05-27	20:14:07.0	00°01.0'E	43°04.8'N	5	±0.4	±1	±1	29	3.3	III	RI W.BAGNERES BIGORRE.FR
1993-05-28	14:23:36.0	02°58.3'W	36°52.3'N		±0.2	±0		8	2.9		BERJA.AL
1993-05-31	09:58:28.8	01°37.6'W	38°25.0'N	1	±0.4	±1	±1	26	2.8		AGRAMON.AB
1993-06-01	23:04:19.3	02°20.1'W	35°11.4'N	4	±0.9	±4	±4	27	3.0	III	I ISLAS CHAFARINAS
1993-06-02	01:54:47.1	02°49.1'W	34°55.9'N	9	±0.8	±8	±5	9	3.0		S. NADOR.MAC
1993-06-03	07:38:37.1	01°24.2'W	43°12.3'N	2	±0.5	±3	±2	12	2.3		N VALLE BAZTAN.NA
1993-06-03	11:34:50.4	02°09.6'E	42°26.1'N	3	±0.5	±1	±3	15	2.5		S. FONT-ROMEVE.FR
1993-06-03	20:50:52.4	03°11.6'W	38°16.6'N	4	±0.8	±3	±4	14	2.8		SANTISTEBAN PUERTO.J
1993-06-05	18:01:34.4	04°56.6'W	36°35.4'N	13	±0.2	±2	±2	8	2.3		P SIERRA DE TOLOX.MA
1993-06-05	18:27:08.1	04°57.6'W	36°40.0'N	14	±0.4	±2	±2	11	2.5		P SIERRA DE TOLOX.MA
1993-06-05	22:19:51.8	04°55.6'W	36°44.7'N	21	±0.6	±3	±2	18	3.2		P SIERRA DE TOLOX.MA
1993-06-05	22:20:06.9	04°58.4'W	36°41.5'N	18	±0.6	±3	±2	28	3.0		P SIERRA DE TOLOX.MA
1993-06-05	23:11:06.5	04°57.3'W	36°37.8'N	18	±0.3	±1	±1	16	2.7		P SIERRA DE TOLOX.MA
1993-06-05	23:13:45.9	04°56.6'W	36°37.3'N	17	±0.3	±2	±3	9	2.1		P SIERRA DE TOLOX.MA
1993-06-05	23:28:43.6	04°59.2'W	36°41.7'N	14	±0.8	±2	±2	38	3.4		P SIERRA DE TOLOX.MA
1993-06-05	23:31:38.6	04°54.3'W	36°41.2'N	16	±0.5	±3	±3	10	2.6		R SIERRA DE TOLOX.MA
1993-06-05	23:36:06.0	04°57.1'W	36°35.6'N	20	±0.3	±2	±2	14	2.8		R SIERRA DE TOLOX.MA
1993-06-06	00:00:35.6	05°01.0'W	36°37.9'N		±0.3	±6		6	2.3		R SIERRA DE TOLOX.MA
1993-06-06	00:53:20.0	04°56.4'W	36°38.3'N	9	±0.4	±2	±2	17	2.5		R SIERRA DE TOLOX.MA
1993-06-06	00:53:28.9	04°58.9'W	36°40.0'N	18	±0.3	±1	±1	22	3.1		R SIERRA DE TOLOX.MA
1993-06-06	00:54:32.7	04°57.0'W	36°41.2'N	23	±0.3	±2	±2	10	2.5		R SIERRA DE TOLOX.MA
1993-06-06	00:54:54.5	04°57.3'W	36°41.7'N	12	±0.5	±1	±2	24	2.8		R SIERRA DE TOLOX.MA
1993-06-06	01:00:14.1	04°58.1'W	36°38.8'N	14	±0.4	±2	±2	17	2.8		R SIERRA DE TOLOX.MA
1993-06-06	01:08:19.0	04°55.8'W	36°40.2'N	9	±0.3	±7	±8	6	2.5		R SIERRA DE TOLOX.MA
1993-06-06	01:13:22.1	04°57.1'W	36°32.5'N	13	±0.5	±2	±2	19	2.8		R SIERRA DE TOLOX.MA
1993-06-06	01:15:03.3	04°57.9'W	36°36.6'N	13	±0.4	±1	±1	19	2.7		R SIERRA DE TOLOX.MA
1993-06-06	01:51:25.0	02°13.8'E	42°59.4'N	12	±0.4	±1	±2	27	3.3		LIMOUX.FR
1993-06-06	02:07:14.3	04°57.5'W	36°37.8'N	20	±0.4	±2	±1	18	2.6		R SIERRA DE TOLOX.MA

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	mb	INT	LOCALIZACIÓN
1993-06-06	03:55:23.3	04°59.5'W	36°42.2'N	10	±0.5	±1	±1	31	3.1		
1993-06-06	08:27:31.7	05°24.1'W	36°58.7'N		±0.4	±9		5	2.3	R	SIERRA DE TOLOX.MA
1993-06-06	08:54:55.6	04°56.0'W	36°38.5'N	20	±0.5	±4	±4	10	2.3		CORRIPE.SE
1993-06-06	10:12:14.9	00°48.2'W	39°25.9'N	3	±0.3	±1	±1	15	2.9	R	SIERRA DE TOLOX.MA
1993-06-06	10:20:37.1	05°19.6'W	36°51.3'N	2	±0.5	±2	±2	12	2.8		BUÑOL.V
1993-06-06	16:15:30.8	09°41.6'W	36°32.6'N		±0.5	±8		11	2.9		EL GASTOR.CA
1993-06-06	19:32:36.4	11°50.0'W	36°29.0'N	7	±0.5	±6	±6	45	3.5		SW. CABO SAN VICENTE
1993-06-06	23:44:54.9	04°56.8'W	36°37.8'N	14	±0.4	±2	±2	11	2.1		SW. CABO SAN VICENTE
1993-06-07	07:19:31.3	00°35.8'W	43°32.0'N	2	±0.9	±2	±2	38	3.4	R	SIERRA DE TOLOX.MA
1993-06-07	07:36:35.4	00°09.2'E	36°46.1'N		±0.2	±7		12	2.8		NW PAU.FR
											MEDITERRANEO
1993-06-08	11:57:35.5	04°56.4'W	36°36.5'N	16	±0.4	±1	±1	23	2.8		
1993-06-09	11:13:44.9	01°04.8'E	41°21.2'N	3	±0.8	±3	±3	16	2.6	R	SIERRA DE TOLOX.MA
1993-06-09	22:45:03.9	02°22.1'W	35°15.6'N	4	±0.8	±2	±3	64	3.8		SW. MONTBLANC.T
1993-06-10	09:32:02.9	04°34.4'W	37°00.6'N	4	±0.4	±1	±2	17	2.9	II-III RI	ISLAS CHAFARINAS
1993-06-10	11:31:56.4	03°47.4'E	36°31.7'N	20	±0.4	±2	±3	32	3.7		ANTEQUERA.MA
1993-06-11	03:33:47.3	00°53.5'W	39°16.0'N	5	±0.3	±1	±1	16	2.7	II-III I	SE. THENIA.ARG
1993-06-15	02:21:42.3	01°51.9'E	41°34.4'N	4	±0.5	±1	±4	18	2.7		E. COFRENTES.V
1993-06-15	06:22:19.5	01°40.7'E	41°20.0'N	4	±0.5	±2	±3	27	3.3		ESPARRAGUERA.B
1993-06-15	07:02:32.2	01°08.9'W	43°04.8'N	3	±0.3	±3	±3	13	2.6		VILLAFRANCA PENEDES.B
1993-06-15	10:46:38.0	02°40.3'W	36°41.6'N	3	±0.4	±3	±3	8	2.9		SE.S.JEAN PIED PORT.FR
											S.ROQUETAS DE MAR
1993-06-16	01:56:46.1	07°29.9'W	41°45.5'N	5	±0.2	±1	±1	12	2.8		CHAVES.PORT
1993-06-16	16:45:27.2	02°19.5'W	37°16.0'N	4	±0.3	±2	±4	8	2.6		S. MACAEL.AL
1993-06-19	23:11:48.6	03°41.3'W	37°08.7'N	5	±0.6	±2	±2	20	2.7		LAS GABIAS.GR
1993-06-22	05:15:31.3	09°08.1'W	40°56.7'N	6	±0.9	±3	±3	33	3.6		SW. OPORTO
1993-06-22	12:06:21.1	00°01.3'E	38°07.0'N	6	±0.5	±2	±2	25	3.3		SE ALICANTE
1993-06-22	12:14:49.5	00°07.0'E	38°08.5'N	10	±0.4	±4	±4	12	2.9	R	SE ALICANTE
1993-06-22	20:58:13.6	00°01.2'E	38°08.6'N	20	±0.7	±7	±4	10	2.8	R	SE ALICANTE
1993-06-22	21:52:01.6	08°16.1'W	36°23.9'N	28	±0.8	±2	±3	96	4.6	IV-V	S. FARO
1993-06-23	20:51:46.1	08°45.0'W	35°14.4'N	21	±0.5	±8	±9	9	2.6	S+I	ATLANTICO
1993-06-25	12:29:49.2	01°12.4'E	41°58.6'N	6	±0.5	±4	±4	12	2.3		N PONTS.L
1993-06-27	07:24:03.3	03°36.3'W	37°08.0'N		±0.9	±5		10	2.5		ARMILLA.GR
1993-06-27	13:46:17.2	05°00.1'W	33°10.2'N	18	±0.7	±2	±2	36	3.5		ATLAS.MAC
1993-06-28	03:25:41.9	04°53.8'W	43°01.5'N	15	±0.8	±2	±5	31	3.2		NE RIAÑO.LE
1993-06-28	09:39:14.0	07°02.2'W	44°10.9'N		±0.7	±3		30	3.5		MAR CANTABRICO
1993-06-30	22:33:35.8	02°38.3'E	41°58.0'N	3	±0.4	±2	±3	11	2.1		ANGLES.GE
1993-07-01	21:31:58.8	03°24.6'W	37°10.7'N	13	±0.2	±0	±8	6	2.4		GUEJAR-SIERRA.GR
1993-07-03	11:56:47.2	03°01.5'W	42°12.2'N		±0.2	±2		5	2.5		SE.FIGUERAS.GI
1993-07-03	13:59:03.3	02°32.7'W	35°09.3'N	15	±0.4	±2	±2	12	2.9		W.ISLAS CHAFARINAS
1993-07-04	08:40:18.2	02°03.3'W	41°44.9'N	2	±0.1	±1	±1	11	3.1		N.NOVIERGAS.SO
1993-07-05	22:00:12.7	05°22.5'W	37°08.0'N		±0.6	±3		10	2.3		E.MORON DE FRONTERA.SE
1993-07-06	12:26:58.6	09°38.3'W	40°19.7'N	21	±0.6	±4	±5	18	2.9		W.FIGUEIRA DA FOZ
1993-07-08	02:26:11.3	01°30.6'W	43°04.3'N	11	±0.5	±2	±2	23	3.5	III-IV I	S. ELIZONDO.NA
1993-07-08	04:37:41.0	03°35.4'W	37°47.7'N	6	±0.4	±2	±3	11	2.5	P	MANCHA REAL.J
1993-07-08	15:19:59.3	02°18.8'E	42°38.6'N	9	±0.3	±1	±1	21	2.6		PRADES.FR
1993-07-09	18:12:06.6	00°34.8'E	35°42.1'N		±0.4	±8		11	3.4		ZEMMORA.ARG
1993-07-10	02:10:21.5	05°39.9'W	36°27.1'N	12	±0.5	±3	±2	13	2.9	R	ALCALA LOS GAZULES.CA
1993-07-10	14:53:03.7	02°00.4'E	42°44.8'N	3	±0.3	±1	±1	37	3.1		W. PRADES.FR
1993-07-10	18:29:38.5	01°30.9'W	37°46.5'N	2	±0.5	±2	±2	13	2.8		TOTANA.MU
1993-07-10	19:25:34.5	00°46.6'W	39°20.9'N	2	±0.2	±3	±2	7	2.8		S. BUÑOL.V
1993-07-11	02:21:25.8	09°16.9'E	36°34.0'N		±0.6	±4		29	3.9		S. BEJA.TUNS
1993-07-11	08:57:49.2	04°34.3'W	37°02.2'N	2	±0.8	±1	±1	66	3.7	III	ANTEQUERA.MA
1993-07-11	20:11:15.9	04°29.8'W	37°02.2'N	5	±0.6	±1	±3	22	2.6	R	ANTEQUERA.MA
1993-07-12	02:53:18.5	02°26.6'W	35°12.2'N	6	±0.8	±2	±2	48	3.5	R	ISLAS CHAFARINAS
1993-07-12	03:26:39.0	07°24.6'W	36°41.8'N	14	±0.5	±4	±3	14	2.7		SE. FARO
1993-07-12	08:48:48.1	03°42.9'W	37°07.6'N	5	±0.4	±3	±5	8	2.5		LAS GABIAS.GR
1993-07-14	22:01:52.8	03°36.4'W	37°47.3'N	5	±0.4	±1	±3	13	2.6	P	MANCHA REAL.J
1993-07-16	00:02:10.1	03°35.0'W	37°47.3'N	5	±0.5	±1	±2	18	2.7	P	MANCHA REAL.J
1993-07-16	01:47:50.5	00°03.9'E	35°41.2'N		±0.7	±3		12	3.5		MOHAMMADIA.ARG
1993-07-16	09:51:45.6	03°35.4'W	37°47.0'N	2	±0.7	±1	±2	27	3.0		MANCHA REAL.J
1993-07-16	17:55:29.7	03°35.7'W	37°47.2'N	6	±0.3	±2	±6	8	2.5	R	MANCHA REAL.J

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	mb	INT	LOCALIZACIÓN
1993-07-16	20:40:31.3	03°35.5'W	37°46.5'N		±0.2	±1		8	2.3	R	MANCHA REAL.J
1993-07-16	21:15:43.1	07°36.3'W	37°41.3'N	5	±0.6	±4	±5	9	2.9		MERTOLA.PORT
1993-07-17	00:38:42.4	03°35.5'W	37°47.1'N	5	±0.4	±1	±3	14	2.5	R	MANCHA REAL.J
1993-07-17	13:46:28.5	03°35.2'W	37°47.2'N	9	±0.5	±1	±2	16	2.8	R	MANCHA REAL.J
1993-07-18	15:32:28.7	02°26.8'W	35°20.9'N	3	±0.8	±2	±3	36	3.1		N. ISLAS CHAFARINAS
1993-07-18	22:29:43.5	03°32.5'W	37°47.9'N		±0.2	±1		9	2.6	R	MANCHA REAL.J
1993-07-18	22:52:36.4	03°34.5'W	37°46.6'N	16	±0.5	±2	±3	15	2.5	R	MANCHA REAL.J
1993-07-19	08:21:26.4	04°28.4'W	37°29.7'N	8	±0.4	±2	±2	10	2.7		CABRA.CO
1993-07-19	11:45:10.4	03°37.4'W	37°48.5'N	9	±0.3	±2	±2	9	2.5	R	MANCHA REAL.J
1993-07-21	02:17:19.9	09°20.6'W	39°13.4'N	2	±0.7	±3	±2	16	3.2		S. PENICHE
1993-07-21	01:50:04.1	00°59.2'W	43°04.0'N		±0.4	±4		9	2.4		SW. ARETTE.FR
1993-07-21	02:23:13.6	03°35.4'W	37°47.4'N	3	±0.4	±1	±3	14	2.6	R	MANCHA REAL.J
1993-07-21	04:25:13.0	01°02.9'E	42°40.9'N	5	±0.4	±1	±1	48	3.1		ESTERN D'ANEU.L
1993-07-21	13:04:53.5	03°35.2'W	36°58.1'N	5	±0.6	±2	±3	17	2.9		DURCAL.GR
1993-07-21	19:56:11.8	03°37.0'W	37°48.6'N	9	±0.5	±2	±3	11	2.5	R	MANCHA REAL.J
1993-07-21	20:02:27.3	03°35.1'W	37°47.7'N	4	±0.5	±1	±2	20	2.9	R	MANCHA REAL.J
1993-07-21	21:35:49.5	03°36.0'W	37°48.0'N	6	±0.4	±2	±3	8	2.5	R	MANCHA REAL.J
1993-07-22	02:27:14.8	03°38.2'W	37°50.2'N	9	±0.4	±2	±3	8	2.4	R	MANCHA REAL.J
1993-07-22	22:52:54.3	03°35.5'W	37°47.6'N	9	±0.3	±1	±2	14	2.7	R	MANCHA REAL.J
1993-07-23	03:59:29.5	01°18.1'W	38°18.5'N	3	±0.9	±2	±3	24	3.0		SIERRA DE LA PILA.MU
1993-07-23	09:05:40.2	16°10.3'W	28°05.4'N	12	±0.2	±0	±6	05	2.3		ISLAS CANARIAS
1993-07-23	13:15:02.1	03°40.7'W	37°28.9'N	13	±0.5	±2	±3	14	2.7		MONTILLANA.GR
1993-07-23	13:32:35.5	03°33.9'W	37°47.7'N	9	±0.4	±1	±2	14	2.6	R	MANCHA REAL.J
1993-07-23	13:47:17.8	03°28.7'W	38°05.9'N	4	±0.5	±2	±4	10	2.8		N. CANENA.J
1993-07-23	14:01:43.0	03°00.1'W	36°25.9'N	2	±0.5	±2	±2	18	3.2		MAR DE ALBORAN
1993-07-24	00:13:26.6	00°17.2'E	42°57.3'N	2	±0.7	±1	±2	42	3.2		BAGNERES DE BIGORRE.FR
1993-07-24	02:36:12.3	03°36.1'W	37°46.7'N	4	±0.2	±1	±2	10	2.6	R	MANCHA REAL.J
1993-07-24	13:44:05.1	03°38.4'W	37°48.3'N	5	±0.5	±2	±3	10	2.5	R	MANCHA REAL.J
1993-07-25	01:54:27.5	03°35.7'W	37°48.1'N	5	±0.3	±1	±2	14	2.6	R	MANCHA REAL.J
1993-07-25	10:48:31.7	02°52.7'W	38°47.6'N	9	±0.3	±3	±5	8	2.6		N.VILLAHERMOSA.CR
1993-07-25	13:29:49.9	07°54.8'W	36°10.9'N		±0.6	±2		31	3.0		S.FARO
1993-07-25	14:35:09.9	04°00.5'W	37°05.6'N		±0.7	±2		16	2.7		S.HUETOR-TAJAR.GR
1993-07-25	16:11:12.4	05°51.2'W	37°03.3'N		±0.3	±2		8	2.3		PALMAR DE TROYA.SE
1993-07-25	17:58:40.0	01°42.1'W	38°22.2'N	2	±0.3	±1	±1	19	2.6		SIERRA LOS DONCELES.AB
1993-07-27	03:15:01.5	03°37.4'W	37°46.9'N	5	±0.2	±1	±2	11	2.4	R	MANCHA REAL.J
1993-07-27	03:15:40.9	03°35.9'W	37°47.1'N	7	±0.1	±1	±1	7	2.5	R	MANCHA REAL.J
1993-07-27	12:06:23.2	09°06.8'W	36°21.7'N		±0.5	±3		20	3.0		S. CABO SAN VICENTE
1993-07-27	16:25:20.6	04°35.9'W	35°32.9'N	54	±0.7	±3	±9	24	2.9		E. ESTRECHO GIBRALTAR
1993-07-28	07:57:12.8	04°16.2'W	34°54.7'N	4	±0.2	±2	±4	9	2.6		TARQUIST.MAC
1993-07-28	20:24:18.8	02°39.9'E	42°57.0'N	2	±0.4	±1	±1	43	2.8		TUCHAN.FR
1993-07-29	15:06:54.1	02°27.0'W	37°01.2'N	2	±0.8	±2	±2	33	3.2	IV	I SW. TABERNAS.AL
1993-07-29	23:45:31.7	03°04.7'W	40°26.2'N	9	±0.5	±2	±5	13	2.9		NW. PASTRANA.GU
1993-07-30	05:24:24.6	03°31.6'W	37°41.4'N	2	±0.2	±1	±2	10	2.1		CAMBIL.J
1993-07-31	07:20:13.2	03°21.7'W	36°53.2'N	663	±0.5	±5	±3	34	3.9		ORJIVA.GR
1993-08-01	04:35:57.3	01°35.9'E	40°39.4'N	11	±0.7	±2	±3	22	3.1		E. TARRAGONA
1993-08-01	06:48:59.2	03°35.3'W	37°47.5'N	2	±0.5	±1	±2	23	2.9	R	MANCHA REAL.J
1993-08-01	13:23:50.5	03°36.3'W	37°47.2'N	5	±0.1	±1	±1	7	2.4	R	MANCHA REAL.J
1993-08-01	18:34:51.2	03°35.4'W	37°47.6'N	5	±0.4	±1	±2	14	2.6	R	MANCHA REAL.J
1993-08-02	06:49:01.4	03°36.2'W	37°46.2'N	7	±0.5	±2	±3	13	2.7	R	MANCHA REAL.J
1993-08-02	19:50:19.8	04°29.1'W	36°30.6'N	25	±0.4	±8	±4	10	2.6		SE. FUENGIROLA
1993-08-02	20:14:27.5	03°36.6'W	37°48.1'N	5	±0.4	±1	±3	12	2.5	R	MANCHA REAL.J
1993-08-03	01:34:41.8	12°02.4'W	36°14.7'N	33	±0.8	±3	±9	36	3.1		ATLANTICO
1993-08-03	19:34:31.1	08°50.4'W	43°17.1'N	13	±0.6	±6	±3	10	3.0		MALPICA.C
1993-08-06	00:50:35.6	00°16.8'E	42°57.3'N	3	±0.6	±1	±3	19	2.5		S.BAGNERES BIGORRE.FR
1993-08-09	23:00:10.3	02°38.1'E	42°38.9'N	3	±0.8	±2	±3	27	2.4		NE. PRADES.FR
1993-08-10	03:00:0.2	02°35.3'W	37°40.7'N		±0.6	±3		10	2.6		S. GALERA.GR
1993-08-11	06:11:15.7	07°50.3'W	41°08.9'N	8	±0.7	±2	±3	58	3.5	IV	I PESO DA REGUA.PORT
1993-08-11	11:48:27.2	02°31.9'W	36°58.3'N	2	±0.6	±2	±2	16	3.1		GADOR.AL
1993-08-11	13:28:11.9	02°59.7'W	36°48.8'N	6	±0.6	±5	±4	8	2.5		N. ADRA.AL
1993-08-14	20:18:41.9	03°03.3'E	41°48.8'N	2	±0.8	±3	±2	33	2.8		S. PALAMOS.GI

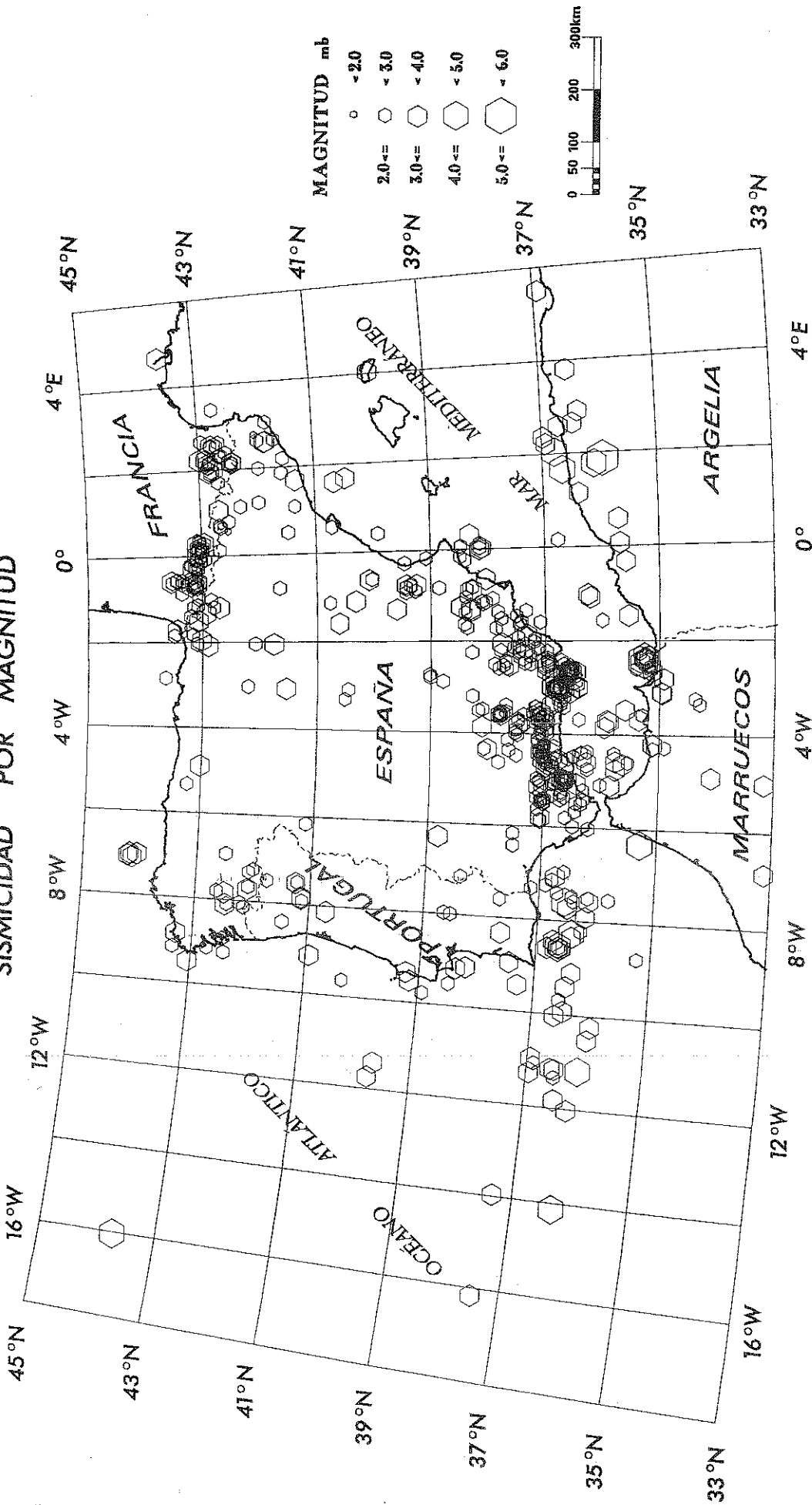
FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	mb	INT	LOCALIZACIÓN
1993-08-14	22:57:23.7	03°03.1'W	36°36.5'N	3	±0.5	±5	±3	8	2.9		S. ADRA
1993-08-15	06:35:43.0	00°19.7'W	35°35.2'N		±0.7	±9		22	3.2		SIDI-BEL-ABBES.ARG
1993-08-15	16:45:13.2	02°43.8'W	39°01.5'N	5	±0.4	±2	±5	10	2.8	P	OSSA DE MONTIEL.AB
1993-08-15	16:46:09.3	02°47.5'W	39°00.4'N	2	±0.4	±1	±2	14	2.9		OSSA DE MONTIEL.AB
1993-08-15	22:32:24.4	01°06.3'W	40°18.1'N	3	±0.5	±1	±1	52	3.4	IV	TERUEL.T
1993-08-16	01:40:20.7	00°55.5'W	39°25.7'N	3	±0.6	±4	±3	13	2.7	P	N.BUÑOL.V
1993-08-16	08:32:11.9	00°48.2'W	39°25.6'N	3	±0.9	±3	±3	15	2.8		BUÑOL.V
1993-08-18	17:03:32.9	00°43.3'W	43°09.9'N	8	±0.1	±2	±1	10	2.2		W.OLORON S.MARIE.FR
1993-08-20	21:10:27.5	04°12.3'W	35°07.4'N	9	±0.6	±2	±3	33	3.0		N.TARGUIST.MAC
1993-08-21	19:43:17.2	04°17.8'W	35°07.0'N	9	±0.8	±3	±5	25	2.9		W.ALHUCEMAS.MAC
1993-08-22	11:35:22.0	00°29.6'E	41°28.8'N	2	±0.4	±1	±2	20	2.7		E.AITONA.L
1993-08-22	20:06:12.8	02°46.3'E	42°01.0'N	7	±0.5	±4	±3	10	1.7		S.BANYOLES.GI
1993-08-23	02:42:50.8	00°10.9'W	39°04.6'N	17	±0.4	±5	±3	8	2.2		TAVERNES.V
1993-08-23	17:35:09.7	02°39.0'E	36°27.1'N		±0.6	±7		21	3.6		EL AFROUN.ARG
1993-08-24	08:38:36.2	00°09.9'W	38°29.3'N	11	±0.3	±3	±2	10	2.8		BENIDORM.A
1993-08-24	08:45:21.6	00°04.2'E	38°28.5'N	8	±0.4	±5	±3	9	2.8	R	BENIDORM.A
1993-08-24	17:21:44.9	09°13.3'W	42°26.1'N	1	±0.5	±2	±1	6	2.9		W. PONTEVEDRA
1993-08-25	20:43:46.9	02°14.5'W	38°17.1'N	2	±0.3	±1	±2	11	2.6		SIERRA DEL TOBAR.AB
1993-08-29	05:57:22.2	02°40.0'W	36°27.8'N	2	±0.7	±2	±2	39	3.4		S.GOLFO DE ALMERIA
1993-08-29	23:57:05.0	05°07.9'W	37°06.0'N	8	±0.5	±1	±2	27	3.0		EL SAUCEJO.SE
1993-08-30	16:33:53.5	00°46.6'E	42°30.4'N	4	±0.8	±5	±4	11	2.4		N.PONT DE SUERT.L
1993-08-31	03:11:56.1	01°12.6'W	42°42.0'N	2	±0.5	±1	±1	38	3.0		VALLE DE URRAU.LNA
1993-08-31	17:39:58.1	00°33.8'W	43°26.1'N	3	±0.8	±5	±3	13	2.8		N.PAU.FR
1993-08-31	17:50:09.4	04°08.0'W	37°39.2'N	20	±0.3	±2	±2	8	2.2		N.ALCAUDETE.J
1993-09-01	20:38:05.7	00°06.4'E	43°03.6'N		±0.8	±3		14	2.4		BAGNERES-DE-BIGORRE.FR
1993-09-02	06:26:52.3	02°35.6'E	41°50.8'N	2	±0.7	±3	±2	30	3.0		STA.COLOMA FARNERS.GI
1993-09-02	13:28:36.7	02°09.6'W	37°08.0'N	9	±0.4	±4	±6	8	2.9		SORBAS.AL
1993-09-03	08:34:38.2	07°55.3'W	41°08.2'N	13	±0.6	±6	±7	10	2.9		NW.LAMEGO.PORT
1993-09-03	18:23:22.6	02°43.3'W	36°37.6'N		±0.4	±9		6	2.7		GOLFO DE ALMERIA
1993-09-04	06:12:20.5	03°37.1'W	37°12.9'N	2	±0.4	±1	±2	16	2.8		GRANADA.GR
1993-09-08	07:32:09.9	05°15.0'W	36°42.0'N	9	±0.3	±6	±3	8	2.5		W. BENAJOJAN.MA
1993-09-08	07:55:00.3	05°18.0'W	36°42.8'N	10	±0.3	±5	±3	8	2.0	R	W.BENAJOJAN.MA
1993-09-08	23:21:19.2	02°21.9'W	36°57.5'N	3	±0.5	±2	±3	11	2.7		NE. PECHINA.AL
1993-09-09	15:51:19.3	02°05.3'E	42°27.0'N	3	±0.3	±1	±3	21	2.4		S. FONT-ROMEU.FR
1993-09-10	02:56:54.1	04°29.0'W	37°01.5'N		±0.5	±5		8	2.5		E. ANTEQUERA.MA
1993-09-10	05:59:24.1	02°33.9'E	42°47.1'N	4	±0.6	±3	±4	15	2.6		SAINT-PAU.FR
1993-09-10	09:26:22.6	05°48.5'W	37°03.2'N	6	±0.7	±2	±2	46	3.7		NE.CABEZAS SAN JUAN.SE
1993-09-11	02:01:09.6	05°48.0'W	36°37.3'N	9	±0.5	±3	±3	14	2.2		S.JOSE DEL VALLE.CA
1993-09-11	06:46:46.3	11°43.7'W	39°44.3'N		±0.7	±0		20	3.3		ATLANTICO
1993-09-11	16:14:55.6	07°19.1'E	36°45.0'N		±0.4	±6		21	3.9		E. SKIKEA.ARG
1993-09-12	05:36:08.5	02°08.1'W	37°33.0'N	5	±0.8	±3	±4	14	2.9		SRRA. LAS ESTANCIAS.AL
1993-09-12	13:15:13.9	03°41.7'W	37°00.5'N	3	±0.6	±2	±3	18	3.1		SW. PADUL.GR
1993-09-13	03:20:40.4	04°45.0'W	35°45.6'N	50	±0.8	±1	±5	65	3.4		E.ESTRECHO GIBALTAR
1993-09-14	20:53:57.0	04°24.6'W	35°47.5'N		±0.6	±3		14	2.9		E.ESTRECHO GIBALTAR
1993-09-15	15:54:25.6	02°03.9'E	42°50.7'N	6	±0.3	±1	±2	28	2.7		E. LAVELANET.FR
1993-09-15	21:00:42.0	01°01.2'W	36°15.2'N		±0.6	±4		11	3.0		N. ORAN
1993-09-16	07:23:09.3	00°37.7'W	40°04.2'N	4	±0.5	±2	±4	13	3.2		PINA DE MONTAGROA.CS
1993-09-16	14:24:17.6	00°37.3'W	40°01.1'N		±0.4	±8		9	2.7	R	PINA DE MONTAGROA.CS
1993-09-17	05:45:48.3	01°12.1'W	42°47.9'N	2	±0.5	±2	±2	18	2.9	III	VALLE DEL URRAU.LNA
1993-09-19	10:57:36.1	08°19.8'W	37°38.1'N	8	±0.3	±2	±2	11	3.2	I	SIERRA MONCHIQUE.PORT
1993-09-20	04:23:00.0	02°36.4'E	41°49.3'N	2	±0.5	±2	±2	20	3.0		STA. COLOMA FARNERS.GI
1993-09-21	12:57:12.4	00°14.4'W	38°24.5'N	3	±0.5	±4	±3	11	2.8		GOLFO DE ALICANTE
1993-09-21	20:07:37.5	04°15.6'W	36°51.0'N	22	±0.5	±2	±2	17	2.9		COMARES.MA
1993-09-21	23:12:03.9	02°29.8'W	37°53.3'N	2	±0.4	±2	±2	11	2.7		N HUESCAR.GR
1993-09-22	14:02:57.8	07°50.1'W	42°30.0'N	3	±0.5	±2	±3	14	3.1		S. CARRALLO.LU
1993-09-22	20:14:30.1	07°09.5'W	38°23.4'N	9	±0.6	±4	±9	8	2.8		VILLANUEVA FRESNO.BA
1993-09-23	02:13:49.4	02°12.2'W	37°47.0'N	12	±0.3	±5	±3	6	2.8		N. MARIA.MU
1993-09-23	20:08:32.2	04°24.2'W	37°05.4'N	8	±0.5	±1	±4	14	2.6		ARCHIDONA.MA
1993-09-23	22:44:51.9	01°08.1'W	40°45.8'N	9	±0.4	±2	±3	12	2.9		W.ALPEÑES.TE
1993-09-24	02:42:11.7	01°17.7'W	39°35.5'N	8	±0.5	±3	±3	15	3.2		CAUDETE LAS FUENTES.V

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	mb	INT	LOCALIZACIÓN
1993-09-25	09:24:19.2	03°49.8'W	37°04.5'N	3	±0.6	±2	±3	11	2.7		S. CHIMENEAS.GR
1993-09-25	23:50:50.4	05°30.1'E	36°55.3'N		±0.3	±9		10	3.3		NE. BEJAIA.ARG
1993-09-26	11:57:58.5	02°35.4'W	37°48.9'N	7	±0.5	±6	±3	6	2.0		HUESCAR.GR
1993-09-26	14:21:29.3	01°08.2'W	38°06.9'N	4	±0.5	±2	±4	6	2.7		N. MOLINA DE SEGURA.MU
1993-09-29	05:45:32.0	03°47.9'W	31°35.4'N	4	±0.6	±5	±4	18	3.7		BOU DENIB.MAC
1993-09-29	06:11:36.9	13°58.0'W	37°20.9'N		±0.4	±8		13	3.4		ATLANTICO
1993-09-29	23:22:30.1	01°34.3'W	36°00.2'N		±0.7	±6		9	2.9		MAR DE ALBORAN
1993-09-30	17:31:28.8	03°48.8'W	37°28.2'N	17	±0.5	±1	±2	22	3.3		FRAILES.J
1993-10-03	20:13:48.6	03°07.0'W	34°57.2'N	9	±0.9	±3	±3	18	3.5	III	PI SW. NADOR.MAC
1993-10-03	21:20:08.9	03°06.0'W	34°58.2'N	25	±0.8	±3	±4	15	3.5	III	I S. NADOR.MAC
1993-10-04	00:05:59.3	04°34.1'W	36°59.4'N	16	±0.7	±3	±4	14	2.7		ANTEQUERA.MA
1993-10-04	05:46:11.0	00°18.0'W	43°06.7'N	4	±0.6	±3	±4	17	2.7		W. LOURDES.FR
1993-10-05	09:58:26.4	05°25.8'W	37°02.9'N	3	±0.8	±2	±3	19	2.9		S. MORON FRONTERA.SE
1993-10-05	23:33:38.6	05°28.2'W	36°59.5'N	3	±0.4	±2	±3	12	2.6		R S. MORON FRONTERA.SE
1993-10-06	01:02:42.2	05°28.3'W	36°59.7'N	2	±0.4	±2	±2	13	2.8		R S. MORON FRONTERA.SE
1993-10-06	01:41:18.3	05°25.9'W	37°02.1'N	3	±0.5	±2	±3	13	2.6		R S. MORON FRONTERA.SE
1993-10-06	02:57:41.0	05°25.3'W	37°00.4'N	2	±0.3	±1	±2	12	2.7		R S. MORON FRONTERA.SE
1993-10-06	06:37:22.8	02°49.9'W	36°30.9'N	2	±0.5	±1	±2	9	3.5		MAR DE ALBORAN
1993-10-06	13:49:13.1	01°15.4'W	38°28.9'N	6	±0.5	±2	±2	26	3.2	II-III	I E. JUMILLA.MU
1993-10-07	19:55:38.4	08°07.9'W	40°42.4'N	5	±0.9	±3	±3	19	3.4		W. VISEU.PORT
1993-10-08	20:19:10.8	11°10.1'W	36°35.3'N		±0.9	±4		35	3.5		SW. CABO SAN VICENTE
1993-10-08	22:09:35.5	02°08.1'E	42°25.5'N	1	±0.4	±1	±1	55	3.6	III-IV	I S. FONT ROMEU.FR
1993-10-09	11:04:10.5	02°07.8'E	42°25.3'N	9	±0.4	±3	±4	10	2.3		R N. RIBES DE FRESER.GI
1993-10-09	19:47:42.5	00°36.7'W	43°31.1'N	2	±0.5	±1	±2	18	2.9		E. ORTHEZ.FR
1993-10-10	11:32:14.4	02°08.6'E	42°26.2'N	2	±0.6	±1	±2	23	2.7		R S. FONT ROMEU.FR
1993-10-11	20:33:42.4	06°01.4'W	36°12.5'N		±0.6	±0		7	2.5		S. VEJER FRONTERA.CA
1993-10-11	22:19:00.6	02°38.5'E	41°40.9'N	2	±0.6	±2	±2	28	2.9		W. TORDEIRA.B
1993-10-12	12:51:41.8	05°21.5'W	36°39.1'N	22	±0.5	±5	±2	10	2.3		N. CORTES FRONTERA.MA
1993-10-13	01:26:20.9	02°08.8'E	42°25.5'N	2	±0.4	±1	±2	34	3.1		R S. FONT ROMEU.FR
1993-10-13	14:35:03.1	05°24.7'W	37°03.2'N	3	±0.5	±2	±3	15	2.9		R S. MORON FRONTERA.SE
1993-10-13	14:45:45.5	05°27.5'W	37°03.6'N	3	±0.7	±2	±3	14	2.6		R S. MORON FRONTERA.SE
1993-10-13	15:49:01.0	02°09.0'E	42°26.3'N	1	±0.5	±1	±1	49	3.3		R S. FONT ROMEU.FR
1993-10-13	16:34:38.1	05°19.0'W	37°04.1'N	9	±0.3	±5	±5	7	2.4		R E. MORON FRONTERA.SE
1993-10-14	03:50:49.5	02°28.4'W	37°21.7'N	3	±0.5	±2	±3	15	2.9		SW. TIJOLA.AL
1993-10-15	04:23:52.4	02°21.4'E	36°58.8'N		±0.7	±5		25	3.7		P W. ARGEL
1993-10-15	08:37:56.9	02°02.0'E	36°47.0'N		±0.6	±3		31	4.4		W. ARGEL
1993-10-15	12:56:08.9	02°13.1'E	36°56.2'N	10	±0.8	±7	±7	20	3.9		R W. ARGEL
1993-10-17	04:43:42.2	02°29.6'W	37°15.5'N	2	±0.3	±1	±2	10	2.6		S. BACARES.AL
1993-10-17	05:24:09.5	00°12.3'W	43°04.2'N	2	±0.6	±2	±2	29	2.8		ARGELES-GAZOST.FR
1993-10-17	21:16:57.0	06°27.0'E	36°50.3'N		±0.6	±9		17	3.9		N. CONSTANTINE.ARG
1993-10-18	00:06:15.8	01°07.5'E	42°18.0'N	3	±0.6	±1	±3	31	2.6		BAIX PALLARS.L
1993-10-18	01:59:49.4	00°49.9'W	38°51.4'N	3	±0.4	±2	±4	11	2.8		SW. MOIXENT-MOGENTE.V
1993-10-18	08:38:31.2	00°41.3'E	42°40.5'N	6	±0.3	±1	±1	23	2.3		MONTES MALDITOS.HU
1993-10-18	13:58:58.2	02°05.7'E	42°53.3'N	2	±0.4	±2	±2	25	2.8		E. LAVALANET.FR
1993-10-18	23:48:38.4	10°31.2'W	35°59.9'N		±0.5	±0		9	3.5		SW. CABO SAN VICENTE
1993-10-19	18:13:56.8	01°20.3'W	38°18.1'N	7	±0.7	±2	±2	44	3.5		N. CIEZA.MU
1993-10-20	22:59:09.9	04°21.7'W	37°37.8'N	14	±0.7	±3	±4	12	2.8		BAENA.CO
1993-10-21	03:31:58.4	03°47.4'W	37°01.6'N	3	±0.2	±1	±1	6	2.0		E. AGRON.GR
1993-10-21	10:25:20.3	03°48.1'W	37°23.1'N	33	±0.5	±2	±4	14	2.9		N. MOCLIN.GR
1993-10-21	13:30:23.1	03°38.6'W	36°50.1'N	3	±0.4	±4	±3	8	2.2		W. GUAJAR-FARAGUIT.GR
1993-10-22	07:19:47.8	01°01.7'W	42°50.8'N	10	±0.2	±2	±5	15	2.4		SIERRA DE ATUZCARAZ.NA
1993-10-22	18:55:44.4	02°32.4'W	36°56.5'N	4	±0.5	±4	±4	10	2.6		ALHAMA DE ALMERIA.AL
1993-10-22	22:45:54.0	02°03.2'W	37°46.0'N	3	±0.6	±2	±3	16	3.1		N. VELEZ-BLANCO.AL
1993-10-24	18:19:54.8	00°07.2'E	42°40.8'N	3	±0.4	±2	±3	17	2.5		SIERRA DE ESPIERBA.HU
1993-10-25	00:16:06.0	01°35.7'W	40°35.8'N	4	±0.8	±2	±3	39	3.2	III	I ORIHUELA TREMENDAL.TE
1993-10-26	01:32:30.1	02°23.6'E	42°32.1'N	5	±0.3	±2	±2	12	2.2		S. VERNET-LES-BAINS.FR
1993-10-26	12:54:25.5	11°11.1'W	36°31.1'N	44	±0.7	±4	±7	28	3.2		SW. CABO SAN VICENTE
1993-10-26	15:55:29.7	04°33.4'W	36°46.1'N	26	±0.8	±3	±3	19	3.4		W. MALAGA.MA
1993-10-30	02:47:42.7	05°12.3'W	36°19.3'N	45	±0.5	±5	±4	10	2.6		S. ESTEPONA
1993-10-30	12:52:08.2	03°43.9'W	37°12.3'N	3	±0.8	±2	±3	16	2.7		SANTA FE.GR

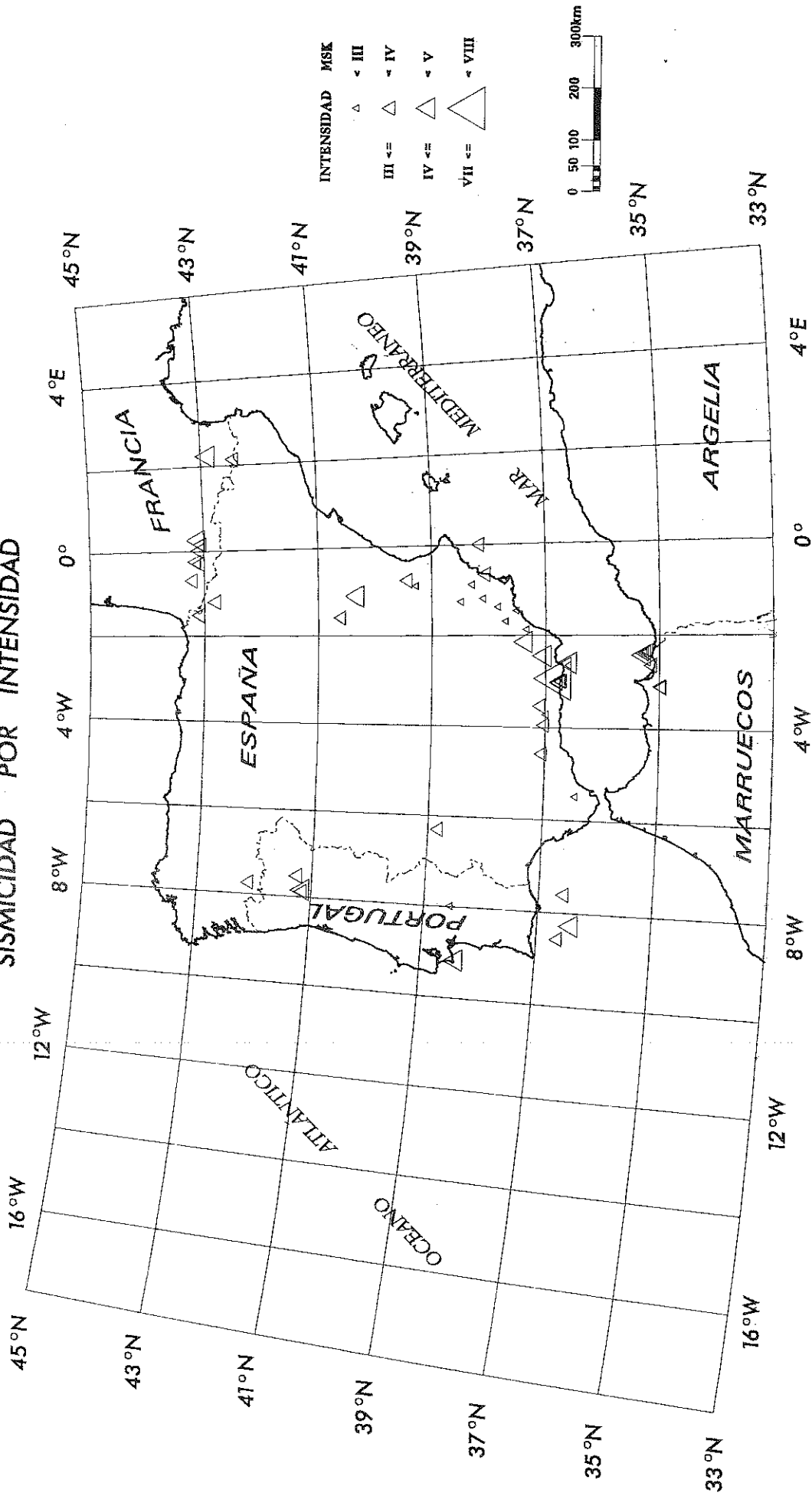
FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	mb	INT	LOCALIZACIÓN
1993-10-30	14:26:52.3	07°02.1'W	44°03.2'N	9	±0.2	±2	±2	10	3.0		NE. PUNTA ESTACA BARES
1993-11-02	14:12:57.8	02°49.9'W	36°44.0'N		±0.4	±1		06	2.9		S. EL EJIDO. AL
1993-11-03	21:31:22.9	01°41.5'W	37°41.8'N	2	±0.7	±2	±2	42	3.4	II-III I	E. LORCA. MU
1993-11-04	20:15:10.0	01°20.7'W	37°20.5'N	13	±0.4	±3	±2	15	2.9		S. GOLFO DE MAZARRON
1993-11-05	04:39:03.5	01°52.0'W	37°19.8'N	2	±0.6	±2	±2	20	3.0	II-III I	CUEVAS DE ALMANZORA. AL
1993-11-05	08:39:23.5	02°08.6'E	42°25.4'N	1	±0.4	±1	±1	39	3.2		SW. PRADES. FR
1993-11-06	05:33:48.8	04°31.7'W	36°49.6'N	57	±0.8	±4	±6	17	2.9		ALMOGIA. MA
1993-11-07	13:01:56.6	03°14.2'W	34°22.8'N	12	±0.8	±2	±3	41	2.9		SW. TAOURIRT. MAC
1993-11-09	00:22:32.9	04°28.7'W	36°21.1'N	59	±0.9	±1	±2	91	3.8	M	S. FUENGIROLA
1993-11-09	10:24:56.0	03°20.8'W	34°18.0'N	9	±1.0	±2	±3	41	2.9		SW. TAOURIRT. MAC
1993-11-09	16:52:31.2	00°05.6'W	43°06.0'N	13	±0.2	±2	±3	9	2.0		N. ARGELES-GAZOST. FR
1993-11-09	22:01:17.4	07°35.9'W	36°33.2'N	38	±0.7	±1	±3	97	4.1	III-IV SI	SE. FARO
1993-11-11	02:06:00.1	00°52.9'W	38°17.3'N	9	±0.8	±3	±3	30	3.2	II-III I	ELCHE. A
1993-11-11	07:33:23.9	00°00.1'W	38°08.8'N	4	±0.7	±2	±2	64	3.8	III SM+I	E. ALICANTE
1993-11-12	09:21:48.3	07°40.5'W	42°05.0'N	4	±0.5	±5	±4	08	2.3	P	XINZO DE LIMIA. OR
1993-11-12	09:28:05.1	07°43.8'W	42°05.6'N	5	±0.5	±2	±3	18	3.3	III-IV I	XINZIO DE LIMIA. OR
1993-11-12	15:57:18.5	06°56.0'W	42°30.0'N	4	±0.8	±3	±4	13	2.4		O. BARCO. OR
1993-11-13	02:29:10.7	05°03.7'W	36°48.8'N	12	±0.7	±7	±5	8	2.5		N. RONDA. MA
1993-11-13	06:09:46.7	02°53.4'W	36°44.2'N	2	±0.5	±4	±2	6	2.2		EL EJIDO. AL
1993-11-13	18:21:07	03°41.2'W	36°24.7'N	3	±0.5	±4	±3	12	2.5		MAR DE ALBORAN
1993-11-13	19:01:28.9	05°05.2'W	36°01.3'N		±0.8	±8		9	2.8		ESTRECHO DE GIBRALTAR
1993-11-14	15:11:02.1	01°27.5'W	37°30.4'N	9	±0.7	±5	±3	14	2.8	II-III SI	GOLFO DE MAZARRON
1993-11-14	17:03:47.3	00°49.6'W	38°16.7'N	2	±0.4	±2	±2	17	2.5	R	ELCHE. A
1993-11-15	05:03:48.7	00°45.8'W	39°15.1'N	9	±0.8	±2	±3	20	3.0		MILLARES. V
1993-11-15	12:12:08.7	00°16.8'W	39°27.1'N	9	±0.5	±2	±3	12	2.8		GOLFO DE VALENCIA
1993-11-16	17:01:12.6	07°48.1'W	42°37.8'N	5	±0.3	±4	±3	8	2.5		CHANTADA. LU
1993-11-16	20:05:46.2	08°35.5'W	36°48.4'N	63	±0.8	±3	±5	28	3.0		S. CABO S. VICENTE
1993-11-16	20:13:26.0	05°20.2'W	43°14.2'N	5	±0.3	±3	±4	13	2.9		SOBRESCOBIO. O
1993-11-17	17:50:57.0	00°15.5'E	43°05.1'N	9	±0.8	±1	±1	71	3.8	IV I	E. BAGNERES BIGORRE. FR
1993-11-17	20:22:21.3	04°57.7'W	37°07.8'N	9	±0.7	±3	±5	12	2.3		MARTIN DE LA JARA. SE
1993-11-18	10:39:41.4	07°34.9'W	36°24.2'N	24	±0.8	±4	±6	18	2.9		SE. FARO
1993-11-19	06:40:13.1	01°51.2'W	43°29.3'N	5	±0.8	±6	±5	9	2.5	P	BAYONNE. FR
1993-11-19	07:32:38.7	01°43.3'W	43°26.5'N	13	±0.9	±2	±2	52	3.3		BAYONNE. FR
1993-11-19	16:31:58.6	04°10.6'W	37°07.4'N	7	±0.6	±2	±3	14	2.6		LOJA. GR
1993-11-20	19:29:51.3	07°32.0'W	35°47.5'N		±0.8	±4		24	2.9		W. ESTRECHO GIBRALTAR
1993-11-22	00:16:01.7	03°33.8'W	37°07.1'N	3	±0.5	±3	±3	10	2.3		ZUBIA. GR
1993-11-22	12:27:12.4	04°23.9'W	36°21.8'N	5	±0.6	±7	±5	10	2.6		MAR DE ALBORAN
1993-11-22	23:55:13.2	05°25.6'W	37°01.0'N	4	±0.6	±2	±4	13	2.8		SE. MORON FRONTERA. SE
1993-11-23	01:20:07.9	02°31.5'W	37°44.0'N	5	±0.5	±3	±5	9	2.1		GALERA. GR
1993-11-24	18:05:16.7	02°31.6'W	37°38.4'N	9	±0.4	±2	±2	16	3.0		CULLAR-BAZA. GR
1993-11-24	20:37:31.7	07°52.1'W	41°09.0'N	9	±0.6	±2	±3	41	3.6	III-IV I	S. VILA REAL. PORT
1993-11-24	23:28:43.2	01°56.4'E	42°49.1'N	2	±0.8	±1	±2	54	3.4		E. TARASCON. FR
1993-11-24	23:38:22.6	01°53.7'E	42°48.2'N	4	±0.3	±1	±3	26	2.2	R	E. TARASCON. FR
1993-11-25	00:19:52.8	01°54.3'E	42°48.6'N	4	±0.5	±1	±4	31	2.6	R	E. TARASCON. FR
1993-11-25	06:47:06.1	07°28.8'W	36°26.3'N		±0.3	±6		7	2.7		SE. FARO
1993-11-25	14:59:02.4	09°08.3'W	42°43.8'N	9	±0.7	±1	±5	7	2.6		RIA DE MUROS
1993-11-25	16:34:03.4	00°42.7'W	43°06.6'N	17	±0.4	±2	±1	20	2.7		SW. OLORON-S. MARIE. FR
1993-11-26	07:04:51.3	05°07.3'W	37°04.0'N	5	±0.6	±2	±2	14	2.5		EL SAUCEJO. SE
1993-11-26	09:58:04.3	00°05.1'W	42°56.4'N	3	±0.5	±2	±3	16	2.4		ARGELES-GAZOST. FR
1993-11-28	04:43:37.9	04°38.0'W	37°48.5'N		±0.8	±4		8	2.5		E. CORDOBA. CO
1993-11-28	05:56:53.7	08°05.8'W	42°26.5'N		±0.3	±5		8	2.8		CARBALLINO. OR
1993-11-29	09:19:05.9	09°31.3'W	38°29.0'N	24	±0.2	±1	±1	22	2.9		W. SETUBAL. PORT
1993-11-30	00:37:33.9	10°14.5'W	35°57.9'N	41	±0.7	±3	±8	35	3.0		SW. CABO S. VICENTE
1993-11-30	03:12:29.0	07°15.0'W	36°53.7'N	22	±0.3	±2	±2	23	2.8		GOLFO DE CADIZ
1993-11-30	13:17:26.3	05°38.6'W	32°24.1'N	2	±0.7	±2	±2	37	3.1		ATLAS. MAC
1993-11-30	23:23:00.6	03°28.3'W	35°36.0'N	15	±0.6	±3	±4	19	3.0		MAR DE ALBORAN
1993-12-02	06:59:18.7	01°49.8'W	43°09.7'N	4	±0.8	±6	±4	12	2.9		GOIZUETA. NA
1993-12-02	08:35:17.3	08°21.0'W	36°24.2'N	23	±0.5	±4	±5	12	3.3		S. CABO SAN VICENTE
1993-12-02	09:09:58.7	05°24.5'W	36°19.0'N	4	±0.5	±6	±4	8	2.6		CASTELLAR FRONTERA. CA
1993-12-02	16:10:25.3	03°42.7'W	36°59.3'N	3	±0.7	±2	±3	23	2.8	II-III I	S. PADUL. GR

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	mb	INT	LOCALIZACIÓN
1993-12-03	08:51:20.5	04°20.0'W	37°03.4'N	12	±0.3	±3	±5	8	2.7	P	NW ALFARNATE.MA
1993-12-03	09:21:15.7	04°17.9'W	37°02.8'N	8	±0.1	±1	±3	6	2.5	P	N ALFARNATE.MA
1993-12-05	14:15:41.4	01°15.0'W	38°29.1'N	3	±0.8	±2	±2	36	3.2		E JUMILLA.MU
1993-12-06	08:40:17.3	00°07.5'W	43°00.9'N		±0.6	±3		14	2.2		ARGELES-GAZOST.FR
1993-12-07	02:53:21.0	04°16.7'W	37°01.8'N	5	±0.4	±2	±4	13	2.4	P	N ALFARNATE.MA
1993-12-07	03:11:17.6	03°04.2'W	41°32.3'N	5	±0.7	±3	±4	17	3.0		BURGO DE OSMASO
1993-12-09	19:28:14.8	04°53.6'W	34°05.4'N	3	±0.8	±2	±3	59	3.5		N FES.MAC
1993-12-10	03:50:49.0	04°22.4'W	36°15.4'N		±0.5	±6		8	2.6		MAR DE ALBORAN
1993-12-10	05:11:49.1	00°39.3'W	43°04.8'N	5	±0.6	±2	±2	19	2.4		S.OLORON-S.MARIE.FR
1993-12-10	11:38:05.7	04°15.0'W	37°00.5'N	4	±0.3	±2	±4	11	2.6	P	ALFARNATE.MA
1993-12-10	12:04:33.6	04°14.3'W	37°00.1'N	2	±0.5	±1	±2	23	2.8	P	ALFARNATE.MA
1993-12-11	00:18:31.0	05°05.3'W	35°51.3'N	61	±0.8	±2	±4	39	3.0		E CEUTA
1993-12-11	00:33:34.8	04°15.1'W	37°01.5'N	2	±0.5	±1	±2	27	2.8		N ALFARNATE.MA
1993-12-11	01:40:57.4	04°13.6'W	37°00.9'N	9	±0.4	±1	±1	23	2.8	R	ALFARNATE.MA
1993-12-11	01:59:16.1	04°17.5'W	37°01.8'N	7	±0.4	±1	±3	14	2.7	R	NW ALFARNATE.MA
1993-12-11	02:51:09.3	00°39.5'W	38°02.5'N	7	±0.4	±2	±1	36	3.4	III-IV MI	TORREVIEJA.A
1993-12-11	04:26:49.9	04°16.5'W	37°01.3'N	5	±0.4	±1	±5	14	2.6	R	N ALFARNATE.MA
1993-12-11	04:39:22.1	04°21.3'W	37°01.2'N	5	±0.2	±3	±5	6	2.4	R	NW ALFARNATE.MA
1993-12-12	08:47:04.6	04°06.9'W	37°07.7'N	5	±0.8	±3	±4	12	2.4		S LOJA.GR
1993-12-12	18:30:38.4	08°25.0'W	41°27.5'N	3	±0.4	±3	±3	19	2.8		NE OPORTO.PORT
1993-12-12	18:43:28.2	05°05.3'W	36°40.3'N	9	±0.7	±2	±2	19	2.9		NE PARAUTA.MA
1993-12-13	23:36:21.5	09°29.0'W	43°03.0'N		±0.5	±4		8	3.2		W CABO DE FINISTERRE
1993-12-14	06:30:55.4	03°48.1'W	37°01.2'N		±0.2	±1		8	2.5		AGRON.GR
1993-12-15	03:32:59.8	11°17.0'W	36°57.4'N		±0.6	±3		20	3.2		ATLANTICO
1993-12-15	10:24:14.6	04°38.3'W	35°38.2'N	28	±0.7	±2	±6	29	3.4		MAR DE ALBORAN
1993-12-15	11:30:06.8	09°24.8'W	36°26.9'N	53	±0.5	±3	±7	18	3.0		S CABO SAN VICENTE
1993-12-16	10:57:15.5	00°34.4'W	43°27.0'N	7	±0.6	±4	±2	15	2.9		S ORTHEZ.FR
1993-12-17	07:44:15.4	06°18.1'W	38°48.8'N	2	±0.6	±1	±2	30	3.5	III I	ALANGE.BA
1993-12-18	16:15:58.9	02°54.4'E	36°21.6'N	17	±0.6	±6	±7	34	3.8		ELIDA.ARG
1993-12-19	13:12:04.7	01°59.6'E	41°58.0'N	2	±0.3	±1	±1	38	2.9		PRATS DE LLUGANES.B
1993-12-20	04:31:02.5	07°30.2'W	41°13.9'N	16	±0.5	±2	±2	25	2.9		SIERRA REBOREDO.PORT
1993-12-20	12:14:14.9	03°51.7'W	38°06.4'N	7	±0.7	±1	±2	28	3.1		W BAILEN.J
1993-12-21	14:06:21.0	02°58.8'W	36°26.1'N	2	±0.6	±1	±2	30	3.4		MAR DE ALBORAN
1993-12-21	16:58:05.0	03°40.6'W	35°21.8'N	23	±0.6	±2	±2	22	3.2		NE ALHUCEMAS
1993-12-22	12:53:44.9	04°36.1'W	36°16.3'N	61	±0.6	±2	±6	19	3.0		S.COSTA DE FUENGIROLA
1993-12-22	20:11:38.3	03°56.7'W	37°00.7'N	3	±0.8	±1	±1	70	3.6	III-IV I	ARENAS DEL REY.GR
1993-12-23	14:22:35.4	02°56.2'W	36°46.8'N	8	±0.9	±1	±2	85	5.0	VII-VIII M+I	ADRA.AL
1993-12-23	14:34:48.1	03°02.2'W	36°46.8'N	3	±0.7	±2	±3	19	3.4	III-IV RI	ADRA.AL
1993-12-23	14:53:10.5	03°00.4'W	36°44.1'N	10	±0.5	±4	±7	8	2.7	R	S ADRA
1993-12-23	15:28:19.1	03°54.7'W	36°58.4'N	3	±0.5	±2	±3	12	2.9	R	ARENAS DEL REY.GR
1993-12-23	18:00:07.8	02°59.1'W	36°44.3'N	2	±0.8	±1	±2	75	3.8	III-IV RSI	ADRA
1993-12-24	00:13:16.5	03°54.0'W	37°30.8'N	17	±0.5	±3	±5	10	2.3		S CASTILLO LOCUBIN.J
1993-12-24	01:00:08.9	02°59.5'W	36°48.0'N	3	±0.3	±3	±3	8	2.8	R	N ADRA.AL
1993-12-24	12:42:06.7	03°00.0'W	36°42.5'N	3	±0.8	±3	±3	19	3.6	III-IV RSI	S ADRA
1993-12-25	20:28:20.5	02°59.1'W	36°45.8'N	9	±0.4	±6	±6	8	3.0	R	ADRA.AL
1993-12-26	08:58:22.0	06°58.0'W	36°35.7'N	14	±0.4	±6	±4	9	2.8		GOLFO DE CADIZ
1993-12-26	18:02:02.5	07°08.6'W	36°47.5'N	18	±0.5	±5	±4	12	2.7		GOLFO DE CADIZ
1993-12-27	16:30:37.2	07°44.0'W	36°30.2'N	52	±0.6	±3	±5	20	3.1		GOLFO DE CADIZ
1993-12-27	17:26:04.1	02°06.3'W	37°27.5'N	3	±0.5	±3	±3	8	2.7		N ALBOX.AL
1993-12-27	20:01:58.5	03°00.7'W	36°47.0'N	9	±0.6	±4	±4	14	3.0	III RI	N ADRA.AL
1993-12-27	20:02:43.2	03°02.1'W	36°46.0'N	9	±0.8	±6	±6	12	2.8	R	ADRA.AL
1993-12-28	05:05:49.8	01°42.3'E	42°40.5'N	11	±0.4	±1	±3	22	2.4		SE STE.GIRONS.FR
1993-12-29	00:06:12.9	03°01.5'W	36°45.1'N		±0.1	±2		6	2.4	R	ADRA.AL
1993-12-29	04:11:01.9	04°01.4'W	37°29.0'N	14	±0.5	±3	±5	12	2.6		S CASTILLO LOCUBIN.J
1993-12-29	04:42:05.7	02°59.6'W	36°53.6'N	18	±0.3	±2	±1	12	3.1	R	N ADRA.AL
1993-12-29	23:51:21.9	03°03.1'W	36°52.1'N	4	±0.4	±3	±4	8	2.4	R	N ADRA.AL
1993-12-30	12:35:15.8	03°30.1'W	38°10.3'N	5	±0.5	±1	±2	18	2.7		S VILCHES.J
1993-12-31	16:30:17.5	02°00.9'W	37°12.3'N		±0.2	±3		12	2.5		LOS GALLARDOS.AL
1993-12-31	22:14:45.3	07°07.0'W	44°07.7'N	9	±0.5	±3	±3	23	3.4		NE ESTACA DE BARES

SISMICIDAD POR MAGNITUD



SISMICIDAD POR INTENSIDAD



I.G.N. BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

LEYENDA

EST	Código de la estación.
I/E	Fase impulsiva (I) o emergente (E).
W	Peso de la lectura en el cálculo "4" Peso nulo. "9" Calculado con S-P.
HORA P	Hora de llegada de la primera fase. Horas minutos y segundos.
HORA S	Hora de llegada de la fase "S" correspondiente.
AMP	Amplitud del movimiento del suelo en micras.
PER	Período en segundos.
DUR	Duración del registro del sismo en segundos.

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

EST I/E W HORA P I/E W HORA S AMP PER DUR

01 ene 02h 09m 29.4s 35°46'N 04°35'W 63Km
rms ±0.7s mb 3.2 MAR DE ALBORAN

MAL	I 0	02 09 59.0					
EJIF E	0	02 09 47.5	E 0	02 09 59.5	0.02	0.2	55
EGUA E	0	02 09 51.7	E 0	02 10 07.5	0.04	0.2	50
EPRU E	0	02 09 52.0	E 0	02 10 08.5	0.01	0.3	65
ECOG E	0	02 09 58.0	E 0	02 10 16.0			60
ELUQ E	0	02 09 58.5	E 0	02 10 19.2	0.03	0.2	55
EHOR E	0	02 10 01.0	E 0	02 10 25.5			50
IFR I	0	02 10 04.0	E 0	02 10 29.5			
EBAN E	0	02 10 07.2	E 0	02 10 33.5	0.01	0.2	55
EVIA E	0	02 10 19.0	E 0	02 10 55.0	0.01	0.1	60
EPLA E	0	02 10 33.0	E 0	02 11 21.0			70
GUD E	0	02 10 39.8	E 0	02 11 31.5			65

01 ene 21h 00m 12.8s 43°37'N 04°42'E 23Km
rms ±1.0s mb 3.5 ARLES.FR

LRG	0	21 00 33.0	E 0	21 00 48.9			
LMR	0	21 00 34.2					
FRF	0	21 00 35.7					
ETER I C	0	21 00 43.8	E 0	21 01 05.0	0.04	0.2	
BRU	4	21 00 44.6					
SBF	0	21 00 45.5					
LPG	4	21 00 52.1					
LPL	4	21 00 52.2					
LPO	0	21 00 53.4					
RJF	0	21 00 55.0					
EPF	4	21 00 57.6					
PON	0	21 00 58.2					
LFF	0	21 00 58.2					
MAF	0	21 00 58.7					
SMF	0	21 00 59.9					
TCF	0	21 01 01.3					
BGF	0	21 01 01.4					
OLT			4	21 01 25.7			
PGF	0	21 01 01.4	0	21 01 38.2			
AVF	0	21 01 02.9					
LSF	0	21 01 04.3	0	21 01 43.0			
VIH	4	21 01 06.2	4	21 01 42.7			
MRE			4	21 01 44.4			
SSF	0	21 01 06.5					
LOR	0	21 01 08.4					
AVN	4	21 01 11.4					
MFF	0	21 01 18.6					
LFF	0	21 01 38.1	0	21 02 42.8			

02 ene 01h 39m 14.3s 36°44'N 02°25'W 5Km
rms ±0.3s mb 2.9 SW.ROQUETAS DE MAR

ENIJ I	0	01 39 20.0	E 0	01 39 23.5	0.10	0.2	45
EGUA I	0	01 39 31.0	E 0	01 39 44.0	0.03	0.2	35
ECOG E	0	01 39 34.0	E 0	01 39 48.5	0.01	0.2	40
EVIA E	9	01 39 50.0	E 0	01 40 15.0			55

02 ene 02h 00m 12.1s 43°12'N 00°31'W 4Km
rms ±0.8s mb 2.9 OLORON-S. MARIE.FR

EPF	0	02 00 23.4	0	02 00 32.8			
ELIZ E	0	02 00 25.0	E 0	02 00 35.0	0.03	0.2	
AVN	0	02 00 41.7	0	02 01 01.0			
LSF	0	02 01 04.6	0	02 01 44.8			
MFF			0	02 01 47.1			

02 ene 23h 26m 36.1s 37°13'N 03°32'W
rms ±0.2s mb 2.3 ALFACAR.GR

ECOG I D	0	23 26 39.0	E 0	23 26 41.8	0.06	0.2	50
EGUA I D	0	23 26 44.0	E 0	23 26 49.0	0.02	0.2	30
ELUQ E	0	23 26 48.5	E 0	23 26 57.0			40

EST I/E W HORA P I/E W HORA S AMP PER DUR

04 ene 09h 19m 26.2s 36°34'N 02°36'W 4Km
rms ±0.8s mb 3.7 IV GOLFO DE ALMERIA

ENIJ I C	0	09 19 35.1					170
EGUA I C	0	09 19 40.1	E 0	09 19 52.5			130
ECOG I D	0	09 19 44.4	E 0	09 19 59.3			160
EHUE I C	0	09 19 48.5	E 0	09 20 04.6	0.10	0.2	120
EMEL I C	0	09 19 49.3	E 0	09 20 06.7	0.07	0.3	90
MAL I D	0	09 19 50.5	I 4	09 20 05.0	0.79	0.4	126
EAHL I C	0	09 19 52.6	E 0	09 20 14.3			160
ELUQ I	0	09 19 55.5	E 0	09 20 15.7			100
EBAN I C	0	09 19 57.8	E 0	09 20 21.1	0.10	0.2	130
EVIA I D	0	09 20 00.8	E 0	09 20 26.3			130
EPRU I C	0	09 20 02.1	E 0	09 20 26.9	0.07	0.3	140
EJIF I	0	09 20 03.3	E 0	09 20 33.0	0.07	0.3	170
EHOR I	0	09 20 04.8	E 0	09 20 35.6	0.14	0.3	150
ALJ I D	4	09 20 08.0					
PLAT I	4	09 20 10.0					
BIT E	4	09 20 11.5	E 0	09 20 42.0			
VIV E	0	09 20 12.0					
CPS E	0	09 20 12.5	E 0	09 20 44.0			
TSY E	4	09 20 16.5	E 4	09 20 50.5			
RSA E	0	09 20 17.0	E 4	09 20 55.0			
ECHE I	0	09 20 17.7	E 0	09 20 55.8	0.05	0.3	190
EVAL I	0	09 20 19.1	E 0	09 20 59.6	0.05	0.4	240
GIBL I	4	09 20 22.0					
IFR I	0	09 20 24.0	E 0	09 21 04.0			240
ETOR I D	0	09 20 30.2	E 0	09 21 19.3	0.08	0.2	180
GUD I	0	09 20 30.9	E 0	09 21 19.7	0.05	0.3	160
FIG E	0	09 20 31.5					
EPLA I C	0	09 20 32.3	E 0	09 21 24.4	0.05	0.3	140
EROQ I	0	09 20 38.7					130
MOE E	0	09 20 40.0	I 0	09 21 34.5			
ESEL I	0	09 20 45.2	E 0	09 21 44.2			
AVE E	4	09 20 48.0	E 4	09 21 37.5			
MTE E	0	09 20 48.0	E 0	09 21 46.0			
MVO E	0	09 20 50.5	E 0	09 21 53.0			
AVN	0	09 20 53.1					
COI	0	09 20 53.5	0	09 21 55.6			
ECRI I D	0	09 20 55.2			0.06	0.4	150
PON	0	09 20 58.2					
SOR C	0	09 21 02.5					
LIS			I 4	09 22 27.4			

04 ene 17h 14m 56.1s 36°36'N 02°39'W 3Km
rms ±0.9s mb 3.2 II-III GOLFO DE ALMERIA

ENIJ I C	0	17 15 05.6	E 0	17 15 11.8			130
EGUA I D	0	17 15 10.4	E 0	17 15 20.0			125
ECOG I C	0	17 15 14.8	E 0	17 15 27.1	0.05	0.2	110
EHUE E	0	17 15 19.5	E 0	17 15 35.9	0.02	0.2	80
EAHL I D	0	17 15 23.3	E 0	17 15 43.8	0.01	0.3	75
ELUQ			E 0	17 00 46.6	0.02	0.2	70
EBAN I D	0	17 15 28.9	E 0	17 15 49.5	0.04	0.4	65
EVIA E	0	17 15 31.5	E 0	17 15 56.1	0.18	0.3	140
EHOR			E 0	17 01 05.0	0.03	0.3	95
VIV E	4	17 15 56.5	E 4	17 15 35.4			82
MOE E	4	17 16 13.7	E 0	17 17 04.0			
MTE			E 4	17 17 15.0			
MVO			E 4	17 17 22.0			

05 ene 22h 26m 06.8s 35°33'N 01°28'W
rms ±1.0s mb 3.1 N.BENI-SAF

ENIJ E	0	22 26 32.8	E 0	22 26 53.7	0.03	0.3	60
EGUA E	0	22 26 40.8	E 0	22 27 09.3			65
EAHL E	0	22 26 43.0	E 0	22 27 14.0			65
ECOG E	0	22 26 47.0					70
EHUE E	0	22 26 47.5					55
EVIA E	0	22 26 57.0	E 0	22 27 36.0			75
IFR I	4	22 27 21.0	E 0	22 27 45.5			55

EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
06 ene 00h 16m 13.1s 36°36'N 02°38'W 3Km rms ±0.5s mb 2.7 GOLFO DE ALMERIA											
ENIJ	E	0	00	16	22.0	E	00	16	29.0	0.06	0.2 50
EGUA	E	0	00	16	27.0					0.05	0.3 40
ECOG	E	0	00	16	31.0	E	00	16	45.6		0.3 40
EHUE	E	0	00	16	36.0	E	00	16	51.6		30
EBAN	E	0	00	16	44.7	E	00	17	06.5		30
EVIA	E	0	00	16	47.8	E	00	17	13.0		45
06 ene 04h 10m 29.2s 43°12'N 00°42'W 3Km rms ±0.6s mb 3.2 III ARETTE.FR											
ELIZ	I	C	0	04	10	41.0	E	04	10	49.5	0.08 0.2 55
EPF			0	04	10	43.1	E	04	10	54.1	
ENSF	I	C	0	04	10	43.6	E	04	10	55.4	
VIH			0	04	10	50.5	E	04	11	05.5	
PON			0	04	10	52.4					
SALF	I	C	0	04	10	55.0	E	04	11	15.0	
ECRI	E	0	04	10	55.4	E	04	11	13.5	0.07	0.3 70
SOR			0	04	10	56.9					
AVN			0	04	10	58.4	E	04	11	20.8	
GRBF	E	4	04	11	00.4	E	4	04	11	22.9	
LPO			0	04	11	02.2					
LFF			0	04	11	03.6					
TRGS	E	4	04	11	06.8	E	4	04	11	36.7	
BRU			0	04	11	08.3					
EROQ	E	0	04	11	09.0	E	04	11	39.5	0.02	0.3 70
MTHF	E	4	04	11	10.8						
ETOR	E	0	04	11	10.9	E	04	11	41.2	0.01	0.3 80
CAF			0	04	11	11.1	E	4	04	11	40.2
RJF			0	04	11	11.4					
MRB				04	11	43.4					
OLT			0	04	11	12.0					
ETER	E	0	04	11	14.0	E	04	11	45.5		55
EBR	E	4	04	11	16.0	E	4	04	11	45.0	
LSF	E	0	04	11	22.2	E	4	04	11	59.7	
MFF	E	0	04	11	22.2	E	0	04	12	01.0	
GUD	E	0	04	11	25.0	E	04	12	06.0		90
ECHE	E	0	04	11	25.2	E	04	12	05.3		75
TCF	E	0	04	11	26.3						
06 ene 06h 27m 52.4s 36°41'N 02°30'W rms ±0.4s mb 2.3 GOLFO DE ALMERIA											
ENIJ	E	0	06	27	59.5	E	06	28	04.0	0.01	0.2 15
EGUA	E	0	06	28	08.5	E	06	28	19.5		18
ECOG	E	0	06	28	12.0	E	06	28	25.7		20
06 ene 06h 53m 27.6s 36°33'N 02°38'W rms ±0.4s mb 2.7 GOLFO DE ALMERIA											
ENIJ	I	C	0	06	53	37.0	E	06	53	44.5	0.04 0.2 50
EGUA	E	0	06	53	42.2	E	06	53	52.8	0.06	0.2 45
ECOG	E	0	06	53	46.5	E	06	54	00.5		40
EHUE	E	0	06	53	52.0	E	06	54	08.0		30
06 ene 15h 28m 46.3s 36°44'N 03°17'W rms ±0.5s mb 2.4 E. CASTELL DE FERRO											
EGUA	E	0	15	28	50.4	E	0	15	28	54.0	0.05 0.2 45
ECOG	E	0	15	28	56.5	E	0	15	29	05.0	0.3 40
ENIJ	E	0	15	29	02.8	E	0	15	29	15.2	0.2 35
ELUQ						E	0	15	29	24.0	35
06 ene 15h 43m 09.8s 36°46'N 03°16'W 5Km rms ±0.1s mb 2.7 CASTELL DE FERRO											

EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR	
06 ene 15h 52m 17.0s 36°34'N 02°38'W rms ±0.4s mb 2.8 GOLFO DE ALMERIA												
EGUA	E	0	15	43	14.6	E	0	15	43	18.0	0.05 0.2 45	
ECOG	E	0	15	43	20.4	E	0	15	43	28.0	35	
ENIJ	E	0	15	43	26.0	E	0	15	43	37.4	0.01 0.2 30	
ELUQ						E	0	15	43	45.6	25	
06 ene 19h 25m 21.1s 42°41'N 02°33'E 3Km rms ±0.5s mb 2.1 E.QUILLAN.FR												
VDCF	E	0	19	25	23.6	E	0	19	25	27.1		
MTHF	E	0	19	25	25.4	E	0	19	25	29.5		
PERF	E	0	19	25	26.5	E	0	19	25	30.9	25	
ETER	E	0	19	25	29.3	E	0	19	25	35.0	0.01 0.3 20	
TRGS	E	0	19	25	29.0	E	0	19	25	35.1		
BRU	E	0	19	25	29.5							
OLT	E	0	19	25	31.0							
FONT	E	0	19	25	38.3	E	0	19	25	50.8		
SALF						E	0	19	25	52.9		
EPF	E	0	19	25	51.7	E	0	19	26	13.3		
07 ene 00h 53m 33.8s 36°36'N 02°41'W 5Km rms ±0.7s mb 3.0 GOLFO DE ALMERIA												
ENIJ	E	0	00	53	42.7	E	00	53	50.3	0.09	0.3 50	
EGUA	E	0	00	53	47.7	E	00	53	57.0	0.04	0.2 45	
ECOG	E	0	00	53	52.0	E	00	54	04.0		40	
EHUE	E	0	00	53	57.5	E	00	54	13.0		25	
ELUQ	E	0	00	54	02.0	E	00	54	23.0		35	
07 ene 07h 06m 41.1s 36°35'N 02°37'W rms ±0.1s mb 2.8 GOLFO DE ALMERIA												
ENIJ	E	0	07	06	50.5	E	07	06	57.5	0.04	0.3 40	
EGUA	E	0	07	06	55.8	E	07	07	06.8	0.03	0.2 50	
ECOG	E	0	07	07	00.0						30	
07 ene 10h 55m 14.7s 37°11'N 01°57'W 3Km rms ±0.6s mb 2.8 SW.VERA.AL												
ENIJ	E	0	10	55	19.4	E	0	10	55	24.0	0.11 0.2	
EHUE	E	0	10	55	28.3	E	0	10	55	40.0	40	
ECOG	E	0	10	55	38.0	E	0	10	55	56.0	45	
EGUA	E	0	10	55	39.0	E	0	10	55	57.0	0.4 45	
EVIA	E	0	10	55	42.3	E	0	10	56	01.0	0.03 0.4 40	
EBAN	E	0	10	55	46.2	E	0	10	56	08.3	0.01 0.3 35	
07 ene 15h 57m 24.3s 42°47'N 02°32'E 3Km rms ±0.4s mb 2.9 W.QUILLAN.FR												
MTHF	I	C	0	15	57	26.7	E	0	15	57	29.8	
VDCF	I	C	0	15	57	28.2	E	0	15	57	31.8	
PERF	I	C	0	15	57	31.2						
TRGS	I	C	0	15	57	33.1	E	0	15	57	39.9	
LSPF	I	D	0	15	57	33.0	E	0	15	57	40.4	
BRU	I	C	0	15	57	34.4						
ETER	E	0	15	57	34.3	E	0	15	57	41.0	0.04 0.2 35	
OLT			0	15	57	36.4	E	0	15	57	45.8	
GRBF	E	0	15	57	37.7	E	0	15	57	48.1		
SQD			0	15	57	38.7	E	0	15	57	49.5	
LESF	I	C	0	15	57	41.6	E	0	15	57	55.7	35

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
SALF	E	0	15 57 41.9	E 0	15 57 55.8			
FONT	0	15 57 43.3	E 0	15 57 57.7				
SOR I D	0	15 57 44.2						
MLS E	0	15 57 44.5	E 0	15 57 59.0				
MRE	0	15 57 48.6						
PON I C	0	15 57 49.4						
EPF	0	15 57 53.2						
AVN	0	15 57 53.7						
LPO	0	15 57 58.3						
EBR								
07 ene 23h 17m 56.2s 42°28'N 08°07'W 9Km rms ±0.3s mb 3.0 CARBALLINO.OR								
EZAM I C	0	23 18 06.1	E 0	23 18 13.8	0.06	0.2	60	
STS I D	0	23 18 06.1	E 0	23 18 13.5	0.10	0.2	80	
ERUA I C	0	23 18 09.6	E 0	23 18 19.5	0.04	0.2	50	
EMON I C	0	23 18 15.8	E 0	23 18 31.4	0.06	0.2	90	
PTO E	4	23 18 23.0	I 0	23 18 38.0				
MVO E	0	23 18 23.0	I 0	23 18 42.5				
MTE E	0	23 18 30.5	E 0	23 18 56.5				
EPLA E	0	23 18 40.3	E 0	23 19 13.8		0.3	75	
GUD E	0	23 18 49.3	E 0	23 19 28.9		0.2	90	
MOE E	0	23 18 55.0						
08 ene 00h 45m 14.0s 36°36'N 02°39'W 4Km rms ±0.4s mb 3.0 GOLFO DE ALMERIA								
ENIJ I	0	00 45 23.0	E 0	00 45 30.2	0.11	0.2	50	
EGUA I	0	00 45 28.0	E 0	00 45 38.5	0.05	0.2	45	
ECOG E	0	00 45 32.4	E 0	00 45 45.5		0.2	35	
EHUE E	0	00 45 37.0	E 0	00 45 53.0			30	
08 ene 07h 18m 08.6s 36°27'N 05°04'W 29Km rms ±0.6s mb 3.0 E. ESTEPONA								
EJIF E	0	07 18 16.5	E 0	07 18 22.0	0.05	0.2	55	
ALJ E	0	07 18 18.0						
EPRU I C	0	07 18 18.2	E 0	07 18 26.5	0.04	0.3	40	
MAL I D	0	07 18 19.8	I 0	07 18 29.0				
ELUQ E	0	07 18 28.8	E 0	07 18 46.4	0.04	0.2	45	
EHOR E	0	07 18 30.0	E 0	07 18 47.5	0.02	0.2	45	
EBAN			E 0	07 19 02.9	0.01	0.2	20	
08 ene 14h 40m 47.7s 36°33'N 02°39'W rms ±0.4s mb 3.1 GOLFO DE ALMERIA								
ENIJ I	0	14 40 57.0	E 0	14 41 05.5	0.08	0.2	60	
EGUA E	0	14 41 02.3	E 0	14 41 12.4	0.10	0.2	50	
ECOG I D	0	14 41 06.6	E 0	14 41 21.0		0.2	40	
EHUE E	0	14 41 11.2	E 0	14 41 27.7			45	
EVIA E	9	14 41 25.7	E 0	14 41 50.8	0.03	0.3	55	
08 ene 19h 30m 17.6s 42°01'N 07°16'W 4Km rms ±0.4s mb 2.9 SIERRA DO TEXEIRAS.OR								
MVO I D	4	19 30 14.7	I 4	19 30 41.5				
ERUA E	0	19 30 24.5	E 0	19 30 29.7	0.06	0.2	30	
EZAM E	0	19 30 37.4	E 0	19 30 51.5	0.04	0.2	25	
STS E	0	19 30 41.4	E 0	19 30 57.5	0.03	0.2	40	
EMON E	0	19 30 43.6	E 0	19 31 02.0	0.08	0.2	60	
EPLA E	0	19 30 53.2	E 0	19 31 18.9		0.3	65	
GUD E	9	19 31 08.0	E 0	19 31 40.0		0.2	80	
09 ene 13h 54m 37.1s 42°47'N 02°34'E 2Km rms ±0.5s mb 3.2 E. QUILLAN.FR								
MTHF I D	0	13 54 39.8	E 0	13 54 42.6				
13 ene 01h 10m 56.0s 37°03'N 04°31'W 6Km rms ±0.4s mb 2.4 ARCHIDONA.MA								
ELUQ E	0	01 11 05.5	E 0	01 11 14.0	0.01	0.2	38	
EGUA E	0	01 11 10.5	E 0	01 11 20.5		0.2	36	
ECOG E	0	01 11 10.5	E 0	01 11 21.8			34	
EHOR E	0	01 11 14.5	E 0	01 11 26.5			23	
EBAN E	0	01 11 19.0	E 0	01 11 35.5			25	
13 ene 01h 16m 33.5s 37°06'N 04°24'W 9Km rms ±0.4s mb 2.4 ARCHIDONA.MA								
ELUQ E	0	01 16 41.1	E 0	01 16 49.5	0.02	0.2	55	
ECOG E	0	01 16 46.0	E 0	01 16 55.2			52	
EPRU E	0	01 16 46.0	E 0	01 16 55.5			40	
EGUA E	0	01 16 47.0	E 0	01 16 56.2		0.2	51	
EBAN E	0	01 16 55.0	E 0	01 17 10.0			30	
13 ene 01h 54m 56.5s 37°04'N 04°30'W 6Km rms ±0.4s mb 2.8 ARCHIDONA.MA								
MAL E	0	01 55 02.5	I 0	01 55 07.2	0.15	0.4	69	
ELUQ I D	0	01 55 06.1	E 0	01 55 13.4	0.05	0.2	60	
EPRU E	0	01 55 08.1	E 0	01 55 16.2	0.02	0.4	45	
EGUA E	0	01 55 10.2	E 0	01 55 21.2	0.06	0.3	65	
ECOG E	0	01 55 11.4	E 0	01 55 21.7	0.02	0.3	60	
EHOR E	0	01 55 14.2	E 0	01 55 27.1	0.04	0.2	40	
EJIF E	0	01 55 15.3	E 0	01 55 27.7	0.01	0.4	55	
EBAN I C	0	01 55 18.9	E 0	01 55 35.7	0.03	0.2	40	
EHUE E	0	01 55 25.8	E 0	01 55 46.7		0.2	35	
EVAL I C	0	01 55 27.4	E 0	01 55 50.3			25	
EVIA I C	0	01 55 32.5	E 0	01 55 59.9			60	
14 ene 01h 48m 00.6s 42°14'N 08°03'W 6Km rms ±0.1s mb 2.9 OUTUMURO.OR								
EZAM E	0	01 48 09.7	E 0	01 48 16.1			23	
ERUA E	0	01 48 13.4	E 0	01 48 22.8			25	
STS E	0	01 48 14.7	E 0	01 48 24.8	0.01	0.2	25	
EMON			E 0	01 48 41.8	0.03	0.2	35	
15 ene 04h 27m 12.5s 37°05'N 04°24'W 8Km rms ±0.4s mb 2.7 ARCHIDONA.MA								
MAL I C	0	04 27 18.5	I 0	04 27 24.0	0.18	0.3	73	
ELUQ E	0	04 27 21.5	E 0	04 27 28.2	0.03	0.2	62	
EGUA E	0	04 27 25.7	E 0	04 27 35.7	0.01	0.2	43	

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ECOG	E	0	04 27 26.0	E 0	04 27 34.5	0.02	0.2	53
EPRU	E	4	04 27 27.5	E 0	04 27 35.2			37
EHOR	E	0	04 27 31.0	E 0	04 27 43.2	0.04	0.2	46
EJIF	E	0	04 27 31.5	E 0	04 27 45.8	0.01	0.3	44
EBAN	E	0	04 27 34.0	E 0	04 27 50.1	0.02	0.2	31

15 ene 04h 28m 46.4s 37°04'N 04°24'W 3Km
rms ±0.7s mb 3.0 ARCHIDONA.MA

MAL	I C 0	04 28 52.0	I 0	04 28 57.0	1.26	0.3		
ELUQ	I D 0	04 28 55.3	E 0	04 29 02.8			60	
ECOG	I D 0	04 28 58.4	E 0	04 29 09.2	0.05	0.2	100	
EGUA	E 0	04 28 58.4	E 0	04 29 09.3	0.06	0.3	90	
EPRU	E 0	04 28 59.3	E 0	04 29 09.2	0.05	0.4	70	
EHOR	I C 0	04 29 03.9	E 0	04 29 19.1	0.13	0.2	80	
EJIF	I C 0	04 29 07.1	E 0	04 29 19.2	0.04	0.3	70	
EBAN	I C 0	04 29 07.4	E 0	04 29 23.9	0.06	0.2	60	
ALJ	I 0	04 29 08.0						
GIBL	E 0	04 29 11.0						
EHUE	I D 0	04 29 14.4	E 0	04 29 36.4	0.02	0.2	50	
ENIJ	E 0	04 29 17.1	E 0	04 29 40.1	0.03	0.4	60	
EVAL	E 0	04 29 17.6	E 0	04 29 43.4	0.03	0.3	70	

15 ene 04h 31m 17.9s 37°06'N 04°21'W
rms ±1.0s mb 2.4 ARCHIDONA.MA

MAL			I 0	04 31 29.0			55	
ELUQ	E 0	04 31 26.6	E 0	04 31 34.4			35	
EGUA	E 0	04 31 28.9	E 0	04 31 40.8	0.01	0.3	35	
ECOG	E 0	04 31 29.0	E 0	04 31 40.5		0.2	55	
EPRU			0	04 31 42.5				
EHOR	E 0	04 31 36.2	E 0	04 31 48.9		0.2	30	
EBAN	E 0	04 31 38.0	E 0	04 31 54.2		0.2	25	

15 ene 12h 46m 13.1s 36°54'N 04°24'W 23Km
rms ±0.7s mb 3.2 CASABERMEJA.MA

MAL	I C 0	12 46 19.2	I 4	12 46 25.0				
ALJ	I 4	12 46 22.0						
EGUA	I D 0	12 46 24.9	E 0	12 46 34.3	0.06	0.2	80	
EPRU	I D 0	12 46 25.5	E 0	12 46 34.6	0.04	0.3	65	
ELUQ	E 0	12 46 26.8	E 0	12 46 33.9			65	
ECOG	I D 0	12 46 27.9	E 0	12 46 37.2	0.05	0.3	65	
EJIF	E 0	12 46 30.1			0.05	0.3	75	
EHOR	I D 0	12 46 31.9	E 0	12 46 47.5	0.05	0.3	60	
EBAN	I D 0	12 46 36.2			0.03	0.2	65	
EHUE	E 0	12 46 40.8	E 0	12 47 01.5			50	
ENIJ	I D 0	12 46 41.0						
EVIA	E 0	12 46 48.4	E 0	12 47 13.5	0.03	0.2	85	
MOE	I C 0	12 47 04.3	I 4	12 47 42.5				

16 ene 03h 55m 05.3s 37°06'N 04°22'W 2Km
rms ±0.9s mb 2.7 ARCHIDONA.MA

MAL	I C 0	03 55 10.8	I 0	03 55 16.0				
ELUQ	I D 0	03 55 13.4	E 0	03 55 20.4	0.04	0.2	70	
EGUA	E 0	03 55 16.7	E 0	03 55 27.9	0.03	0.2	60	
ECOG	E 0	03 55 17.2	E 0	03 55 27.0	0.02	0.3	65	
EPRU	E 0	03 55 18.6	E 0	03 55 28.9			55	
EHOR	I D 0	03 55 22.5	E 0	03 55 35.5	0.05	0.2	50	
EBAN	I D 0	03 55 26.0	E 0	03 55 41.7	0.03	0.2	40	
EJIF	E 0	03 55 26.5	E 0	03 55 40.0	0.02	0.3	55	
EHUE	E 0	03 55 33.9	E 0	03 55 54.6		0.2	60	
ENIJ	E 0	03 55 36.0	E 0	03 55 55.5			40	
EVAL	E 0	03 55 39.3	E 0	03 56 03.1			50	
EVIA	E 0	03 55 41.5	E 0	03 56 07.6	0.01	0.3	65	
EPLA	E 0	03 55 55.5	E 0	03 56 34.0				
GUD	E 0	03 55 61.0	E 0	03 56 40.6			60	

EST I/E W HORA P I/E W HORA S AMP PER DUR

16 ene 15h 36m 26.0s 43°03'N 00°20'E 9Km
rms ±0.5s mb 2.9 BAGNERES DE BIGORRE.FR

EPF		0	15 36 28.5	0	15 36 30.0			
BDBF		0	15 36 28.8	0	15 36 31.7			
ENEF		0	15 36 30.1	0	15 36 34.1			
BTH		0	15 36 32.5	0	15 36 37.8			
VIH		0	15 36 35.6	0	15 36 42.5			
MLS		0	15 36 36.5	0	15 36 44.0			
SALF		0	15 36 38.5					
PON		0	15 36 38.7	0	15 36 48.1			
LESF		0	15 36 39.1					
EGRA	I D 0	0	15 36 40.9	E 0	15 36 53.5	0.02	0.2	46
GRBF		0	15 36 42.6					
AVN		0	15 36 47.3					
ELIZ	E 0	0	15 36 49.7	E 0	15 37 08.1	0.03	0.3	47
LPO	4	15 36 59.0	4	15 37 22.5				
ECRI	E 0	0	15 37 00.5	E 0	15 37 26.4	0.01	0.3	54
OLT	4	15 37 01.0						
MRE				4	15 37 22.7			
LFF	4	15 37 01.9		4	15 37 27.5			
EROQ				E 0	15 37 29.5			55
ETOR	E 0	0	15 37 10.0	E 0	15 37 45.1			83

16 ene 22h 05m 21.9s 37°29'N 01°55'W
rms ±0.6s mb 2.3 N. HUERCAL OVERA.AL

EALH	E 0	22 05 31.3	E 0	22 05 40.0		0.3	25	
ENIJ	I C 0	22 05 31.6	E 0	22 05 40.0	0.01	0.3	25	
EHUE	E 0	22 05 32.2	E 0	22 05 42.8			38	
EVIA	E 0	22 05 45.0	E 0	22 06 02.0	0.02	0.3	32	
ECOG	E 9	22 05 49.0	E 0	22 06 07.8			36	

18 ene 04h 10m 32.6s 36°28'N 09°57'W 55Km
rms ±0.7s mb 3.5 SW. CABO SAN VICENTE

FAR	E 4	04 11 01.0	I 4	04 11 21.0				
FIG	E 0	04 11 01.5	I 0	04 11 22.5				
PLML	I C 0	04 11 07.1	E 0	04 11 33.1				
LIS	E 0	04 11 07.0	I 0	04 11 33.9				
MOE	E 0	04 11 09.3	E 0	04 11 36.0				
INMG	E 0	04 11 09.6	E 0	04 11 35.4				
EVAL	I C 0	04 11 14.0	E 0	04 11 45.0	0.05	0.2	145	
PLAT		0	04 11 22.0					
CNIL	4	04 11 22.0						
TSY	0	04 11 23.5	0	04 11 58.5				
ALJ		0	04 11 24.0					
BIF		0	04 11 25.0	0	04 12 02.0			
EJIF	E 0	04 11 26.0	0	04 12 05.0	0.04	0.3	110	
AVE		0	04 11 27.8	0	04 12 08.0			
EPRU	I D 0	04 11 29.0	E 0	04 12 10.0	0.02	0.3	115	
COI	E 0	04 11 29.6	E 0	04 12 11.6				
EHOR	I D 0	04 11 30.8	E 0	04 12 12.5	0.03	0.3	140	
MTE	I C 0	04 11 35.5	I 0	04 12 21.0				
JHA		0	04 11 40.0	4	04 12 29.2			
EPLA	I C 0	04 11 40.0	E 0	04 12 30.0	0.03	0.2	130	
ELUQ	I D 0	04 11 40.2	E 0	04 12 30.0	0.02	0.2	110	
IFR		0	04 11 43.0	4	04 12 34.0			
KSB		0	04 11 44.5	0	04 12 37.5			
MSH		0	04 11 44.3	0	04 12 37.8			
TAZ		0	04 11 46.0	4	04 12 39.5			
MVO	I C 0	04 11 46.0	I 0	04 12 42.0				
EBAN	I C 0	04 11 47.6	E 0	04 12 41.0	0.02	0.2	115	
EGUA	I D 0	04 11 47.8	E 0	04 12 42.0	0.03	0.3	115	
ECOG	E 0	04 11 47.8	E 0	04 12 43.0	0.02	0.3	150	
EZAM	E 0	04 11 54.5	E 0	04 12 55.0	0.02	0.3	85	
EHUE	E 0	04 11 59.0	E 0	04 13 03.0	0.01	0.3	115	
GUD	E 0	04 12 00.1	E 0	04 13 05.5	0.01	0.3	165	
EVIA	E 0	04 12 02.1	E 0	04 13 07.0	0.02	0.3	160	
ERUA	E 0	04 12 02.5	E 0	04 13 07.0			95	
STS	E 0	04 12 04.3	E 0	04 13 13.0	0.01	0.3	110	
ETOR	E 0	04 12 19.5			0.01	0.3	180	

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

EST I/E W HORA P I/E W HORA S AMP PER DUR

18 ene 09h 24m 07.7s 37°06'N 01°36'W 4Km
rms ±0.6s mb 2.8 SE. GARRUCHA

ENIJ I C 0	09 24 16.3	E 0	09 24 23.2	0.02	0.2	50
EALH I C 0	09 24 22.0	E 4	09 24 30.0			
ECOG E 0	09 24 35.2	E 0	09 24 57.0		0.3	50
EGUA E 0	09 24 35.4	E 0	09 24 57.3	0.02	0.3	45
EVIA I C 0	09 24 37.6	E 0	09 24 57.9	0.02	0.3	50
EBAN I C 0	09 24 43.0	E 0	09 25 07.6	0.02	0.3	40

19 ene 14h 08m 38.7s 42°37'N 02°20'E 4Km
rms ±0.3s mb 2.6 PRADES.FR

VDCF	0	14 08 39.5	0	14 08 40.6		
OLT	4	14 08 40.5				
TRGS	0	14 08 43.7	0	14 08 48.1		
MTHF	0	14 08 44.8	0	14 08 50.6		
BRU	0	14 08 44.9				
LSPF	0	14 08 46.8	0	14 08 53.8		
ETER I C 0	14 08 47.9	E 0	14 08 54.6	0.03	0.2	35
GRBF	0	14 08 50.1	0	14 08 59.0		
SALF	0	14 08 54.0				
FONT	0	14 08 54.3	0	14 09 06.0		
LESF	0	14 08 54.3				
MRB			0	14 09 13.4		
VIH	0	14 09 00.1	0	14 09 15.5		
PON	0	14 09 00.3				
AVN	0	14 09 04.2				
EGRA E 0	14 09 06.2	E 0	14 09 25.0		0.2	39

19 ene 23h 48m 43.1s 36°36'N 02°39'W 2Km
rms ±0.4s mb 3.1 GOLFO DE ALMERIA

ENIJ I C 0	23 48 52.3	E 0	23 48 58.7	0.10	0.2	70
EGUA E 0	23 48 57.5	E 0	23 49 07.2	0.07	0.2	75
ECOG E 0	23 49 01.4	E 0	23 49 14.6	0.02	0.2	70
EHUE E 0	23 49 04.5	E 0	23 49 22.3			60
ELUQ E 0	23 49 14.5	E 0	23 49 32.2			50
EBAN E 0	23 49 17.3	E 0	23 49 37.7			55
EVIA E 0	23 49 17.3	E 0	23 49 42.5	0.02	0.3	80

20 ene 23h 44m 05.0s 36°39'N 02°41'W
rms ±0.5s mb 3.0 GOLFO DE ALMERIA

ENIJ I C 0	23 44 14.0	E 0	23 44 20.8	0.06	0.2	50
EGUA I C 0	23 44 18.9	E 0	23 44 27.5	0.08	0.2	60
ECOG I C 0	23 44 22.9	E 0	23 44 35.5	0.02	0.2	60
EBAN E 9	23 44 39.0	E 0	23 45 01.0			
EVIA E 9	23 44 42.0	E 0	23 45 07.5	0.01	0.3	55

22 ene 00h 50m 33.9s 38°23'N 00°52'W 9Km
rms ±0.7s mb 2.7 LA ROMANA.A

VIV E 0	00 50 49.9	E 0	00 51 03.1			48
ECHE E 0	00 50 55.5	E 0	00 51 12.0	0.02	0.4	45
EVIA E 0	00 50 56.0	E 0	00 51 13.0	0.02	0.4	60
EHUE E 0	00 51 00.0	E 0	00 51 19.1			50

22 ene 07h 28m 15.1s 36°34'N 02°38'W
rms ±0.3s mb 2.7 GOLFO DE ALMERIA

ENIJ I C 0	07 28 24.7	E 0	07 28 31.7	0.02	0.2	35
EGUA E 0	07 28 29.9	E 0	07 28 39.8	0.04	0.2	30
ECOG E 0	07 28 34.0	E 0	07 28 48.1	0.01	0.3	30

EST I/E W HORA P I/E W HORA S AMP PER DUR

23 ene 03h 17m 55.4s 36°43'N 05°25'W 6Km
rms ±0.3s mb 2.7 SIERRA DE GRAZALEMA, CA

EJIF E 0	03 18 00.0	E 0	03 18 04.0	0.04	0.2	50
EPRU E 0	03 18 00.8	E 0	03 18 05.3	0.02	0.3	50
ALJ I 0	03 18 01.0					
LIJA E 4	03 18 03.0					
EHOR E 0	03 18 15.2	E 0	03 18 30.4	0.01	0.2	40
ELUQ E 0	03 18 18.3	E 0	03 18 35.5		0.2	60
EVAL E 0	03 18 19.7	E 0	03 18 38.0		0.3	40
EGUA E 0	03 18 21.0	E 0	03 18 41.0			60
ECOG E 0	03 18 22.7	E 0	03 18 43.0			70

23 ene 12h 37m 37.3s 39°58'N 04°02'E
rms ±1.1s mb 3.0 FERRERIES.PM

ESEL E 0	12 37 53.0	E 0	12 38 04.0	0.03	0.2	45
ETER E 0	12 38 15.6	E 0	12 38 44.0		0.2	38
BRU 0	12 38 19.1	0	12 38 50.3			
LMR 0	12 38 35.6	0	12 39 16.7			
LRG 0	12 38 36.7	0	12 39 16.9			
FRF 0	12 38 38.9	0	12 39 22.9			
EPP 0	12 38 39.5	0	12 39 24.5			
PGF 0	12 38 45.0	0	12 39 32.8			
SBF 0	12 38 46.8	0	12 39 35.0			
CAF 0		0	12 39 48.4			
LPG 4	12 39 06.0					
LPL 4	12 39 06.1					

24 ene 20h 17m 29.2s 36°45'N 02°40'W 6Km
rms ±0.4s mb 2.6 GOLFO DE ALMERIA

ENIJ I C 0	20 17 37.0	E 0	20 17 42.8	0.04	0.2	50
EGUA I C 0	20 17 42.1	E 0	20 17 52.0	0.02	0.2	55
ECOG E 0	20 17 46.0	E 0	20 17 57.7		0.3	35
EVIA E 0	20 18 01.5	E 0	20 18 23.5			40

25 ene 10h 36m 09.1s 36°44'N 07°04'W 3Km
rms ±0.7s mb 3.2 GOLFO DE CADIZ

FIG I C 0	10 36 21.7	I 0	10 36 31.2				
PLAT I 4	10 36 25.0						
CNIL I 0	10 36 25.0						
EVAL I C 0	10 36 25.1	E 0	10 36 37.9	0.16	0.2	120	
GIBL I 4	10 36 29.0						
EJIF E 0	10 36 32.0	E 0	10 36 51.5	0.02	0.3	120	
EPRU E 0	10 36 35.4	E 0	10 36 55.8	0.01	0.2	110	
MOE I C 4	10 36 40.8	I 0	10 37 09.0				
EHOR E 0	10 36 41.4	E 0	10 37 04.3	0.08	0.2	110	
PALM E 0	10 36 47.0	E 0	10 37 15.5				
ELUQ E 0	10 36 48.7				0.02	0.2	70
EVIA E 0	10 37 10.0				0.04	0.5	100
EBAN E 0	10 36 57.0				0.01	0.2	110
LIS		4	10 37 29.1				
AVE		4	10 37 35.0			165	
IFR I 4	10 37 01.0	E 4	10 37 39.0			165	
EPLA E 0	10 37 01.3	0	10 37 41.0	0.02	0.2	125	
MTE I C 0	10 37 06.0	I 0	10 37 50.0				
MVO E 0	10 37 15.9	E 0	10 38 04.9				
GUD E 0	10 37 18.4	0	10 38 07.0	0.02	0.3	165	
TIO E 4	10 37 31.0	4	10 38 31.5			165	

26 ene 12h 57m 06.8s 42°54'N 02°05'W 6Km
rms ±0.7s mb 3.5 E. ALSASUA.NA

ECRI I C 0	12 57 14.6	E 0	12 57 21.7	0.22	0.2	120
ELTZ I C 0	12 57 15.4	E 0	12 57 23.0	0.21	0.2	90
BTH I 0	12 57 30.5	I 0	12 57 49.6			
EGRA I D 0	12 57 37.6	E 0	12 58 02.4	0.06	0.3	110
EPP 0	12 57 37.3	0	12 57 58.8			
ETOR I C 0	12 57 39.5	E 0	12 58 07.0	0.06	0.3	130
PON 0	12 57 40.9					

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
AVN	0		12 57 42.5	4	12 58 22.4			
VIH	0		12 57 42.6					
SOR	4		12 57 48.7					
ERQO I D	0		12 57 50.3	E 0	12 58 24.0	0.03	0.2	120
LEF	0		12 57 52.8	0	12 58 26.1			
LFO	0		12 57 54.5	0	12 58 27.6			
EBR	4		12 57 57.0					
ECHE E	0		12 57 59.2	E 0	12 58 39.2	0.03	0.4	110
BRU				4	12 58 07.9			
RJF	0		12 58 00.8	0	12 58 43.0			
CAF	0		12 58 02.2	0	12 58 44.2			
MVO E	0		12 58 07.5	E 0	12 58 54.0			
OLT	4		12 58 08.3	4	12 58 51.2			
LSF	0		12 58 10.2	0	12 58 59.1			
TCF	0		12 58 14.5	0	12 59 06.0			
MAF	0		12 58 15.7	0	12 59 09.2			
MEF	4		12 58 21.4	4	12 59 14.4			
BGF	0		12 58 21.8	0	12 59 18.9			
AVF	0		12 58 26.5	0	12 59 29.4			

26 ene 13h 48m 12.3s 37°52'N 01°43'W 4Km
rms ±0.6s mb 2.4 SIERRA DEL MADROÑO.MU

EALH E	0		13 48 15.5	E 0	13 48 20.2	0.02	0.3	40
EHUE E	0		13 48 25.0	E 0	13 48 34.0			35
ENLJ E	0		13 48 30.0	E 0	13 48 43.0			40
EVIA E	0		13 48 30.5	E 0	13 48 44.3			50
VIV E	0		13 48 39.3	E 0	13 48 57.0			50
ECOG E	0		13 48 40.5	E 0	13 49 02.4	0.02	0.4	50

27 ene 00h 23m 50.8s 36°21'N 05°30'W 3Km
rms ±0.8s mb 2.9 JIMENA LA FRONTERA.CA

EJIF I	0		00 23 51.4	E 0	00 23 54.6	0.02	0.2	110
ALJ I	0		00 23 53.0					
LIJA E	4		00 23 56.0					
OJEN E	0		00 23 57.0					
PLAT I	4		00 24 00.0					
EPRU I D	0		00 24 02.4	E 0	00 24 12.5	0.04	0.3	100
CNIL I	4		00 24 03.0					
MAL E	0		00 24 06.5			0.06	0.7	38
GIBL E	4		00 24 14.0					
EHOR I	0		00 24 17.0	E 0	00 24 37.8	0.07	0.4	110
ELUQ E	0		00 24 17.5	E 0	00 24 39.0		0.2	75
EVAL E	0		00 24 18.7	E 0	00 24 39.5			75
EGUA E	0		00 24 19.2	E 0	00 24 40.0	0.01	0.3	80
ECOG E	0		00 24 22.3	E 0	00 24 45.0			100

27 ene 11h 23m 29.0s 36°30'N 04°29'W
rms ±0.8s mb 2.7 E. FUENGIROLA

MAL I D	0		11 23 32.0	I 0	11 23 35.0	0.32	0.3	35
EJIF E	0		11 23 43.0	E 0	11 23 54.0	0.02	0.3	40
EGUA E	0		11 23 43.5	E 0	11 23 54.5	0.02	0.2	40
EPRU E	0		11 23 44.0					55
ECOG E	0		11 23 49.0	E 0	11 24 04.0			40
EHOR E	0		11 23 56.0	E 0	11 24 15.5			45

28 ene 18h 24m 32.2s 36°27'N 05°29'W 2Km
rms ±0.5s mb 2.7 II-III JIMENA LA FRONTERA.CA

EJIF I D	0		18 24 31.7					130
ALJ I	4		18 24 38.5					
OJEN I	4		18 24 40.8					
PLAT I	4		18 24 41.1					
EPRU I D	0		18 24 42.7	E 0	18 24 50.0	0.02	0.4	90
LIJA E	4		18 24 43.2					
CNIL I	4		18 24 43.7					
GIBL E	4		18 24 45.1					
SFS E	4		18 24 45.4					
EHOR I D	0		18 24 57.4	E 0	18 25 15.8			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ELUQ E	0		18 24 58.9	E 0	18 25 18.6	0.01	0.3	75
EGUA E	0		18 24 59.2	E 0	18 25 21.5	0.02	0.4	80
EVAL I D	0		18 25 00.1	E 0	18 25 19.1	0.02	0.4	70
ECOG E	0		18 25 02.1	E 0	18 25 24.2			85
EBAN E	0		18 25 10.2	E 0	18 25 35.3			60
EPLA E	0		18 25 28.5	E 0	18 26 10.0			50
MOE E	4		18 25 31.0	E 4	18 26 12.0			

29 ene 18h 43m 17.0s 36°58'N 02°13'W 5Km
rms ±0.3s mb 2.5 NIJAR.AL

ENLJ I D	0		18 43 17.5	E 0	18 43 18.7			35
EHUE E	0		18 43 33.1	E 0	18 43 45.9			
EGUA E	0		18 43 36.4	E 0	18 43 51.8	0.01	0.3	30
ECOG E	0		18 43 37.3	E 0	18 43 52.0			40
EVIA I C	0		18 43 45.9	E 0	18 44 06.7		0.3	35

30 ene 02h 52m 11.9s 43°21'N 00°52'W 2Km
rms ±0.4s mb 2.9 SALIES DE BEARN.FR

BTH I	0		02 52 21.4	E 4	02 52 26.0			
ELIZ I D	0		02 52 21.7	E 0	02 52 28.0	0.06	0.2	30
EPF	0		02 52 29.0	0	02 52 42.6			
EGRA E	0		02 52 37.5	E 0	02 52 57.0			40
ECRI E	0		02 52 38.4	E 0	02 52 56.3	0.02	0.3	35
RJF	0		02 52 53.8	0	02 53 24.6			
AVN	4		02 52 56.4					

30 ene 16h 41m 13.4s 37°02'N 02°40'W 2Km
rms ±0.5s mb 2.8 NE.CANJAYAR.AL

ENLJ I D	0		16 41 20.1	E 0	16 41 25.6	0.04	0.2	40
EHUE E	0		16 41 26.7	E 0	16 41 38.7		0.2	50
ECOG I C	0		16 41 27.2	E 0	16 41 36.8			45
EGUA I C	0		16 41 27.4	E 0	16 41 36.5	0.03	0.2	50
EALH E	0		16 41 36.8	E 0	16 41 54.0			
EBAN E	0		16 41 39.2	E 0	16 41 57.7	0.01	0.3	40
ELUQ E	0		16 41 39.5	E 0	16 41 57.2	0.01	0.3	50
EVIA E	0		16 41 42.3	E 0	16 42 03.0			

01 feb 22h 12m 09.7s 36°08'N 07°35'W 32Km
rms ±0.8s mb 3.2 S. FARO

FAR				0	22 12 36.3			
FIG I C	0		22 12 25.0	I 0	22 12 37.0			
CPS I	0		22 12 32.0	I 0	22 12 47.5			
EVAL E	0		22 12 34.4	E 0	22 12 52.6	0.04	0.2	100
TSY I	0		22 12 35.0	I 0	22 12 50.5			
EJIF E	0		22 12 36.5	E 0	22 12 58.6	0.05	0.3	95
BIT I	0		22 12 36.0	I 0	22 12 54.0			
PLAT E	4		22 12 37.0					
EPRU E	0		22 12 41.6	E 0	22 13 04.6	0.03	0.3	100
OJEN E	4		22 12 42.5					
GIBL E	4		22 12 43.0					
MOE E	0		22 12 47.0	I 0	22 13 15.0			
EHOR E	0		22 12 47.5	E 0	22 13 16.0	0.02	0.3	105
PIML E	0		22 12 49.5	E 0	22 13 20.0			
TGT I	0		22 12 53.5	I 0	22 13 24.5			
ELUQ E	0		22 12 54.9	E 0	22 13 27.4		0.2	80
EGUA E	0		22 12 58.7	E 0	22 13 35.0	0.02	0.2	98
MSH I	0		22 13 00.0	I 0	22 13 36.0			
ECOG E	0		22 13 00.5	E 0	22 13 37.3	0.02	0.3	100
EBAN E	0		22 13 03.0	E 0	22 13 42.5	0.01	0.3	85
CLZ I	0		22 13 05.0	I 0	22 13 43.5			
LIS E	4		22 13 05.0	E 0	22 13 24.0			
KSB E	0		22 13 06.0	I 0	22 13 46.0			
TAZ I	0		22 13 09.0	I 0	22 13 52.5			
EPLA E	0		22 13 09.6	E 0	22 13 53.0		0.3	100
MTE E	0		22 13 12.5	I 0	22 13 57.5			
EHUE E	0		22 13 13.4	E 0	22 14 00.0			75
ENLJ E	0		22 13 14.6	E 0	22 14 02.5			75

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR	EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR		
EVIA	E	0	22	13	18.1	E	0	22	14	09.2													120		
OUK	I	0	22	13	20.5	I	0	22	14	12.5															
GUD	E	0	22	13	25.3	E	0	22	14	21.0	0.3	140													
ETOR	E	0	22	13	41.2	E	0	22	14	46.8		130													
AVE	E	0	22	12	54.0	E	4	22	13	03.5															
IFR	I	0	22	12	59.0																				
TZK	I	0	22	13	01.0	I	0	22	13	37.5															
TIO	I	0	22	13	25.5	E	0	22	14	20.8															
02 feb 18h 13m 12.4s 36°38'N 02°52'W rms ±0.3s mb 2.8 SE. ADRA												09 feb 08h 46m 33.8s 41°32'N 02°12'E 2Km rms ±0.3s mb 2.6 MOLLET.B													
EGUA	E	0	18	13	23.2	E	0	18	13	31.7	0.05	0.2	50	FBR	D	0	08	46	35.8	0	08	46	38.3		
ENIJ	E	0	18	13	23.7	E	0	18	13	32.8	0.05	0.2	45	FONT	0	08	46	38.9	0	08	46	42.9			
ECOG	E	0	18	13	28.4	E	0	18	13	38.8	0.02	0.2	50	ALB	0	08	46	49.3	0	08	47	01.6			
05 feb 12h 10m 48.0s 36°34'N 03°06'W 7Km rms ±0.5s mb 3.0 S. ADRA												09 feb 23h 38m 43.2s 42°09'N 08°09'W 9Km rms ±0.2s mb 2.7 S. CORTEGADA. OR													
EGUA	I	C	0	12	10	56.6	E	0	12	11	02.7	0.10	0.2	65	ETER	E	0	08	46	50.6	E	0	08	47	02.6
ENIJ	I	D	0	12	11	02.4	E	0	12	11	14.2	0.05	0.2	50	AVN	0	08	46	54.4	0	08	47	09.8		
ECOG	I	D	0	12	11	03.3	E	0	12	11	13.8	0.04	0.3	55	SOR	D	0	08	46	54.8	0	08	47	10.3	
EHUE	E	0	12	11	12.1	E	0	12	11	28.3				EGRA	E	0	08	47	02.2	E	0	08	47	22.3	
EBAN	E	9	12	11	19.8	E	0	12	11	41.3		40													
EPRU	E	0	12	11	40.0																				
EHOR	E	0	12	11	22.7	E	0	12	11	47.7	0.3	50													
EVIA	E	9	12	11	26.8	E	0	12	11	53.8	0.01	0.3	50												
AVE	I	4	12	12	28.0	I	4	12	12	39.5		50													
07 feb 08h 08m 52.2s 36°37'N 02°40'W 3Km rms ±0.7s mb 2.9 SW. ROQUETAS DE MAR												10 feb 18h 35m 50.9s 36°37'N 02°39'W 9Km rms ±0.8s mb 3.1 S. ROQUETAS DE MAR													
ENIJ	I	C	0	08	09	00.8	E	0	08	09	06.8	0.08	0.2	55	ENIJ	E	0	18	35	59.9	E	0	18	36	07.0
EGUA	E	0	08	09	05.7	E	0	08	09	15.1	0.04	0.2	45	EGUA	E	0	18	36	04.6	E	0	18	36	15.2	
ECOG	I	D	0	08	09	10.2	E	0	08	09	23.1	0.04	0.2	65	ECOG	E	0	18	36	09.1	E	0	18	36	21.8
EHUE	E	0	08	09	14.5	E	0	08	09	30.7		45													
EBAN	E	0	08	09	23.9	E	0	08	09	46.4	0.01	0.3	50	EHUE	E	0	18	36	14.2	E	0	18	36	29.9	
EVIA	E	0	08	09	26.6	E	0	08	09	51.5	0.01	0.3	53	EVIA	E	0	18	36	24.0	E	0	18	36	46.9	
EHOR	E	0	08	10	00.5																				
07 feb 17h 51m 38.0s 37°30'N 06°25'W 4Km rms ±0.7s mb 2.7 PATERNA DEL CAMPO.H												10 feb 21h 35m 55.3s 33°07'N 06°51'W 13Km rms ±0.7s mb 3.1 E. EL GARA.MAC													
EVAL	I	D	0	17	51	41.8	E	0	17	51	46.8	0.04	0.2	32	AVE	I	0	21	36	06.0	I	0	21	36	12.0
EHOR	I	D	0	17	51	56.3	E	0	17	52	09.0	0.02	0.2	35	KSB	I	0	21	36	11.0	I	0	21	36	22.5
EPRU	E	0	17	51	58.0	E	0	17	52	12.0	0.2	30	RTC	I	0	21	36	11.0	I	0	21	36	22.5		
ELUQ	E	0	17	52	10.0	E	0	17	52	31.5	0.01	0.2		RBA	I	0	21	36	11.5	I	0	21	36	22.5	
MOE	E	0	17	52	10.0	E	0	17	52	33.0				TAZ	I	0	21	36	13.0	I	0	21	36	25.5	
EPLA	E	0	17	52	50.2	E	0	17	52	50.2				IFR	I	0	21	36	21.0	I	0	21	36	40.0	
08 feb 07h 27m 38.0s 43°11'N 00°39'W rms ±0.6s mb 2.2 NW. OLORON-S.MARIE.FR												11 feb 22h 17m 46.3s 37°05'N 05°00'W 8Km rms ±0.5s mb 2.5 LOS CORRALES.SE													
ELIZ	I	C	0	07	27	49.0	E	0	07	27	59.5	0.2		EPRU	I	D	0	22	17	50.0	E	0	22	17	53.5
BTH	E	0	07	27	49.0									ELUQ	E	0	22	18	00.5	E	0	22	18	10.5	
EPF	E	0	07	27	50.8	0	07	28	02.6					EHOR	E	0	22	18	00.2	E	0	22	18	11.5	
LFF	E	9	07	28	08.9	0	07	28	33.0					EBAN	E	0	22	18	29.0					0.3	
LPO	E	9	07	28	08.4	0	07	28	33.1					EJIF	E	0	22	18	00.5	E	0	22	18	10.0	
08 feb 17h 55m 09.2s 37°29'N 16°10'W rms ±0.7s mb 3.6 ATLANTICO												11 feb 22h 17m 46.3s 37°05'N 05°00'W 8Km rms ±0.5s mb 2.5 LOS CORRALES.SE													
LIS	E	0	17	57	32.0									ECOG	E	0	22	18	06.5	E	0	22	18	23.0	
MTE	E	4	17	57	22.5									EGUA	E	0	22	18	07.0	E	0	22	18	24.0	
PLML	E	0	17	56	32.2	E	4	17	57	37.7															
MOE	E	0	17	56	37.0	E	0	17	57	43.5															
EZAM	E	0	17	58	12.0																				
EVAL	E	0	17	56	54.0	E	0	17	58	12.8	0.02	0.2	123												

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EST I/E W HORA P I/E W HORA S AMP PER DUR

17 feb 18h 34m 12.1s 37°27'N 08°57'W 16Km
rms ±0.5s mb 3.1 SW. CABO SARDAO

FIG I D 0	18 34 29.0	I 0	18 34 43.2			
PLML I C 0	18 34 31.5	I 0	18 34 47.5			
MOE I C 0	18 34 32.5	I 0	18 34 49.0			
LIS E 4	18 34 40.5	I 4	18 35 00.3			
EVAL I C 0	18 34 40.7	E 0	18 35 02.2	0.14	0.2	125
SFS E 0	18 34 49.5					
CNIL E 0	18 34 52.5					
EHOR I C 0	18 34 57.7	E 0	18 35 30.3	0.04	0.2	121
EPRU E 0	18 34 58.5	E 0	18 35 33.4	0.02	0.3	120
MTE E 0	18 35 00.3	E 0	18 35 36.0			
EPLA I C 0	18 35 03.8	E 0	18 35 43.4	0.03	0.3	107
PTO I D 0	18 35 06.6	E 0	18 35 48.2			
ELUQ I D 0	18 35 08.3	E 0	18 35 48.8			110
EBAN I C 0	18 35 13.6	E 0	18 35 59.0			108
PAB I 0	18 35 13.7	I 0	18 36 00.4			
ECOG I C 0	18 35 16.2					112
EGUA I C 0	18 35 17.5	E 0	18 36 04.2	0.01	0.3	108
COI E 4	18 35 18.0	I 0	18 35 27.3			
EZAM I C 0	18 35 20.6	E 0	18 36 13.9			72
GUD I D 0	18 35 23.3	E 0	18 36 18.0		0.3	135
EHUE E 0	18 35 26.2	E 0	18 36 22.3			92
ERUA E 0	18 35 26.8	E 0	18 36 22.5			78
EVIA I D 0	18 35 27.6	E 0	18 36 26.4	0.03	0.4	154
ETOR I D 0	18 35 43.5	E 0	18 36 52.2			165
TIO I 4	18 35 44.4	E 4	18 36 53.0			
ANTZ I 4	18 36 16.0	E 4	18 37 37.3			

19 feb 00h 58m 00.3s 43°04'N 00°18'W 3Km
rms ±0.8s mb 2.8 III-IV E. LOURDES.FR

JAU 0	00 58 01.0					
BTH 0	00 58 01.4	0	00 58 04.0			
OGE 0	00 58 02.5					
ESCF 0	00 58 03.1	0	00 58 06.3			
LHE 0	00 58 04.7					
ATE 0	00 58 04.8					
BDBF E 0	00 58 05.1	E 0	00 58 10.6			
EPF 0	00 58 08.2	0	00 58 14.9			
ENSF I D 0	00 58 09.4					
ELIZ E 0	00 58 17.5	E 0	00 58 28.0	0.04	0.3	30
PON 0	00 58 18.7					
EGRA E 0	00 58 19.5	E 0	00 58 31.3		0.2	35
SOR 0	00 58 23.1					
AVN 0	00 58 26.8					
ECRI E 0	00 58 31.0	E 0	00 58 53.0	0.01	0.2	45
EROQ E 0	00 58 38.4	E 0	00 59 05.0			55
RJF E 0	00 58 40.7					
ETOR E 0	00 58 41.0	E 0	00 59 14.0			70

19 feb 10h 05m 11.2s 42°39'N 00°39'E
rms ±0.3s mb 2.1 BENASQUE.HU

VIH I D 0	10 05 12.9	E 0	10 05 13.7			
PON 0	10 05 15.8	E 0	10 05 19.9	2.00	0.2	
ENSF I D 0	10 05 16.0	E 0	10 05 20.2			
MLS 0	10 05 19.2					
SOR I C 0	10 05 19.2	E 0	10 05 26.1			
SALF 0	10 05 19.5					
EGRA E 0	10 05 20.5	E 0	10 05 27.8		0.2	30

20 feb 11h 46m 09.7s 36°53'N 11°04'W
rms ±0.4s mb 2.9 SW. CABO SAN VICENTE

MOE E 0	11 46 51.0	E 4	11 47 11.0			
EVAL E 0	11 47 02.8	E 0	11 47 42.6		0.3	70
EHOR E 0	11 47 19.3	E 0	11 48 10.5	0.01	0.3	50
EPLA E 0	11 47 23.5	E 0	11 48 19.0		0.3	50
IFR I 0	11 47 35.5	I 4	11 48 36.0			

EST I/E W HORA P I/E W HORA S AMP PER DUR

TIO I 0 11 47 46.5 I 4 11 48 55.5
EVIA E 0 11 47 51.0

20 feb 23h 12m 03.6s 38°04'N 04°21'W
rms ±0.1s mb 2.2 N. MONTORO.CO

EBAN E 0	23 12 12.0	E 0	23 12 18.3		0.2	13
ELUQ E 0	23 12 13.0	E 0	23 12 20.0		0.2	14
EHOR E 0	23 12 17.5	E 0	23 12 27.5		0.2	18

21 feb 11h 22m 48.3s 36°35'N 08°36'W 41Km
rms ±0.7s mb 3.5 SE. CABO SAN VICENTE

FAR I 0	11 23 01.6	I 0	11 23 10.5			
FIG I 0	11 23 02.8	I 0	11 23 12.5			
EVAL I C 0	11 23 15.6	E 0	11 23 35.2	0.22	0.3	180
MOE I C 0	11 23 18.0	I 0	11 23 39.0			
PLML I C 0	11 23 19.0	I 0	11 23 41.0			
CNIL I 0	11 23 20.8					
LIS E 0	11 23 22.2	E 0	11 23 46.2			
CPS I 0	11 23 24.0	I 0	11 23 49.0			
PLAT I 0	11 23 24.4					
ALJ I 0	11 23 25.0					
TSY I 0	11 23 25.5	I 0	11 23 51.5			
BIT I 0	11 23 26.2	E 0	11 23 54.0			
LIJA I 0	11 23 27.2					
EPRU I D 0	11 23 29.3	E 0	11 23 59.8	0.04	0.4	210
RSA I 4	11 23 31.0	E 0	11 24 00.5			
EHOR I D 0	11 23 31.5	E 0	11 24 03.8	0.05	0.2	150
AVE I 0	11 23 39.0	I 0	11 24 16.0			
MAL E 0	11 23 39.0	E 0	11 24 15.8			170
ELUQ I D 0	11 23 40.7	E 0	11 24 21.0	0.05	0.2	110
COI E 0	11 23 41.0	I 0	11 24 20.0			
TGT I 0	11 23 43.2	I 0	11 24 25.2			
MTE I C 0	11 23 45.0	I 4	11 24 25.0			
EPLA I C 0	11 23 45.7	E 0	11 24 29.2	0.04	0.2	150
EGUA E 0	11 23 47.1	E 0	11 24 31.0	0.04	0.3	110
EBAN I D 0	11 23 48.1	E 0	11 24 32.9	0.04	0.2	130
ECOG E 0	11 23 48.6	E 0	11 24 33.6			190
IFR I 0	11 23 49.5	I 0	11 24 33.5			170
TZK I 0	11 23 50.0	I 4	11 24 37.0			
KSB I 0	11 23 53.0	I 0	11 24 41.2			
PTO E 0	11 23 53.7	E 0	11 24 42.0			
CLZ I 0	11 23 55.0	I 0	11 24 43.0			
TAZ I 0	11 23 56.5	I 0	11 24 46.0			
EHUE I C 0	11 23 59.0	E 0	11 24 52.2	0.02	0.2	100
JHA I 0	11 23 59.5	I 0	11 24 51.5			
ENIJ E 0	11 24 02.2	E 0	11 24 59.0			90
EVIA I C 0	11 24 02.9	E 0	11 24 59.8	0.05	0.3	180
GUD I C 0	11 24 04.5	E 0	11 25 02.0	0.02	0.3	160
OUK I 0	11 24 05.5	I 0	11 25 03.5			
EZAM I D 0	11 24 07.8	E 0	11 25 07.0	0.02	0.2	140
ERUA I D 0	11 24 12.0	E 0	11 25 16.4			150
STS E 0	11 24 17.2	E 0	11 25 25.1			150
ETOR I D 0	11 24 22.3	E 0	11 25 31.8			150
EMON E 0	11 24 25.9	E 0	11 25 40.2	0.04	0.3	145
ECRI E 0	11 24 35.7	E 0	11 25 55.0			170
BTH 4	11 24 59.2	4	11 26 40.5			170
TIO I 4	11 24 70.0	I 4	11 26 11.0			170
ANTZ I 4	11 24 44.5	I 4	11 26 10.0			170

21 feb 11h 38m 17.3s 36°37'N 08°35'W 41Km
rms ±0.8s mb 3.6 SE. CABO SAN VICENTE

FAR I 0	11 38 30.2	I 0	11 38 39.5			
FIG I 0	11 38 31.7	I 0	11 38 41.3			
EVAL I C 0	11 38 44.4	E 0	11 39 03.6	0.18	0.2	180
MOE I C 0	11 38 46.6	I 0	11 39 08.0			
PLML I D 0	11 38 48.0	I 0	11 39 10.0			
CNIL I 0	11 38 50.0					
LIS E 0	11 38 50.4	E 0	11 39 13.3			
PLAT I 0	11 38 53.0					
CPS I 0	11 38 53.0	I 0	11 39 17.0			

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EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
25 feb 09h 13m 28.7s 42°32'N 00°33'E rms ±0.5s mb 1.9 BENASQUE.HU								
VIH	E	0	09 13 32.2					
PON	E	0	09 13 32.7					
SOR	E	0	09 13 36.8	E 0	09 13 43.2			
EGRA	E	0	09 13 36.8	E 0	09 13 40.2		0.3	
27 feb 13h 41m 16.2s 41°08'N 06°10'W 12Km rms ±0.5s mb 2.8 VILLASECO DE REYES.SA								
EPLA	I C 0	13 41 35.4		E 0	13 41 49.2	0.03	0.2	55
MTE	I C 0	13 41 38.5		E 0	13 41 55.5			
ERUA	I D 0	13 41 40.6		E 0	13 41 58.7	0.01	0.3	30
GUD	I C 0	13 41 44.6		E 0	13 42 03.0			0.2 35
EMON	E	0	13 41 55.0	E 0	13 42 24.3		0.3	45
ECRI	E	0	13 42 04.0					60
01 mar 04h 24m 43.8s 36°15'N 08°13'W rms ±0.6s mb 2.9 SW.FARO								
FIG	E	0	04 25 00.0	E 4	04 25 21.0			
FAR					04 25 08.8			
MOE	E	0	04 25 18.5	I 0	04 25 44.0			
EEVAL	E	0	04 25 12.5	E 0	04 25 30.5	0.03	0.2	43
EHOR	E	0	04 25 26.5	E 0	04 25 58.0		0.3	50
TIO	I	0	04 26 00.5		04 26 57.5			
01 mar 18h 06m 34.3s 36°09'N 07°30'W rms ±0.9s mb 2.8 SE.FARO								
FIG	E	0	18 06 51.0	I 4	18 07 01.0			
EEVAL	E	0	18 07 00.2	E 0	18 07 16.0	0.02	0.2	35
EHOR	E	0	18 07 10.0	E 0	18 07 40.0		0.3	45
ELUQ	E	0	18 07 16.8	E 0	18 07 51.0		0.3	45
ECOG	E	0	18 07 24.5	E 0	18 08 02.0			50
EVIA	E	0	18 07 41.4	E 0	18 08 32.0			65
02 mar 01h 11m 44.8s 38°00'N 04°21'W 3Km rms ±0.7s mb 3.5 VILLA DEL RIO.CO								
ELUQ	E	0	01 11 53.6	E 0	01 11 59.4	0.20	0.2	60
EBAN	E	0	01 11 53.6	E 0	01 12 00.8	0.14	0.2	75
EHOR	E	0	01 11 56.9	E 0	01 12 06.7	0.15	0.2	76
ECOG	E	0	01 12 02.7	E 0	01 12 15.5	0.03	0.3	45
EPRU	E	0	01 12 07.4	E 0	01 12 24.7			
EHUE	E	0	01 12 09.6	E 0	01 12 27.6	0.04	0.2	62
EVIA	E	0	01 12 10.9	E 0	01 12 33.8	0.08	0.2	80
EEVAL	E	0	01 12 19.0	E 0	01 12 42.6			24
EPLA	E	9	01 12 29.0	E 0	01 12 59.0			57
GUD	E	0	01 12 27.5	E 0	01 12 59.1	0.01	0.3	55
02 mar 23h 48m 50.5s 43°08'N 00°15'W 3Km rms ±0.7s mb 2.8 III S. OLORON-S.MARIE.FR								
JAU		0	23 48 51.4					
BTH	I C 0	23 48 51.5		4	23 49 00.8			
OGE		0	23 48 52.8		23 48 55.5			
BDBF	E	0	23 48 56.2		23 49 00.8			
EPF		0	23 48 58.5		23 49 04.1			
ENSF	I D 0	23 48 59.7		4	23 49 11.5			
VIH		0	23 49 07.7		23 49 20.0			
ELIZ	E	0	23 49 08.5	E 0	23 49 19.5		0.2	45
PON		0	23 49 09.4					
EGRA	E	0	23 49 09.0	E 0	23 49 23.7		0.2	31
SOR		0	23 49 13.2					
AVN		0	23 49 16.9					

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
03 mar 06h 33m 36.5s 38°32'N 07°59'W 9Km rms ±0.6s mb 2.9 II-III S. EVORA.PORT								
ECRI	E	0	23 49 21.9	E 0	23 49 44.0	0.02	0.2	47
LPO		4	23 49 25.8		23 49 51.6			
LFP		0	23 49 27.3		23 49 53.5			
BRU		4	23 49 28.2		23 49 56.6			
FONT		0	23 49 31.3		23 50 06.0			
03 mar 08h 39m 36.8s 36°38'N 08°34'W 47Km rms ±0.7s mb 3.5 SE. CABO S. VICENTE								
FIG	I D 0	08 39 50.5		I 0	08 40 01.3			
FAR				E 0	08 39 59.0			
EEVAL	E	0	08 40 03.8	E 0	08 40 22.5	0.07	0.3	110
MOE	I D 0	08 40 06.0		I 0	08 40 28.0			
PLML	I D 0	08 40 07.0		I 0	08 40 29.5			
LIS	E	0	08 40 10.6	I 0	08 40 35.2			
CNLI	I	4	08 40 12.5					
PLAT	I	0	08 40 13.0					
TSY	I	0	08 40 14.0	E 0	08 40 41.5			
LIJA	I	0	08 40 15.0					
BIT	I	0	08 40 15.0	E 0	08 40 43.0			
EJIF	E	0	08 40 15.0	E 0	08 40 42.0		0.3	73
EPRU	E	0	08 40 18.8	E 0	08 40 47.0	0.02	0.3	85
EHOR	E	0	08 40 19.5	E 0	08 40 52.0	0.02	0.2	120
AVE	I	0	08 40 27.0	I 0	08 41 04.0			
ELUQ	E	0	08 40 29.0	E 0	08 41 09.0	0.02	0.2	75
TGT	I	0	08 40 32.5	E 0	08 41 14.5			
MTE	E	0	08 40 32.5	E 0	08 41 13.5			
EPLA	E	0	08 40 34.0	E 0	08 41 17.7	0.04	0.3	123
EGUA	E	0	08 40 36.0	E 0	08 41 19.0	0.02	0.3	96
ECOG	E	0	08 40 37.1	E 0	08 41 20.0	0.03	0.3	80
EBAN	E	0	08 40 36.1	E 0	08 41 20.0	0.04	0.2	96
PTO	I D 0	08 40 42.0		E 0	08 41 29.2			
TAZ	I	0	08 40 45.5	I 0	08 41 36.0			
EVIA	E	0	08 40 51.0	E 0	08 41 48.0	0.02	0.2	117
GUD	E	0	08 40 52.5	E 0	08 41 50.0		0.3	
TIO	I	0	08 40 59.5	I 0	08 42 00.0			
COI	E	4	08 41 01.0	I 0	08 41 08.2			
ANTEZ	I	0	08 41 32.5	I 0	08 42 58.0			
03 mar 11h 49m 41.1s 42°28'N 08°54'W 3Km rms ±0.6s mb 2.9 O GROVE.PO								
EZAM	I D 0	11 49 47.7		E 0	11 49 52.8	0.05	0.2	50
STS	I	0	11 49 50.0	E 0	11 49 55.5	0.04	0.2	65
ERUA	E	0	11 50 05.1	E 0	11 50 23.0	0.02	0.2	50
PTO	I	0	11 50 05.5	E 0	11 50 22.9			
MTE	E	0	11 50 18.0		11 50 52.5			
EPLA	E	0	11 50 32.6	E 0	11 51 09.0			80
GUD	E	0	11 50 43.0	E 0	11 51 26.8			90
04 mar 20h 33m 30.0s 36°43'N 08°26'W 59Km rms ±0.8s mb 3.2 SW. FARO								
FAR	E	0	20 33 41.0	E 0	20 33 50.0			
FIG	E	0	20 33 42.5	I 0	20 33 52.5			
EEVAL	E	0	20 33 57.0	E 0	20 34 14.0	0.05	0.2	100
MOE	I D 0	20 33 57.5		I 0	20 34 20.5			
PLML	E	0	20 33 58.0	I 0	20 34 21.5			
AVE	I	0	20 34 19.5	I 0	20 34 56.0			

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I.G.N.

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
07 mar 03h 17m 18.8s 35°57'N 01°52'E rms ±1.0s mb 5.1 NW. TENIET-EL-HAAD.ARG								
ACU E	0	03	18	06.8	E 0	03	18	45.0 0.13 0.4 200
EALH E	0	03	18	08.5	E 0	03	18	48.8 0.03 0.3 220
ENIJ E	0	03	18	11.0	E 0	03	18	52.3 0.11 0.3 240
ESEL E	0	03	18	17.4	E 0	03	19	04.7 0.08 0.4 110
EMEL E	0	03	18	18.2	E 0	03	19	05.0 0.02 0.5 180
EHUE E	0	03	18	19.9	E 0	03	19	06.5 0.06 0.4 200
VIV E	0	03	18	20.7	E 0	03	19	05.5
FIG					I 4	03	19	11.6
ECHE E	0	03	18	23.6	E 0	03	19	12.3 0.13 0.4 230
EGUA E	0	03	18	25.0	E 0	03	19	16.3 0.09 0.5 200
EVIA E	0	03	18	25.2	E 0	03	19	15.8 0.23 0.4 250
ACU I C	0	03	32	19.9	E 0	03	32	53.8 0.05 0.4 120
EALH E	0	03	32	21.4	E 0	03	32	58.0 0.02 0.4 180
ENIJ I C	0	03	32	23.6	E 0	03	33	02.9 0.09 0.4 217
ESEL I C	0	03	32	29.3	E 0	03	33	13.2 0.02 0.5 190
EMEL I D	0	03	32	31.6	E 0	03	33	17.9 147
EHUE I D	0	03	32	32.3	E 0	03	33	16.9 0.01 0.4 147
ECHE E	0	03	32	36.9	E 0	03	33	22.6 0.05 0.3 205
EGUA I D	0	03	32	37.8	E 0	03	33	29.7 0.03 0.4 202
EVIA E	0	03	32	38.0	E 0	03	33	25.0 0.10 0.4 202
ECOG I C	0	03	32	40.2	E 0	03	33	29.4 0.02 0.4 200
EROQ E	0	03	32	45.9	E 0	03	33	38.9 0.02 0.4 199
MAL E	0	03	32	46.0				
EBR E	0	03	32	46.0	E 0	03	33	41.0
EBAN E	0	03	32	46.3	E 0	03	33	42.2 0.3 172
ELUQ I D	0	03	32	49.1	E 0	03	33	46.4 0.01 0.3 131
EPRU I C	0	03	32	57.4				122
EJIF E	0	03	32	58.6				
EHOR I D	0	03	32	58.7	E 0	03	34	05.8 163
ETOR					E 0	03	33	58.3 0.01 0.3 250
LIJA I	0	03	33	01.0				
TGT E	0	03	33	02.0				
ALJ I	0	03	33	03.0				
PAB	0	03	33	03.0	0	03	34	05.0
CNIL E	0	03	33	04.0				
ETER E	0	03	33	04.3				
EGRA I D	0	03	33	04.8	E 0	03	34	11.6 0.01 0.4 118
GUD E	0	03	33	09.9	E 0	03	34	20.8 185
EPLA I C	0	03	33	20.5				180
EPF	4	03	33	18.1				
LMR	0	03	33	29.6	0	03	34	55.2
LRG	0	03	33	31.1	0	03	34	58.2
FRF	0	03	33	33.7				
LPO	0	03	33	37.4				

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
07 mar 07h 40m 01.5s 36°57'N 02°29'W 2Km rms ±0.4s mb 2.9 S. GADOR.AL								
ENIJ E	0	07	40	05.0	0	07	40	08.3 75
EHUE E	0	07	40	17.0	0	07	40	28.8 0.04 0.1 40
EGUA E	0	07	40	18.1	0	07	40	29.3 0.06 0.4 65
ECOG E	0	07	40	18.3	0	07	40	31.0 0.04 0.2 60
ELUQ E	0	07	40	28.9	0	07	40	48.8 0.02 0.3 50
EVIA E	0	07	40	31.5	0	07	40	52.8 0.05 0.3 70

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
08 mar 15h 39m 48.5s 37°23'N 03°35'W 9Km rms ±0.6s mb 2.5 S. BENALUA DE VILLAS.GR								
ECOG I D	0	15	39	49.5	E 0	15	39	53.0 0.18 0.2 60
EGUA E	0	15	39	59.0	E 0	15	40	06.9 0.01 0.2 45
EBAN E	0	15	40	04.0	E 0	15	40	15.0 0.3 30
EHOR E	0	15	40	12.3	E 0	15	40	30.5 0.01 0.3 35
EVIA E	0	15	40	14.1	E 0	15	40	33.8 0.01 0.3 55

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
09 mar 01h 50m 51.1s 36°58'N 04°39'W 14Km rms ±0.8s mb 2.3 S. ANTEQUERA.MA								
EPRU					E 0	01	51	08.2 0.3
ELUQ E	0	01	51	03.0	E 0	01	51	13.0
EJIF E	0	01	51	05.2	E 0	01	51	17.8 20
EHOR E	0	01	51	07.5	E 0	01	51	21.0 25
ECOG E	0	01	51	08.0	E 0	01	51	21.0 0.2 24
EGUA E	0	01	51	06.6	E 0	01	51	18.2
EBAN E	0	01	51	15.6	E 0	01	51	32.0 0.2 30

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
09 mar 23h 59m 58.6s 37°50'N 01°22'W 2Km rms ±0.8s mb 2.9 II ALHAMA DE MURCIA.MU								
EALH I C	0	23	59	58.0				
EHUE E	0	00	00	15.7	E 0	00	00	30.6 0.03 0.3 55
ACU I D	0	00	00	16.4	E 0	00	00	32.2 50
ENIJ I C	0	00	00	18.0	E 0	00	00	32.5 0.05 0.3 70
EVIA E	0	00	00	19.7	E 0	00	00	36.4 0.13 0.2 126
ECHE E	0	00	00	28.2	E 0	00	00	53.0 0.03 0.3 80
EBAN I C	0	00	00	30.7	E 0	00	00	55.9 0.02 0.3 55
ECOG E	0	00	00	31.1	E 0	00	00	54.0 0.03 0.3 104
EGUA E	0	00	00	33.0	E 0	00	00	58.7 0.01 0.4 60
ELUQ I C	0	00	00	36.3	E 0	00	01	05.5
EHOR E	0	00	00	45.7	E 0	00	01	22.0 0.02 0.3 63
ETOR	0	00	00	46.7	E 0	00	01	23.1 0.01 0.4 110
EPRU E	4	00	00	51.4	E 4	00	01	29.7
GUD E	4	00	00	56.5	4	00	01	38.0 0.01 0.3 90

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
11 mar 22h 23m 25.4s 36°29'N 05°59'W rms ±0.8s mb 2.1 MEDINA SIDONIA.CA								
ALJ I	0	22	23	31.7				
CNIL I	0	22	23	32.6				
PLAT I	0	22	23	33.4				
EJIF E	0	22	23	34.8	E 0	22	23	42.0 0.2 30
LIJA E	0	22	23	37.5				

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
12 mar 05h 44m 13.6s 37°24'N 02°18'W 2Km rms ±0.5s mb 3.0 NE. OLULA DEL RIO.AL								
ENIJ I D	0	05	44	21.5	E 0	05	44	26.7 0.10 0.2 40

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
07 mar 03h 31m 33.2s 36°06'N 01°46'E rms ±1.0s mb 4.6 TENIET-EL-HAAD.ARG								
ACU I C	0	03	32	19.9	E 0	03	32	53.8 0.06 0.4 120
ENIJ I C	0	03	32	23.6	E 0	03	33	02.9 0.04 0.5 217
ESEL I C	0	03	32	29.3	E 0	03	33	10.2 0.08 0.5 190
EMEL I D	0	03	32	31.6	E 0	03	33	17.9 147
EHUE I D	0	03	32	32.3	E 0	03	33	16.9 0.03 0.5 147
ECHE E	0	03	32	36.9	E 0	03	33	22.6 0.04 0.3 205
EGUA I D	0	03	32	37.8	E 0	03	33	29.7 0.06 0.4 202
ECOG I C	0	03	32	40.2	E 0	03	33	29.4 0.08 0.4 200
EROQ E	0	03	32	45.9	E 0	03	33	38.9 0.03 0.4 199
MAL E	0	03	32	46.0				
EBR E	0	03	32	46.0	E 0	03	33	41.0
EBAN E	0	03	32	46.3	E 0	03	33	42.2 0.01 0.3 172
ELUQ I D	0	03	32	49.1	E 0	03	33	46.4 0.02 0.3 131
EPRU I C	0	03	32	57.4	E 4	03	34	05.5 0.04 0.7 122
EJIF E	0	03	32	58.6	E 4	03	34	01.5
EHOR I D	0	03	32	58.7	E 0	03	34	05.8 163
ETOR E	4	03	33	00.3	E 0	03	33	58.3 0.3 250
LIJA I	0	03	33	01.0				
TGT E	0	03	33	02.0				
ALJ I	0	03	33	03.0				
CNIL E	0	03	33	04.0				
ETER E	0	03	33	04.3	E 0	03	34	10.9
EGRA I D	0	03	33	04.8	E 0	03	34	11.6 118
GUD E	0	03	33	09.9	E 0	03	34	20.8 185
EPLA I C	0	03	33	20.5	E 0	03	34	43.2 180

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EHUE	I	D	0 05 44 21.0	E 0	05 44 28.9	0.03	0.2	35
EALH	E		0 05 44 28.5	E 0	05 44 41.0	0.01	0.3	28
ECOG	I	D	0 05 44 32.0	E 0	05 44 46.4	0.03	0.3	70
EGUA	I	C	0 05 44 34.3	E 0	05 44 51.1	0.01	0.2	53
EVIA	I	D	0 05 44 36.2	E 0	05 44 52.9	0.05	0.3	65
EBAN	E		0 05 44 38.9	E 0	05 44 57.7	0.02	0.2	30
ELUQ	E		0 05 44 43.0	E 0	05 45 01.0			
EHOR	E		0 05 44 52.1	E 0	05 45 22.2	0.01	0.3	50
EPRU	E		4 05 44 58.9	E 4	05 45 17.0			
ECHE	E		4 05 44 58.5	E 0	05 45 22.8			
GUD	E		0 05 45 09.1	E 4	05 45 45.0			

12 mar 17h 37m 02.3s 37°10'N 03°25'W
rms ±0.4s mb 2.6 GUEJAR SIERRA.GR

ECOG	E		0 17 37 05.8	E 0	17 37 09.0	0.09	0.2	50
EGUA	I	C	0 17 37 08.4	E 0	17 37 14.0	0.04	0.2	45
EHUE	E		0 17 37 19.5	E 0	17 37 30.5			27
ENIJ	E		0 17 37 20.5	E 0	17 37 33.5		0.3	30

13 mar 11h 17m 00.1s 43°21'N 00°35'W 3Km
rms ±0.9s mb 2.5 PAU.FR

BTH	I	C	0 11 17 04.8	I 0	11 17 11.6			
EPF			0 11 17 12.3	0	11 17 23.3			
EGRA	E		0 11 17 24.5	0	11 17 44.0			0.3
ECRI	E		0 11 17 28.2	0	11 17 49.0			
LPO			0 11 17 30.9	0	11 17 55.4			
LFF			0 11 17 31.3	0	11 17 56.4			

13 mar 11h 36m 15.7s 47°39'N 02°41'W 24Km
rms ±1.0s mb 3.9 ST.NAZAIRE.FR

LPF			0 11 36 36.8	E 0	11 36 50.0			
MFF			4 11 36 46.8					
LSF			0 11 37 02.1					
LFF			0 11 37 07.4					
TCF			0 11 37 07.8					
RJF			0 11 37 08.8					
ELIZ	E		0 11 37 22.0			0.06	0.2	272
BTH	I	D	4 11 37 22.8					
ECRI	E		0 11 37 29.0	E 0	11 38 23.0	0.03	0.3	180
EMON	E		0 11 37 32.9	E 0	11 38 29.2	0.06	0.2	135
EGRA	E		0 11 37 40.8	E 0	11 38 43.8	0.06	0.4	270
ERUA	E		0 11 37 44.2	E 0	11 38 50.0			125
BRU			4 11 37 44.8					
STS	E		0 11 37 45.8	E 0	11 38 53.3	0.03	0.3	130
AVN			0 11 37 46.7					
ETOR	E		0 11 37 53.8	E 0	11 39 04.7	0.02	0.4	298
ETER	I	D	0 11 37 52.1	E 0	11 39 02.6	0.04	0.4	160
EZAM	E		0 11 37 54.7	E 0	11 39 07.9			
OLT			4 11 37 54.0					
GUD	E		0 11 37 56.5	E 0	11 39 13.0			189
EROQ	E		0 11 37 58.3	E 0	11 39 14.0	0.02	0.5	163
EPLA	E		0 11 38 08.0	E 0	11 39 32.6			140
MTE	E		0 11 38 09.5	E 4	11 39 37.0			
EBR	E		4 11 38 27.0					
MOE				E 0	11 40 20.0			

14 mar 00h 23m 44.8s 43°11'N 00°12'W
rms ±0.9s mb 2.4 W. LOURDES.FR

BTH	I	D	0 00 23 45.3					
AVN			0 00 24 11.3	0	00 24 31.9			
EPF			0 00 23 51.8	0	00 23 58.4			
ELIZ	E		0 00 24 04.0					
ECRI				E 0	00 24 37.0		0.2	

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
14 mar			17h 26m 36.2s		43°04'N 00°11'E			5Km
			rms ±0.8s		mb 2.8			S. BAGNERES BIGORRE.FR
BDBF			0 17 26 37.1	0	17 26 38.8			
EPF			0 17 26 38.4	E 0	17 26 40.8			
BTH			0 17 26 40.3	E 0	17 26 45.0			
ENSF			0 17 26 40.4	0	17 26 44.4			
VIH			0 17 26 47.2	0	17 26 56.0			
AVN			0 17 26 58.3	0	17 27 16.3			
GRBF			0 17 26 56.0					
ELIZ	E		0 17 27 00.5	E 0	17 27 16.5	0.02	0.3	
ECRI	E		0 17 27 09.5	E 0	17 27 36.0			
CAF			0 17 27 11.6					

14 mar 23h 00m 39.2s 37°00'N 05°30'W 10Km
rms ±0.6s mb 2.1 E. MONTELLANO.SE

EPRU	E		0 23 00 43.1	E 0	23 00 46.1	0.01	0.3	20
EJIF	E		0 23 00 50.5	E 0	23 00 57.2			40
EHOR	E		0 23 00 54.5	E 0	23 01 05.4			30
EVAL	E		0 23 00 59.0	E 0	23 01 15.4		0.3	30
ECOG	E		0 23 01 05.5	E 0	23 01 25.4			40
ELUQ	E		0 23 01 00.5	E 0	23 01 16.0			30

14 mar 23h 32m 52.7s 42°44'N 03°25'E 2Km
rms ±0.3s mb 2.6 E. PERPIGNAN.FR

PERF			0 23 33 00.9					
ETER	I	D	0 23 33 03.5	E 0	23 33 11.6	0.02	0.2	
MTHF			0 23 33 05.4					
VDCF			0 23 33 06.5					
OLT			0 23 33 09.1	0	23 33 21.7			
BRU			0 23 33 10.6					
SQD			0 23 33 11.0	0	23 33 24.4			
TRGS			0 23 33 12.5					
FONT			0 23 33 15.3	0	23 33 31.5			
MLS			4 23 33 25.5	E 0	23 33 45.0			
EPF			9 23 33 34.8	0	23 34 01.6			
LRG			0 23 33 29.8					
MAF			0 23 33 47.0					

15 mar 11h 42m 57.9s 40°43'N 00°34'E 2Km
rms ±0.2s mb 2.5 AMPOSTA.T

EBR	E		0 11 43 00.0	E 0	11 43 02.0			
EROQ	I	C	0 11 43 00.9	E 0	11 43 03.5	0.05	0.2	40
EGRA	E		0 11 43 25.0	E 0	11 43 44.0			38
ETOR	E		9 11 43 36.2	E 0	11 44 01.5			37

17 mar 09h 51m 52.0s 43°04'N 00°09'E 7Km
rms ±0.9s mb 2.4 STE-GAUDENS.FR

BDBF	I	C	0 09 51 53.5	8 0	09 51 55.2			
BTH	I	C	0 09 51 54.0					
EPF			0 09 51 54.6	0	09 51 57.3			
ENSF	I	D	0 09 51 56.6	E 0	09 52 00.7			
VIH			0 09 52 03.5	0	09 52 11.5			
PON			0 09 52 05.9					
SALF	I	C	0 09 52 06.2					
EGRA				E 0	09 52 20.8			0.2
AVN			0 09 52 14.6	0	09 52 33.1			
LPO			0 09 52 22.7					

18 mar 00h 56m 39.4s 36°15'N 04°45'W
rms ±0.5s mb 2.8 ALBORAN

MAL	I	D	0 00 56 49.0	I 0	00 56 56.4			35
EJIF	E		0 00 56 49.5	E 0	00 56 59.0	0.04	0.3	57
EPRU	E		0 00 56 55.1	E 0	00 57 05.0	0.03	0.5	38

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR	EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR								
EGUA	E	0	00 56 59.3	E 0	00 57 14.6	0.01	0.2	45	EVIA	E	0	14 34 19.5	E 0	14 34 36.0	0.01	0.3	35								
ELUQ	E	0	00 57 04.9	E 0	00 57 23.5	0.03	0.3	50	ENIJ	E	0	14 34 21.0	E 0	14 34 36.5			28								
EHOR	E	0	00 57 08.2	E 0	00 57 29.0			38	EHOR	E	0	14 34 25.9					30								
ECOG	E	0	00 57 05.0																						
18 mar 19h 49m 20.6s 37°05'N 03°51'W 23Km rms ±0.1s mb 2.5 AGRON.GR									20 mar 23h 51m 53.6s 41°15'N 07°31'W 10Km rms ±0.3s mb 3.2 III-IV TORRE MONCORVO.PORT																
EGUA	E	0	19 49 28.0	E 0	19 49 32.8	0.04	0.2	35	PTO	I C 0	23 52 08.4	I 0	23 52 18.6												
ECOG	I	0	19 49 27.2	E 0	19 49 32.3	0.06	0.2	40	MTE	I D 0	23 52 08.8	I 0	23 52 20.4												
ELUQ	E	0	19 49 31.5	E 0	19 49 40.0			45	ERUA	I D 0	23 52 14.4	E 0	23 52 30.1	0.03	0.2	75									
19 mar 03h 10m 23.8s 36°41'N 02°51'W rms ±0.5s mb 2.6 SE.ADRA									EZAM									I D 0	23 52 16.3	E 0	23 52 33.0	0.05	0.3	65	
EGUA	E	0	03 10 34.4	E 0	03 10 43.0	0.02	0.2	40	COI	I C 0	23 52 16.4	I 0	23 52 32.4												
ENIJ	E	0	03 10 34.5	E 0	03 10 43.0	0.02	0.2	35	EPLA	I D 0	23 52 20.8	E 0	23 52 41.4	0.07	0.2	99									
ECOG	E	0	03 10 40.0	E 0	03 10 49.5	0.01	0.3	30	STS	E 0	23 52 23.4	E 0	23 52 45.4	0.04	0.3	80									
19 mar 09h 53m 06.5s 43°09'N 01°11'W 3Km rms ±0.6s mb 2.5 SE. BAYONNE.FR									GUD									E 0	23 52 34.8	E 0	23 53 05.5	0.03	0.2	155	
BOH	E	0	09 53 08.4						MOE	E 0	23 52 38.0	I 0	23 53 10.0												
ELIZ	E	0	09 53 11.0	E 0	09 53 14.0	0.02	0.2	55	PAB	4	23 52 44.0														
MADF	E	0	09 53 11.4	E 0	09 53 16.1				EVAL	I C 0	23 52 49.8	E 0	23 53 31.5	0.02	0.3	55									
ISSF	E	0	09 53 11.4	E 0	09 53 16.0				EHOR	I D 0	23 52 51.4	E 0	23 53 35.1				90								
ATE	E	0	09 53 13.3	E 0	09 53 17.8				ECRI	E 0	23 52 53.0	E 4	23 53 14.2			0.2	99								
ESCF	E	0	09 53 14.7	E 0	09 53 20.4				ETOR	E 0	23 52 57.2	E 4	23 53 10.2	0.02	0.3	160									
OGE	E	0	09 53 16.2						PLML	0	23 53 12.0														
JAU	E	0	09 53 17.3	E 0	09 53 25.9				LIS	E 4	23 53 22.0														
BTH	I D 0	0	09 53 20.1	E 0	09 53 30.0				21 mar 08h 17m 38.1s 37°06'N 03°33'W 2Km rms ±0.5s mb 2.9 SE. ZUBIA.GR																
ECRI	E	0	09 53 27.5	E 0	09 53 41.5	0.02	0.3	40	ECOG	I C 0	08 17 39.7	E 0	08 17 44.4				80								
EPF	E	0	09 53 28.7	E 0	09 53 41.3				EGUA	I C 0	08 17 42.6	E 0	08 17 47.4	0.08	0.2	80									
EGRA	E	0	09 53 33.2	E 0	09 53 53.0			50	ELUQ	E 0	08 17 52.0	E 0	08 18 01.6	0.02	0.2	60									
ETOR	E	0	09 53 46.0	E 0	09 54 15.0			55	ENAL	0	08 17 52.0	E 0	08 18 01.8	0.02	0.2	60									
EROQ	E	0	09 53 49.5	E 0	09 54 22.0			70	ENIJ	E 0	08 17 57.5	E 0	08 18 12.2	0.01	0.3	65									
RJF	E	0	09 53 52.3						EBAN	E 0	08 17 58.0	E 0	08 18 12.5			0.2	45								
20 mar 11h 51m 03.3s 38°39'N 07°58'W 10Km rms ±0.6s mb 2.8 NW. EVORA.PORT									EHUE									E 0	08 17 57.0	E 0	08 18 11.1			0.2	56
MOE	I C 0	11 51 08.5	I 0	11 51 14.8					EHOR	E 0	08 18 06.0	E 0	08 18 25.0				55								
PLML	I C 0	11 51 16.0	I 0	11 51 27.5					EPRU	E 0	08 18 03.0	E 0	08 18 21.2				50								
EVAL	E 0	11 51 28.5	E 0	11 51 45.9	0.01	0.3	55	EJIF	E 0	08 18 07.8	E 0	08 18 29.8				70									
MTE	E 4	11 51 49.5							EVIA	E 0	08 18 08.3	E 0	08 18 30.8	0.02	0.3	70									
EPLA	E 0	11 51 36.3	E 4	11 51 57.5	0.2	50			EVAL	E 0	08 18 20.0	E 0	08 18 50.7				60								
EHOR	E 0	11 51 40.0	E 0	11 52 07.4	0.01	0.3	50		GUD	E 0	08 18 33.8	E 0	08 19 14.5				75								
GUD	E 0	11 51 58.5	E 0	11 52 37.0			55		ETOR	E 0	08 18 38.0	E 0	08 19 23.3				80								
EVIA	E 0	11 52 06.6	E 4	11 52 52.7			60	21 mar 09h 55m 26.3s 37°05'N 03°33'W 3Km rms ±1.0s mb 2.9 W. ZUBIA.GR																	
ETOR	E 0	11 52 19.0	E 0	11 53 14.0			45	ECOG	I D 0	09 55 28.3	E 0	09 55 30.9					50								
20 mar 14h 01m 12.3s 37°31'N 06°10'W 3Km rms ±0.9s mb 2.4 N. EL RONQUILLO.SE									EGUA									I C 0	09 55 30.6	E 4	09 55 37.6	0.08	0.2	75	
EVAL	E 0	14 01 19.3	E 0	14 01 26.5	0.01	0.3	35	MAL	E 0	09 55 39.5	E 0	09 55 51.2													
EHOR	E 0	14 01 26.0	E 0	14 01 37.3			0.2	30	ELUQ	I C 0	09 55 40.0	E 0	09 55 50.6	0.05	0.2	75									
FIG	E 0	14 01 38.5	E 0	14 01 57.0					EHUE	I D 0	09 55 47.0	E 4	09 56 03.9	0.02	0.3	80									
MOE	E 0	14 01 47.0	E 0	14 02 12.0					ENIJ	I C 0	09 55 45.4	E 0	09 56 01.7	0.03	0.4	85									
20 mar 14h 33m 58.6s 37°41'N 03°23'W 6Km rms ±0.5s mb 2.5 N. HUELMA.J									EBAN									I D 0	09 55 46.4	E 0	09 56 01.3				
ECOG	E 0	14 34 05.7	E 0	14 34 13.0	0.02	0.3	27	EPRU	I D 0	09 55 53.4	E 4	09 56 15.4					60								
EBAN	E 0	14 34 08.7					52	EJIF	E 4	09 55 59.4							75								
EHUE	E 0	14 34 10.2	E 0	14 34 19.8			28	21 mar 10h 01m 40.6s 37°05'N 03°32'W 2Km rms ±0.6s mb 3.3 III W. ZUBIA.GR																	
ELUQ	E 0	14 34 12.0	E 0	14 34 21.4	0.01	0.3	25	ECOG	I C 0	10 01 43.0	E 0	10 01 47.0					148								
EGUA	E 0	14 34 14.0	E 0	14 34 26.0			34	EGUA	I D 0	10 01 45.0	E 4	10 01 51.5					180								
									MAL									I C 0	10 01 54.0	E 0	10 02 06.0				
									ELUQ									I D 0	10 01 54.7	E 0	10 02 05.1	0.16	0.3	151	
									ENIJ									I C 0	10 01 59.8	E 0	10 02 14.0	0.08	0.2	111	
									EBAN									I D 0	10 02 00.6	E 0	10 02 15.8	0.04	0.2	92	
									EHUE									I D 0	10 02 00.7	E 0	10 02 14.2	0.07	0.3	114	
									EPRU									I C 0	10 02 05.4	E 0	10 02 23.9	0.17	0.5	106	
									EHOR									I C 0	10 02 07.9	E 0	10 02 27.2	0.05	0.3	80	
									LIJA									E 0	10 02 09.0						
									PAB									E 9	10 02 27.5	0	10 02 58.5				
									EVIA									I C 0	10 02 10.3	E 0	10 02 33.0	0.08	0.4	165	
									EJIF									I C 0	10 02 11.3	E 0	10 02 30.5	0.07	0.4	105	

EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
EALH	I	D	0	10 02 13.2	E	0	10 02 36.1	0.05	0.5	85	
ALJ	I	4	10 02 16.0								
PLAT	E	4	10 02 20.0								
EVAL	I	C	0	10 02 21.6	E	0	10 02 54.0	0.03	0.5	112	
EPLA	I	C	0	10 02 36.0	E	4	10 03 32.5	0.04	0.5	116	
GUD	I	D	0	10 02 36.1	E	0	10 03 17.8	0.03	0.4	132	
MOE	E	0	10 02 44.0	I	0	10 03 30.0					
MTE	E	0	10 02 49.5	E	0	10 03 42.5					

23 mar 03h 56m 48.6s 37°55'N 01°05'W 4Km
rms ±0.6s mb 2.3 SW. MURCIA.MU

EALH	E	0	03 56 52.8	E	0	03 56 58.0	0.02	0.2	25
ACU	E	0	03 57 03.8						24
ENIJ	E	0	03 57 11.2	E	0	03 57 30.6			23
EVIA	E	0	03 57 12.6	E	0	03 57 30.3			23

24 mar 09h 08m 39.0s 37°06'N 03°42'W 3Km
rms ±0.5s mb 2.7 LAS GABIAS.GR

ECOG	I	C	0	09 08 42.0					45
EGUA	E	0	09 08 44.0	E	0	09 08 47.8	0.09	0.2	60
ELUQ	E	0	09 08 50.5	E	0	09 09 00.2	0.01	0.3	30
EBAN	E	0	09 08 58.6	E	0	09 09 13.0			28
EPRU	E	0	09 09 02.2						30
ENIJ	E	4	09 09 02.7	E	0	09 09 18.0			33
EHOR	E	0	09 09 05.0	E	0	09 09 23.0			34
EVIA	E	0	09 09 10.0	E	0	09 09 33.8	0.01	0.3	60

24 mar 18h 50m 05.6s 35°18'N 03°35'W 22Km
rms ±0.8s mb 2.9 E. ALHUCEMAS.MAC

EMEL	E	0	18 50 14.5	E	0	18 50 23.0	0.09	0.3	40
EGUA	E	0	18 50 29.0	E	0	18 50 48.5	0.02	0.3	96
TGT	I	0	18 50 33.0	E	0	18 50 54.0			
EJIF	E	4	18 50 33.0	E	0	18 50 58.0	0.02	0.4	65
ECOG	E	0	18 50 37.2	E	0	18 51 00.0	0.02	0.4	
ENIJ	E	0	18 50 36.5	E	0	18 51 01.0	0.02	0.4	
PLAT	E	0	18 50 38.0						
ALJ	E	0	18 50 38.0						
LIJA	E	0	18 50 40.0						
EPRU	E	0	18 50 40.0	E	0	18 51 03.8	0.01	0.5	60
ELUQ	E	0	18 50 41.5	E	0	18 51 08.0	0.01	0.3	55
EHOR	E	0	18 50 50.0	E	0	18 51 22.0			60
EVAL	E	0	18 50 54.5	E	0	18 51 33.0			

28 mar 05h 14m 53.8s 37°25'N 01°35'W
rms ±0.5s mb 2.4 AGUILAS.MU

EALH	E	0	05 15 02.3	0	05 15 08.0				25
ENIJ	E	0	05 15 07.0	0	05 15 14.7			0.2	31
EVIA	E	0	05 15 19.0	0	05 15 36.5			0.2	32

28 mar 19h 14m 21.3s 36°39'N 01°39'E
rms ±0.2s mb 4.0 W. CHERCHELL.ARG

ACU	E	0	19 15 01.3	0	19 15 31.0			0.3	40
ESEL	E	0	19 15 12.0	0	19 15 50.5			0.4	45
VIV	E	0	19 15 14.1	0	19 15 54.3				30
ECHE	E	0	19 15 17.2	0	19 15 58.6			0.2	65
EVIA	E	0	19 15 20.5	4	19 16 03.2				70

29 mar 00h 22m 32.9s 36°58'N 02°25'W
rms ±0.6s mb 2.3 NE. RIOJA.AL

ENIJ	I	0	00 22 36.1	E	0	00 22 37.6	0.15	0.3	35
EHUE	E	0	00 22 48.5	0	00 23 00.2				45

EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
EGUA	E	0	00 22 50.5		0	00 23 01.8			0.4	40	
ECOG	E	0	00 22 51.7		0	00 23 03.4			0.3	40	

29 mar 08h 37m 58.0s 37°28'N 02°13'W 25Km
rms ±0.2s mb 2.6 W. SORBAS.AL

EHUE	E	0	08 38 07.2	E	0	08 38 14.0	0.01	0.3	20
ENIJ	E	0	08 38 07.8	E	0	08 38 14.7	0.01	0.2	22
ECOG	E	0	08 38 16.8	E	0	08 38 30.5	0.01	0.2	27
EVIA	E	0	08 38 18.0	E	0	08 38 33.0	0.03	0.4	28
EBAN	E	0	08 38 20.5	E	4	08 38 36.2	0.02	0.3	25

30 mar 07h 00m 50.4s 42°56'N 01°20'W 3Km
rms ±0.6s mb 3.1 NE. PAMPLONA.NA

ELIZ	I	0	07 00 55.0	E	0	07 01 00.0	0.23	0.1	60
BOH	0	07 00 55.0		0	07 01 00.0				
MADF	0	07 00 58.2		0	07 01 04.9				
ATE	0	07 00 58.8		0	07 01 06.9				
ESCF	0	07 01 00.7		0	07 01 09.6				
JAU	0	07 01 02.9							
ECRI	E	0	07 01 07.0	E	0	07 01 20.8	0.05	0.2	80
EFF	0	07 01 11.5		4	07 01 31.5				95
EGRA	E	0	07 01 16.0	E	0	07 01 35.2	0.03	0.3	80
ETOR	E	0	07 01 26.5	E	0	07 01 54.5	0.03	0.4	95
EROQ	E	0	07 01 30.0	E	0	07 02 00.0	0.02	0.4	70
LFF	4	07 02 04.5							95
LPO	0	07 01 30.4		4	07 02 05.4				95
GUD	E	0	07 01 38.3	E	0	07 02 15.5			95
CAF	0	07 01 40.1		4	07 02 20.6				
MAF	0	07 01 55.7		4	07 02 47.4				
LSF	4	07 02 37.2							
EBR									

31 mar 20h 40m 11.9s 36°41'N 03°25'W
rms ±0.5s mb 2.6 SW. CASTELL DE FERRO

EGUA	E	0	20 40 14.8	0	20 40 18.8	0.17	0.2	45
ECOG	E	0	20 40 22.5	0	20 40 31.0	0.01	0.2	35
ENIJ	E	0	20 40 30.5	0	20 40 44.0		0.2	30
ELUQ	E	0	20 40 32.8	0	20 40 47.5			40
EHUE	E	4	20 40 40.0	0	20 40 54.3			25

02 abr 01h 50m 37.7s 43°20'N 09°10'W
rms ±0.5s mb 2.8 W PUNTA DE NARIGA

STS	I	C	0	01 50 49.0	0	01 50 58.0	0.03	0.2	30
EZAM	E	0	01 51 00.0	0	01 51 16.5	0.01	0.3	25	
EMON	E	0	01 51 01.4	0	01 51 19.5	0.02	0.3	45	
ERUA	E	0	01 51 09.4	0	01 51 30.2			20	

02 abr 11h 50m 31.1s 36°13'N 01°05'W
rms ±0.5s mb 3.1 NW ORAN

ENIJ	I	D	0	11 50 51.7	E	0	11 51 07.5	0.06	0.2	78
EGUA	E	0	11 51 03.3	E	0	11 51 28.7	0.02	0.2	77	
EHUE	E	0	11 51 03.2	E	0	11 51 26.1			75	
ECOG	I	D	0	11 51 06.0	E	0	11 51 34.0	0.02	0.4	74
EVIA	I	C	0	11 51 13.0	E	0	11 51 42.7	0.04	0.5	98
ELUQ	4	11 51 18.1		E	0	11 51 47.9	0.01	0.4	117	
EPRU	E	0	11 51 22.9	E	4	11 51 53.6			125	
IFR	I	4	11 51 37.0	E	4	11 52 33.0				

02 abr 19h 54m 23.4s 36°31'N 11°21'W
rms ±0.8s mb 2.9 W CABO SAN VICENTE

MOE	I	C	0	19 55 08.7	I	0	19 55 45.3			
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BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
03 abr	04h	43m	18.3s	36°52'N	04°42'W	5Km		
rms ±0.7s mb 2.6 ALORA.MA								
MAL	E	0	04 43 21.5	I	0	04 43 27.5		34
EPRU	E	0	04 43 27.2		0	04 43 32.5	0.01 0.3	40
EJIF	E	0	04 43 32.0		0	04 43 42.0	0.01 0.4	50
ELUQ	E	0	04 43 33.0		0	04 43 42.5	0.02 0.2	40
EGUA	E	0	04 43 35.0		0	04 43 47.0	0.02 0.3	53
EHOR	I C	0	04 43 36.5		0	04 43 51.0	0.02 0.2	40
ECOG	I C	0	04 43 37.3		0	04 43 49.5	0.01 0.2	50
EBAN						04 44 03.5	0.05 0.2	30
EVIA						04 44 29.5		50
03 abr	04h	53m	27.6s	36°53'N	04°36'W			
rms ±0.4s mb 2.3 ALORA.MA								
EPRU	E	0	04 53 37.7					
ELUQ	E	0	04 53 41.0		0	04 53 51.0	0.01 0.3	30
ECOG	E	0	04 53 43.0		0	04 53 56.2		27
EGUA	E	0	04 53 43.2		0	04 53 53.8		23
EHOR	E	0	04 53 45.4		0	04 54 00.0		
03 abr	05h	49m	38.7s	36°56'N	04°39'W	5Km		
rms ±0.7s mb 3.3 ALORA.MA								
MAL	I D	0	05 49 44.0	I	0	05 49 47.2		60
EPRU	I C	0	05 49 47.1	E	0	05 49 52.5	0.11 0.3	86
EJIF	I D	0	05 49 52.3	E	0	05 50 04.2	0.14 0.5	73
ELUQ	I D	0	05 49 52.6	E	0	05 50 01.6	0.40 0.2	83
EGUA	I D	0	05 49 54.2	E	0	05 50 06.3	0.08 0.2	100
ECOG	I C	0	05 49 57.0	E	0	05 50 08.3	0.12 0.3	98
EHOR	I D	0	05 49 57.3	E	0	05 50 09.8	0.16 0.3	98
GIBL	I	0	05 49 59.0					
PLAT	E	0	05 50 02.0					
EBAN	I D	0	05 50 03.3	E	0	05 50 21.5		79
CNIL	E	4	05 50 04.0					
EVAL	E	0	05 50 10.0	E	0	05 50 32.3	0.03 0.3	98
EHUE	E	0	05 50 10.4	E	0	05 50 33.1	0.03 0.2	82
ENIJ	E	0	05 50 11.6	E	0	05 50 36.1		85
EVIA	E	0	05 50 17.6	E	0	05 50 45.9	0.06 0.3	114
MOE	E	0	05 50 29.0	E	4	05 51 06.2		
GUD	E	0	05 50 35.8	E	0	05 51 16.8	0.01 0.2	109
03 abr	07h	41m	13.6s	36°51'N	04°42'W	9Km		
rms ±0.6s mb 2.6 ALORA.MA								
MAL	E	0	07 41 19.0	I	0	07 41 22.6		24
EPRU	E	0	07 41 22.2		0	07 41 27.6	0.02 0.3	30
EJIF	E	0	07 41 27.0		0	07 41 37.0		35
ELUQ	E	0	07 41 27.5		0	07 41 39.5	0.03 0.2	30
EGUA	E	0	07 41 29.0		0	07 41 42.0	0.02 0.3	35
EHOR	I C	0	07 41 32.0		0	07 41 46.0	0.02 0.3	30
ECOG	E	0	07 41 32.5		4	07 41 48.5		30
EBAN	E	0	07 41 40.0		0	07 42 00.0		25

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
03 abr	07h	41m	56.6s	36°51'N	04°42'W	9Km		
rms ±0.6s mb 2.6 ALORA.MA								
MAL	E	0	07 42 01.5	I	0	07 42 05.5		18
EPRU	E	0	07 42 05.3		0	07 42 11.7	0.01 0.3	45
EJIF	E	0	07 42 10.0		0	07 42 20.0		40
ELUQ	E	0	07 42 10.2		0	07 42 20.9	0.02 0.2	30
EGUA	E	0	07 42 12.5		0	07 42 25.0		40
EHOR	I C	0	07 42 15.0		0	07 42 30.0	0.02 0.2	35
ECOG	E	0	07 42 15.9		4	07 42 31.2		30
EBAN	E	0	07 42 23.1		0	07 42 42.5		30
04 abr	03h	19m	12.2s	36°44'N	03°21'W			
rms ±0.2s mb 2.5 CASTELL DE FERRO.GR								
EGUA	I D	0	03 19 16.0		0	03 19 18.0	0.06 0.2	40
ECOG	I C	0	03 19 22.5		0	03 19 30.0	0.02 0.3	30
ELUQ	E	0	03 19 32.0		0	03 19 47.5		30
05 abr	01h	25m	36.0s	37°21'N	02°09'W	3Km		
rms ±0.7s mb 3.0 IV CANTORIA.AL								
ENIJ	I D	0	01 25 43.4					110
EHUE	E	0	01 25 45.6	E	0	01 25 54.5	0.35 0.2	110
EALH	I D	0	01 25 50.2	E	0	01 26 00.9	0.12 0.2	80
ECOG	I D	0	01 25 55.7	E	0	01 26 12.2	0.16 0.2	120
EGUA	I C	0	01 25 57.8	E	0	01 26 15.4	0.10 0.3	110
EVIA	I D	0	01 25 59.8	E	0	01 26 18.1	0.36 0.2	130
EBAN	I D	0	01 26 03.0	E	0	01 26 23.3		100
ACU	I D	0	01 26 05.4	E	0	01 26 28.1	0.01 0.3	70
ELUQ	I D	0	01 26 06.3	E	0	01 26 26.5	0.18 0.2	100
MAL	E	0	01 26 09.5	I	4	01 26 36.5		58
EHOR	I D	0	01 26 15.7	E	0	01 26 46.8	0.06 0.3	100
ECHE	E	0	01 26 16.8	E	0	01 26 44.3		0.2 110
EPRU	E	0	01 26 18.0	E	4	01 26 51.1	0.02 0.3	100
ETOR	E	0	01 26 30.4	E	0	01 27 10.9	0.03 0.3	120
EVAL	E	0	01 26 31.3	E	0	01 27 13.9	0.01 0.3	100
GUD	E	0	01 26 31.4	E	0	01 27 13.2	0.02 0.3	110
EPLA	E	0	01 26 37.7	E	0	01 27 24.9	0.01 0.3	110
MOE	E	0	01 26 51.5	E	0	01 27 46.5		
09 abr	06h	27m	42.5s	36°51'N	09°02'E			
rms ±0.6s mb 3.8 N BEJA.TUNZ								
ESEL	E	0	06 29 05.6	E	0	06 30 09.2	0.01 0.4	98
PGF			06 29 08.7					
LMR		4	06 29 18.9		0	06 30 35.1		
LRG		0	06 29 21.8		2	06 30 40.5		
ACU	E	0	06 29 32.7					0.4
EROQ	E	0	06 29 34.5	E	4	06 31 00.0		
EALH	E	0	06 29 42.5					
ECHE	E	0	06 29 42.5	E	0	06 31 12.0		128
EGRA	E	0	06 29 45.7	E	0	06 31 18.0		0.3 120
ENIJ	E	0	06 29 51.2					
EVIA	E	0	06 29 55.2	E	0	06 31 35.0		135
EHUE	E	0	06 29 55.5					
ETOR	E	0	06 29 57.5					182
ECOG	E	0	06 30 05.0					
ELUQ	E	0	06 30 12.8					
GUD	E	0	06 30 16.5					
10 abr	02h	07m	12.6s	43°05'N	00°40'W	3Km		
rms ±0.9s mb 3.1 S.OLORON.FR								
MADF		0	02 07 14.4		0	02 07 17.1		
OGE		0	02 07 14.6		0	02 07 17.9		
ATE		0	02 07 13.4		0	02 07 15.3		
ESCF		0	02 07 13.6		0	02 07 15.7		
ISSF		0	02 07 14.8		0	02 07 17.7		
BOH		0	02 07 16.3		0	02 07 20.7		
JAU		0	02 07 15.8		0	02 07 19.4		
BTH	I C	0	02 07 17.3	I	0	02 07 22.3		

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ELIZ I D	0		02 07 23.1	E 0	02 07 32.0	0.08	0.2	38
EPF	0		02 07 24.5	E 0	02 07 35.6			
EGRA I C	0		02 07 34.5	E 0	02 07 49.9	0.03	0.3	55
ECRI E	9		02 07 39.1	E 0	02 07 58.3	0.04	0.2	47
LPO	0		02 07 49.0	E 4	02 08 16.0			
LFF	0		02 07 49.4	E 0	02 08 15.7			
EROQ				E 0	02 08 21.0		0.2	64
ETOR E	9		02 07 52.5	E 0	02 08 21.6		0.3	86
ETER				E 0	02 08 28.9			58
EBR				4	02 08 28.0			

10 abr 07h 59m 08.7s 37°03'N 04°00'W 3Km
rms ±0.9s mb 2.9 N.ALHAMA DE GRANADA.GR

EGUA I C	0		07 59 15.4	E 0	07 59 22.7	0.08	0.2	60
ECOG I C	0		07 59 15.8	E 0	07 59 21.9	0.07	0.2	55
MAL I C	0		07 59 16.0	I 0	07 59 21.5			
ELUQ I C	0		07 59 18.3	E 0	07 59 26.7	0.03	0.2	55
EPRU E	0		07 59 28.5	E 0	07 59 42.0		0.3	50
EBAN E	0		07 59 29.1	E 0	07 59 43.1	0.03	0.3	48
EHOR E	0		07 59 31.4	E 0	07 59 48.7		0.2	45
EHUE E	0		07 59 33.9	E 0	07 59 51.7	0.01	0.2	48
EJIF E	0		07 59 33.2	E 0	07 59 50.8			47
ENIJ E	0		07 59 35.6	E 0	07 59 54.2			53
EVIA E	0		07 59 42.7	E 0	08 00 05.6	0.01	0.3	50

10 abr 18h 44m 41.0s 43°06'N 02°02'W 2Km
rms ±0.3s mb 2.3 SE TOLOSA.SS

ELIZ E	0		18 44 47.9	E 0	18 44 53.1		0.2	
ECRI E	0		18 44 52.0	E 0	18 44 59.9	0.01	0.2	
EPF	0		18 45 11.3	E 0	18 45 33.9			
BTH	4		18 45 21.5	E 0	18 45 23.4			
RJF	0		18 45 33.7	E 0	18 46 13.9			
CAF	0		18 45 34.8	E 0	18 46 15.0			

10 abr 18h 46m 56.0s 43°01'N 01°57'W 3Km
rms ±0.6s mb 3.1 VALLE DE LARRAUN.NA

ELIZ E	0		18 47 02.0	E 0	18 47 07.0	0.27	0.2	80
ECRI E	0		18 47 06.4	E 0	18 47 14.0	0.12	0.2	100
BTH I C	0		18 47 19.8	I 0	18 47 37.5			
EPF	0		18 47 23.8	E 0	18 47 46.2			198
EGRA E	0		18 47 27.0	E 0	18 47 51.2	0.03	0.2	95
ETOR E	0		18 47 33.0	E 0	18 47 59.2	0.02	0.2	90
EROQ E	0		18 47 39.2	E 0	18 48 16.0	0.01	0.2	85
LFF	0		18 47 40.1					321
LPO	0		18 47 40.9	E 0	18 48 15.2			330
GUD E	0		18 47 42.3	E 0	18 48 16.2		0.2	75
EBR				E 4	18 48 20.0			
ETER E	9		18 48 02.5	E 0	18 48 45.0		0.2	

10 abr 23h 59m 55.3s 41°39'N 00°46'W 13Km
rms ±0.5s mb 2.5 EL BURGO DE EBRO.Z

EGRA E	0		00 00 13.0	E 0	00 00 25.8		0.2	27
EROQ E	0		00 00 16.6	E 0	00 00 33.0			31
ETOR E	0		00 00 17.1	E 0	00 00 34.0		0.2	32
ELIZ E	0		00 00 24.0	E 0	00 00 41.8		0.2	33
ECRI				E 0	00 00 42.5			28

13 abr 04h 45m 19.0s 37°02'N 04°27'W
rms ±0.7s mb 2.6 E.ANTEQUERA.MA

MAL E	0		04 45 23.4	I 0	04 45 28.0			21
ELUQ E	0		04 45 29.0	E 0	04 45 37.0	0.03	0.3	35
EPRU				E 0	04 45 39.5			
EGUA E	0		04 45 31.9	E 0	04 45 43.5	0.02	0.3	35
ECOG E	0		04 45 34.2	E 0	04 45 43.4	0.01	0.3	45

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EHOR E	0		04 45 37.0	E 0	04 45 50.6	0.02	0.3	30
EJIF				E 0	04 45 52.0			

13 abr 05h 34m 11.5s 37°42'N 02°26'W 3Km
rms ±0.5s mb 2.8 S.ORCE.GR

EHUE I C	0		05 34 14.3	E 0	05 34 16.9	0.13	0.2	45
ENIJ I D	0		05 34 25.7	E 0	05 34 34.9	0.01	0.4	25
ECOG E	0		05 34 29.4	E 0	05 34 44.0		0.3	52
EVIA I C	0		05 34 29.4	E 0	05 34 41.2	0.05	0.3	38
EGUA E	0		05 34 34.3	E 0	05 34 51.6			51
ELUQ E	0		05 34 36.6	E 0	05 34 55.9	0.02	0.3	33
EHOR				E 0	05 35 16.5	0.01	0.3	

13 abr 16h 20m 35.0s 40°27'N 01°40'E 2Km
rms ±0.9s mb 3.1 MAR MEDITERRANEO

VAN	0		16 20 50.0	0	16 21 00.3			
POB	0		16 20 53.2	0	16 21 07.5			
FBR	0		16 20 53.9	0	16 21 09.1			
EBR	0		16 20 54.0	0	16 21 05.0			
EROQ E	0		16 20 55.0	E 0	16 21 06.0	0.06	0.2	65
MRB	0		16 20 55.7					
ESEL E	0		16 20 56.0	E 0	16 21 10.0	0.08	0.2	70
FONT	0		16 21 00.0	4	16 21 22.3			
VIL	0		16 21 03.9					
BRU	0		16 21 06.7					
ETER E	0		16 21 09.1	E 0	16 21 34.5	0.02	0.3	70
ECHE E	0		16 21 12.6	E 0	16 21 40.1	0.02	0.3	75
EGRA E	0		16 21 09.1	E 0	16 21 34.6	0.04	0.3	90
VIV E	0		16 21 13.5	E 0	16 21 46.3			75
ACU E	0		16 21 15.8	E 0	16 21 44.6	0.02	0.4	65
EPF	0		16 21 19.3					
ETOR				E 0	16 21 54.0	0.02	0.3	
ECRI E	0		16 21 32.5				0.3	110
LPO	0		16 21 39.7					
CAF	0		16 21 43.2					

13 abr 17h 10m 22.1s 39°54'N 00°24'E 12Km
rms ±0.2s mb 2.6 W ISLAS COLUMBRETES

EROQ E	0		17 10 39.0	E 0	17 10 50.5	0.01	0.2	30
EBR				0	17 10 51.0			
ECHE E	0		17 10 42.0	E 0	17 10 56.5	0.01	0.3	35
VIV E	0		17 10 45.3	E 0	17 11 02.0			35
ETOR E	0		17 10 55.4	E 0	17 11 21.0		0.3	55

14 abr 17h 14m 31.0s 36°26'N 02°56'W
rms ±0.1s mb 2.6 MAR DE ALBORAN

EGUA E	0		17 14 42.9	E 0	17 14 51.5	0.02	0.2	30
ENIJ E	0		17 14 45.5	E 0	17 14 56.0	0.01	0.2	22
ECOG E	0		17 14 48.5	E 0	17 15 02.0			25

15 abr 10h 44m 32.4s 39°40'N 11°25'W
rms ±0.7s mb 3.6 W LISBOA

LIS I D	0		10 45 03.0	I 0	10 45 26.0			
INMG E	0		10 45 03.0	E 0	10 45 25.8			
PLML E	0		10 45 05.7	I 0	10 45 32.0			
COI I C	0		10 45 08.9	I 0	10 45 36.0			
PTO I C	0		10 45 11.8	I 0	10 45 41.6			
MTE E	0		10 45 18.0	I 0	10 45 51.5			
EZAM E	0		10 45 20.0	E 0	10 45 53.8	0.06	0.2	99

EST I/E W HORA P I/E W HORA S AMP PER DUR

18 abr 06h 10m 38.8s 35°53'N 03°44'W 15Km
rms ±0.8s mb 3.1 MAR DE ALBORAN

EMEL I C 0	06 10 55.0	E 0	06 11 05.8	0.04	0.2	45
EGUA I C 0	06 10 55.1	E 0	06 11 07.7	0.12	0.2	100
MAL E 0	06 10 58.0	I 0	06 11 10.0	0.10	0.5	
ECOG E 0	06 11 02.9	E 0	06 11 19.4	0.03	0.2	75
EJIF E 0	06 11 04.3	E 0	06 11 23.0	0.03	0.3	75
ENIJ E 0	06 11 04.8	E 0	06 11 25.1	0.02	0.2	90
NKM E 4	06 11 06.0	E 4	06 11 15.5			
EPRU E 0	06 11 06.7	E 0	06 11 24.7	0.01	0.4	90
ELUQ E 0	06 11 07.5	E 0	06 11 28.6	0.04	0.2	85
EBAN E 0	06 11 13.0	E 0	06 11 43.5			
EHUE E 0	06 11 14.1	E 0	06 11 39.4	0.02	0.3	75
EHOR E 0	06 11 15.4	E 0	06 11 42.0	0.02	0.3	60
EALH E 0	06 11 20.4					
EVIA E 0	06 11 23.2	E 0	06 11 56.5	0.01	0.4	60
IFR I 4	06 11 23.5	E 0	06 11 49.5			
EVAL E 0	06 11 23.7	E 0	06 11 57.2			

22 abr 04h 22m 24.4s 38°22'N 09°10'W 4Km
rms ±0.7s mb 3.0 IV SW.SESIMBRA

PLML I D 0	04 22 29.5	I 0	04 22 33.5			
LIS I C 0	04 22 30.5	I 0	04 22 35.5			
MOE I C 0	04 22 36.5	I 0	04 22 46.0			
FIG E 0	04 22 52.5	E 0	04 23 14.0			
EVAL E 0	04 23 00.4			0.02	0.2	100
EPLA E 0	04 23 08.8	E 0	04 23 46.0	0.02	0.4	110
MTE E 9	04 23 09.8	I 0	04 23 40.0			
EHOR E 0	04 23 14.0	E 0	04 23 49.0		0.2	88

22 abr 09h 39m 44.6s 37°27'N 01°38'W
rms ±0.2s mb 2.7 N AGUILAS.MU

EALH E 0	09 39 52.5	E 0	09 39 58.5	0.02	0.3	30
ENIJ E 0	09 39 57.0	E 0	09 40 05.5	0.03	0.3	30
EVIA E 0	09 40 10.0	E 0	09 40 27.9	0.04	0.3	40

22 abr 12h 36m 38.1s 36°35'N 04°32'W 27Km
rms ±0.7s mb 2.9 MAR DE ALBORAN

EPRU I D 0	12 36 50.9	E 0	12 37 01.0			40
EJIF E 0	12 36 51.0	E 0	12 37 02.5	0.02	0.3	55
EGUA E 0	12 36 51.9	E 0	12 37 04.0	0.02	0.3	45
ELUQ E 0	12 36 55.1	E 0	12 37 08.4	0.06	0.2	45
ECOG E 0	12 36 56.1	E 0	12 37 09.8			40
EHOR E 0		E 0	12 37 16.0	0.02	0.2	30
EBAN I C 0	12 37 03.4	E 0	12 37 23.9	0.04	0.2	50
EVIA I C 9	12 37 15.0	E 0	12 37 44.6			55

22 abr 17h 22m 58.9s 38°19'N 00°18'E 21Km
rms ±0.5s mb 3.3 E ALICANTE

ACU E 0	17 23 09.9	E 0	17 23 17.8			
EALH E 0	17 23 23.2	E 0	17 23 40.0	0.07	0.5	130
EBR E 0		E 4	17 23 41.0			
VIV I 0	17 23 23.2	E 0	17 23 41.7			135
ECHE E 0	17 23 25.3	E 0	17 23 44.9	0.09	0.5	155
EVIA E 0	17 23 33.4	E 0	17 24 00.2	0.05	0.3	168
ENIJ E 0	17 23 35.0	E 0	17 24 03.5	0.03	0.5	97
EHUE E 0	17 23 36.0	E 0	17 24 02.0			93
ESEL E 0	17 23 37.2	E 0	17 24 05.0	0.07	0.3	130
EROQ E 0	17 23 37.3	E 0	17 24 05.2	0.02	0.2	119
ETOR E 0	17 23 46.0	E 0	17 24 20.4	0.05	0.5	200
EBAN E 0	17 23 46.9	E 0	17 24 24.0	0.04	0.4	145
ECOG E 0	17 23 48.0	E 0	17 24 23.9			148
EGUA E 0	17 23 50.0	E 0	17 24 28.5			115
EGRA E 0	17 23 56.3	E 0	17 24 38.1			194

EST I/E W HORA P I/E W HORA S AMP PER DUR

GUD E 0	17 24 01.0	E 0	17 24 46.0	0.01	0.4	155
ECRI E 0	17 24 08.9	E 0	17 25 00.5			163
EPF 4	17 24 09.9	E 0	17 25 00.6			
LPO 0	17 24 31.9	E 0	17 25 39.9			
LFF 0	17 24 35.3	E 4	17 25 47.4			

23 abr 01h 18m 25.6s 36°40'N 05°00'W 20Km
rms ±0.6s mb 3.6 SIERRA DE TOLOX.MA

EPRU I C 0	01 18 33.0	E 0	01 18 39.3			150
EJIF I C 0	01 18 33.1	E 0	01 18 39.3			150
LIJA I 0	01 18 33.5					
MAL I D 0	01 18 34.4	I 0	01 18 41.8	1.28	0.5	85
ALJ I 0	01 18 35.5					
EGUA E 0		E 0	01 19 00.7	0.18	0.3	155
OJEN I 0	01 18 39.0					
GIBL I 0	01 18 40.0					
PLAT I 0	01 18 40.5					
CNIL E 0	01 18 42.0					
ELUQ I C 0	01 18 44.7	E 0	01 18 58.5	0.22	0.2	135
SFS I 4	01 18 45.5					
CPS I 0	01 18 46.0	E 4	01 19 17.0			
EHOR I D 0	01 18 46.3	E 0	01 19 01.7	0.30	0.3	120
NKM E 0	01 18 47.5	E 4	01 19 08.5			
ECOG I D 0	01 18 48.5	E 0	01 19 04.1	0.15	0.2	140
EVAL E 0	01 18 51.2	E 0	01 19 13.1	0.11	0.3	110
TSY I 4	01 18 54.0	E 4	01 19 17.0			
EBAN I D 0	01 18 54.6	E 0	01 19 17.0	0.10	0.2	100
FAR E 0		0	01 19 30.5			
ENIJ E 0	01 19 00.5	E 0	01 19 25.9	0.02	0.4	110
EHUE E 0	01 19 00.5	E 0	01 19 26.8			65
FIG I C 0	01 19 01.5	I 0	01 19 28.5			
TGT I 0	01 19 04.5	E 4	01 19 38.5			
TZK I 0	01 19 05.5	E 4	01 19 39.5			
EVIA E 0	01 19 08.6	E 0	01 19 40.5	0.05	0.4	135
IFR I 0	01 19 13.5	E 0	01 19 49.5			
MOE E 0	01 19 13.8	I 0	01 19 50.5			
EPLA E 0	01 19 17.7	E 0	01 19 55.5	0.05	0.3	145
PLML E 0	01 19 19.0	I 0	01 19 59.5			
VIV E 0	01 19 24.2	E 0	01 20 08.2			125
GUD E D 0	01 19 25.1	E 0	01 20 10.4	0.01	0.3	155
MTE I C 0	01 19 28.0	E 0	01 20 14.5			
LIS E 0		E 0	01 20 06.0			

25 abr 03h 34m 28.4s 42°50'N 02°08'E 4Km
rms ±0.3s mb 3.0 QUILLAN.FR

LSPF 0	03 34 32.2	0	03 34 35.9			
VDCF 0	03 34 33.5	0	03 34 37.9			
MTHF 0	03 34 33.6	0	03 34 38.5			
TRGS 0	03 34 34.7	0	03 34 40.3			
GRBF 0	03 34 36.3	0	03 34 42.3			
LESF 0	03 34 40.3	0	03 34 50.0			
SALF 0	03 34 40.8	0	03 34 50.2			
MLS 0	03 34 42.9					
SQD 0	03 34 45.0	0	03 34 57.6			
ETER E 0	03 34 42.2	E 0	03 34 52.3	0.05	0.3	
BTH 4	03 35 01.1	4	03 35 24.6			
BRU I C 0	03 34 38.5					
ALB I C 0	03 34 40.6	0	03 34 50.2			
MRB 4	03 35 00.0	0	03 35 09.6			
EPF 0	03 34 52.0					
AVN 4	03 34 56.2	4	03 35 15.6			
LPO 0	03 35 01.8					

25 abr 03h 37m 11.4s 42°50'N 02°09'E 3Km
rms ±0.3s mb 2.4 QUILLAN.FR

LSPF 0	03 37 15.1					
VDCF 0	03 37 16.4	0	03 37 20.9			
MTHF 0	03 37 16.6	0	03 37 21.5			
GRBF 0	03 37 19.0					
ETER E 0	03 37 25.0	E 0	03 37 35.0	0.01	0.3	

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

EST I/E W HORA P I/E W HORA S AMP PER DUR

MLS 0 03 37 26.2
EPF 0 03 37 36.2 0 03 37 54.4
LPO 9 03 37 48.6 0 03 38 14.3

25 abr 03h 45m 00.5s 42°52'N 02°14'E 3Km
rms ±0.9s mb 3.3 IV QUILLAN.FR

LSPF 0 03 45 04.6 0 03 45 08.3
TRGS 0 03 45 07.5 0 03 45 12.6
SALF 0 03 45 14.6 0 03 45 23.9
OLT 0 03 45 14.5 0 03 45 24.7
EPF 0 03 45 24.7
ETER E 0 03 45 12.1 E 0 03 45 25.0 0.10 0.2 75
VIH 0 03 45 19.8 4 03 45 33.0
MRB 0 03 45 24.6 0 03 45 41.7
BTH 0 03 45 33.3 I 0 03 45 56.3
LPO 0 03 45 34.0
CAF 0 03 45 35.1 E 0 03 45 59.9
LFF 0 03 45 38.9
RJF 0 03 45 40.3
ELIZ E 0 03 45 44.0 E 0 03 46 20.0 0.02 0.3 85
ECRI E 0 03 45 56.0 E 0 03 46 36.5 90
ETOR E 0 03 46 00.1 E 0 03 46 44.0 0.01 0.3 105

25 abr 04h 54m 09.4s 42°49'N 02°10'E 9Km
rms ±0.3s mb 2.4 S QUILLAN.FR

ALB 4 04 54 30.8
BRU 0 04 54 19.3
LSPF 0 04 54 13.6 0 04 54 18.0
VDCF 0 04 54 18.5
MTHF 0 04 54 19.2
GRBF 0 04 54 24.3
ETER E 0 04 54 23.0 E 0 04 54 32.0 0.01 0.3

26 abr 08h 40m 27.1s 36°56'N 10°58'W 55Km
rms ±0.3s mb 3.0 W CABO SAN VICENTE

MTE 4 08 41 44.0
PLML E 0 08 41 02.0 E 0 08 41 27.8
MOE E 0 08 41 06.0 I 0 08 41 35.0
EVAL E 0 08 41 18.0 E 0 08 41 54.5 0.01 0.3 75
FIG 0 08 41 34.0
EPLA E 0 08 41 38.2 E 0 08 42 31.0 0.3 85
AVE 0 08 41 34.0 0 08 42 24.5
IFR 0 08 41 50.5 4 08 42 50.5
TIO 0 08 42 01.9 0 08 43 12.5

28 abr 01h 06m 53.1s 38°02'N 01°09'W 15Km
rms ±0.2s mb 2.5 MURCIA.MU

EALH E 0 01 06 58.5 E 0 01 07 03.0 0.02 0.2 40
ACU E 0 01 07 07.0 E 0 01 07 17.0 0.3 25
VIV E 0 01 07 14.4 E 0 01 07 30.1
EVIA I C 0 01 07 15.0 E 0 01 07 30.0 0.02 0.2 40
ECOG E 0 01 07 26.0 E 4 01 07 45.0 50
GUD E 4 01 08 28.0

30 abr 05h 21m 46.8s 38°23'N 01°02'W 2Km
rms ±0.2s mb 2.6 PINOSO.A

ACU E 0 05 21 56.0 E 0 05 22 03.3 0.01 0.2 30
EALH E 0 05 21 57.8 E 0 05 22 06.2 0.01 0.3 35
VIV E 0 05 22 02.5 E 4 05 22 11.8 40
EVIA E 0 05 22 08.2 E 0 05 22 24.2 0.02 0.2 35
ECHE E 0 05 22 09.0 E 0 05 22 25.3 30
EHUE E 0 05 22 10.0 E 0 05 22 30.0 0.01 0.2 45
ETOR E 9 05 22 34.0 E 0 05 23 05.0 65

EST I/E W HORA P I/E W HORA S AMP PER DUR

01 may 00h 22m 23.4s 35°17'N 06°20'W 30Km
rms ±0.4s mb 4.2 W. LARACHE

TSY I 0 00 22 30.5 I 0 00 22 36.7
RSA I 0 00 22 33.0 E 4 00 22 37.0
BIT I 0 00 22 35.0 E 0 00 22 45.0
CPS I 0 00 22 35.5 E 0 00 22 45.5
NKM I C 0 00 22 37.0 E 0 00 22 45.5
PLAT I 0 00 22 39.0
OJEN I 0 00 22 40.5
CNIL I 0 00 22 41.0
SFS I D 0 00 22 42.5
ALJ I C 0 00 22 44.5
RBA I D 0 00 22 45.0 E 4 00 23 04.0
RTC I 0 00 22 45.0 E 0 00 23 00.0
RANB I 0 00 22 45.5
EJIF I C 0 00 22 45.5 E 0 00 23 00.3 0.20 0.4 220
LLJA I D 0 00 22 49.0
EPRU I C 0 00 22 52.5 E 0 00 23 13.7 0.19 0.4 230
EMAL I 0 00 22 54.2
IFR I C 0 00 22 55.0 E 4 00 23 24.0
AVE I D 0 00 22 56.0 E 4 00 23 30.0
FAR E 0 00 22 56.0 E 4 00 23 19.0
FIG I C 0 00 22 56.5 I 0 00 23 21.2
EVAL I C 0 00 22 57.9 E 0 00 23 23.5 0.25 0.3 235
CLZ I 0 00 23 01.0 I 0 00 23 28.5
EGUA C E 0 00 23 34.7 0.08 0.4 260
EHOR I C 0 00 23 02.4 E 0 00 23 31.6 0.14 0.3 250
KSB I 0 00 23 02.5 E 0 00 23 32.5
EMEL I D 0 00 23 02.5 E 0 00 23 33.9 0.03 0.5 190
ELUQ I C 0 00 23 04.6 E 0 00 23 36.1 0.11 0.3 230
ECOG I C 0 00 23 07.5 E 0 00 23 41.0 0.05 0.3 220
TAZ I 0 00 23 09.0 I 0 00 23 43.5
MOE I C 0 00 23 15.5 I 0 00 23 54.0
ENIJ E C 0 00 23 16.6 E 0 00 23 59.6 0.02 0.4 140
EHUE E C 0 00 23 19.7 E 0 00 24 01.6 0.3 130
PLML E 0 00 23 21.0 I 4 00 23 56.0
LIS E 0 00 23 24.2 E 0 00 24 09.4
TIO I D 0 00 23 26.5 I 4 00 24 12.9
PAB 0 00 23 27.5
JHA I 0 00 23 27.5 I 0 00 24 14.5
EVIA I C 0 00 23 27.6 0.05 0.2 260
EALH E 0 00 23 30.0 E 0 00 24 20.8 140
EPLA I C 0 00 23 31.9 E 0 00 24 21.9 0.11 0.3 230
MTE I D 0 00 23 36.5 I 0 00 24 33.0
COI I C 0 00 23 37.3 I 0 00 24 32.0
GUD I C 0 00 23 42.9 0.04 0.3 270
VIV I C 0 00 23 43.4 E 4 00 24 42.4 210
ECHE I C 0 00 23 47.8 E 0 00 24 55.2 0.02 0.3 185
PTO I D 0 00 23 50.4 I 4 00 24 49.2
ETOR I C 0 00 23 54.3 0.03 0.3 295
ERUA E D 0 00 24 03.7 E 0 00 25 17.5 0.05 0.5 230
EROQ E 0 00 24 09.9 E 0 00 25 31.0 0.2 140
EBR 0 00 24 11.0
STS E D 0 00 24 13.0 0.02 0.4 210
ECRI E D 0 00 24 14.1 0.01 0.3 235
EMON E C 0 00 24 17.0 0.05 0.5 235
EGRA E 0 00 24 22.6 0.01 0.4 190
EPF C 0 00 24 33.1 4 00 26 09.5
LFO 0 00 24 56.8 4 00 26 49.9
LFF 0 00 24 56.7 4 00 26 48.5

01 may 06h 32m 43.0s 36°36'N 10°02'W 20Km
rms ±0.8s mb 3.6 SW. CABO SAN VICENTE

FAR E 0 06 33 11.0 E 0 06 33 32.5
FIG I D 0 06 33 13.0 I 0 06 33 35.5
PLML E 0 06 33 17.5 E 0 06 33 42.0
LIS E 0 06 33 18.0 I 0 06 33 43.5
MOE I C 0 06 33 19.8 I 0 06 33 46.0
TSY I 4 06 33 21.0 I 4 06 33 52.0
EVAL E 0 06 33 25.4 E 0 06 33 56.9 0.04 0.4 140
EJIF E 0 06 33 38.0 E 0 06 34 18.2 0.02 0.3 110
EPRU E 0 06 33 39.8 E 0 06 34 24.4 0.02 0.5 150
AVE E 0 06 33 40.5

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
COI	E	0	06 33 40.7	I	06 34 21.3			
EHOR	E	0	06 33 41.8	E	06 34 26.3	0.02	0.4	150
NKM	E	0	06 33 42.0					
MTE	I D	0	06 33 45.5	I	06 34 31.5			
EPLA	I D	0	06 33 50.3	E	06 34 42.0	0.04	0.2	150
EMAL	I C	0	06 33 51.0					
ELUQ	I C	0	06 33 51.1	E	06 34 42.7	0.03	0.3	120
PTO	E	0	06 33 51.6	E	06 34 43.1			
IFR	I	0	06 33 56.0					
KSB	I	0	06 33 58.0	I	06 34 55.5			
EBAN	I D	0	06 33 58.1	E	06 34 54.8	0.05	0.2	180
ECOG	E	0	06 33 58.8	E	06 34 56.7	0.01	0.2	140
EGUA	I C	0	06 33 59.0	E	06 34 54.1	0.03	0.5	110
TAZ	I	0	06 33 59.5	I	06 34 59.5			
PAB	I D	0	06 34 00.8	E	06 35 10.0			
EHUE	E	0	06 34 09.0	E	06 35 17.0			
TIO	I	0	06 34 10.0	I	06 35 15.0			
GUD	E	0	06 34 10.5	E	06 35 17.0			0.3 160
ERUA	E	0	06 34 11.2	E	06 35 19.4	0.01	0.4	130
ENIJ	E	0	06 34 14.1					0.2 160
STS	E	0	06 34 14.5					0.4
EMON	E	0	06 34 24.7	E	06 35 41.2	0.02	0.3	150
ETOR	E	0	06 34 29.4	E	06 35 50.2	0.02	0.5	210
VIV	E	0	06 34 31.4					
ECRI	E	0	06 34 40.9					
EPF	4	06 35 07.7		4	06 36 55.0			
LFF	0	06 35 25.8						
LPO	0	06 35 27.1						

03 may 21h 04m 48.8s 37°31'N 03°59'W 5Km
rms ±0.5s mb 2.6 CASTILLO DE LOCUBIN, J

ELUQ	I D	0	21 04 52.2	E	21 04 56.0	0.04	0.2	2
ECOG	I C	0	21 04 57.1	E	21 05 02.5		0.2	2
EBAN	I C	0	21 05 01.5	E	21 05 10.0	0.05	0.2	1
EGUA	E	0	21 05 03.0	E	21 05 12.7		0.2	2
EHOR	E	0	21 05 08.8			0.02	0.3	1
EHUE	E	0	21 05 09.0	E	21 05 24.7			3
EVAL	E	0	21 05 24.5	E	21 05 51.5			

04 may 06h 44m 16.5s 38°12'N 09°09'W 15Km
rms ±1.0s mb 3.1 S. CABO ESPICHEL

LIS	E	0	06 44 26.9	I	06 44 32.3			
INMG	I D	0	06 44 28.4	I	06 44 36.0			
MOE	I C	0	06 44 29.0	I	06 44 38.5			
FIG	I	0	06 44 42.1	I	06 45 05.5			
EVAL	E	0	06 44 47.0	E	06 45 14.0	0.20	0.2	
MTE	E	0	06 44 54.5	I	06 45 26.5			
COI	E	4	06 44 55.0	I	06 45 19.3			
EPLA	I D	0	06 45 02.0			0.08	0.3	116
EHOR	E	0	06 45 02.0			0.14	0.3	
EPRU	I C	0	06 45 06.5	E	06 45 43.5	0.06	0.6	109
EJIF	E	0	06 45 07.5			0.02	0.2	110
PTO		4	06 45 15.0					
ELUQ	E	0	06 45 16.0	E	06 45 59.5			122
PAB	E	4	06 45 19.0	E	06 45 58.0			
EGUA	E	0	06 45 25.3	E	06 46 17.2	0.02	0.3	125
ERUA				E	06 46 11.0			106
GUD				E	06 46 15.5	0.04	0.4	142
STS				E	06 46 16.2			124
ETOR	E	0	06 45 43.0	E	06 46 51.0	0.01	0.4	158
TIO	I	0	06 46 04.0	E	06 47 22.5			

05 may 01h 19m 12.1s 38°55'N 09°46'W 27Km
rms ±1.0s mb 2.8 NW. CABO RASO

LIS	I D	0	01 19 22.0	I	01 19 31.0			
MOE	I D	0	01 19 30.3	I	01 19 45.5			
MTE	E	0	01 19 48.5	E	01 20 12.7			
FIG	E	0	01 19 49.5	E	01 20 16.0			
EVAL	E	0	01 19 51.4					0.2
EHOR	E	0	01 20 06.0	E	01 20 48.0			0.3

EST I/E W HORA P I/E W HORA S AMP PER DUR

06 may 14h 35m 32.4s 43°38'N 02°50'W 3Km
rms ±0.5s mb 2.6 NW. CABO MACHICHACO

EGRA				E	0	14 36 49.5		0.4	63
EPF	0	14 36 11.0							
ECRI	E	0	14 35 51.0	E	0	14 36 05.5	0.04	0.2	70
ETOR	E	0	14 36 19.1						0.3 90
GUD				0		14 36 59.0			0.4
AVN	4	14 36 31.2							
RJF	0	14 36 27.6		4		14 37 05.6			
MFJ	0	14 36 26.7							
CAF				4		14 37 11.3			

07 may 14h 57m 09.6s 43°05'N 00°45'W 2Km
rms ±0.6s mb 2.5 S. OLRON SAINT-MARIE.

ATE	0	14 57 09.8		0		14 57 10.8			
ISSF	0	14 57 10.2		0		14 57 11.6			
MADF	0	14 57 10.7		0		14 57 12.2			
ESCF	0	14 57 11.2		0		14 57 13.6			
LHE	0	14 57 12.5		0		14 57 15.7			
BOH	0	14 57 12.5		0		14 57 15.7			
OGE	0	14 57 13.2							
JAU	0	14 57 14.2		0		14 57 18.9			
EPF	0	14 57 23.8		0		14 57 35.7			
EGRA	E	0	14 57 32.8	E	0	14 57 48.1		0.2	40
VIH	4	14 57 34.5		4		14 57 53.0			
ECRI	E	0	14 57 35.5	E	0	14 57 53.9		0.2	45
AVN	0	14 57 39.7							
LPO	9	14 57 49.4		0		14 58 14.7			
VIL	4	14 57 49.5		4		14 58 20.1			
RJF	9	14 58 01.6		0		14 58 34.7			

09 may 03h 04m 27.5s 35°48'N 03°00'W 4Km
rms ±0.7s mb 3.2 NE. ADRA.AL

EGUA	I C	0	03 04 36.0	E	0	03 04 41.5	0.06	0.2	60
ENIJ	I C	0	03 04 39.0	E	0	03 04 48.4	0.04	0.2	65
ECOG	I C	0	03 04 40.0	E	0	03 04 47.0	0.06	0.2	40
EHUE	E	0	03 04 47.3	E	0	03 05 01.0			35
ELUQ	E	0	03 04 51.0	E	0	03 05 09.0			50
ETOR				E	0	03 06 15.5			80
EVIA				E	0	03 05 24.5	0.01	0.4	55

10 may 23h 51m 56.3s 44°13'N 07°05'W 33Km
rms ±0.7s mb 3.5 NE. PUNTA ESTACA DE BARES

STS	I D	0	23 52 22.6	E	0	23 52 43.5	0.13	0.2	180
ERUA	I D	0	23 52 23.9	E	0	23 52 44.7	0.10	0.2	240
ECRI	E	0	23 52 50.5	E	0	23 53 31.5	0.01	0.2	140
GUD	I C	0	23 52 56.7	E	0	23 53 41.6	0.04	0.4	190
EPLA	E	0	23 52 57.0	E	0	23 53 43.5	0.04	0.3	175
ETOR	E	0	23 53 08.0	E	0	23 54 03.0	0.01	0.4	240
COI	E	4	23 53 10.0	I	4	23 54 01.7			
MFJ	0	23 53 14.8		E	0	23 54 11.7			
EPF	0	23 53 15.6		E	0	23 54 14.0			
LFF	0	23 53 17.3		E	0	23 54 17.0			
LPF	0	23 53 18.9				23 54 18.0			
EGRA	E	0	23 53 19.9	E	0	23 54 22.0			160
LPO	0	23 53 21.4		0		23 54 23.3			
RJF	0	23 53 24.8		0		23 54 30.5			
PAB	4	23 53 30.5		E	4	23 54 29.0			
AVN	0	23 53 25.3							
VIH	0	23 53 23.1							
ECHE				E	0	23 54 37.8			
EHOR				E	0	23 54 38.0	0.02	0.5	
EROQ	E	0	23 53 28.9	E	0	23 54 39.5			190
EVIA	E	0	23 53 29.8	E	0	23 54 39.0	0.02	0.5	250
EVAL				E	0	23 54 41.0	0.02	0.5	
EPRU				E	0	23 54 57.0	0.02	0.5	

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

EST I/E W HORA P I/E W HORA S AMP PER DUR

EBR E 4 23 55 25.0 190
MAL 4 23 55 56.5

12 may 04h 08m 30.0s 36°24'N 01°09'E
rms ±0.8s mb 3.3 NW. ASNAM. ARG

ACU E 0 04 09 09.2 E 0 04 09 41.0 0.2 165
EALH E 0 04 09 10.0 E 0 04 09 41.0 0.3 150
ENIJ E 0 04 09 13.3 E 0 04 09 46.7 0.04 0.3 220
VIV E 0 04 09 23.2 E 0 04 10 01.2 80
ESEL E 0 04 09 25.0 E 0 04 10 08.0 0.3 85
ECHE E 0 04 09 25.3 E 0 04 10 07.0 0.02 0.4 90
EVIA E 0 04 09 26.0 E 0 04 10 10.0 0.03 0.3 200
EGUA E 0 04 09 28.1 E 0 04 10 11.9 0.01 0.2 120
ECOG E 0 04 09 29.9 E 0 04 10 14.6 0.02 0.4 190
EROQ E 0 04 09 37.8 E 0 04 10 28.6 0.2 95
EBR 0 04 09 38.0
ELUQ E 0 04 09 39.0 E 0 04 10 29.2 0.01 0.4 100
AVN 0 04 09 52.4
PAB 4 04 09 54.0
PON 0 04 10 00.6
OLT 0 04 11 00.7
EPF 0 04 10 09.0 0 04 11 18.9
LMR 0 04 10 26.1 0 04 11 53.8
LRG 0 04 10 26.2
IFR 4 04 10 46.0

13 may 06h 23m 15.1s 36°40'N 02°40'W 4Km
rms ±0.8s mb 2.9 SW. ROQUETAS DE MAR

ENIJ I C 0 06 23 24.0 E 0 06 23 29.0 0.11 0.2 50
EGUA I 0 06 23 28.6 E 0 06 23 38.0 0.12 0.2 55
ECOG I 0 06 23 32.7 E 0 06 23 45.0 0.07 0.2 70
EVIA E 0 06 23 49.5 E 0 06 24 14.5 0.02 0.4 60

13 may 23h 06m 33.5s 36°40'N 03°11'W 4Km
rms ±0.7s mb 2.9 SE. CASTELL DE FERRO

EGUA I C 0 23 06 38.9 E 0 23 06 43.6 0.26 0.1 65
ECOG I D 0 23 06 45.5 E 0 23 06 54.4 0.11 0.2 65
ENIJ I D 0 23 06 48.9 E 0 23 06 59.8 0.10 0.2 50
ELUQ E 0 23 06 57.5 E 0 23 07 13.5 0.01 0.3 40
EHOR E 0 23 07 33.4 43
EVIA E 0 23 07 34.0 0.02 0.4 70

19 may 19h 13m 57.5s 36°58'N 04°42'W 24Km
rms ±0.6s mb 3.4 VALLE DE ABDALAJIS. MA

MAL E 0 19 14 05.2 I 0 19 14 11.0 85
LIJA I 0 19 14 08.0
ALJ I 0 19 14 14.0
RANB E 0 19 14 17.0
GIBL E 4 19 14 18.0
PLAT E 0 19 14 18.0
CNIL E 0 19 14 19.0
ELUQ E 0 19 14 10.0 E 0 19 14 20.0 0.07 0.2 60
EJIF E 0 19 14 11.2 E 0 19 14 23.5 0.11 0.2 80
EGUA E 0 19 14 13.3 E 0 19 14 25.5 0.05 0.2 75
EHOR E 0 19 14 14.0 E 0 19 14 27.0 0.15 0.2 90
ECOG E 0 19 14 14.1 E 0 19 14 27.0 0.09 0.2 65
EBAN E 0 19 14 21.5 E 0 19 14 37.0 0.11 0.2 50
EVAL E 0 19 14 23.3 E 0 19 14 46.0 0.02 0.2 75
EVIA E 0 19 14 33.5 E 0 19 15 02.0 0.05 0.2 100
EPLA E 0 19 14 45.5 E 0 19 15 22.7 0.02 0.3 90
EPRU I D 0 19 14 06.1 E 0 19 14 12.0 0.06 0.2 100
GUD E 0 19 14 51.3 E 0 19 15 32.8 0.3 105
PAB 4 19 14 57.0 0 19 15 20.0
ETOR E 0 19 15 02.3 E 0 19 15 50.0 0.4 100

EST I/E W HORA P I/E W HORA S AMP PER DUR

19 may 23h 34m 39.8s 38°06'N 01°11'W 3Km
rms ±0.8s mb 2.7 II-III MOLINA DE SEGURA. MU

EALH E 0 23 34 45.0 0 23 34 48.4 0.05 0.3 65
ACU E 0 23 34 53.0 0 23 35 03.5 0.02 0.2 50
VIV E 0 23 35 01.8 0 23 35 15.2 55
EVIA E 0 23 35 01.1 0 23 35 17.1 0.08 0.2 50
ENIJ I 0 23 35 03.9 0 23 35 21.8 0.01 0.3 50
ECHE E 0 23 35 06.9 0 23 35 26.1 0.2 55
EBAN E 0 23 35 13.4 0 23 35 38.8 45
ECOG E 0 23 35 15.7 0 23 35 40.0 0.2 60
EGUA E 0 23 35 17.0 0 23 35 46.6 55
GUD E 0 23 35 34.0 0 23 36 13.9 0.2 90
PAB 4 23 35 33.0 4 23 36 18.0

20 may 23h 49m 28.6s 43°05'N 00°36'W 2Km
rms ±0.7s mb 3.1 S. OLORON STE-MARIE. FR

ESCF 0 23 49 29.2 0 23 49 30.8
ATE 0 23 49 29.3 0 23 49 31.1
OGE 0 23 49 30.4
ISSF 0 23 49 30.6 0 23 49 33.6
MADF 0 23 49 30.6 0 23 49 33.9
LHE 0 23 49 31.2 0 23 49 34.2
JAU 0 23 49 31.5
EPF 0 23 49 40.3 0 23 49 50.4
VIH 0 23 49 48.0 E 0 23 50 02.8 55
EGRA E 0 23 49 49.0 E 0 23 50 04.9 0.03 0.2 60
PON 0 23 49 50.1 E 0 23 50 06.9
SOR 0 23 49 54.6 E 0 23 50 15.4
ECRI E 0 23 49 55.0 E 0 23 50 14.8 0.07 0.3 65
AVN 0 23 49 57.2 E 0 23 50 18.7 100
VIL 0 23 50 04.2
LPO 0 23 50 04.7 4 23 50 32.0
LFF 4 23 50 06.0 4 23 50 32.8
EROQ E 0 23 50 08.4 E 0 23 50 36.0 0.01 0.2 70
OLT 0 23 50 09.2
ETOR E 0 23 50 09.4 0 23 50 40.0 0.3 75
EBR 4 23 50 43.0
ETER E 0 23 50 12.8 70

21 may 02h 37m 35.2s 36°52'N 05°04'W 22Km
rms ±0.3s mb 2.5 W. CUEVAS DEL BECERRO. MA

EPRU E 0 02 37 39.5 E 0 02 37 43.5 0.02 0.3 40
EGUA E 0 02 37 55.4 E 0 02 38 10.0 0.01 0.3 40
EJIF E 0 02 37 45.0 E 0 02 37 53.0 0.02 0.3 45
ELUQ E 0 02 37 52.0 E 0 02 38 05.0 0.02 0.3 55
EHOR E 0 02 37 52.2 E 0 02 38 05.0 0.01 0.3 30
ECOG E 0 02 37 56.5 E 0 02 38 13.0 0.3 50

23 may 07h 40m 56.4s 35°16'N 02°26'W 6Km
rms ±0.8s mb 5.4 IV-V ISLAS CHAFARINAS

EMEL I D 0 07 41 04.2 E 0 07 41 10.5 330
TAF I C 0 07 41 05.0
OUJ E 0 07 41 10.0 E 4 07 41 23.5
ENIJ I C 0 07 41 23.9
EGUA I C 0 07 41 25.0 720
EMAL I D 0 07 41 30.4 I 4 07 42 12.0
ECOG I C 0 07 41 32.5 750
TGT E 0 07 41 36.0 I 0 07 42 06.0
EJIF I 0 07 41 38.0 682
EHUE I C 0 07 41 38.0 682
OJEN I 0 07 41 38.0
EALH I C 0 07 41 38.6 E 0 07 42 11.2 473
ELUQ I C 0 07 41 40.2 660
IFR I D 0 07 41 40.5 I 4 07 42 27.0
EPRU I C 0 07 41 42.0 670
PLAT I 0 07 41 42.5
ALJ I D 0 07 41 43.0
LIJA I 0 07 41 43.0
MSH I 0 07 41 43.0 I 4 07 42 13.0
EBAN I 0 07 41 44.5 496

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I.G.N.

EST I/E W HORA P I/E W HORA S AMP PER DUR

23 may 23h 03m 52.5s 35°16'N 02°23'W 5Km
rms ±0.9s mb 3.1 III ISLAS CHAFARINAS

EMEL I D 0	23 04 00.6	E 0	23 04 07.4	0.17	0.3	110
OUJ I 0	23 04 05.0	I 0	23 04 16.0			
ENIJ I D 0	23 04 20.0	E 0	23 04 41.5	0.13	0.3	150
EGUA I D 0	23 04 21.0	E 0	23 04 45.3	0.13	0.4	160
EMAL E 4	23 04 25.0	I 0	23 04 56.0			
ECOG I C 0	23 04 28.4	E 0	23 04 53.9	0.09	0.5	145
TGT E 0	23 04 33.5	E 0	23 05 03.0			
EHUE I D 0	23 04 33.9	E 0	23 05 04.2	0.03	0.3	100
EALH E 0	23 04 34.7	E 0	23 05 06.0	0.02	0.5	80
ELUQ I D 0	23 04 36.9	E 0	23 05 08.9	0.03	0.4	160
EJIF E 0	23 04 35.0	E 0	23 05 08.4	0.06	0.6	160
EPRU I D 0	23 04 38.7	E 0	23 05 11.5	0.05	0.5	140
PLAT E 0	23 04 39.0					
ALJ E 0	23 04 39.0					
LIJA E 0	23 04 39.5					
CHIL E 0	23 04 42.0					
EHOR I D 0	23 04 44.4	E 0	23 05 23.4	0.03	0.5	100
EVIA I C 0	23 04 45.8	E 0	23 05 24.0	0.08	0.5	170
VIV E 0	23 04 55.0					
ACU I C 0	23 04 47.2	E 0	23 05 30.0			
Eval I D 0	23 04 54.8					90
PAB 0	23 04 59.6	E 4	23 05 41.0			
ECHE E 0	23 05 00.0	E 0	23 05 50.5			
GUD I D 0	23 05 14.7	E 0	23 06 14.0			130
ETOR E 0	23 05 15.0	E 0	23 06 16.0			0.4 140
MOE E 0	23 05 17.0	I 4	23 06 19.0			

23 may 23h 39m 17.9s 35°14'N 02°22'W 4Km
rms ±0.8s mb 3.1 III ISLAS CHAFARINAS

EMEL I D 0	23 39 26.0	E 0	23 39 34.0	0.21	0.3	120
OUJ I 0	23 39 30.5	I 0	23 39 41.0			
ENIJ I C 0	23 39 45.3	E 0	23 40 10.0	0.10	0.4	130
EGUA E 4	23 39 51.5	I 4	23 40 12.5	0.08	0.3	140
EMAL E 4	23 39 51.5	I 4	23 40 15.5			
ECOG E 0	23 39 54.0	E 0	23 40 22.0	0.06	0.4	110
TGT E 0	23 39 58.5	E 4	23 40 25.0			
EHUE E 0	23 39 59.0	E 0	23 40 30.0			90
ELUQ E 0	23 40 02.2	E 0	23 40 34.0	0.03	0.5	100
EJIF E 0	23 40 02.5	E 0	23 40 34.0	0.03	0.4	100
EPRU E 0	23 40 04.0	E 0	23 40 37.0	0.03	0.5	90
PLAT E 4	23 40 06.0					
ALJ E 0	23 40 06.0					
LIJA E 0	23 40 06.0					
EHOR I D 0	23 40 09.5	E 0	23 40 53.0	0.03	0.5	80
EBAN E 0	23 40 10.9	E 0	23 40 44.2	0.03	0.5	90
IFR I 0	23 40 02.5	I 4	23 40 46.0			
EVIA E 0	23 40 10.9	E 0	23 40 49.5	0.03	0.3	130
Eval E 0	23 40 21.8	E 0	23 41 07.9			80
PAB 0	23 40 21.8	E 0	23 41 07.9			
ETOR E 0	23 40 40.0					130
MOE E 0	23 40 42.5	E 4	23 41 45.0			
EROQ E 0	23 40 45.5					
AVE E 4	23 40 30.0	E 0	23 41 19.0			

24 may 00h 05m 56.9s 35°24'N 02°36'W
rms ±0.3s mb 2.8 ISLAS CHAFARINAS

EMEL I D 0	00 06 03.1	E 0	00 06 09.2	0.07	0.3	51
ENIJ E 0	00 06 22.7	E 0	00 06 41.5	0.02	0.3	58
EGUA E 0	00 06 23.0	E 0	00 06 42.0	0.01	0.2	69
EHUE E 0	00 06 23.0	E 0	00 07 01.0			68
IFR I 4	00 06 47.2	I 4	00 07 26.0			

EST I/E W HORA P I/E W HORA S AMP PER DUR

24 may 09h 50m 33.7s 35°08'N 02°39'W 23Km
rms ±0.6s mb 3.3 III ISLAS CHAFARINAS

EMEL E 0	09 50 39.8	E 0	09 50 45.4	0.14	0.2	85
TAF I 0	09 50 41.5	I 4	09 50 53.0			
OUJ I 4	09 50 43.0	I 4	09 50 54.0			
ENIJ E 0	09 51 24.5	E 0	09 51 24.5	0.10	0.4	
EGUA E 0	09 51 25.6	E 0	09 51 25.6	0.10	0.3	154
EMAL I C 0	09 51 05.6	I 4	09 51 29.0			
ECOG E 0	09 51 08.1	E 0	09 51 34.4	0.07	0.5	
TGT E 4	09 51 10.5	E 0	09 51 34.5			
EHUE E 0	09 51 14.2	E 0	09 51 44.8			107
IFR I 4	09 51 16.0	I 4	09 51 58.0			
ELUQ E 0	09 51 16.3	E 0	09 51 46.5	0.04	0.5	130
EPRU E 0	09 51 16.6	E 0	09 51 48.0	0.04	0.5	135
EJIF E 0	09 51 14.5	E 0	09 51 44.0	0.11	0.6	90
EHOR E 0	09 51 23.6	E 0	09 52 03.1	0.03	0.5	113
EVIA E 0	09 51 26.6	E 0	09 52 05.5	0.06	0.5	114
Eval E 0	09 51 34.1	E 0	09 52 19.7	0.02	0.4	91
PAB 0	09 51 34.1	E 0	09 52 19.7			
AVE E 4	09 51 41.5	I 4	09 52 41.0			
ECHE E 0	09 51 41.8	E 0	09 52 32.5			32
MOE I C 0	09 51 55.5	I 0	09 52 58.5			
TIO I 4	09 52 00.0	I 4	09 53 11.0			
MTE I C 0	09 52 06.0	E 0	09 53 17.0			

24 may 13h 42m 07.2s 43°21'N 00°39'W 3Km
rms ±0.9s mb 2.9 NW. OLORON S. MARIE. FR

MADF 0	13 42 10.6	0	13 42 15.7			
OGE 0	13 42 10.4					
ATE 0	13 42 11.3	0	13 42 17.2			
ESCF 0	13 42 11.4					
BOH 0	13 42 12.6					
EPF 0	13 42 21.0	0	13 42 32.1			
VIH 0	13 42 29.6	0	13 42 49.1			
EGRA E 0	13 42 31.0	E 0	13 42 50.0	0.03	0.4	80
PON 0	13 42 33.3					
ECRI E 0	13 42 35.0	E 0	13 42 56.0	0.03	0.3	70
SOR 0	13 42 37.4	4	13 43 01.3			
LFF 0	13 42 39.6	0	13 43 02.2			
LPO 0	13 42 39.7	0	13 43 04.6			
ETOR E 0	13 42 52.0	E 0	13 43 24.0			0.4 70
EROQ E 0	13 43 04.5	E 0	13 43 23.0	0.02	0.3	70
GUD E 0	13 43 04.5	E 0	13 43 48.0			30
EBR 0	13 43 04.5					

24 may 14h 28m 34.7s 43°01'N 00°09'E 7Km
rms ±0.4s mb 2.7 S. BAGNERES BIGORRE. FR

BDBF 0	14 28 35.8	0	14 28 37.4			
EPF 0	14 28 37.1	0	14 28 39.7			
VIH 0	14 28 45.7	0	14 28 54.0			
SALF 0	14 28 47.8	0	14 29 00.2			
PON 0	14 28 48.4					
EGRA E 0	14 28 50.0	E 0	14 29 01.0	0.02	0.2	40
GRBF 0	14 28 53.6	0	14 29 08.2			
AVN 0	14 28 57.0	0	14 29 13.1			
LPO 0	14 29 04.6					
ECRI E 0	14 29 08.5					0.2 60

24 may 20h 52m 47.1s 37°06'N 05°37'W 22Km
rms ±0.5s mb 2.9 NW. EL CORONIL. SE

EPRU I D 0	20 52 54.2	E 0	20 52 59.9	0.03	0.2	38
EJIF I C 0	20 52 59.2	E 0	20 53 08.3	0.03	0.3	34
EHOR E 0	20 53 01.6	E 0	20 53 11.9	0.09	0.2	35
Eval E 0	20 53 04.7	E 0	20 53 18.7	0.03	0.2	49
ECOG E 0	20 53 13.0	E 0	20 53 32.5			
EGUA E 0	20 53 13.8	E 0	20 53 35.0			50
EVIA E 0	20 53 30.0					

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EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
02 jun	01h 54m 47.1s	34°56'N	02°49'W	9Km				
	rms ±0.8s		mb 3.0	S. NADOR.MAC				
EMEL I C	0	01 54 53.3	E 0	01 55 00.6	0.11	0.3	100	
EGUA E	0	01 55 20.0	E 0	01 55 44.0	0.02	0.4	91	
TGT E	0	01 55 21.5	E 0	01 55 44.5			100	
ENIJ E	0	01 55 22.1	E 0	01 55 45.9	0.02	0.4	69	
RSA E	0	01 55 26.5	E 4	01 55 53.5			100	
03 jun	07h 38m 37.1s	43°12'N	01°24'W	2Km				
	rms ±0.5s		mb 2.3	N VALLE BAZTAN.NA				
BOH	0	07 38 42.7	E 0	07 38 47.1				
ISSF	0	07 38 45.4	E 0	07 38 52.1				
ATE	0	07 38 47.0	9 0	07 38 53.5				
ESCF	0	07 38 48.6	7 0	07 38 56.7				
ECRI E	0	07 38 55.4	E 0	07 39 09.0			0.2	
EGRA E	0	07 39 06.6	E 0	07 39 28.3				
03 jun	11h 34m 50.4s	42°26'N	02°10'E	3Km				
	rms ±0.5s		mb 2.5	S. FONT-ROMEVE.FR				
TRGS	0	11 34 52.9	0	11 34 55.1				
VDCF	0	11 34 54.6	0	11 34 58.0				
VIL	0	11 34 56.8	0	11 35 02.1				
OLT	0	11 34 58.1	0	11 35 02.6				
ETER E	0	11 34 59.2	E 0	11 35 07.0	0.02	0.3	30	
PERF	0	11 35 00.3	0	11 35 06.9				
SOR	0	11 35 03.9						
EGRA E	0	11 35 17.0	E 0	11 35 34.0			0.3	35
03 jun	20h 50m 52.4s	38°17'N	03°12'W	4Km				
	rms ±0.8s		mb 2.8	SANTISTEBAN PUERTO.J				
EBAN I C	0	20 51 01.5	E 0	20 51 07.5	0.01	0.2	28	
EVIA I D	0	20 51 03.9	E 0	20 51 12.2	0.05	0.2	50	
EHUE I D	0	20 51 04.1	E 0	20 51 15.2	0.03	0.2	40	
ECOG I C	0	20 51 11.7	E 0	20 51 25.3	0.02	0.2	40	
EGUA E	0	20 51 19.5	E 0	20 51 36.6			50	
ESLA E	0	20 51 20.4	E 0	20 51 39.2				
EHOR I C	0	20 51 20.6						
GUD E	9	20 51 38.0	E 0	20 52 08.6			53	
05 jun	18h 01m 34.4s	36°35'N	04°57'W	13Km				
	rms ±0.2s		mb 2.3	SIERRA DE TOLOX.MA				
EJIF E	0	18 01 42.9	E 0	18 01 48.9	0.02	0.2	35	
EPRU E	0	18 01 42.9	E 0	18 01 48.8	0.01	0.4	38	
EGUA E	0	18 01 54.0	E 0	18 02 10.0	0.01	0.3	37	
EHOR E	0	18 01 56.4	E 0	18 02 12.5			36	
05 jun	18h 27m 08.1s	36°40'N	04°58'W	14Km				
	rms ±0.4s		mb 2.5	SIERRA DE TOLOX.MA				
MAL			I 0	18 27 23.0				
EPRU I D	0	18 27 15.6	E 0	18 27 20.5	0.03	0.4	50	
EJIF E	0	18 27 16.0	E 0	18 27 23.8	0.02	0.2	50	
ELUQ E	0	18 27 27.0	E 0	18 27 41.0			52	
EGUA E	0	18 27 27.6	E 0	18 27 44.0	0.01	0.3	45	
EHOR I C	0	18 27 28.4	E 4	18 27 41.5			0.2	40
VAL E	0	18 27 36.0						

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
05 jun	22h 19m 51.8s	36°45'N	04°56'W	21Km				
	rms ±0.6s		mb 3.2	SIERRA DE TOLOX.MA				
EPRU I C	0	22 19 58.9	E 0	22 20 03.8	0.16	0.2	120	
EMAL I C	0	22 19 59.0	E 0	22 20 06.3				
MAL I D	0	22 19 59.0	I 0	22 20 07.0	0.72	0.5		
LIJA I	0	22 20 00.0						
ALJ I	0	22 20 02.0						
GIBL I	0	22 20 07.5						
PLAT I	0	22 20 08.0						
EGUA E	0	22 20 09.6	E 0	22 20 25.5	0.07	0.2	100	
CNIL I	0	22 20 10.0						
ECOG E	0	22 20 12.7	E 0	22 20 27.5	0.05	0.4	120	
RANB E	4	22 20 15.0						
NKM I	4	22 20 17.0	I 0	22 20 31.5				
VAL E	0	22 20 18.0					0.02	0.3
ENIJ E	0	22 20 26.8					0.01	0.3
IFR I	4	22 20 57.0	I 4	22 21 25.0				
05 jun	22h 20m 06.9s	36°42'N	04°58'W	18Km				
	rms ±0.6s		mb 3.0	SIERRA DE TOLOX.MA				
EPRU E	0	22 20 14.0	E 0	22 20 18.0	0.20	0.3	110	
EMAL I C	0	22 20 14.9	E 0	22 20 22.0				
EGUA E	0	22 20 26.5	E 0	22 20 41.0	0.06	0.2	80	
ECOG E	0	22 20 29.2	E 0	22 20 44.0	0.04	0.2	100	
VAL E	0	22 20 35.0	E 0	22 20 55.0	0.02	0.3	90	
EHUE E	0	22 20 41.0	E 0	22 21 07.5			90	
FIG I D	0	22 20 41.8	E 0	22 21 09.2				
ENIJ E	0	22 20 42.8	E 0	22 21 09.0	0.01	0.4	100	
EVIA E	0	22 20 49.2	E 0	22 21 20.0	0.02	0.4	100	
MOE E	0	22 20 57.0	E 0	22 21 33.0				
EPLA E	0	22 20 59.0	E 0	22 21 39.0	0.02	0.4	110	
GUD E	0	22 21 06.5	E 0	22 21 51.0			0.4	120
MTE E	0	22 21 10.0	E 0	22 21 55.5				
ETOR E	0	22 21 16.5	E 0	22 22 06.0	0.01	0.4	140	
05 jun	23h 11m 06.5s	36°38'N	04°57'W	18Km				
	rms ±0.3s		mb 2.7	SIERRA DE TOLOX.MA				
EPRU I D	0	23 11 13.9	E 0	23 11 20.8	0.04	0.4	57	
EJIF I D	0	23 11 14.6	E 0	23 11 22.0	0.03	0.2	56	
MAL I C	0	23 11 14.8	E 0	23 11 21.5	0.18	0.3	64	
LIJA I	0	23 11 15.0						
ALJ I	0	23 11 17.0						
ELUQ E	0	23 11 25.8	E 0	23 11 39.7	0.02	0.3	60	
EGUA I C	0	23 11 25.9	E 0	23 11 41.0	0.02	0.3	58	
EHOR I D	0	23 11 26.8	E 0	23 11 42.6	0.02	0.3	54	
ECOG I C	0	23 11 29.1	E 0	23 11 44.8	0.01	0.2	67	
05 jun	23h 13m 45.9s	36°37'N	04°57'W	17Km				
	rms ±0.3s		mb 2.1	SIERRA DE TOLOX.MA				
EPRU E	0	23 13 53.5	E 0	23 14 00.0			0.3	25
EJIF E	0	23 13 54.5	E 0	23 14 01.0	0.02	0.4	30	
EGUA E	0	23 14 05.5					35	
EHOR E	0	23 14 06.3	E 0	23 14 23.0			30	
ECOG E	0	23 14 08.5	E 0	23 14 24.0			35	
05 jun	23h 28m 43.6s	36°42'N	04°59'W	14Km				
	rms ±0.8s		mb 3.4	SIERRA DE TOLOX.MA				
EPRU I C	0	23 28 50.8	E 0	23 28 56.2	0.24	0.3	109	
EMAL I D	0	23 28 51.1	E 0	23 28 58.2				
MAL I D	0	23 28 51.2	I 0	23 28 58.8	0.77	0.6	55	
EJIF I C	0	23 28 51.5	E 0	23 28 57.8			107	
LIJA I	0	23 28 51.6						
ALJ I	0	23 28 54.0						
GIBL I	0	23 28 58.6						
PLAT I	0	23 28 59.0						
CNIL I	0	23 28 59.9						
OJEN E	4	23 29 00.0						

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EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ACU	I	D	0	22 45 58.3	E 0	22 46 41.3	0.01	0.3 85
GIBL	E		4	22 46 00.0				
Eval	I	D	0	22 46 06.7		22 46 55.5	0.02	0.3 167
ECHE	I	D	0	22 46 11.2		22 47 01.5		184
GUD	I	D	0	22 46 25.6		22 47 27.0		178
ETOR	I	C	0	22 46 26.0		22 47 27.5		178
EPLA	I	D	0	22 46 26.5		22 47 29.5		149
MOE	E		0	22 46 29.0	E 0	22 47 32.0		
TIO	I		0	22 46 31.0	I 4	22 48 06.5		
EROQ	I	D	0	22 46 31.9				187
MTE	E		0	22 46 40.0	E 0	22 47 52.0		

10 jun 09h 32m 02.9s 37°01'N 04°34'W 4Km
rms ±0.4s mb 2.9 ANTEQUERA.MA

MAL	I	D	0	09 32 08.5	I 0	09 32 13.3	0.29	0.3 25
EPRU	E		0	09 32 12.2	E 0	09 32 20.0	0.01	0.4 50
ELUQ	E		0	09 32 13.5	E 0	09 32 22.5		50
EGUA	E		0	09 32 17.2	E 0	09 32 29.0	0.02	0.2 35
ECOG	E		0	09 32 19.2	E 0	09 32 30.5	0.02	0.2 50
EHOR	E		0	09 32 20.5	E 0	09 32 34.0	0.02	0.2 35
EBAN	E		0	09 32 26.2	E 0	09 32 44.5	0.01	0.2 40
Eval	E		0	09 32 33.8	E 0	09 32 57.0		50
Evia	E		9	09 32 46.5	E 0	09 33 14.0		65

10 jun 11h 31m 56.4s 36°32'N 03°47'E 20Km
rms ±0.4s mb 3.7 SE. THENIA.ARG

ESEL	I	C	0	11 32 45.7	E 0	11 33 23.0	0.05	0.2 105
ACU	E		0	11 32 53.8	E 0	11 33 37.0	0.01	0.3 80
ECHE	I	C	0	11 33 07.5	E 0	11 34 00.0	0.02	0.4 90
EROQ	E		0	11 33 10.0	E 0	11 34 04.5		0.3 100
Evia	E		0	11 33 14.6	E 0	11 34 14.0	0.01	0.4 135
ETER	I	D	0	11 33 20.8	E 0	11 34 23.0	0.02	0.3 85
EGUA	E		0	11 33 21.7	E 0	11 34 26.0		120
ECOG	E		0	11 33 22.5	E 0	11 34 27.0		0.3 125
ETOR	E		0	11 33 27.0	E 0	11 34 34.0		125
EGRA	E		0	11 33 27.2	E 0	11 34 33.7		135
LMR			0	11 33 37.4		11 34 53.4		
PGF			0	11 33 38.9		11 34 56.5		
EPF			4	11 33 39.1		11 34 52.5		
LRG			0	11 33 39.4		11 34 56.6		
GUD			0	11 33 41.5	E 0	11 35 01.9		
FRF			0	11 33 41.7				
SBF			0	11 33 46.9		11 35 10.4		

11 jun 03h 33m 47.3s 39°16'N 00°54'W 5Km
rms ±0.3s mb 2.7 II-III E. COFRENTES.V

VIV	I	C	0	03 33 50.5	E 0	03 33 53.2		
ACU	E		0	03 34 03.0	E 0	03 34 14.0	0.02	0.3 40
Evia	E		0	03 34 11.8	E 0	03 34 30.5	0.06	0.3 80
EALH	E		0	03 34 12.5	E 0	03 34 32.0		55
ETOR	E		0	03 34 18.0	E 0	03 34 40.0	0.01	0.3 75
ECOG	E		0	03 34 33.0	E 0	03 35 07.0	0.01	0.3 70
EBAN	E		0	03 34 27.0	E 0	03 34 58.0	0.01	0.3 65
EHUE					E 0	03 34 45.0	0.01	0.4 43
GUD	E		9	03 34 40.0	E 0	03 35 13.0		65

15 jun 02h 21m 42.3s 41°34'N 01°52'E 4Km
rms ±0.5s mb 2.7 ESPARRAGUERA.B

EROQ	E		0	02 22 06.9	E 0	02 22 24.0		50
EGRA	E		0	02 22 06.5	E 0	02 22 23.9	0.01	0.2 35
FBR			0	02 21 46.5				
FONT			0	02 21 50.8	E 0	02 21 57.3		
VIL			0	02 21 52.1	E 0	02 22 00.3		
OLT			0	02 21 55.5	E 0	02 22 05.0		
TRGS			0	02 21 59.3				
ALB			0	02 21 59.7				
VIH			0	02 22 06.6	E 0	02 22 24.4		
LSPF			0	02 22 07.9				

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EPF			0	02 22 15.5	E 0	02 22 39.3		
LPO					E 4	02 23 18.9		
CAF					E 4	02 23 27.0		

15 jun 06h 22m 19.5s 41°20'N 01°41'E 4Km
rms ±0.5s mb 3.3 VILLAFRANCA PENEDES.B

FONT			0	06 22 32.8		06 22 42.7		
SQD			0	06 22 36.1		06 22 48.5		
BRU			0	06 22 37.3		06 22 51.3		
OLT			0	06 22 38.1		06 22 51.4		
EROQ	E		0	06 22 39.2	E 0	06 22 53.7	0.03	0.2 37
SOR			0	06 22 39.7				
TRGS			0	06 22 41.2				
ALB			0	06 22 41.7	E 0	06 22 58.3		
EBR						06 22 52.0		
EGRA	E		0	06 22 43.4	E 0	06 23 00.4	0.04	0.2 50
ETER	E		0	06 22 43.6	E 0	06 23 00.6	0.05	0.2 33
VDCF			0	06 22 44.3				
VIH			0	06 22 45.7	E 0	06 23 04.3		
SALF			0	06 22 45.0				
GRBF			0	06 22 46.3				
EPF			9	06 22 54.5	E 0	06 23 19.8		
ETOR	E		0	06 23 05.3	E 0	06 23 39.0		65
LPO			4	06 23 21.6	E 4	06 24 05.3		
CAF			4	06 23 25.7	E 4	06 24 11.3		

15 jun 07h 02m 32.2s 43°05'N 01°09'W 3Km
rms ±0.3s mb 2.6 SE.ST-JEAN-PIED-PORT.FR

ECRI	E		0	07 02 53.0	E 0	07 03 07.5	0.01	0.2 34
EGRA	E		0	07 02 57.0	E 0	07 03 17.0		0.3 42
BOH			0	07 02 34.0				
MADF			0	07 02 36.7	E 0	07 02 40.3		
ISSF			0	07 02 37.2	E 0	07 02 41.3		
ATE			0	07 02 37.8	E 0	07 02 42.9		
LHE			0	07 02 39.6	E 0	07 02 45.4		

15 jun 10h 46m 38.0s 36°42'N 02°40'W 3Km
rms ±0.4s mb 2.9 S.ROQUETAS DE MAR

ENIJ	I		0	10 46 46.0	E 0	10 46 52.5	0.07	0.2 80
EGUA	E		0	10 46 51.3	E 0	10 47 01.1	0.09	0.3 56
ECOG	E		0	10 46 55.3	E 0	10 47 07.1	0.02	0.2 45
Evia	E		0	10 47 11.7	E 0	10 47 36.0	0.01	0.3 43

16 jun 01h 56m 46.1s 41°46'N 07°30'W 5Km
rms ±0.2s mb 2.8 CHAVES.PORT

ERUA	I	C	0	01 56 58.5	E 0	01 57 08.0	0.02	0.2 36
EZAM	E		0	01 57 03.6	E 0	01 57 17.1	0.03	0.3
STS	E		0	01 57 10.7	E 0	01 57 28.5	0.03	0.3 41
EMON	E		0	01 57 14.8	E 0	01 57 36.5		72
GUD	E		0	01 57 30.0	E 0	01 58 02.0		0.3 56
EPLA	E		0	01 57 19.5	E 0	01 57 44.0		0.3 56

16 jun 16h 45m 27.2s 37°16'N 02°20'W 4Km
rms ±0.3s mb 2.6 S. MACAEL.AL

ENIJ	E		0	16 45 32.4	E 0	16 45 37.4	0.04	0.2 33
EGUA	E		0	16 45 46.1	E 0	16 46 02.0	0.01	0.3 37
Evia	E		0	16 45 51.9	E 0	16 46 10.1	0.02	0.3 68
ELUQ	E		0	16 45 55.0	E 4	16 46 25.0		50
EHUE	E		0	16 45 38.0				50

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EST I/E W HORA P I/E W HORA S AMP PER DUR

25 jun 12h 29m 49.2s 41°59'N 01°12'E 6Km
rms ±0.5s mb 2.3 N PONTS.L

SOR	0	12	29	56.8					
PON	0	12	29	58.6					
VIL	0	12	29	58.8					
VIH	0	12	30	01.9					
ALB	0	12	30	09.7	0	12	30	27.7	
SALF	0	12	30	03.4					
FONT	0	12	30	05.9					
ETER E	0	12	30	12.3	0	12	30	29.0	0.2 35
EGRA E	0	12	30	02.7	0	12	30	12.0	0.2 30

27 jun 07h 24m 03.3s 37°08'N 03°36'W
rms ±0.9s mb 2.5 ARMILLA.GR

ECOG I D	0	07	24	05.8	E 0	07	24	07.0	0.09 0.2 40
EGUA I D	0	07	24	08.8	E 0	07	24	13.0	0.03 0.2 35
ELUQ E	0	07	24	16.0	E 0	07	24	23.5	
EVIA E	0	07	24	33.5	E 0	07	24	54.8	60
EBAN E	0	07	24	24.2	E 0	07	24	38.4	0.2 20

27 jun 13h 46m 17.2s 33°10'N 05°00'W 18Km
rms ±0.7s mb 3.5 ATLAS.MAC

IFR I	4	13	46	20.0	E 0	13	46	29.0	
CLZ I	0	13	46	21.0	E 0	13	46	24.5	
KSB I	0	13	46	35.6	I 0	13	46	49.5	
RBA I	0	13	46	45.0	E 0	13	47	07.0	
RTC I	0	13	46	46.5	I 0	13	47	07.0	
RSA I	0	13	46	47.5	I 0	13	47	11.5	
AVE I	0	13	46	48.2	E 0	13	47	15.0	
TAF I	0	13	46	59.0	E 4	13	47	10.0	
BMK E	4	13	46	52.5	E 4	13	47	19.5	
TSY E	0	13	46	53.5	I 0	13	47	21.0	
EMEL					E 0	13	47	31.0	95
TIO I	0	13	47	03.2	E 4	13	47	42.5	
OJK E	0	13	47	05.0	E 0	13	47	38.5	
EJIF E	0	13	47	06.9	E 0	13	47	45.5	0.02 0.4 100
EGUA E	0	13	47	13.5	E 0	13	47	58.0	0.02 0.3 120
EPRU E	0	13	47	15.0	E 0	13	47	55.5	0.01 0.5 125
ECOG E	0	13	47	20.0	E 0	13	48	07.0	110
ELUQ E	0	13	47	22.0	E 0	13	48	11.5	130
EVAL E	0	13	47	24.5	E 0	13	48	17.0	0.3 140
MOE E	4	13	47	41.0	E 4	13	48	45.0	
EVIA E	0	13	47	42.2	E 0	13	48	44.0	135
EPLA E	0	13	47	55.5	E 0	13	49	09.2	110

28 jun 03h 25m 41.9s 43°02'N 04°54'W 15Km
rms ±0.8s mb 3.2 NE RIAÑO.LE

ERUA I C	0	03	26	11.0	E 0	03	26	31.9	0.04 0.3 90
ECRI I C	0	03	26	11.9	E 0	03	26	32.0	0.17 0.2 120
GUD I C	0	03	26	18.3	E 0	03	26	47.8	0.02 0.3 110
STS E	0	03	26	24.4	E 0	03	26	56.3	0.02 0.3
EPLA E	9	03	26	37.0	E 0	03	27	12.1	0.05 0.3 120
ETOR E	0	03	26	28.7	E 0	03	27	04.6	0.04 0.3 150
EPF	0	03	26	40.8	E 0	03	27	24.2	
EGRA E	0	03	26	40.8	E 0	03	27	26.2	
LFF	0	03	26	47.7	E 0	03	27	37.8	
EROQ E	0	03	26	48.6	E 0	03	27	39.1	0.02 0.3 130
EVIA E	0	03	26	50.7					150
LPO	0	03	26	51.7	E 0	03	27	43.6	
MFF	0	03	26	53.9	E 0	03	27	47.9	
RJF	0	03	26	57.2	E 0	03	27	52.7	
CAF	0	03	27	00.4	E 0	03	27	59.3	
LSF	0	03	27	03.3	E 0	03	28	03.6	
LPF	0	03	27	04.9	E 4	03	28	04.3	

EST I/E W HORA P I/E W HORA S AMP PER DUR

28 jun 09h 39m 14.0s 44°11'N 07°02'W
rms ±0.7s mb 3.5 MAR CANTABRICO

STS I	0	09	39	40.3	E 0	09	40	00.3	188
ERUA I	0	09	39	41.1	E 0	09	40	02.0	0.16 0.3 197
ECRI I	0	09	40	08.7	E 0	09	40	47.0	0.04 0.3 136
GUD E	0	09	40	12.6	E 0	09	40	59.0	0.04 0.4 105
EPLA E	0	09	40	14.7	E 0	09	40	59.0	0.11 0.4 95
MTE E	4	09	40	21.5	E 4	09	40	53.0	
ETOR E	0	09	40	26.6	E 0	09	41	18.9	0.02 0.5 115
MFF	0	09	40	32.4	E 0	09	41	29.2	
EPF	0	09	40	33.2	E 0	09	41	31.3	
LFF	0	09	40	34.1	E 0	09	41	34.7	
LPF	0	09	40	36.0	E 0	09	41	35.3	
MOE E	0	09	40	37.0	E 0	09	41	38.0	
EGRA E	0	09	40	37.2	E 0	09	41	37.7	120
LPO	0	09	40	38.9	E 0	09	41	40.9	
EROQ E	0	09	40	46.0					
ETER E	0	09	41	00.1					
RJF	0	09	40	41.9	E 0	09	41	47.5	
COI					I 4	09	41	19.0	

30 jun 22h 33m 35.8s 41°58'N 02°38'E 3Km
rms ±0.4s mb 2.1 ANGLAS.GE

SQD I D	0	22	33	37.1	E 0	22	33	38.1	
OLT	0	22	33	39.9	E 0	22	33	42.9	
FONT E	0	22	33	40.5	E 0	22	33	44.3	
ALB I C	0	22	33	41.4					
ETER E	0	22	33	42.9	E 0	22	33	48.0	0.01 0.3
VIL I C	0	22	33	46.6					
EGRA					E 0	22	34	29.0	

01 jul 21h 31m 58.8s 37°11'N 03°25'W 13Km
rms ±0.2s mb 2.4 GUEJAR-SIERRA.GR

ECOG I	0	21	32	02.2	E 0	21	32	05.2	0.04 0.2 35
EGUA I D	0	21	32	05.9	E 0	21	32	11.0	0.01 0.2 20
EBAN E	0	21	32	17.7	E 0	21	32	31.0	0.2 25

03 jul 11h 56m 47.2s 42°12'N 03°02'W
rms ±0.2s mb 2.5 SE.FIGUERAS.GI

ETER I C	0	11	56	50.0	E 0	11	56	52.0	0.05 0.2 10
ALB D	0	11	56	51.8	E 0	11	56	55.4	1.00 0.2
PERF	0	11	56	52.9					

03 jul 13h 59m 03.3s 35°09'N 02°33'W 15Km
rms ±0.4s mb 2.9 W.ISLAS CHAFARINAS

EMEL E	0	13	59	10.0	E 0	13	59	15.7	0.07 0.4 25
TAF I	0	13	59	10.0	I 0	13	59	16.0	
ZAI I	0	13	59	11.0	I 0	13	59	16.0	
BMK I	4	13	59	14.5	E 4	13	59	22.5	
ENIJ E	0	13	59	32.5	E 0	13	59	54.9	0.03 0.3 65
PAL I	0	13	59	24.0	I 0	13	59	38.5	
EGUA E	0	13	59	33.9	E 0	13	59	56.9	67

04 jul 08h 40m 18.2s 41°45'N 02°03'W 2Km
rms ±0.1s mb 3.1 N.NOVIERGAS.SO

ECRI E	0	08	40	34.9	E 0	08	40	47.7	0.08 0.2 55
ETOR E	0	08	40	35.2	E 0	08	40	47.7	50
EGRA E	0	08	40	49.3	E 0	08	41	12.7	0.2 40
GUD E	0	08	40	51.6	E 0	08	41	15.2	50
EROQ E	0	08	40	52.9	E 0	08	41	19.0	
EPLA					E 0	08	41	53.0	

EST I/E W HORA P I/E W HORA S AMP PER DUR

05 jul 22h 00m 12.7s 37°08'N 05°22'W
 rms ±0.6s mb 2.3 E.MORON DE FRONTERA.SE

EPRU E	0	22	00	15.7	E 0	22	00	18.5	0.02	0.2	25
EJIF E	0	22	00	25.8	E 0	22	00	35.0		0.2	30
EVAL E	0	22	00	34.0	E 0	22	00	50.0			30
ECOG E	0	22	00	39.5	E 0	22	00	59.0			30
EBAN E	0	22	00	41.5	E 0	22	01	02.1		0.3	35

06 jul 12h 26m 58.6s 40°20'N 09°38'W 21Km
 rms ±0.6s mb 2.9 W.FIGUEIRA DA FOZ

LIS					I 0	12	27	44.9			
STS E	0	12	27	40.0	E 0	12	28	11.0	0.02	0.3	54
PTO E	0	12	27	17.6	E 0	12	27	33.2			
MTE E	0	12	27	24.5	I 0	12	27	43.5			
MOE E	4	12	27	27.5	I 0	12	27	54.0			
EZAM E	9	12	27	35.0	E 0	12	27	58.5	0.02	0.3	45
EPLA E	0	12	27	41.0	E 0	12	28	12.5		0.3	65
ERUA E	0	12	27	41.0	E 0	12	28	12.0		0.3	70
EVAL E	0	12	27	51.0	E 0	12	28	32.0	0.02	0.3	72
EMON E	0	12	27	51.6	E 0	12	28	30.0	0.01	0.3	80
GUD E	9	12	28	19.0	E 0	12	29	05.0			80

08 jul 02h 26m 11.3s 43°04'N 01°31'W 11Km
 rms ±0.5s mb 3.5 III-IV S. ELIZONDO.NA

ELIZ I D	0	02	26	13.5	E 0	02	26	15.6			110
ECRI I D	0	02	26	27.9	E 0	02	26	39.0	0.17	0.2	105
EPF				35.7							
EGRA I D	0	02	26	38.3	E 0	02	26	58.8	0.06	0.1	45
ETOR E	0	02	26	47.8	E 0	02	27	13.9	0.02	0.2	130
LPO				51.5				20.4			
EROQ E	0	02	26	53.2	E 0	02	27	23.4	0.04	0.2	100
LFF				50.2							
RJF				57.9							
GUD E	0	02	26	59.2	E 0	02	27	35.1			80
CAF				59.3							
EBR					4	02	27	38.0			100
ETER E	0	02	27	02.8							65
ECHE E	0	02	27	03.6							95
ERUA E	0	02	27	14.8		0	02	28	01.2		65
STS E	0	02	27	27.3							

08 jul 04h 37m 41.0s 37°48'N 03°35'W 6Km
 rms ±0.4s mb 2.5 MANCHA REAL.J

EBAN I D	0	04	37	48.6	E 0	04	37	54.2	0.02	0.3	40
ECOG E	0	04	37	50.0	E 0	04	37	57.5	0.01	0.3	30
EHUE E	0	04	37	56.0	E 0	04	38	06.5			25
EGUA E	0	04	37	58.0	E 0	04	38	12.5			34
EVIA E	0	04	38	03.0	E 0	04	38	18.3	0.03	0.3	35
ENIJ					E 0	04	38	23.5			43

08 jul 15h 19m 59.3s 42°39'N 02°19'E 9Km
 rms ±0.3s mb 2.6 PRADES.FR

VDCF				01.2	E 0	15	20	03.0			
MTHF				05.5							
LSPF				07.2	E 0	15	20	13.5			
PERF				07.5	E 0	15	20	13.9			
OLT				08.9	E 0	15	20	16.1			
ETER E	0	15	20	09.0	E 0	15	20	15.5	0.03	0.2	20
GRBF	0	15	20	10.2	E 0	15	20	18.8			
SALF	0	15	20	14.1	E 0	15	20	25.3			
LESF	0	15	20	14.6	E 0	15	20	26.7			
SOR				15.7							
VIH	0	15	20	20.0	E 4	15	20	33.0			

EST I/E W HORA P I/E W HORA S AMP PER DUR

EGRA E 0 15 20 26.5 E 0 15 20 45.5 0.3 33

09 jul 18h 12m 06.6s 35°42'N 00°35'E
 rms ±0.4s mb 3.4 ZEMMORA.ARG

ENIJ E	0	18	12	48.0	E 0	18	13	19.0	0.01	0.3	55
ACU					E 0	18	13	27.6			
EGUA E	0	18	13	01.0	E 0	18	13	43.0			34
ECOG E	0	18	13	04.5				46.0			65
EVIA E	0	18	13	06.0	E 0	18	13	50.0	0.01	0.3	55
ETOR E	0	18	13	28.0							73
EROQ E	0	18	13	23.0							67

10 jul 02h 10m 21.5s 36°27'N 05°40'W 12Km
 rms ±0.5s mb 2.9 ALCALA LOS GAZULES.CA

EJIF E	0	02	10	24.6	E 0	02	10	28.3	0.28	0.3	68
EPRU E	0	02	10	32.2	E 0	02	10	41.6	0.06	0.7	70
EHOR E	0	02	10	46.3	E 0	02	11	03.2			50
EVAL E	0	02	10	46.5	E 0	02	11	03.6	0.02	0.3	43
ELUQ E	0	02	10	48.0	E 0	02	11	08.0			53
ECOG E	0	02	10	51.0	E 0	02	11	15.0			53
EBAN E	9	02	11	06.2	E 0	02	11	33.2			54

10 jul 14h 53m 03.7s 42°45'N 02°00'E 3Km
 rms ±0.3s mb 3.1 W. PRADES.FR

ETER E	0	14	53	17.1	E 0	14	53	27.8	0.07	0.3	28
EPP				26.6				42.8			62
EGRA E	0	14	53	28.5	E 0	14	53	46.4	0.04	0.3	50
CAF	9	14	53	43.7				11.3			
EROQ					E 4	14	54	14.7	0.02	0.3	
TRGS				08.3				11.7			
VDCF				09.4				13.7			
GRBF				10.3				15.3			
MTHF				11.9				18.4			
SALF				14.3				23.1			
LESF				14.7				22.7			
VIL				15.6				23.9			
ALB				15.8				24.9			
OLT				17.0				26.0			
PERF				16.3				26.0			
MLS				16.4							
SOR				17.1				27.8			
SQD				19.5							
VIH				20.4				33.2			
PON				21.6							
ENSF				26.1				42.9			
ETOR E	0	14	54	00.0							

10 jul 18h 29m 38.5s 37°46'N 01°31'W 2Km
 rms ±0.5s mb 2.8 TOTANA.MU

EALH I D	0	18	29	39.9	E 0	18	29	42.8	0.14	0.3	42
EHUE E	0	18	29	54.0	E 0	18	30	06.2	0.01	0.4	40
ENIJ E	0	18	29	55.1	E 0	18	30	10.1	0.02	0.2	37
EVIA E	0	18	29	58.9	E 0	18	30	15.3	0.05	0.2	53
ECOG E	0	18	30	08.4	E 0	18	30	30.3	0.03	0.6	55
EBAN E	0	18	30	10.0	E 0	18	30	33.5	0.03	0.6	41
ETOR E	9	18	30	34.0	E 0	18	31	10.0			65

10 jul 19h 25m 34.5s 39°21'N 00°47'W 2Km
 rms ±0.2s mb 2.8 S. BUÑOL.V

ECHE E	0	19	25	39.5	E 0	19	25	43.5	0.08	0.3	52
EVIA E	0	19	26	01.5	E 0	19	26	21.2	0.02	0.3	56
ETOR E	0	19	26	05.0	E 0	19	26	27.2	0.01	0.4	67
EBAN E	9	19	26	22.0	E 0	19	26	54.0		0.4	45

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

EST I/E W HORA P I/E W HORA S AMP PER DUR

11 jul 02h 21m 25.8s 36°34'N 09°17'E
 rms ±0.6s mb 3.9 S. BEJA.TUNS

FAI 0 02 22 21.6
 GIB 0 02 22 26.6
 MEU 4 02 22 31.2
 ATN 0 02 22 43.5
 ESEL E 0 02 22 53.5 0.06 0.5
 PGF 0 02 22 55.1
 LMR 0 02 23 08.4 E 4 02 24 24.0
 LRG 0 02 23 09.7 E 0 02 24 30.9
 FRF 0 02 23 10.8 E 0 02 24 30.7
 SBF 0 02 23 13.8
 ACU E 0 02 23 19.5 0.03 0.4
 EROQ E 0 02 23 22.5 0.03 0.5
 ECHE E 0 02 23 29.5 0.02 0.3
 EALH E 0 02 23 30.0
 EGRA E 0 02 23 33.5 0.03 0.4
 ENIJ E 0 02 23 37.5
 VIV E 0 02 23 29.0 E 4 02 24 38.0
 LPG 4 02 23 40.0
 EPF 0 02 23 40.3
 EHUE E 0 02 23 41.5
 EVIA E 0 02 23 41.5 0.03 0.5
 ETOR E 0 02 23 45.0 0.02 0.5
 ECOG E 0 02 23 52.5 0.02 0.5
 ELIZ E 0 02 23 53.8
 RJF 0 02 23 54.3
 LFF 0 02 23 55.5
 EBAN E 0 02 23 55.0 0.4
 MAF 4 02 24 02.2
 BGF 0 02 24 01.7
 GUD E 0 02 24 04.0 0.4

11 jul 08h 57m 49.2s 37°02'N 04°34'W 2Km
 rms ±0.8s mb 3.7 III ANTEQUERA.MA

EMAL I D 0 08 57 53.6 I 0 08 57 57.5
 MAL 0 08 57 55.0 4 08 58 33.0
 ELUQ I D 0 08 57 59.3 E 0 08 58 07.6 0.38 0.3 160
 EPRU I C 0 08 57 59.9 E 0 08 58 05.5 0.17 0.2 122
 EGUA I C 0 08 58 02.6 E 0 08 58 14.8 110
 ECOG I C 0 08 58 03.6 E 0 08 58 16.6 0.31 0.2 162
 EJIF E 0 08 58 06.5 E 0 08 58 18.9 0.33 0.4 180
 EHOR I D 0 08 58 06.6 E 0 08 58 19.1 0.34 0.2 161
 EBAN I D 0 08 58 11.8 E 0 08 58 30.8 163
 PLAT I 0 08 58 15.0
 BIT E 0 08 58 17.0 E 0 08 58 39.0 100
 CPS E 0 08 58 17.5 E 0 08 58 38.0 100
 EHUE I D 0 08 58 19.8 E 0 08 58 42.7 0.12 0.3 100
 EVAL I C 0 08 58 19.9 E 0 08 58 43.8 0.11 0.3 135
 PAL E 0 08 58 21.0 I 0 08 58 45.5 70
 NKM I 4 08 58 22.3 0 08 58 43.0
 ENIJ E 0 08 58 22.0 E 0 08 58 47.1 0.09 0.4 115
 TSY I 0 08 58 22.5 I 0 08 58 47.0 120
 EMEL E 0 08 58 25.4 E 0 08 58 52.1
 EVIA E 0 08 58 26.0 E 0 08 58 54.8 0.22 0.4 153
 TOU I 0 08 58 26.3 I 0 08 58 52.0 60
 RSA E 0 08 58 28.5 I 0 08 58 57.0 130
 FIG E 0 08 58 29.2 I 4 08 59 06.0
 ZAI I 0 08 58 32.0 I 0 08 59 04.0 50
 EALH E 0 08 58 32.8 E 0 08 59 03.8 0.02 0.3 110
 TAF I 9 08 58 39.0 0 08 59 12.0
 EPLA E 0 08 58 40.6 E 0 08 59 18.7 0.10 0.3 133
 MOE I D 0 08 58 41.0 I 0 08 59 20.5
 VIV E 0 08 58 43.0 E 0 08 59 24.0 40
 GUD E 0 08 58 45.3 E 0 08 59 27.6 0.08 0.4 165
 ACU E 0 08 58 45.5 E 0 08 59 26.5
 ECHE E 0 08 58 47.8 E 0 08 59 31.5 0.03 0.4 125
 IFR I 4 08 58 49.0 0 08 59 27.0
 ETOR I D 0 08 58 53.6 E 0 08 59 43.0 0.05 0.5 165
 AVE I 4 08 59 00.0 0 08 59 47.0
 MTE E 4 08 59 01.0 I 0 08 59 38.0
 TIO I 4 08 59 28.5 0 09 00 37.5
 ERUA E 0 08 59 14.0

EST I/E W HORA P I/E W HORA S AMP PER DUR

11 jul 20h 11m 15.9s 37°02'N 04°30'W 5Km
 rms ±0.6s mb 2.6 ANTEQUERA.MA

EMAL I D 0 20 11 20.2 I 0 20 11 24.3
 MAL 0 20 11 22.0 0 20 11 26.0
 ELUQ E 0 20 11 26.0 E 0 20 11 33.0 0.01 0.4 40
 ECOG E 0 20 11 30.7 E 0 20 11 40.0 0.01 0.3 50
 EGUA E 0 20 11 31.0 E 0 20 11 40.3 0.02 0.3 40
 EHOR E 0 20 11 34.5 E 0 20 11 47.5 0.02 0.3 35
 EJIF E 0 20 11 34.5 E 0 20 11 47.0 50
 EBAN E 0 20 11 39.4 E 0 20 11 55.5 0.02 0.2 43
 EHUE E 0 20 11 46.0 E 0 20 12 06.6 45
 EVAL E 0 20 11 46.8 E 0 20 12 09.8 40
 EPRU E 0 20 11 28.0 E 0 20 11 35.0 40

12 jul 02h 53m 18.5s 35°12'N 02°27'W 6Km
 rms ±0.8s mb 3.5 ISLAS CHAFARINAS

EMEL I C 0 02 53 25.0 E 0 02 53 33.0 0.23 0.2 110
 ZAI I 0 02 53 26.0 E 0 02 53 33.0 120
 TAF I 0 02 53 27.5 E 4 02 53 40.0
 OUJ I 0 02 53 32.5 I 0 02 53 42.0
 TOU I 0 02 53 38.5 E 0 02 53 54.5
 PAL I 0 02 53 41.0 E 0 02 53 58.0
 ENIJ I C 9 02 53 44.6 E 0 02 54 06.6 0.05 0.2 123
 EGUA I D 9 02 53 45.4 E 0 02 54 09.4 0.06 0.3 153
 MAL I 0 02 53 53.0
 ECOG I C 0 02 53 53.8 E 0 02 54 22.3 0.04 0.4 100
 EHUE I C 0 02 53 59.1 E 0 02 54 30.4 122
 IFR I 0 02 54 01.0 I 4 02 54 44.0
 EJIF I C 0 02 54 01.7 E 0 02 54 34.8 0.05 0.5 122
 ELUQ E 0 02 54 02.6 E 0 02 54 36.0 0.03 0.5 150
 RSA E 0 02 54 03.0 E 0 02 54 36.5
 EPRU E 0 02 54 03.0 E 0 02 54 38.7 0.03 0.4 160
 TSY E 0 02 54 04.0 E 0 02 54 39.0
 CLZ E 0 02 54 05.0 E 0 02 54 41.0
 EBAN E 0 02 54 06.5 E 0 02 54 43.5 0.02 0.4 200
 EHOR E 4 02 54 09.1 E 0 02 54 50.4 0.02 0.4 123
 EVIA E 0 02 54 11.4 E 0 02 54 50.5 0.02 0.4 121
 ZFT E 0 02 54 12.5 E 0 02 54 53.0
 TNF E 0 02 54 13.0 E 0 02 54 53.0
 EVAL E 4 02 54 19.5 E 0 02 55 10.0 180
 KSB E 0 02 54 19.0 E 0 02 55 03.0
 TAZ I 0 02 54 27.0 E 0 02 55 17.5
 ETOR E 0 02 54 40.5 E 0 02 55 44.0 160
 TIO I 0 02 54 46.0 E 4 02 55 56.0

12 jul 03h 26m 39.0s 36°42'N 07°25'W 14Km
 rms ±0.5s mb 2.7 SE. FARO

FIG I C 0 03 26 48.0 I 0 03 26 56.5
 EVAL E 0 03 26 57.5 E 0 03 27 11.5 0.02 0.3 45
 EHOR E 0 03 27 13.2 E 0 03 27 36.0 35
 EBAN E 0 03 27 27.8 E 0 03 28 05.0 0.01 0.3 52
 ECOG E 0 03 27 27.0 E 0 03 28 03.6 46
 EPLA E 0 03 27 32.0 E 0 03 28 12.0 45
 EVIA E 0 03 27 43.0 E 0 03 28 31.3 55

12 jul 08h 48m 48.1s 37°08'N 03°43'W 5Km
 rms ±0.4s mb 2.5 LAS GABIAS.GR

ECOG I D 0 08 48 51.0 E 0 08 48 54.0 0.05 0.2 28
 EGUA I 0 08 48 54.6 E 0 08 48 58.2 0.02 0.2 30
 EBAN I D 0 08 49 07.5 E 0 08 49 22.0 0.2 30
 EHOR E 0 08 49 13.0 E 0 08 49 32.0 45

14 jul 22h 01m 52.8s 37°47'N 03°36'W 5Km
 rms ±0.4s mb 2.6 MANCHA REAL.J

EBAN E 0 22 02 00.0 E 0 22 02 06.0 0.02 0.2 40

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ECOG	E	0	22 02 01.8	E 0	22 02 09.6			30
ELUQ	E	0	22 02 03.8	E 0	22 02 11.0			35
EGUA	E	0	22 02 10.0	E 0	22 02 23.0			28
EVIA	E	0	22 02 15.0	E 0	22 02 30.0	0.2		35
EHUE	E	0	22 02 08.0	E 0	22 02 19.0			25
ETOR				E 0	22 03 21.5			

16 jul 00h 02m 10.1s 37°47'N 03°35'W 5Km
rms ±0.5s mb 2.7 MANCHA REAL.J

EBAN	I D	0	00 02 17.5	E 0	00 02 23.0	0.05	0.2	50
ECOG	I D	0	00 02 18.9	E 0	00 02 26.4		0.2	50
ELUQ	E	0	00 02 21.3	E 0	00 02 29.9			38
EHUE	E	0	00 02 24.7	E 0	00 02 35.9		0.2	51
EGUA	E	0	00 02 27.5	E 0	00 02 39.8			58
EVIA	E	0	00 02 32.0	E 0	00 02 47.1	0.03	0.2	57
EHOR	E	0	00 02 33.8	E 0	00 02 50.5			56
ENIJ	E	0	00 02 34.8	E 0	00 02 53.0			
EPLA				E 0	00 03 33.0			
ETOR	E	9	00 03 13.0	E 0	00 03 51.0			

16 jul 01h 47m 50.5s 35°41'N 00°04'E
rms ±0.7s mb 3.5 MOHAMMADIA.ARG

ENIJ	E	0	01 48 26.1	E 0	01 48 54.2	0.02	0.4	153
EALH	E	0	01 48 31.2					
ACU	E	0	01 48 35.6	E 0	01 49 09.0			95
EGUA	E	0	01 48 39.3	E 0	01 49 17.0			95
ECOG	E	0	01 48 43.3					99
EVIA	E	0	01 48 47.0	E 0	01 49 29.0	0.03	0.5	88
EBAN	E	0	01 48 51.1			0.03	0.2	92
EPRU				0	01 49 49.0			

16 jul 09h 51m 45.6s 37°47'N 03°35'W 2Km
rms ±0.7s mb 3.0 MANCHA REAL.J

EBAN	I D	0	09 51 53.1	E 0	09 51 58.9	0.06	0.2	100
ECOG	I D	0	09 51 54.2	E 0	09 52 01.9	0.03	0.2	65
ELUQ	I D	0	09 51 56.4	E 0	09 52 05.0	0.03	0.3	45
EHUE	E	0	09 52 00.1	E 0	09 52 11.2			
EGUA	E	0	09 52 02.6	E 0	09 52 15.3	0.03	0.3	60
EVIA	I	0	09 52 07.2	E 0	09 52 23.2	0.05	0.2	83
EHOR	I D	0	09 52 09.1	E 0	09 52 25.9			40
ENIJ	E	0	09 52 10.9	E 0	09 52 29.0	0.04	0.3	50
EPRU	E	0	09 52 13.0	E 0	09 52 33.0			55
EALH	E	0	09 52 16.6	E 4	09 52 40.8			35
VIV	E	9	09 52 31.5	E 0	09 53 02.0			
EVAL	E	9	09 52 32.0	E 0	09 53 02.0			58
GUD				E 0	09 53 07.5		0.3	
EPLA	E	0	09 52 32.7	E 0	09 53 09.0		0.3	75
ETOR				E 0	09 53 13.0	0.02	0.3	
MAL	E	0	09 52 09.5	E 0	09 52 25.5			

16 jul 17h 55m 29.7s 37°47'N 03°36'W 6Km
rms ±0.3s mb 2.5 MANCHA REAL.J

EBAN	I D	0	17 55 37.1	E 0	17 55 43.0	0.02	0.2	45
ECOG	E	0	17 55 39.0	E 0	17 55 46.0	0.02	0.2	20
ELUQ	E	0	17 55 41.0	E 0	17 55 48.0	0.02	0.3	20
EVIA	E	0	17 55 52.0	E 0	17 56 07.6			22

16 jul 20h 40m 31.3s 37°46'N 03°36'W
rms ±0.2s mb 2.3 MANCHA REAL.J

EBAN	I D	0	20 40 39.0	E 0	20 40 44.7	0.02	0.2	38
ECOG	E	0	20 40 40.5	E 0	20 40 47.0		0.2	20
ELUQ	E	0	20 40 41.5	E 0	20 40 50.0			20
EVIA	E	0	20 40 53.9	E 0	20 41 10.0			24

EST I/E W HORA P I/E W HORA S AMP PER DUR

16 jul 21h 15m 43.1s 37°41'N 07°36'W 5Km
rms ±0.6s mb 2.9 MERTOLA.PORT

FIG	E	0	21 15 55.5	I 0	21 16 02.0			
EVAL	I C	0	21 15 55.8	E 0	21 16 04.9	0.05	0.2	79
EPLA				E 0	21 16 57.5			
GUD				E 0	21 17 29.0			
EPRU				E 0	21 16 42.8			
EBAN	E	0	21 16 30.0	E 0	21 17 07.8	0.01	0.3	65

17 jul 00h 38m 42.4s 37°47'N 03°36'W 5Km
rms ±0.4s mb 2.5 MANCHA REAL.J

EBAN	I D	0	00 38 49.9	E 0	00 38 55.5	0.01	0.1	37
ECOG	E	0	00 38 50.9	E 0	00 38 58.2		0.2	37
ELUQ	E	0	00 38 53.5	E 0	00 39 01.5			25
EHUE	E	0	00 38 57.0	E 0	00 39 08.5			25
EVIA	E	0	00 39 04.5	E 0	00 39 20.0		0.2	36
ENIJ	E	0	00 39 06.5	E 0	00 39 25.5			27
EGUA	E	0	00 38 59.9	E 0	00 39 12.5			40

17 jul 13h 46m 28.5s 37°47'N 03°35'W 9Km
rms ±0.5s mb 2.8 MANCHA REAL.J

EBAN	E	0	13 46 36.0	E 0	13 46 41.8	0.06	0.2	80
ECOG	E	0	13 46 37.4	E 0	13 46 45.2	0.03	0.2	41
ELUQ	E	0	13 46 39.5	E 0	13 46 47.9			38
EHUE	E	0	13 46 43.2	E 0	13 46 52.9			48
EGUA	E	0	13 46 44.8	E 0	13 46 58.0	0.01	0.3	55
EVIA	E	0	13 46 50.6	E 0	13 47 06.2	0.03	0.2	50
ENIJ	E	0	13 46 54.0	E 0	13 47 11.0			50
EHOR	E	4	13 46 54.7	E 0	13 47 08.8			29
GUD				E 0	13 47 47.0			

18 jul 15h 32m 28.7s 35°21'N 02°27'W 3Km
rms ±0.8s mb 3.1 N. ISLAS CHAFARINAS

EMEL	I D	0	15 32 36.4	E 0	15 32 42.0	0.16	0.3	125
ZAI	I	0	15 32 38.0	I 0	15 32 46.5			100
BMK	I	4	15 32 42.5	I 4	15 32 53.5			120
OUJ	I	0	15 32 44.0	I 0	15 32 56.0			120
TOU	I	0	15 32 51.3	I 4	15 33 08.0			100
TAF				0	15 32 46.0			200
IFR	I	4	15 33 20.0	4	15 34 05.0			160
ENIJ	I C	0	15 32 55.8	E 0	15 33 18.6	0.05	0.2	145
EGUA	E	0	15 32 56.7	E 0	15 33 20.4	0.04	0.2	130
TZK	I	0	15 33 00.5	I 0	15 33 24.5			140
ECOG	I C	0	15 33 05.0	E 0	15 33 31.7	0.02	0.2	140
MAL	E	0	15 33 05.5	0	15 33 29.5			85
EHUE	E	0	15 33 09.4	E 0	15 33 39.1	0.01	0.2	95
EALH	E	0	15 33 10.1	E 0	15 33 41.2	0.02	0.3	85
ELUQ	I	0	15 33 11.4	E 0	15 33 43.1	0.01	0.4	100
EJIF	I	0	15 33 12.2	E 0	15 33 44.1	0.02	0.3	110
EPRU	E	0	15 33 12.5	E 0	15 33 46.4	0.01	0.3	95
EBAN	E	0	15 33 16.0	E 0	15 33 51.0		0.2	95
EVIA	E	0	15 33 19.7	E 0	15 33 57.6	0.02	0.3	115
EHOR	E	0	15 33 19.9	E 0	15 33 59.6			80
EVAL	E	0	15 33 30.5					85

18 jul 22h 29m 43.5s 37°48'N 03°32'W
rms ±0.2s mb 2.6 MANCHA REAL.J

EBAN	I D	0	22 29 51.2	I 0	22 29 56.7	0.04	0.2	42
ECOG	E	0	22 29 52.9	E 0	22 30 00.0		0.2	28
ELUQ	E	0	22 29 55.0					
EVIA	E	0	22 29 65.0	E 0	22 30 21.0	0.02	0.3	40
EGUA	E	0	22 30 02.0	E 0	22 30 14.0			

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

EST I/E W HORA P I/E W HORA S AMP PER DUR

18 jul 22h 52m 36.4s 37°47'N 03°34'W 16Km
rms ±0.5s mb 2.5 MANCHA REAL J

EBAN I D 0	22 52 44.0	I 0	22 52 49.9	0.02 0.2	72
ECOG E 0	22 52 45.5	E 0	22 52 51.8	0.02 0.2	32
ELUQ I D 0	22 52 47.7	E 0	22 52 56.0		39
EHUE I C 0	22 52 51.1	E 0	22 53 01.4	0.01 0.2	54
EGUA I D 0	22 52 54.0	E 0	22 53 06.3		0.3 46
EVIA E 0	22 52 58.4	E 0	22 53 12.9	0.02 0.2	55
ENIJ E 0	22 52 58.8	E 0	22 53 16.1		56
EHOR E 0	22 52 59.5	E 4	22 53 15.8		19

19 jul 08h 21m 26.4s 37°30'N 04°28'W 8Km
rms ±0.4s mb 2.7 CABRA.CO

ELUQ I C 0	08 21 29.4	E 0	08 21 33.0	0.04 0.3	35
EBAN I C 0	08 21 42.0	E 0	08 21 54.0	0.05 0.2	68
EGUA E 0	08 21 44.0	E 0	08 21 57.8		0.3 46
EVAL E 0	08 21 57.2	E 0	08 22 18.2		0.2 40
EVIA E 0	08 21 58.5	E 0	08 22 21.5		46

19 jul 11h 45m 10.4s 37°48'N 03°37'W 9Km
rms ±0.3s mb 2.5 MANCHA REAL J

EBAN I D 0	11 45 17.4	E 0	11 45 23.0	0.03 0.2	36
ECOG E 0	11 45 21.0	E 0	11 45 27.2	0.01 0.2	20
EGUA E 0	11 45 28.0	E 4	11 45 44.2		35
EVIA E 0	11 45 32.5	E 0	11 45 48.0		0.2 37
EHOR E 0	11 45 33.0	E 0	11 45 50.2	0.01 0.3	26

20 jul 14h 21m 29.1s 36°18'N 14°08'W 41Km
rms ±0.8s mb 4.3 ATLANTICO

FUL I C 0	14 22 32.5	I 0	14 23 17.0		
INMG E 0	14 22 37.0	E 0	14 23 28.0		
MOE I C 0	14 22 42.0	I 0	14 23 35.5		
LIS E 4	14 22 44.1	I 4	14 23 22.0		
FAR E 4	14 22 44.5	E 0	14 23 35.5		
FIG I C 4	14 22 45.5	I 0	14 23 37.5		
COI E 0	14 22 53.0	I 0	14 23 56.0		
EVAL I C 0	14 22 54.6	E 0	14 23 59.2	0.09 0.3	390
AVE I 0	14 22 57.5	E 4	14 24 01.5		
RTC E 0	14 22 58.5	I 4	14 24 02.0		130
CPS E 4	14 23 00.5	I 4	14 24 04.7		160
TSY E 0	14 23 03.0	E 4	14 24 06.0		250
MTE E 0	14 23 03.5	I 0	14 24 11.0		
PTO I C 4	14 23 03.6	I 0	14 24 08.1		
BIT I 0	14 23 04.0	I 4	14 24 08.5		160
RSA I 0	14 23 05.5	I 4	14 24 11.5		220
EJIF I C 0	14 23 07.1	E 0	14 24 21.9	0.09 0.3	200
NKM I 0	14 23 09.0	E 4	14 24 16.0		
EPRU I D 0	14 23 10.9	E 0	14 24 25.9	0.07 0.4	260
EHOR I D 0	14 23 11.2	E 0	14 24 26.7	0.05 0.3	260
EZAM E D 0	14 23 11.0	E 0	14 24 25.8	0.06 0.3	200
ZER E D 4	14 23 12.5	E 4	14 24 26.3		180
EPLA I D 0	14 23 12.5	E 0	14 24 29.2	0.03 0.2	230
STS E 0	14 23 20.0	E 0	14 24 41.3	0.02 0.2	
KSB E 0	14 23 17.0	I 4	14 24 33.5		200
TGT I 0	14 23 18.0	I 4	14 24 33.5		240
CFTV E 0	14 23 18.3	E 4	14 24 37.1		
IFR I 0	14 23 19.0	E 4	14 24 39.0		
EMAL I D 0	14 23 19.7	E 0	14 24 41.7		
MSH I 0	14 23 20.0	E 4	14 24 37.0		200
TIO I 0	14 23 20.0	E 0	14 24 41.0		
ELUQ I D 0	14 23 21.4	E 0	14 24 45.6	0.03 0.5	280
CLZ I 0	14 23 23.5	I 4	14 24 45.0		270
TBT E 0	14 23 23.5	E 4	14 24 46.7		
ERUA E 0	14 23 24.0	E 0	14 24 48.5	0.03 0.6	210
TNF I 0	14 23 24.5	I 4	14 24 46.5		240
GGC E 0	14 23 25.0	E 4	14 24 48.2		
TZK I 0	14 23 26.0	I 4	14 24 49.5		260
EBAN E 0	14 23 27.1	E 0	14 24 54.6	0.03 0.2	220
ECOG E 0	14 23 28.0	E 0	14 24 56.0	0.05 0.4	260

EST I/E W HORA P I/E W HORA S AMP PER DUR

EGUA E 0	14 23 28.0	E 0	14 24 57.4	0.05 0.4	230
EMON E 0	14 23 32.3	E 0	14 25 03.4	0.06 0.3	190
GUD E C 0	14 23 33.9	E 0	14 25 07.2		250
CHIE		E 0	14 25 11.6		
EHUE E 0	14 23 39.8	E 0	14 25 15.9	0.01 0.3	
EVIA I C 0	14 23 41.4	E 0	14 25 18.5	0.06 0.5	240
ENIJ I C 0	14 23 42.0	E 0	14 25 22.5	0.02 0.4	210
ETOR E 0	14 23 54.5	E 0	14 25 42.5	0.05 0.7	260
ELIZ E 0	14 24 10.2	E 4	14 26 19.9		

21 jul 02h 17m 19.9s 39°13'N 09°21'W 2Km
rms ±0.7s mb 3.2 S. PENICHE

LIS E 0	02 17 29.4	I 0	02 17 36.6		
MOE I C 0	02 17 38.2	I 0	02 17 52.5		
COI E 0	02 17 41.6	I 0	02 17 57.0		
MTE E 0	02 17 53.0	E 0	02 18 14.5		
EVAL E 0	02 18 01.5	E 0	02 18 34.0	0.02 0.3	90
EPLA E 0	02 18 02.0	E 0	02 18 35.0	0.02 0.3	80
EZAM E 0	02 18 07.0	E 0	02 18 42.5		80
GUD E 0	02 18 25.0	E 0	02 19 14.0		110

21 jul 01h 50m 04.1s 43°04'N 00°59'W
rms ±0.4s mb 2.4 SW. ARETTE.FR

BOH 0	01 50 05.0				
MADF 0	01 50 06.7	E 0	01 50 08.8		
ISSF 0	01 50 06.8				
ATE 0	01 50 08.1	E 0	01 50 11.1		
LHE 0	01 50 09.9				
ELIZ E 0	01 50 11.0	E 0	01 50 19.0	0.02 0.2	

21 jul 02h 23m 13.6s 37°47'N 03°35'W 3Km
rms ±0.4s mb 2.6 MANCHA REAL J

EBAN I D 0	02 23 21.1	E 0	02 23 26.5	0.03 0.2	73
ECOG I D 0	02 23 22.3	E 0	02 23 29.8	0.03 0.3	36
ELUQ E 0	02 23 25.0	E 0	02 23 33.0		35
EHUE E 0	02 23 28.2	E 0	02 23 39.7	0.02 0.3	44
EGUA E 0	02 23 30.7	E 0	02 23 43.6	0.02 0.3	55
EVIA E 0	02 23 35.3	E 0	02 23 51.6	0.03 0.2	56
ENIJ I D 0	02 23 39.0	E 0	02 23 57.3	0.02 0.3	35

21 jul 04h 25m 13.0s 42°41'N 01°03'E 5Km
rms ±0.4s mb 3.1 ESTERN D'ANEU.L

SALF 0	04 25 15.0		04 25 17.4		
VIH 0	04 25 17.2				
MLS 0	04 25 18.6	E 0	04 25 22.7		
SOR 0	04 25 19.0	E 0	04 25 22.7		
PON 0	04 25 19.2				
GRF 0	04 25 20.3				
LESF 0	04 25 20.6				
ENSP 0	04 25 22.9		04 25 29.1		
EPF 0	04 25 24.6		04 25 32.8		
TRGS 0	04 25 25.0		04 25 35.1		
LSPF 0	04 25 25.8				
EGRA I C 0	04 25 26.4	E 0	04 25 36.4	0.05 0.2	71
VIL 0	04 25 27.8				
AVN 0	04 25 28.0		04 25 40.4		
BRU 0	04 25 29.4				
VDCF 0	04 25 30.4		04 25 43.9		
BTH I D 0	04 25 31.9	I 0	04 25 45.0		
MTHF 0	04 25 33.4		04 25 48.7		
OLT 0	04 25 34.2		04 25 50.9		
MRB 0	04 25 35.6		04 25 51.7		
ALB 0	04 25 35.4		04 25 53.3		
SQD 0	04 25 36.6		04 25 54.2		
PERF 0	04 25 37.5		04 25 54.9		
FONT 0	04 25 37.6		04 25 55.7		
ETER I D 0	04 25 38.9	E 0	04 25 57.3	0.03 0.2	41
EROQ E 0	04 25 45.3	E 0	04 26 08.3	0.02 0.2	53

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EBR				E 4	04 26	12.0		
ELIZ E	9	04 25	49.7	E 0	04 26	14.0	0.02	0.3 48
LPO		0 04 25	45.8					
CAF		0 04 25	50.1					
<hr/>								
21 jul 13h 04m 53.5s 36°58'N 03°35'W 5Km rms ±0.6s mb 2.9 DURCAL.GR								
EGUA I D 0		13 04	57.1	E 0	13 04	59.0		64
ECOG I C 0		13 04	58.6	E 0	13 05	02.9		64
MAL E 0		13 05	05.2	E 0	13 05	14.8		
ELUQ E 0		13 05	08.9	E 0	13 05	20.0		93
ENIJ E 0		13 05	12.9	E 0	13 05	28.2	0.02	0.3 33
EHUE E 0		13 05	14.5	E 0	13 05	30.0		45
EBAN I C 0		13 05	16.0	E 0	13 05	32.0	0.02	0.2 54
<hr/>								
EPRU E 0 13 05 35.0								
EHOR E 0		13 05	21.0	E 0	13 05	40.5	0.02	0.3 85
<hr/>								
21 jul 19h 56m 11.8s 37°49'N 03°37'W 9Km rms ±0.5s mb 2.5 MANCHA REAL.J								
EBAN I D 0		19 56	19.0	E 0	19 56	24.6	0.02	0.2 40
EHOR E 0				E 0	19 56	52.0		
ECOG I 0		19 56	20.6	E 0	19 56	29.0	0.01	0.3 20
EHUE E 0		19 56	26.5	E 0	19 56	38.2		22
EGUA E 0		19 56	31.0	E 0	19 56	42.5		26
EVIA E 0		19 56	33.5	E 0	19 56	49.0	0.01	0.2 30
<hr/>								
21 jul 20h 02m 27.3s 37°48'N 03°35'W 4Km rms ±0.5s mb 2.9 MANCHA REAL.J								
EBAN I D 0		20 02	34.8	E 0	20 02	40.6	0.07	0.2 100
ECOG I C 0		20 02	35.8	E 0	20 02	43.2	0.07	0.2 60
ELUQ I D 0		20 02	38.3	E 0	20 02	46.7	0.03	0.4 50
EHUE I C 0		20 02	41.9	E 0	20 02	52.6	0.04	0.3 55
EGUA E 0		20 02	43.9	E 0	20 02	58.3	0.03	0.3 50
EVIA I D 0		20 02	49.2	E 0	20 03	04.8	0.08	0.3 80
MAL E 0		20 02	51.0	E 0	20 03	07.0		
EHOR E 0		20 02	51.1	E 0	20 03	07.8	0.06	0.3 50
ENIJ E 0		20 02	52.9	E 0	20 03	10.8	0.03	0.3 65
EPRU E 0		20 02	54.0	E 0	20 03	14.0		
<hr/>								
21 jul 21h 35m 49.5s 37°48'N 03°36'W 6Km rms ±0.4s mb 2.5 MANCHA REAL.J								
EBAN I D 0		21 35	56.9	E 0	21 36	02.5	0.02	0.2 40
ECOG I 0		21 35	58.3	E 0	21 36	07.0		15
EHOR E 0				E 0	21 36	30.0		
EHUE E 0		21 36	03.8					20
EVIA E 0		21 36	11.9	E 0	21 36	27.4	0.2	0.3 30
<hr/>								
22 jul 02h 27m 14.8s 37°50'N 03°38'W 9Km rms ±0.4s mb 2.4 MANCHA REAL.J								
EBAN I D 0		02 27	21.3	E 0	02 27	26.8	0.02	0.2 35
ECOG E 0		02 27	25.2	E 0	02 27	32.4		30
EGUA E 0				E 0	02 27	47.5		
EVIA E 0		02 27	36.0	E 0	02 27	52.6		30
EHOR E 0				E 0	02 27	54.2		
<hr/>								
22 jul 22h 52m 54.3s 37°48'N 03°36'W 9Km rms ±0.3s mb 2.7 MANCHA REAL.J								
EBAN I D 0		22 53	01.6	E 0	22 53	07.3	0.02	0.2 31
ECOG E 0		22 53	03.3	E 0	22 53	10.9	0.01	0.3 36

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ELUQ E	0	22 53	05.2	E 0	22 53	13.7		27
EHUE E	0	22 53	08.8	E 0	22 53	20.2		42
EGUA E	0	22 53	11.4	E 0	22 53	24.5	0.02	0.3 61
EVIA E	0	22 53	15.8	E 0	22 53	31.6	0.02	0.2 45
EHOR E	0	22 53	17.9	E 0	22 53	34.3	0.02	0.3 49
<hr/>								
23 jul 03h 59m 29.5s 38°18'N 01°18'W 3Km rms ±0.9s mb 3.0 SIERRA DE LA PILA.MU								
EALH I C 0		03 59	36.5	E 0	03 59	44.1	0.06	0.3 100
ACU I D 0		03 59	42.8	E 0	03 59	53.1	0.06	0.4 90
VIV E 0		03 59	48.0	E 0	04 00	01.0		120
EVIA I C 0		03 59	47.3	E 0	04 00	01.7	0.16	0.3 130
EHUE I D 0		03 59	50.5	E 0	04 00	04.6	0.07	0.3 100
ECHE E 0		03 59	52.4	E 0	04 00	10.6	0.05	0.4 110
ENIJ E 0		03 59	55.3	E 0	04 00	16.2	0.03	0.4 100
EBAN I C 0		03 60	01.0	E 0	03 60	26.5	0.03	0.3 110
EGUA E 0		03 60	08.8	E 0	03 60	36.0	0.03	0.4 95
ELUQ E 0		03 60	09.1	E 0	03 60	40.7	0.02	0.4 100
ETOR E 0		03 60	12.3	E 0	03 60	40.4	0.02	0.4 140
GUD E 0		03 60	20.9	E 0	03 60	55.4	0.01	0.4 120
<hr/>								
23 jul 13h 15m 02.1s 37°29'N 03°41'W 13Km rms ±0.5s mb 2.7 MONTILLANA.GR								
ECOG E 0		13 15	05.8	E 0	13 15	10.1	0.08	0.2 40
ELUQ E 0		13 15	11.8	E 0	13 15	17.9	0.02	0.2 36
EGUA E 0		13 15	13.9	E 0	13 15	23.2	0.02	0.3 50
EBAN E 0		13 15	14.6	E 0	13 15	22.9	0.03	0.1 47
EHUE E 0		13 15	19.5	E 0	13 15	31.9	0.02	0.2 45
EHOR E 0		13 15	24.9	E 0	13 15	40.7	0.04	0.2 44
EVIA E 0		13 15	26.9	E 0	13 15	45.8	0.01	0.2 53
<hr/>								
23 jul 13h 32m 35.5s 37°48'N 03°34'W 9Km rms ±0.4s mb 2.6 MANCHA REAL.J								
EBAN I D 0		13 32	42.9	E 0	13 32	48.5	0.03	0.2 50
ECOG E 0		13 32	44.7	E 0	13 32	51.8	0.02	0.2 31
ELUQ E 0		13 32	46.7	E 0	13 32	55.4		38
EHUE E 0		13 32	50.2	E 0	13 32	59.8	0.01	0.2 44
EGUA E 0		13 32	53.2	E 0	13 33	05.7		34
EVIA E 0		13 32	57.5	E 0	13 33	12.4	0.02	0.2 40
EHOR E 0		13 32	59.2	E 0	13 33	16.0	0.2	0.3 36
<hr/>								
23 jul 13h 47m 17.8s 38°06'N 03°29'W 4Km rms ±0.5s mb 2.8 N. CANENA.J								
EBAN E 0		13 47	22.5	E 0	13 47	25.6	0.03	0.2 40
EHUE E 0		13 47	32.1	E 0	13 47	41.5		35
ELUQ E 0		13 47	33.7	E 0	13 47	43.3		35
EVIA E 0		13 47	35.3	E 0	13 47	47.1	0.04	0.2 40
EHOR E 0		13 47	43.4	E 0	13 48	03.5	0.02	0.3 44
<hr/>								
23 jul 14h 01m 43.0s 36°26'N 03°00'W 2Km rms ±0.5s mb 3.2 MAR DE ALBORAN								
EGUA I 0		14 01	53.2	E 0	14 02	01.5	0.21	0.2 90
ENIJ I 0		14 01	58.0	E 0	14 02	10.0	0.11	0.3 90
MAL E 4				E 4	14 02	14.5		
ECOG I 0		14 02	00.5	E 0	14 02	13.4	0.05	0.3 62
EHUE E 0		14 02	07.8	E 0	14 02	27.3	0.03	0.3 50
ELUQ E 0		14 02	09.6	E 0	14 02	30.5	0.02	0.4 65
EPRU E 0		14 02	14.8	E 0	14 02	39.4		
EBAN E 0		14 02	14.9	E 0	14 02	39.0		55
EHOR E 0		14 02	20.0	E 0	14 02	49.0		60
EVIA E 0		14 02	20.1	E 0	14 02	47.3		80

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
24 jul 00h 13m 26.6s 42°57'N 00°17'E 2Km rms ±0.7s mb 3.2 BAGNERES DE BIGORRE.FR								
EPF	0	00	13	28.6	0	00	13	30.8
VIH	0	00	13	35.1				
JAU	0	00	13	35.4	0	00	13	42.7
MLS	0	00	13	36.1	0	00	13	46.0
OGF	0	00	13	37.2	0	00	13	46.2
SALF	0	00	13	38.0	0	00	13	47.6
PON	0	00	13	38.3				
LHE	0	00	13	38.5	0	00	13	47.5
EGRA E	0	00	13	41.0	E	0	00	13 51.7 0.08 0.2 84
GRBF	0	00	13	42.3	0	00	13	55.1
SOR	4	00	13	45.3	4	00	13	56.5
AVN	0	00	13	47.1	0	00	14	02.9
LSPF	0	00	13	47.9	4	00	14	06.8
TRGS	0	00	13	50.5	0	00	14	08.2
ELIZ E	0	00	13	50.9	E	0	00	14 08.3 0.05 0.2 62
VIL	0	00	13	53.1				
BRU	0	00	13	54.8	0	00	14	17.3
VDCF	0	00	13	54.9	0	00	14	15.6
MTHF	0	00	13	56.2	4	00	14	18.7
LPO	0	00	13	57.4				
ALB	0	00	13	59.1	4	00	14	25.2
MRB	4	00	13	59.5	4	00	14	22.9
OLT	4	00	13	59.6	4	00	14	23.0
LEF	0	00	14	00.0				
PERF	0	00	14	00.9	4	00	14	28.1
FONT	0	00	14	01.0	4	00	14	28.6
EROQ E	0	00	14	02.1	E	0	00	14 28.6 0.2 72
ETER E	9	00	14	03.5	E	0	00	14 29.0 0.02 0.2 54
CAF	0	00	14	04.2				
ETOR E	0	00	14	11.0	E	0	00	14 42.5 71
24 jul 02h 36m 12.3s 37°47'N 03°36'W 4Km rms ±0.2s mb 2.6 MANCHA REAL.J								
EBAN I D	0	02	36	20.0	E	0	02	36 25.7 0.02 0.2 31
ECOG E	0	02	36	21.0	E	0	02	36 28.3 30
EHUE E	0	02	36	27.1	E	0	02	36 38.5 43
EVIA E	0	02	36	34.2	E	0	02	36 50.7 0.01 0.2 38
EHOR E	0	02	36	36.1	E	0	02	36 53.3 37
24 jul 13h 44m 05.1s 37°48'N 03°38'W 5Km rms ±0.5s mb 2.5 MANCHA REAL.J								
EBAN I D	0	13	44	12.8	E	0	13	44 17.0 0.01 0.2 40
ECOG E	0	13	44	14.1	E	0	13	44 21.8 25
EHUE E	0	13	44	21.2	E	0	13	44 32.0 25
EGUA					E	0	13	44 36.5
EVIA E	0	13	44	27.4	E	0	13	44 43.0 0.02 0.3 30
EHOR					E	0	13	44 45.5
25 jul 01h 54m 27.5s 37°48'N 03°36'W 5Km rms ±0.3s mb 2.6 MANCHA REAL.J								
EBAN I D	0	01	54	34.8	E	0	01	54 40.0 0.03 0.2 40
ECOG E	0	01	54	36.4	E	0	01	54 44.4 0.02 0.3 30
ELUQ E	0	01	54	38.4	E	0	01	54 46.6 25
EHUE E	0	01	54	42.6	E	0	01	54 53.1 46
EGUA E	0	01	54	45.2	E	0	01	54 58.1 38
EVIA E	0	01	54	49.6	E	0	01	55 05.0 0.02 0.2 42
EHOR E	0	01	54	51.6	E	0	01	55 08.1 55
25 jul 10h 48m 31.7s 38°48'N 02°53'W 9Km rms ±0.3s mb 2.6 N.VILLAHERMOSA.CR								
EVIA I D	0	10	48	38.1	E	0	10	48 42.3 0.08 0.2 35
EBAN I	0	10	48	49.5	E	0	10	49 01.0 0.04 0.2 25
EHUE E	0	10	48	50.1	E	0	10	49 03.2 0.01 0.3 30
ESLA E	0	10	48	53.5	E	0	10	49 09.5

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
25 jul 13h 29m 49.9s 36°11'N 07°55'W rms ±0.6s mb 3.0 S.FARO								
FIG E	0	13	30	05.7	I	0	13	30 17.0
EVAL E	0	13	30	16.3	E	0	13	30 35.0 0.02 0.2 89
EJIF E	0	13	30	21.8	E	0	13	30 43.5 0.01 0.2 56
EPRU E	0	13	30	24.9	E	0	13	30 50.8 0.2 54
MOE E	0	13	30	25.0	I	0	13	30 52.5
EHOR E	0	13	30	30.5	E	0	13	30 59.4 0.01 0.3 86
ELUQ E	0	13	30	38.3	E	0	13	31 13.1 62
IFR I	0	13	30	41.5	0	13	31 19.0	
EGUA E	0	13	30	43.0	E	0	13	31 21.3 0.2 65
ECOG E	0	13	30	44.4	E	0	13	31 22.9 0.01 0.2 68
EBAN E	0	13	30	46.0	E	0	13	31 26.6 0.01 0.2 92
EPLA E	0	13	30	50.0	E	0	13	31 34.1 0.01 0.3
EHUE E	0	13	30	56.9	E	0	13	31 45.9 85
MTE					0	13	31 38.0	
EVIA E	0	13	31	01.3	E	0	13	31 53.9 82
TIO I	0	13	31	05.5	0	13	32 01.0	
25 jul 14h 35m 09.9s 37°06'N 04°00'W rms ±0.7s mb 2.7 S.HUETOR-TAJAR.GR								
ECOG I D	0	14	35	16.9	E	0	14	35 22.5 0.10 0.3 57
EMAL I C	0	14	35	17.2	E	0	14	35 25.3
EGUA E	0	14	35	17.2	E	0	14	35 24.7 0.06 0.2 64
ELUQ E	0	14	35	18.8	E	0	14	35 26.0 0.03 0.3 65
EBAN I C	0	14	35	29.7				0.04 0.2 52
EPRU E	0	14	35	30.1				0.01 0.4 49
EHOR E	0	14	35	32.2				0.02 0.4 49
EHUE E	0	14	35	34.5	E	0	14	35 52.8 0.01 0.2 61
EJIF E	0	14	35	35.9				0.02 0.4 52
MAL I C	0	14	35	18.2	0	14	35 25.0 52	
25 jul 16h 11m 12.4s 37°03'N 05°51'W rms ±0.3s mb 2.3 PALMAR DE TROYA.SE								
EPRU E	0	16	11	21.0	E	0	16	11 28.9 0.02 0.5 55
EJIF E	0	16	11	24.5	E	0	16	11 34.5 0.02 0.4 38
EVAL E	0	16	11	28.6	E	0	16	11 41.0 0.3 48
EHOR I C	0	16	11	28.6	E	0	16	11 41.5 47
25 jul 17h 58m 40.0s 38°22'N 01°42'W 2Km rms ±0.3s mb 2.6 SIERRA LOS DONCELES.AB								
EVIA I D	0	17	58	52.2	E	0	17	59 01.8 0.09 0.2 58
EALH E	0	17	58	49.9	E	0	17	58 57.7 0.02 0.3 53
EHUE I D	0	17	58	56.0	E	0	17	59 08.7 0.04 0.2 37
ACU I D	0	17	58	59.3	E	0	17	59 12.9 0.01 0.2 34
VIV E	4	17	59	03.0	E	4	17	59 15.5
ECHE E	0	17	59	03.9	E	0	17	59 22.4 0.01 0.4 47
ENIJ I D	0	17	59	06.1	E	0	17	59 25.3 0.01 0.4 45
EBAN E	9	17	59	07.4	E	0	17	59 28.6 0.02 0.2 43
ECOG E	0	17	59	11.6	E	0	17	59 34.5 0.02 0.3 48
EGUA E	0	17	59	15.8	E	0	17	59 42.1
GUD E	0	17	59	27.0	E	0	18	00 02.9 0.2 57
27 jul 03h 15m 01.5s 37°47'N 03°37'W 5Km rms ±0.2s mb 2.4 MANCHA REAL.J								
EBAN E	0	03	15	09.0	E	0	03	15 14.7 0.2 50
ECOG E	0	03	15	10.5	E	0	03	15 17.5 0.2 47
EHUE E	0	03	15	16.2	E	0	03	15 28.3 71
EGUA E	0	03	15	19.0				39
EVIA E	0	03	15	23.8	E	0	03	15 40.0 0.2 42
EHOR E	0	03	15	25.0	E	0	03	15 41.9 0.2 42

EST I/E W HORA P I/E W HORA S AMP PER DUR

27 jul 03h 15m 40.9s 37°47'N 03°36'W 7Km
rms ±0.1s mb 2.5 MANCHA REAL.J

EBAN I D 0 03 15 48.8 E 0 03 15 54.2 0.02 0.2 25
ECOG I 0 03 15 50.2 E 0 03 15 57.2 0.01 0.3 25
EVIA E 0 03 16 19.0 0.01 0.2
EHOR E 0 03 16 21.6 0.02 0.3
EHUE E 0 03 16 06.5

27 jul 12h 06m 23.2s 36°22'N 09°07'W
rms ±0.5s mb 3.0 S. CABO SAN VICENTE

EVAL E 0 12 06 57.5 E 0 12 07 22.5 0.02 0.2 80
MOE E 0 12 06 58.0 I 4 12 07 31.0
EJIF E 0 12 07 06.5 E 0 12 07 39.5 0.2 65
EPRU E 0 12 07 11.0 E 0 12 07 46.0 70
EHOR E 0 12 07 13.0 E 0 12 07 51.0 55
EPLA E 0 12 07 26.5 E 0 12 08 14.0 90
EGUA E 0 12 07 28.2 E 0 12 08 16.0 70
ECOG E 0 12 07 29.0 E 0 12 08 17.2 75
EBAN E 0 12 07 29.5 E 0 12 08 19.5 0.2 60
FIG E 9 12 08 45.0 I 0 12 09 01.5
TIO I 0 12 07 43.2 I 0 12 08 43.5

27 jul 16h 25m 20.6s 35°33'N 04°36'W 54Km
rms ±0.7s mb 2.9 E. ESTRECHO GIBRALTAR

EJIF I C 0 16 25 41.5 E 0 16 25 54.4 0.02 0.3 40
TZK E 0 16 25 44.5 I 0 16 26 03.0
EGUA I D 0 16 25 44.6 E 0 16 26 03.0 0.02 0.3 50
EPRU I D 0 16 25 46.0 27
ZER E 4 16 25 47.0 I 4 16 26 06.5
IFR I 0 16 25 52.0 E 0 16 26 15.0
ELUQ E 0 16 25 52.8 E 0 16 26 14.5 40
MSH E 0 16 25 54.5 I 0 16 26 18.0
EHOR I C 0 16 25 55.5 E 0 16 26 21.0 50
CLZ I 0 16 25 57.7 I 0 16 26 26.5
TNF I 0 16 26 06.5 I 0 16 26 40.0
EBAN I C 0 16 26 01.0 E 0 16 26 30.0 0.02 0.2 32
EVIA E 4 16 26 14.5 E 0 16 26 51.0 55
TIO I 0 16 26 34.0 E 0 16 27 28.0

28 jul 07h 57m 12.8s 34°55'N 04°16'W 4Km
rms ±0.2s mb 2.6 TARQUIST.MAC

TZK E 0 07 57 27.8 I 0 07 57 39.5
TGT E 0 07 57 32.0 I 0 07 57 46.5
EJIF E 0 07 57 43.5 I 0 07 58 07.6 0.3 60
CLZ E 0 07 57 46.0
EGUA E 0 07 57 46.2 I 0 07 58 11.0 0.2 65

28 jul 20h 24m 18.8s 42°57'N 02°40'E 2Km
rms ±0.4s mb 2.8 TUCHAN.FR

MTHF 0 20 24 20.5 E 0 20 24 22.2
VDCF 0 20 24 26.2
PERF 0 20 24 27.7 E 0 20 24 34.3
LSPF 0 20 24 28.8 E 0 20 24 36.9
TRGS 0 20 24 30.8 E 0 20 24 39.8
ETER I D 0 20 24 31.0 E 0 20 24 39.5 0.03 0.3 45
BRU 0 20 24 32.6 E 0 20 24 42.7
GRBF 0 20 24 33.7 E 0 20 24 46.6
OLT 0 20 24 33.8 E 0 20 24 44.3
PAND 0 20 24 35.4
SQD 0 20 24 36.5 E 0 20 24 50.4
VIL 0 20 24 37.2 E 0 20 24 50.0
LESF 0 20 24 37.2 E 0 20 24 50.5
SALF 0 20 24 38.4 E 0 20 24 52.8

EST I/E W HORA P I/E W HORA S AMP PER DUR

MLS 0 20 24 39.6 E 0 20 24 56.5
FONT 0 20 24 40.5 E 0 20 24 56.7
VIH 0 20 24 44.7 E 0 20 25 03.3
PON 0 20 24 46.3
MRB 0 20 24 46.3 E 0 20 25 05.5
SOR 9 20 24 48.2 E 0 20 25 05.9
CAF 4 20 24 48.3 E 4 20 25 16.1
LPO 4 20 24 48.6
ENSF 0 20 24 49.6 E 4 20 25 13.7
EGRA E 0 20 24 50.5 E 0 20 25 15.2 0.01 0.2 55
AVN 4 20 24 51.0 E 4 20 25 15.2
LRG 0 20 25 03.0
LMR 0 20 25 03.7 0 20 25 38.2
FRF 0 20 25 05.3

29 jul 15h 06m 54.1s 37°01'N 02°27'W 2Km
rms ±0.8s mb 3.2 IV SW. TABERNAS.AL

ENIJ I D 0 15 06 57.6 E 0 15 07 00.5 95
EHUE E 0 15 07 08.6 E 0 15 07 20.0 0.08 0.2 115
EGUA I C 0 15 07 09.4 E 0 15 07 23.0 0.12 0.2 105
ECOG I C 0 15 07 10.0 E 0 15 07 24.5 0.10 0.2 122
EALH E 0 15 07 15.3 E 0 15 07 30.4 0.03 0.3 78
EBAN I D 0 15 07 22.4 E 0 15 07 43.2 0.05 0.2 85
MAL E 0 15 07 22.5 4 15 07 54.5
ELUQ I D 0 15 07 20.9 E 0 15 07 40.1 0.04 0.4 93
EVIA E 9 15 07 23.6 E 0 15 07 44.3 0.13 0.3 104
ACU E 0 15 07 30.3 E 0 15 07 59.2 64
EPRU E 0 15 07 31.9 E 0 15 07 57.7 0.02 0.5 89
EHOR E 0 15 07 33.5 E 0 15 08 03.1 0.02 0.3 87
EJIF E 0 15 07 33.6 E 0 15 08 05.2 100
VIV E 4 15 07 40.5 E 4 15 08 17.5 97
ECHE I D 0 15 07 40.0 E 0 15 08 12.2 0.04 0.3 107
EFOR E 0 15 07 52.9 E 0 15 08 34.6 0.03 0.4 143
GUD E 0 15 07 54.0 E 0 15 08 37.0 0.01 0.4 108
EPLA E 0 15 07 58.3 E 0 15 08 43.7 0.2 102
ERQ E 0 15 08 01.7

29 jul 23h 45m 31.7s 40°26'N 03°05'W 9Km
rms ±0.5s mb 2.9 NW. PASTRANA.GU

GUD I D 0 23 45 46.7 E 0 23 45 58.5 0.01 0.2 50
ETOR E 0 23 45 47.0 E 0 23 45 59.2 0.03 0.3 55
EVIA E 0 23 46 02.0 E 0 23 46 24.0 0.04 0.3 55
ECHE E 0 23 46 02.9 E 0 23 46 24.5 45
EPLA E 0 23 46 36.5 60
EBAN E 0 23 46 08.2 E 0 23 46 36.9 0.2 30
EHUE E 0 23 46 13.8 E 0 23 46 45.1 0.2 55

30 jul 05h 24m 24.6s 37°41'N 03°32'W 2Km
rms ±0.2s mb 2.1 CAMBIL.J

ECOG I C 0 05 24 31.8 E 0 05 24 37.9 0.3 30
EBAN E 0 05 24 34.0 E 0 05 24 41.5 0.3 25
EGUA E 0 05 24 40.3 40
EHUE E 0 05 24 39.0 45
EVIA I 0 05 24 47.0 E 0 05 25 04.0 0.3 45
EHOR E 0 05 24 49.0 E 0 05 25 08.0 0.2 30

31 jul 07h 20m 13.2s 36°53'N 03°22'W 663Km
rms ±0.5s mb 3.9 ORJIVA.GR

EGUA I D 0 07 21 29.6 E 0 07 22 26.8
ECOG I C 0 07 21 29.8 E 0 07 22 27.0
ELUQ I D 0 07 21 30.5 E 0 07 22 28.6
EHUE I D 0 07 21 30.9 E 0 07 22 29.2
ENIJ I D 0 07 21 31.0
EBAN I D 0 07 21 31.3
EPRU I D 0 07 21 32.0 E 0 07 22 31.9
PAL I 0 07 21 32.5 E 0 07 22 32.5
EHOR I D 0 07 21 32.5

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EST I/E W HORA P I/E W HORA S AMP PER DUR

EJIF I D 0 07 21 32.7 E 0 07 22 33.6
 EALH E 0 07 21 33.4
 TOU I 0 07 21 33.5
 EVIA I D 0 07 21 33.7 E 0 07 22 34.3
 EVAL I D 0 07 21 36.7
 BIT I 0 07 21 37.0 E 4 07 22 29.0
 CPS I 0 07 21 37.0 E 4 07 21 40.0
 TZK I 0 07 21 37.5 E 0 07 22 41.0
 ESLA I D 0 07 21 37.5
 TGT I 0 07 21 39.0 E 0 07 22 44.0
 ECHE I 0 07 21 40.5
 GUD I D 0 07 21 42.8 E 0 07 22 51.6
 EPLA I D 0 07 21 42.8
 ETOR I D 0 07 21 45.0

01 ago 04h 35m 57.3s 40°39'N 01°36'E 11Km
 rms ±0.7s mb 3.1 E. TARRAGONA

EBR E 0 04 36 13.0
 FBR 0 04 36 13.7 E 0 04 36 24.2
 EROQ E 0 04 36 13.8 E 0 04 36 25.2 0.05 0.2 55
 MRB 0 04 36 14.0 E 0 04 36 26.5
 FONT 0 04 36 19.7 E 0 04 36 37.0
 ESEL E 0 04 36 20.0 E 0 04 36 37.4 0.02 0.2 43
 AVN 0 04 36 20.5 E 0 04 36 38.0
 VIL 0 04 36 22.5 E 0 04 36 41.6
 SQD 9 04 36 25.5 E 0 04 36 43.5
 BRU 0 04 36 26.3
 SOR 0 04 36 27.2
 EGRA E 0 04 36 28.3 E 0 04 36 50.9 0.02 0.3 62
 ALB 9 04 36 30.9 E 0 04 36 54.4
 ETER E 9 04 36 35.0 E 0 04 36 56.8 0.2 46

01 ago 06h 48m 59.2s 37°48'N 03°35'W 2Km
 rms ±0.5s mb 2.9 MANCHA REAL.J

EBAN I D 0 06 49 06.7 E 0 06 49 12.5 0.06 0.2 70
 ECOG I C 0 06 49 07.8 E 0 06 49 15.0 0.05 0.2 70
 ELUQ I C 0 06 49 10.1 E 0 06 49 18.8 0.04 0.3 55
 EHUE I C 0 06 49 13.8 E 0 06 49 24.9 0.05 0.3 50
 EGUA I C 0 06 49 16.4 E 0 06 49 29.2 0.03 0.3 65
 EVIA I C 0 06 49 21.0 E 0 06 49 36.9 0.06 0.2 65
 EMAL E 0 06 49 22.0 E 0 06 49 38.3
 EHOR E 0 06 49 22.4 E 0 06 49 39.6 0.05 0.2 50
 MAL E 0 06 49 23.8 I 0 06 49 39.5
 ENIJ E 0 06 49 24.5 E 0 06 49 42.6 0.02 0.2 41
 EPRU E 0 06 49 26.4 E 0 06 49 47.0
 VIV E 0 06 50 09.0

01 ago 13h 23m 50.5s 37°47'N 03°36'W 5Km
 rms ±0.1s mb 2.4 MANCHA REAL.J

EBAN I D 0 13 23 58.0 E 0 13 24 03.8 0.01 0.2 17
 ECOG I 0 13 23 59.8 E 0 13 24 07.0 0.2 17
 EVIA E 0 13 24 12.8 E 0 13 24 28.8 0.2 23
 EHOR E 0 13 24 31.3

01 ago 18h 34m 51.2s 37°48'N 03°35'W 5Km
 rms ±0.4s mb 2.6 MANCHA REAL.J

EBAN E 0 18 34 58.7 E 0 18 35 04.1 0.03 0.2 41
 ECOG E 0 18 35 00.2 E 0 18 35 07.3 0.02 0.2 39
 ELUQ E 0 18 35 02.0 E 0 18 35 10.6 41
 EHUE E 0 18 35 05.8 E 0 18 35 17.1 0.02 0.0 52
 EGUA E 0 18 35 08.9 E 0 18 35 21.9 0.3 57
 EVIA E 0 18 35 13.0 E 0 18 35 29.0 0.2 47
 EHOR E 0 18 35 15.6 E 0 18 35 31.8 0.2 15

EST I/E W HORA P I/E W HORA S AMP PER DUR

02 ago 06h 49m 01.4s 37°46'N 03°36'W 7Km
 rms ±0.5s mb 2.7 MANCHA REAL.J

EBAN I C 0 06 49 10.0 E 0 06 49 14.5 0.03 0.2 39
 ELUQ E 0 06 49 12.3 E 0 06 49 19.0
 EHUE E 0 06 49 16.2 E 0 06 49 26.5
 EGUA E 0 06 49 17.8 E 0 06 49 31.6 0.01 0.3 33
 EVIA I C 0 06 49 23.9 E 0 06 49 39.6 0.02 0.2 38
 ENIJ E 0 06 49 25.4 0.3 40
 EHOR I C 0 06 49 25.4 E 0 06 49 41.6 0.03 0.2 32

02 ago 19h 50m 19.8s 36°31'N 04°29'W 25Km
 rms ±0.4s mb 2.6 SE. FUENGIROLA

EGUA E 0 19 50 34.8 E 0 19 50 45.5 0.2 45
 ELUQ E 0 19 50 38.3 E 0 19 50 52.4 0.01 0.3 28
 EHOR E 0 19 50 43.1 E 0 19 51 00.8 0.2 27
 EBAN E 0 19 50 47.0 E 0 19 51 07.3 0.02 0.2 48
 EHUE E 0 19 50 50.3 E 0 19 51 14.1 38

02 ago 20h 14m 27.5s 37°48'N 03°37'W 5Km
 rms ±0.4s mb 2.5 MANCHA REAL.J

EBAN I D 0 20 14 34.7 E 0 20 14 40.6 0.02 0.2 30
 ECOG E 0 20 14 36.5 E 0 20 14 44.0 32
 EHUE E 0 20 14 41.7 E 0 20 14 53.5 0.01 0.2 27
 EGUA E 0 20 14 45.7 E 0 20 14 59.0 51
 EVIA E 0 20 14 49.6 E 0 20 15 05.6 48
 EHOR E 0 20 14 50.0 E 0 20 15 08.3 0.2 32

03 ago 01h 34m 41.8s 36°15'N 12°02'W 33Km
 rms ±0.8s mb 3.1 ATLANTICO

FIG E 0 01 35 34.0 E 0 01 36 12.0
 MOE E 0 01 35 37.0 I 0 01 36 16.5
 EVAL I D 0 01 35 46.4 E 0 01 36 34.9 0.02 0.3 106
 AVE E 0 01 35 52.0 0 01 36 43.0
 LIS E 0 01 36 08.0
 MPE E 0 01 36 58.0
 CIA 0 01 36 00.0 E 0 01 36 56.0
 OUK 0 01 36 09.5 E 0 01 37 13.0
 EPRU E 0 01 36 02.4 E 0 01 36 59.7 92
 EHOR E 0 01 36 03.5 E 0 01 37 02.4 0.01 0.2 115
 EPLA E 0 01 36 07.5 E 0 01 37 12.0 0.02 0.2 112
 EZAM E 0 01 36 11.7 0.2 118
 IFR E 0 01 36 12.0 0 01 37 18.0
 CLZ 0 01 36 16.0 E 4 01 37 21.0
 TIO I 0 01 36 16.5 0 01 37 25.5
 EGUA E 0 01 36 19.3 E 0 01 37 30.4 0.3 110
 EBAN E 0 01 36 20.1 E 0 01 37 31.5 0.3 137
 STS E 0 01 36 23.3
 ERUA E 0 01 36 24.0 E 0 01 37 39.0 0.2
 EHUE E 0 01 36 31.5 125
 EVIA E 0 01 36 34.7 138
 GUD 0 01 37 46.5 0.2

03 ago 19h 34m 31.1s 43°17'N 08°50'W 13Km
 rms ±0.6s mb 3.0 MALPICA.C

STS I D 0 19 34 39.8 E 0 19 34 45.8 0.10 0.2 85
 EZAM I 0 19 34 51.5 E 0 19 35 07.0 0.05 0.2 55
 ERUA I 0 19 34 58.0 E 0 19 35 16.5 0.04 0.3 50
 EPLA E 0 19 35 27.5 E 0 19 36 11.0 75
 GUD E 0 19 35 35.0 E 0 19 36 25.0 0.3 95

06 ago 00h 50m 35.6s 42°57'N 00°17'E 3Km
 rms ±0.6s mb 2.5 S. BAGNERES.FR

EPF 0 00 50 37.1 E 0 00 50 39.4
 BDBF 0 00 50 37.5 E 0 00 50 40.0

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
BTH	0	00	50	42.5	E 0	00	50	47.5
VIH	0	00	50	44.0	E 0	00	50	50.7
SALF	0	00	50	47.7	E 0	00	50	56.9
PON I D	0	00	50	47.5				
EGRA E	0	00	50	49.3	E 0	00	51	00.7
AVN D	0	00	50	56.2	E 0	00	51	12.2
LPO	0	00	51	08.5	E 0	00	51	31.6
LFF	9	00	51	11.5	E 0	00	51	37.2
ELIZ					E 0	00	51	19.0

09 ago 23h 00m 10.3s 42°39'N 02°38'E 3Km
rms ±0.8s mb 2.4 NE. PRADES.FR

VDCE	0	23	00	13.8				
PERF	0	23	00	14.9	E 0	23	00	18.5
MTHF	0	23	00	15.1	E 0	23	00	19.7
ALB I D	0	23	00	14.8	E 0	23	00	19.9
ETER E	0	23	00	17.0	E 0	23	00	22.0
TRGS	0	23	00	19.2	E 0	23	00	26.3
BRU I D	0	23	00	19.2	E 0	23	00	26.1
LSPF	0	23	00	21.0	E 0	23	00	29.6
SQD	0	23	00	22.9				
VIL I C	0	23	00	24.1				
FONT	0	23	00	26.9	E 0	23	00	39.6
VIH	0	23	00	35.0	E 0	23	00	52.7
SOR	9	23	00	35.5	E 0	23	00	50.6
EPF	0	23	00	41.3	E 0	23	01	04.4
EGRA E	9	23	00	45.0	E 0	23	01	08.0
LPO	9	23	00	52.0	E 0	23	01	21.5
CAF	9	23	00	52.3	E 0	23	01	22.2

10 ago 03h 00m 0.2s 37°41'N 02°35'W
rms ±0.6s mb 2.6 S. GALERA.GR

EHUE I C	0	03	00	02.3	E 0	03	00	04.5
ENIJ E	0	03	00	14.9	E 0	03	00	24.2
ECOG E	0	03	00	17.9	E 0	03	00	28.0
EVIA E	0	03	00	18.0	E 0	03	00	31.0
EBAN I D	0	03	00	20.0	E 0	03	00	33.3

11 ago 06h 11m 15.7s 41°09'N 07°50'W 8Km
rms ±0.7s mb 3.5 IV PESO DA REGUA.PORT

PTO I	0	06	11	25.8	I 0	06	11	32.0
MTE I D	0	06	11	29.2	I 0	06	11	40.0
COI I D	0	06	11	35.0	I 0	06	11	48.3
EZAM E C	0	06	11	36.8	E 0	06	11	51.7
ERUA I C	0	06	11	39.7	E 0	06	11	57.0
EPLA I D	0	06	11	44.6	E 0	06	12	05.8
STS I C	0	06	11	47.2	E 0	06	12	10.0
MOE I C	0	06	11	57.0	E 0	06	12	28.5
GUD I D	0	06	11	59.8	E 0	06	12	32.0
FIG E	0	06	12	17.3	E 4	06	13	25.0
LIS E	9	06	12	08.9	E 0	06	12	38.3
EVAL E	0	06	12	11.3	E 0	06	12	52.9
EHOR I D	0	06	12	14.1	E 0	06	12	58.8
ECRI E	0	06	12	19.1	E 0	06	13	06.6
EBAN I C	0	06	12	19.9	E 0	06	13	08.8
ETOR I D	0	06	12	21.5	E 0	06	13	12.1
ELUQ E	0	06	12	24.0	E 0	06	13	13.1
EPRU E	0	06	12	24.9	E 0	06	13	17.9
EVIA E	0	06	12	28.3	E 0	06	13	20.2
ELIZ E	0	06	12	30.4	E 0	06	13	27.0
EJIF E	0	06	12	32.0	E 0	06	13	25.9
ECOG E	0	06	12	32.3	E 0	06	13	27.0
EHUE E	0	06	12	33.4	E 0	06	13	31.0
VIV E	0	06	12	35.5	E 0	06	13	37.0
ECHE E	0	06	12	36.5	E 0	06	13	37.2
EGUA E	0	06	12	37.5	E 0	06	13	36.0
ENIJ E	0	06	12	45.3	E 0	06	13	45.3
BTH	4	06	12	46.0	E 4	06	14	06.0
EGRA E	0	06	12	46.7	E 0	06	13	55.0
EPF	0	06	12	48.8	E 4	06	13	49.5

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
LFF	0	06	13	00.3				
LPO	0	06	13	03.6	0	06	14	23.7
MFF	0	06	13	06.3	4	06	14	28.7

11 ago 11h 48m 27.2s 36°58'N 02°32'W 2Km
rms ±0.6s mb 3.1 GADOR.AL

ENIJ I D	0	11	48	31.6	E 0	11	48	34.9
EGUA I D	0	11	48	42.0	E 0	11	48	53.6
EHUE E	0	11	48	42.3	E 0	11	48	53.6
ECOG I D	0	11	48	42.6	E 0	11	48	54.5
EBAN I D	0	11	48	55.3	E 0	11	49	15.4
ELUQ E	0	11	48	55.3	E 0	11	49	14.8
EVIA E	0	11	48	57.4	E 0	11	49	17.9
EHOR E	0	11	49	05.2	E 0	11	49	34.1

11 ago 13h 28m 11.9s 36°49'N 03°00'W 6Km
rms ±0.6s mb 2.5 N. ADRA.AL

EGUA E	0	13	28	19.3	E 0	13	28	27.1
ECOG E	0	13	28	23.8	E 0	13	28	32.6
ENIJ E	0	13	28	23.8	E 0	13	28	33.0
ELUQ E	0	13	28	36.0	E 0	13	28	51.0

14 ago 20h 18m 41.9s 41°49'N 03°03'E 2Km
rms ±0.8s mb 2.8 S. PALAMOS.GI

SQD	0	20	18	48.4				
FONT	0	20	18	48.5	E 4	20	18	53.7
OLT	0	20	18	51.2	E 0	20	18	58.7
ETER E	0	20	18	51.7	E 0	20	18	59.0
ALB I D	0	20	18	50.2	E 0	20	18	58.8
PERF C	0	20	18	55.0				
BRU D	0	20	18	54.8				
VIL I D	0	20	18	57.4	E 0	20	19	11.2
VDCE	0	20	18	59.1				
TRGS	0	20	19	01.5				
PAND	0	20	19	05.2				
SOR	9	20	19	10.6	E 0	20	19	31.0
GRBF	0	20	19	08.6				
SALF	0	20	19	10.9				
AVN	0	20	19	11.8	E 0	20	19	32.8
PON	0	20	19	13.5	E 0	20	19	36.5
VIH	0	20	19	14.6	E 0	20	19	39.2
EGRA E	0	20	19	17.3	E 0	20	19	43.0
EROQ E	0	20	19	19.0	E 0	20	19	46.9
EPF	0	20	19	22.0	4	20	19	53.0
LRG	0	20	19	28.0	0	20	20	03.6
LMR	0	20	19	29.0	0	20	20	04.0

14 ago 22h 57m 23.7s 36°36'N 03°03'W 3Km
rms ±0.5s mb 2.9 S. ADRA

EGUA E	0	22	57	31.8	E 0	22	57	38.5
ENIJ E	0	22	57	37.0	E 0	22	57	48.5
ECOG E	0	22	57	38.6	E 0	22	57	48.2
ELUQ E	0	22	57	49.0	E 0	22	58	07.0

15 ago 06h 35m 43.0s 35°35'N 00°20'W
rms ±0.7s mb 3.2 SIDI-BEL-ABBES.ARG

ENIJ E	0	06	36	15.8	E 0	06	36	42.5
EALH E	0	06	36	21.9	E 0	06	36	50.5
EGUA E	0	06	36	27.0	E 0	06	37	04.5
EHUE E	0	06	36	28.5				
ACU E	0	06	36	28.8	E 0	06	37	03.0
ECOG E	0	06	36	32.0	E 0	06	37	07.0
EVIA E	0	06	36	37.5	0	06	37	17.9

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EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EBAN	E	0	06 36 40.7	0	06 37 23.3			
VIV	E	0	06 36 40.7	0	06 37 23.0			
ELUQ	E	0	06 36 40.9					
ECHE	E	0	06 36 44.0	0	06 37 30.0			80
ESEL				0	06 37 50.0			80
GUD		0	06 37 10.0					

15 ago 16h 45m 13.2s 39°02'N 02°44'W 5Km
rms ±0.4s mb 2.8 OSSA DE MONTIEL.AB

EVIA	E	0	16 45 21.0	E 0	16 45 26.7	0.05	0.2	30
EBAN	E	0	16 45 34.9	E 0	16 45 50.6	0.02	0.2	30
EHUE	E	0	16 45 35.5	E 0	16 45 52.0			30
ETOR	E	0	16 45 45.0	E 0	16 46 07.5		0.2	40
GUD	E	0	16 45 45.5	E 0	16 46 11.2			45

15 ago 16h 46m 09.3s 39°00'N 02°48'W 2Km
rms ±0.4s mb 2.9 OSSA DE MONTIEL.AB

EVIA	E	0	16 46 17.3	E 0	16 46 23.0	0.13	0.2	50
ESLA	0	16 46 28.9	0	16 46 44.7				
EBAN	E	0	16 46 30.1	E 0	16 46 46.0	0.02	0.2	30
EHUE	E	0	16 46 31.8	E 0	16 46 47.0	0.03	0.2	40
ECHE	E	0	16 46 36.3	E 0	16 46 56.5			35
ETOR	E	0	16 46 42.0	E 0	16 47 06.2		0.2	50
GUD				E 0	16 47 06.7		0.2	50
EHOR				E 0	16 47 15.0			

15 ago 22h 32m 24.4s 40°18'N 01°06'W 3Km
rms ±0.5s mb 3.4 IV TERUEL.T

ECHE	E	0	22 32 37.3	E 0	22 32 47.3	0.19	0.2	160
ETOR	I D 0	22 32 40.3	E 0	22 32 53.3	0.16	0.2	210	
VIV	E	0	22 32 44.0	E 0	22 32 59.0			
EROQ	I D 0	22 32 47.0	E 0	22 33 04.5				135
EBR	E	0	22 32 48.0	E 0	22 33 07.0			
ACU	E	0	22 32 55.4	E 0	22 33 19.1	0.03	0.3	120
EVIA	I D 0	22 32 57.4	E 0	22 33 22.0	0.10	0.2	175	
EGRA	I D 0	22 32 59.5	E 0	22 33 26.9	0.07	0.2	180	
ESLA	0	22 33 00.9	E 0	22 33 29.4				
GUD	I D 0	22 33 02.9	E 0	22 33 31.2	0.06	0.2	170	
ECRI	E 0	22 33 05.9	E 0	22 33 36.5	0.09	0.2	150	
EHUE	E 0	22 33 08.4	E 0	22 33 39.9	0.02	0.3	170	
ELIZ	E 0	22 33 10.4	E 0	22 33 45.0	0.02	0.2	150	
EBAN	I D 0	22 33 10.7	E 0	22 33 46.1	0.02	0.2	100	
EPF	0	22 33 11.0	0	22 33 45.7				
BTH	4	22 33 12.5	4	22 33 48.5				
ENIJ	E 0	22 33 18.5	E 0	22 33 57.8				135
ETER	I D 0	22 33 19.7	E 0	22 34 01.5	0.02	0.3	135	
ELUQ	E 0	22 33 20.7	E 0	22 34 04.6	0.01	0.3	170	
EPLA	E 0	22 33 22.7	E 0	22 34 06.0	0.03	0.3	185	
EHOR	E 0	22 33 26.0			0.01	0.3	140	
MVO	I D 0	22 33 32.0	I 4	22 34 23.0				
LPO	0	22 33 34.4	0	22 34 27.2				
EPRU	E 0	22 33 35.0						120
LFF	0	22 33 36.3	0	22 34 30.8				
MTE	E 0	22 33 37.0	E 0	22 34 32.5				
ERUA	E 0	22 33 39.0						
CAF	0	22 33 40.6	0	22 34 38.2				
RJF	0	22 33 42.5	4	22 34 41.2				
MOE	E 0	22 33 50.5	E 4	22 34 54.0				

16 ago 01h 40m 20.7s 39°26'N 00°56'W 3Km
rms ±0.6s mb 2.7 N.BUÑOL.V

ECHE	I D 0	01 40 22.9	E 0	01 40 26.1	0.14	0.2	50	
VIV	E 0	01 40 24.0	E 0	01 40 29.0				
EVIA	I C 0	01 40 47.3	E 0	01 41 05.6	0.02	0.3	57	
EROQ	E 0	01 40 51.0	E 0	01 41 13.0		0.2	45	
EHUE	I C 0	01 40 54.0	E 0	01 41 20.4		0.3	60	
EBAN	E 0	01 41 01.8	E 0	01 41 33.6			58	
GUD	E 9	01 41 10.3	E 0	01 41 42.9		0.4	57	

16 ago 08h 32m 11.9s 39°26'N 00°48'W 3Km
rms ±0.9s mb 2.8 BUÑOL.V

ECHE	I D 0	08 32 14.6	E 0	08 32 18.0	0.16	0.2	49	
VIV	E 0	08 32 16.0	0	08 32 21.5				
ACU	E 0	08 32 29.0	0	08 32 43.0				
EVIA	I D 0	08 32 39.0	E 0	08 32 57.9		0.2	75	
EALH			0	08 33 03.0				
EROQ	E 0	08 32 42.2	E 0	08 33 01.0			48	
ETOR	E 0	08 32 42.4	E 0	08 33 03.5		0.4	48	
EHUE			E 0	08 33 14.2		0.2	49	
GUD			0	08 33 32.0				

18 ago 17h 03m 32.9s 43°10'N 00°43'W 8Km
rms ±0.1s mb 2.2 W.OLORON ST.MARIE.FR

ATE	0	17 03 34.7						
MADF	0	17 03 35.1	0	17 03 36.5				
ISSF	0	17 03 35.9						
ESCF	0	17 03 35.9	0	17 03 37.9				
ELIZ	E 0	17 03 43.6	E 0	17 03 51.8		0.2	25	
EGRA	E 0	17 03 55.0	E 0	17 04 11.7			50	

20 ago 21h 10m 27.5s 35°07'N 04°12'W 9Km
rms ±0.6s mb 3.0 N.TARGUIST.MAC

TZK	E 0	21 10 45.0	E 0	21 10 59.5				
EMEL	E 0	21 10 47.1	E 0	21 11 00.5		0.2	45	
BMK	E 4	21 10 48.0	E 4	21 11 03.0				
TGT	E 0	21 10 50.0	E 4	21 11 08.5				
EGUA	E 0	21 10 57.0	E 0	21 11 20.2	0.02	0.2	65	
EJIF	E 0	21 10 56.5	E 0	21 11 15.5	0.01	0.4	75	
CLZ	E 0	21 10 62.3	E 0	21 11 30.0				
EPRU	E 0	21 11 01.0	E 0	21 11 26.0			70	
ECOG	E 0	21 11 04.0	E 0	21 11 30.2		0.3	65	
ENIJ	E 0	21 11 06.0	E 0	21 11 35.0				
ELUQ	E 0	21 11 06.0	E 0	21 11 35.0			60	
EHOR	E 0	21 11 12.0	E 0	21 11 43.8			70	
EBAN	E 0	21 11 14.0	E 0	21 11 49.4			60	
EVAL	E 0	21 11 15.8	E 0	21 11 54.0			55	
EPLA	E 0	21 11 43.0	E 0	21 12 40.0			85	
GUD	E 0	21 11 49.3	E 0	21 12 49.0			80	
TAF	I 4	21 10 56.0	I 0	21 11 12.0			80	
IFR	I 0	21 10 57.0	I 4	21 11 13.5			80	
AVE	I 4	21 11 22.0	I 0	21 11 55.0			80	
TIO	I 0	21 11 41.0	I 4	21 12 31.0			80	

21 ago 19h 43m 17.2s 35°07'N 04°18'W 9Km
rms ±0.8s mb 2.9 W.ALHUCEMAS.MAC

TZK	I 0	19 43 34.5	I 0	19 43 50.0				
TGT	E 4	19 43 35.0	I 0	19 43 55.0				
EMEL	E 0	19 43 36.5	E 0	19 43 52.0	0.02	0.4	60	
BMK	I 9	19 43 37.2	I 0	19 43 53.5				
TAF	E 0	19 43 45.0	E 4	19 44 10.0			75	
EGUA	E 0	19 43 46.0	E 4	19 44 07.0	0.03	0.3	85	
IFR	I 0	19 43 47.0	E 0	19 44 08.0			75	
EJIF	E 0	19 43 44.5	E 0	19 44 04.4	0.03	0.4	80	
EPRU	E 0	19 43 49.9	E 0	19 44 14.8	0.01	0.5	75	
CLZ	E 0	19 43 50.0	I 0	19 44 18.5				
ECOG	E 0	19 43 53.9	E 0	19 44 19.9	0.01	0.3	70	
ELUQ	E 0	19 43 57.2	E 0	19 44 24.2			70	
ENIJ	E 0	19 43 58.0	E 0	19 44 25.0			60	
EHUE	E 0	19 44 03.5					70	
EVAL	E 0	19 44 05.6	E 0	19 44 43.5			75	

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EST I/E W HORA P I/E W HORA S AMP PER DUR

VIL	0	16	34	09.6							
BRU	0	16	34	12.6							
OLT	0	16	34	17.8	0	16	34	36.8			
EGRA E	0	16	34	02.0	E 0	16	34	08.5	0.01	0.3	40
ETER E	0	16	34	21.3	E 0	16	34	42.5		0.2	30

31 ago 03h 11m 56.1s 42°42'N 01°13'W 2Km
rms ±0.5s mb 3.0 VALLE DE URRAL.NA

ELIZ E	0	03	12	05.9	E 0	03	12	13.3	0.04	0.3	48
BTH E	0	03	12	11.7	I 0	03	12	23.0			
ECRI E	0	03	12	13.4	E 0	03	12	26.5	0.06	0.3	82
EPF	0	03	12	17.4		0	03	12	34.8		
EGRA E	0	03	12	18.4	E 0	03	12	34.9	0.02	0.2	73
ETOR E	0	03	12	28.8	E 0	03	12	53.7	0.01	0.2	64
EROQ E	0	03	12	34.0	E 0	03	13	00.7	0.02	0.2	55
LF	0	03	12	38.7							
LPO	0	03	12	39.0		0	03	13	10.7		
GUD E	0	03	12	44.2	E 0	03	13	19.0		0.5	85
RJF	0	03	12	46.6		0	03	13	24.9		
CAF	0	03	12	47.0		0	03	13	24.8		
MFF	0	03	12	56.1		0	03	13	42.4		
LSF	0	03	12	57.6		0	03	13	43.9		
ETER					E 0	03	13	20.6			
EPLA	0	03	13	04.0	E 0	03	13	55.0			
TCF	0	03	13	00.9		0	03	13	50.7		
MAF	0	03	13	02.3		0	03	13	52.9		
BGF	0	03	13	07.8		0	03	14	01.5		
SSF	0	03	13	16.9		0	03	14	18.7		

31 ago 17h 39m 58.1s 43°26'N 00°34'W 3Km
rms ±0.8s mb 2.8 N.PAU.FR

BTH I D	0	17	40	05.0		4	17	40	19.0		
ELIZ I D	0	17	40	11.0	E 0	17	40	21.5	0.02	0.2	37
EPF	0	17	40	11.9		0	17	40	23.6		
EGRA E	0	17	40	22.5	E 0	17	40	42.5	0.01	0.3	54
ECRI I D	0	17	40	27.5	E 0	17	40	49.5			38
LF	9	17	40	29.2		0	17	40	52.9		
LPO	9	17	40	30.4		0	17	40	54.0		
ETOR E	0	17	40	42.3		0	17	41	19.0		40

31 ago 17h 50m 09.4s 37°39'N 04°08'W 20Km
rms ±0.3s mb 2.2 N.ALCAUDETE.J

ELUQ E	0	17	50	13.0	E 0	17	50	17.0	0.01	0.2	26
EBAN I D	0	17	50	20.0	E 0	17	50	28.8	8.00	0.0	25
EHOR E	0	17	50	25.5	E 0	17	50	38.2	0.01	0.2	20
EHUE E	0	17	50	30.5	E 0	17	50	46.1			24

01 sep 20h 38m 05.7s 43°04'N 00°06'E
rms ±0.8s mb 2.4 BAGNERES-DE-BIGORRE.FR

BTH I C	0	20	38	10.3	E 0	20	38	12.5			
BDBF	0	20	38	05.4	E 0	20	38	07.8			
EPF	0	20	38	08.0	E 0	20	38	11.9			
VIH	0	20	38	16.2	E 0	20	38	25.8			
EGRA E	0	20	38	23.0	E 0	20	38	35.0		0.2	
AVN	0	20	38	27.8	E 0	20	38	46.2			
LPO	0	20	38	36.7	E 0	20	39	00.5			

02 sep 06h 26m 52.3s 41°51'N 02°36'E 2Km
rms ±0.7s mb 3.0 STA.COLOMA FARNERS.GI

EROQ E	0	06	27	26.0	E 0	06	27	51.5			80
EPF	9	06	27	30.9	E 0	06	27	55.2			
LPO	9	06	27	49.9	E 0	06	28	25.7			
CAF	9	06	27	50.8	E 0	06	28	28.5			
SQD	0	06	26	54.0	E 0	06	26	56.4			

EST I/E W HORA P I/E W HORA S AMP PER DUR

OLT	0	06	26	57.7	E 0	06	27	02.1			
ALB	9	06	26	57.9	4 0	06	27	05.0			
ETER E	0	06	27	01.0	E 0	06	27	07.5	0.03	0.2	40
BRU	0	06	27	01.9	6 0	06	27	09.2			
VIL	0	06	27	02.6	E 0	06	27	11.6			
MRB	0	06	27	02.8							
VDCP	0	06	27	06.7							
TRGS	0	06	27	06.7							
MTHF	0	06	27	12.3							
SOR	0	06	27	13.7	E 0	06	27	29.8			
GRBF	0	06	27	15.6							
AVN	0	06	27	16.8	E 0	06	27	34.8			
SALF	0	06	27	17.3							
VIH	0	06	27	20.4	E 0	06	27	41.7			
EGRA E	0	06	27	23.0	E 0	06	27	46.0	0.03	0.3	60

02 sep 13h 28m 36.7s 37°08'N 02°10'W 9Km
rms ±0.4s mb 2.9 SORBAS.AL

ENIU I	0	13	28	40.0	E 0	13	28	42.8	0.13	0.2	35
ECOG E	0	13	28	56.3	E 0	13	29	12.0			45
EGUA E	0	13	28	57.3	E 0	13	29	14.0			25
EVIA E	0	13	29	03.0	E 0	13	29	22.5	0.02	0.3	37

03 sep 08h 34m 38.2s 41°08'N 07°55'W 13Km
rms ±0.6s mb 2.9 NW.LAMEGO.PORT

MTE E	0	08	34	52.5	I 0	08	35	03.0			
EZAM E	0	08	34	58.5	E 0	08	35	13.5	0.02	0.2	35
ERUA E	0	08	35	02.0	E 0	08	35	19.5			40
EPLA E	0	08	35	06.0	E 0	08	35	29.5			57
STS E	0	08	35	09.0	E 0	08	35	31.0	0.01	0.3	60

03 sep 18h 23m 22.6s 36°38'N 02°43'W
rms ±0.4s mb 2.7 GOLFO DE ALMERIA

ENIU E	0	18	23	32.4	E 2	18	23	40.0	0.07	0.2	49
EGUA E	0	18	23	35.3	E 2	18	23	45.0	0.05	0.2	54
ECOG E	0	18	23	40.3	E 2	18	23	51.4	0.02	0.3	47

04 sep 06h 12m 20.5s 37°13'N 03°37'W 2Km
rms ±0.4s mb 2.8 GRANADA.GR

ECOG I C	0	06	12	21.5	E 0	06	12	23.3			50
EGUA E	0	06	12	27.2	E 0	06	12	32.5	0.04	0.2	40
ELUQ E	0	06	12	32.3	E 0	06	12	40.0			40
EBAN E	0	06	12	38.0	E 0	06	12	51.0	0.02	0.2	30
EHUE E	0	06	12	40.0	E 0	06	12	52.6			30
EPRU E	0	06	12	45.3	E 0	06	13	02.5			35
EHOR E	0	06	12	46.1	E 0	06	13	04.9			45
EVIA E	0	06	12	50.0	E 0	06	13	11.0			50

08 sep 07h 32m 09.9s 36°42'N 05°15'W 9Km
rms ±0.3s mb 2.5 W. BENAJOJAN.MA

EPRU I D	0	07	32	14.6	E 0	07	32	18.9	0.01	0.2	44
EJIF I D	0	07	32	15.6	E 0	07	32	20.3	0.04	0.3	47
EHOR E	0	07	32	29.8	E 0	07	32	45.7	0.03	0.3	35
EVAL E	0	07	32	35.9	E 0	07	32	53.9			59

08 sep 07h 55m 0.3s 36°43'N 05°18'W 10Km
rms ±0.3s mb 2.0 W.BENAJOJAN.MA

EPRU E	0	07	55	04.7	E 0	07	55	09.1		0.2	31
EJIF E	0	07	55	05.8	E 0	07	55	10.5	0.01	0.3	32
EHOR E	0	07	55	20.5	E 0	07	55	35.4			21
EVAL E	0	07	55	25.0	E 0	07	55	43.5			20

EST I/E W HORA P I/E W HORA S AMP PER DUR

EBR E 4 05 47 04.0
CAF 0 05 46 37.6 E 0 05 47 16.9
RJV 0 05 46 38.5 E 0 05 47 15.2

19 sep 10h 57m 36.1s 37°38'N 08°20'W 8Km
rms ±0.3s mb 3.2 SIERRA DE MONCHIQUE.PO

FIG E 0 10 57 48.0 I 0 10 57 57.5
FAR E 0 10 57 49.0 I 0 10 57 58.0
MOE I D 0 10 57 52.2 I 0 10 58 05.0
LIS I 0 10 58 15.3
EVAL E 0 10 57 58.8 E 0 10 58 15.5 0.05 0.2 98
EPLA E 0 10 58 21.8 0.01 0.2 95
MTE 4 10 58 24.0 0 10 58 53.4

20 sep 04h 23m 00.0s 41°49'N 02°36'E 2Km
rms ±0.5s mb 3.0 S.STA COLOMA FARNERS.G

SQD 0 04 23 02.4 E 0 04 23 04.9
ALB 4 04 23 05.1 4 04 23 12.4
OLT 0 04 23 05.7 0 04 23 10.1
ETER I D 0 04 23 09.1 E 0 04 23 16.9 0.04 0.2 45
FBR 0 04 23 09.5
BRU 0 04 23 09.6 E 0 04 23 17.2
MRB 0 04 23 10.7
SOR 0 04 23 22.2 0 04 23 39.0
AVN 9 04 23 24.8 0 04 23 44.6
PON 0 04 23 26.7
VIH 0 04 23 28.3 0 04 23 48.8
EGRA E 0 04 23 30.6 E 0 04 23 53.4 0.02 0.2 47
EROQ E 0 04 23 33.4 E 0 04 23 56.5 40
EBR E 4 04 24 00.0
EPF 4 04 23 35.6 E 4 04 24 02.9

21 sep 12h 57m 12.4s 38°24'N 00°14'W 3Km
rms ±0.5s mb 2.8 GOLFO DE ALICANTE

ACU I C 0 12 57 13.9 E 0 12 57 17.0 45
VIV E 0 12 57 32.5 E 0 12 57 48.0 60
EALH E 0 12 57 32.2
ECHE E 0 12 57 36.0 E 0 12 57 54.5 0.03 0.4 71
EVI A E 0 12 57 43.4 E 0 12 58 06.7 0.02 0.4
EHUE E 0 12 57 45.0
EBAN E 0 12 57 57.4

21 sep 20h 07m 37.5s 36°51'N 04°16'W 22Km
rms ±0.5s mb 2.9 COMARES.MA

MAL E 0 20 07 42.0 I 0 20 07 46.0
EGUA E 0 20 07 47.2 E 0 20 07 56.5 0.02 0.2 45
ECOG E 0 20 07 49.8 E 0 20 08 00.5 0.02 0.2 37
ELUQ E 0 20 07 50.1 E 0 20 08 00.8 0.02 0.2 42
EPRU E 0 20 07 51.8 E 0 20 08 03.6 44
EJIF I C 0 20 07 56.5 E 0 20 08 09.4 0.01 0.3 50
EHOR I C 0 20 07 58.0 E 0 20 08 13.8 0.02 0.2 40
EBAN E 0 20 08 00.0 E 0 20 08 17.5 0.03 0.2 40
EHUE E 9 20 08 06.5 E 0 20 08 27.0 34

21 sep 23h 12m 03.9s 37°53'N 02°30'W 2Km
rms ±0.4s mb 2.7 N HUESCAR.GR

EHUE E 0 23 12 05.0 E 0 23 12 07.0 0.20 0.2 46
EVI A E 0 23 12 17.7 E 0 23 12 27.5 0.2 50
EBAN E 0 23 12 23.0 E 0 23 12 37.5 0.03 0.2 35
ECOG E 0 23 12 23.8 E 0 23 12 37.7 0.01 0.3 39
EHOR E 0 23 13 07.2
ETOR E 0 23 12 50.6 E 0 23 13 26.0 0.3 70

EST I/E W HORA P I/E W HORA S AMP PER DUR

22 sep 14h 02m 57.8s 42°30'N 07°50'W 3Km
rms ±0.5s mb 3.1 S. CARBALLEDO.LU

ERUA E 0 14 03 07.4 E 0 14 03 14.0 100
STS E 0 14 03 09.7 E 0 14 03 18.0 0.20 0.2 84
EZAM E 0 14 03 11.2 E 0 14 03 21.4 69
EPLA E 0 14 03 41.7 E 0 14 04 14.4 0.03 0.3 82
GUD E 0 14 03 50.2 E 0 14 04 28.7 0.3 83
ECRI E 0 14 03 58.2 E 0 14 04 44.2 111
ETOR E 0 14 04 09.0 E 0 14 05 00.9 0.01 0.3 126

22 sep 20h 14m 30.1s 38°23'N 07°10'W 9Km
rms ±0.6s mb 2.8 VILLANUEVA FRESNO.BA

EVAL E 0 20 14 45.7 E 0 20 14 57.2 0.01 0.3 31
MOE E 0 20 14 47.0 E 0 20 15 00.0 31
EHOR E 0 20 14 57.8 E 0 20 15 18.4 0.02 0.3 35
EPLA E 0 20 15 02.0 E 0 20 15 22.9 0.02 0.3 40

23 sep 02h 13m 49.4s 37°47'N 02°12'W 12Km
rms ±0.3s mb 2.8 N. MARIA.MU

EHUE E 0 02 13 55.1 E 0 02 14 00.1 0.03 0.2 46
EVI A E 0 02 14 05.2 E 0 02 14 17.4 0.05 0.2 48
EBAN E 0 02 14 12.7 E 0 02 14 28.8 0.01 0.3 50

23 sep 20h 08m 32.2s 37°05'N 04°24'W 8Km
rms ±0.5s mb 2.6 ARCHIDONA.MA

MAL E 0 20 08 38.0 I 0 20 08 44.0 17
ELUQ I C 0 20 08 41.2 E 0 20 08 47.6 0.02 0.4 35
EGUA E 0 20 08 44.9 E 0 20 08 55.1 0.04 0.4 41
EPRU E 0 20 08 45.2 E 0 20 08 54.5 0.02 0.5 58
ECOG E 0 20 08 45.6 E 0 20 08 55.2 0.02 0.4 44
EHOR E 0 20 08 49.7 E 0 20 09 02.9 0.04 0.3 50
EBAN I D 0 20 08 53.3 E 0 20 09 09.3 0.01 0.2 46

23 sep 22h 44m 51.9s 40°46'N 01°08'W 9Km
rms ±0.4s mb 2.9 W.ALPEÑES.TE

ETOR E 0 22 45 04.4 E 0 22 45 13.9 0.01 0.2 53
EROQ E 0 22 45 12.9 E 0 22 45 28.4 0.03 0.2 32
ECHE E 0 22 45 13.5 E 0 22 45 29.1 0.01 0.2 22
EBR E 0 22 45 30.0
EGRA E 0 22 45 21.7 E 0 22 45 44.4 0.01 0.2 29
GUD E 0 22 45 29.4 E 0 22 45 55.8
ECRI E 9 22 45 32.6 E 0 22 45 59.2 0.01 0.2 25

24 sep 02h 42m 11.7s 39°36'N 01°18'W 8Km
rms ±0.5s mb 3.2 CAUDETE LAS FUENTES.V

ECHE I D 0 02 42 15.9 E 0 02 42 20.2 0.16 0.2 47
VIV E 0 02 42 18.0 E 0 02 42 24.5 60
EVI A I C 0 02 42 35.4 E 0 02 42 52.8 0.05 0.2 78
ETOR E 0 02 42 36.2 E 0 02 42 53.7 0.04 0.3 95
EROQ E 0 02 42 41.8 E 0 02 43 04.0 0.02 0.2 40
EBR E 4 02 43 08.0
EBAN E 0 02 42 49.1 E 0 02 43 19.1
EHUE E 0 02 43 09.5
EPLA E 0 02 43 07.2 E 0 02 43 49.8 80

25 sep 09h 24m 19.2s 37°04'N 03°50'W 3Km
rms ±0.6s mb 2.7 S. CHIMENEAS.GR

ECOG E 0 09 24 24.1 E 0 09 24 27.8 0.20 0.2 37

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I.G.N.

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EGUA	E	0	09 24 25.0	E 0	09 24 29.2	0.04	0.2	53
EBAN	E	0	09 24 39.8	E 0	09 24 53.8	0.02	0.2	36
EPRU	E	0	09 24 39.0	E 0	09 24 55.0			47
EHUE	E	0	09 24 42.9	E 0	09 24 59.1			47
EHOR				E 0	09 25 03.0			29
25 sep 23h 50m 50.4s 36°55'N 05°30'E rms ±0.3s mb 3.3 NE. BEJAIA.ARG								
ESEL	E	0	23 51 44.5	E 0	23 52 26.0	0.02	0.2	60
PGF		0	23 52 22.6	E 0	23 53 31.7			40
LMR		0	23 52 25.0	E 0	23 53 35.9			
LRG		0	23 52 26.5	E 0	23 53 38.8			
FRF		0	23 52 28.5	E 0	23 53 41.5			
26 sep 11h 57m 58.5s 37°49'N 02°35'W 7Km rms ±0.5s mb 2.0 HUESCAR.GR								
EHUE	E	0	11 57 59.0	E 0	11 58 01.5	0.09	0.2	25
EVIA	E	0	11 58 13.5	E 0	11 58 25.0	0.01	0.2	35
EBAN	E	0	11 58 16.5	E 0	11 58 31.0	0.01	0.2	25
26 sep 14h 21m 29.3s 38°07'N 01°08'W 4Km rms ±0.5s mb 2.7 N. MOLINA DE SEGURA.MU								
EALH	I D	0	14 21 35.1	E 0	14 21 39.8	0.02	0.3	35
EVIA	E	0	14 21 51.0	E 0	14 22 06.9			37
EHUE	E	0	14 21 51.5	E 0	14 22 08.1	0.03	0.2	39
29 sep 05h 45m 32.0s 31°35'N 03°48'W 4Km rms ±0.6s mb 3.7 BOU DENIB.MAC								
ZFT	I	0	05 45 43.5	4	05 45 57.0			20
TNF	I	0	05 46 00.0	0	05 46 20.0			
CLZ	I	0	05 46 02.5	0	05 46 25.5			
IFR	I	4	05 46 06.0	4	05 46 31.0			
KSB	I	0	05 46 07.5	0	05 46 34.0			
MSH	I	4	05 46 09.0	0	05 46 34.5			
TZK	I	0	05 46 12.5	0	05 46 42.0			
TAZ	I	4	05 46 12.5	0	05 46 38.0			
ZER	I	0	05 46 15.5	0	05 46 50.0			
ZAI	I	4	05 46 18.0	4	05 46 55.0			
TAF	I	4	05 46 22.0	4	05 46 58.0			
TIO	I	4	05 46 22.5	4	05 46 58.0			
AVE	I	0	05 46 26.5	0	05 47 08.0			
EMEL	E	0	05 46 29.5	0	05 47 14.0	0.4	140	
CIA	I	4	05 46 34.5	0	05 47 25.5			
29 sep 06h 11m 36.9s 37°21'N 13°58'W rms ±0.4s mb 3.4 ATLANTICO								
MOE	I D	0	06 12 44.5	E 4	06 13 32.2			
FIG				E 0	06 13 43.0			
EVAL				E 0	06 14 03.5			
EZAM	E	0	06 13 08.0	E 0	06 14 16.0	0.01	0.2	76
EPLA	E	0	06 13 14.8	E 0	06 14 26.8	0.02	0.3	105
STS	E	0	06 13 16.5					
EHOR	E	0	06 13 17.0	E 0	06 14 32.5	0.01	0.3	98
ERUA	E	0	06 13 22.0					
TIO	I	0	06 13 36.5	E 4	06 15 04.0			
AVE				E 4	06 14 22.0			
IFR				E 4	06 14 55.5			
EBAN				E 0	06 14 59.0	0.2		
29 sep 23h 22m 30.1s 36°00'N 01°34'W rms ±0.7s mb 2.9 MAR DE ALBORAN								
ENIJ	E	0	23 22 49.2	E 0	23 23 04.3	0.02	0.2	48

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
TAF	I	4	23 22 52.0	E 0	23 23 14.0			52
EGUA	E	0	23 23 00.0	E 0	23 23 24.6	0.2		53
EHUE	E	0	23 23 03.2	E 0	23 23 29.9			58
ECOG	E	0	23 23 04.9	E 0	23 23 29.8			52
30 sep 17h 31m 28.8s 37°28'N 03°49'W 17Km rms ±0.5s mb 3.3 FRAILLES.J								
ECOG	I C	0	17 31 34.5	E 0	17 31 38.7	0.13	0.2	60
ELUQ	I D	0	17 31 36.3	E 0	17 31 41.8	0.07	0.3	45
EGUA	I C	0	17 31 40.5	E 0	17 31 49.2	0.04	0.3	60
EBAN	I C	0	17 31 41.3	E 0	17 31 51.3	0.20	0.2	75
MAL	E	0	17 31 46.0	I 0	17 31 56.4			20
EHUE	I D	0	17 31 47.0	E 0	17 32 01.4	0.06	0.2	45
EHOR	I C	0	17 31 49.2	E 0	17 32 04.3	0.12	0.2	55
EPRU	E	0	17 31 50.6	E 0	17 32 05.1			58
ENIJ	E	0	17 31 52.3	E 0	17 32 10.3	0.03	0.3	29
EVIA	I D	0	17 31 53.5	E 0	17 32 13.6	0.04	0.2	60
EJIF	E	0	17 31 56.5					67
EVAL	E	9	17 32 10.5	E 0	17 32 38.6			50
03 oct 20h 13m 48.6s 34°57'N 03°07'W 9Km rms ±0.9s mb 3.5 III SW. NADOR.MAC								
ZAI	I	0	20 13 55.5	I 0	20 14 00.5			
EMEL	E	0	20 13 55.6	E 0	20 14 00.7	0.63	0.2	47
BMK	E	4	20 13 56.5	I 4	20 14 06.0			
TOU	E	0	20 13 57.5	I 0	20 14 06.0			
TAF		0	20 13 58.0	4	20 14 14.0			
PAL	E	4	20 13 58.0	I 4	20 14 06.5			
TZK	E	0	20 14 09.5	I 0	20 14 29.0			
ENIJ				E 0	20 14 50.7	0.02	0.4	70
EGUA	E	0	20 14 19.9					84
ECOG	E	0	20 14 25.4	E 0	20 14 51.8			81
EJIF				E 0	20 14 56.0			72
EHUE	E	0	20 14 33.6					72
EHOR	E	0	20 14 39.9	E 0	20 15 18.3			117
IFR		4	20 14 41.5	4	20 15 15.5			
EVIA	E	0	20 14 46.0					
03 oct 21h 20m 08.9s 34°58'N 03°06'W 25Km rms ±0.8s mb 3.5 III S. NADOR.MAC								
ZAI	I	0	21 20 16.5	I 0	21 20 22.0			
EMEL	E	0	21 20 16.7	E 0	21 20 22.6	0.61	0.2	50
BMK	E	4	21 20 17.0	I 4	21 20 31.0			
TAF	I	0	21 20 18.0	I 4	21 20 25.0			
TOU	E	0	21 20 18.5	I 0	21 20 26.5			
PAL	E	4	21 20 20.0	I 4	21 20 28.0			
TZK	E	0	21 20 31.0	I 4	21 20 49.0			
ENIJ	E	9	21 20 37.0	E 0	21 21 01.1			112
EGUA	E	0	21 20 38.1	E 0	21 21 00.9	0.02	0.3	72
ECOG	E	0	21 20 45.3	E 0	21 21 12.0			102
EHUE	E	0	21 20 52.5	E 0	21 21 22.5			61
04 oct 00h 05m 59.3s 36°59'N 04°34'W 16Km rms ±0.7s mb 2.7 ANTEQUERA.MA								
EMAL	I C	0	00 06 04.2	E 0	00 06 08.4			
MAL				I 0	00 06 10.0			
ELUQ	E	0	00 06 11.9	E 0	00 06 17.4			34
EGUA	E	0	00 06 12.5	E 0	00 06 25.2	0.01	0.2	48
ECOG	E	0	00 06 15.6	E 0	00 06 27.0			50
EHOR	E	0	00 06 17.6	E 0	00 06 30.4	0.02	0.3	42
EBAN	E	0	00 06 21.7	E 0	00 06 38.7	0.01	0.2	36
EHUE	E	0	00 06 28.7					57

BOLETÍN DE SISIMOS PRÓXIMOS AÑO 1993

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EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EGUA	I	D	0	20 20 38.3				118
ECOG	I	D	0	20 20 38.7	E 0	20 21 44.2	0.02 0.2	114
CLZ	I		0	20 20 40.0	I 4	20 21 41.5		
TNF	I		0	20 20 41.5	I 4	20 21 44.0		
ERUA	E		0	20 20 43.0	E 0	20 21 53.7		
TIO			0	20 20 43.6	0	20 21 52.5		
EHUE	I	C	0	20 20 50.1				107
EVIA	I	C	0	20 20 52.2	E 0	20 22 08.4		131

08 oct 22h 09m 35.5s 42°26'N 02°08'E 1Km rms ±0.4s mb 3.6 III-IV S. FONT ROMEU.FR								
BTH	I	D	9	22 09 12.0	0	22 09 36.1		
BRU			0	22 09 38.2	0	22 09 40.5		
VIL			0	22 09 41.7	0	22 09 47.3		
OLT			0	22 09 42.3	0	22 09 48.0		
ALB			0	22 09 43.2	0	22 09 50.1		
PAND			0	22 09 43.3				
SQD			0	22 09 45.1	0	22 09 52.6		
ETER	I	C	0	22 09 45.2	E 0	22 09 52.8	0.18 0.2	11
PERF			0	22 09 45.2				
LSPF			0	22 09 45.9	E 0	22 09 53.8		
MTHF			0	22 09 46.1				
GRBF			0	22 09 46.5	E 0	22 09 55.1		
FONT			0	22 09 48.5	E 0	22 09 57.1		
SOR			0	22 09 48.6	E 0	22 09 59.8		
SALF			0	22 09 49.2	E 0	22 09 59.4		
MRB			0	22 09 51.3	E 0	22 10 03.0		
LESF			0	22 09 51.4	E 0	22 10 03.4		
MLS			0	22 09 52.5	E 0	22 10 05.0		
PON			0	22 09 54.1				
FBR			0	22 09 54.3	E 0	22 10 07.5		
AVN			0	22 09 57.0	0	22 10 12.1		
POB			0	22 09 59.5	0	22 10 16.8		
VAN			4	22 10 00.0	4	22 10 30.7		
EGRA	I	D	0	22 10 00.9	E 0	22 10 18.9	0.29 0.3	10
ENSF			0	22 10 01.0				
EPF	D		0	22 10 02.8	E 0	22 10 20.6		
EBR	I		4	22 10 12.0	E 4	22 10 39.0		
LPO			0	22 10 14.4				
CAF			0	22 10 16.1				
LFF			0	22 10 19.7				
RJF			0	22 10 21.7				
ELIZ				22 10 52.7	E 0	22 10 52.7	0.3	47
ECRI	I	C	0	22 10 28.9	E 0	22 11 09.1	0.05 0.3	10
ETOR	E		0	22 10 31.5			0.05 0.4	11
ECHE	E		0	22 10 33.7				75
GUD	E		0	22 10 51.5	E 0	22 11 47.8		33

09 oct 11h 04m 10.5s 42°25'N 02°08'E 9Km rms ±0.4s mb 2.3 N. RIBES DE FRESER.GI								
PAND				0	11 04 24.6			24
TRGS	I	C	0	11 04 13.9	0	11 04 15.9		
OLT	E		0	11 04 18.5	0	11 04 22.5		
ETER	E		0	11 04 21.0	E 0	11 04 28.0	0.2	25
MTHF	E		0	11 04 21.0	0	11 04 29.6		
SOR	I	C	9	11 04 22.5	0	11 04 33.5		

09 oct 19h 47m 42.5s 43°31'N 00°37'W 2Km rms ±0.5s mb 2.9 E. ORTNEZ.FR								
ELIZ	I	C	0	19 47 56.0	E 0	19 48 06.2	0.04 0.2	45
EPF			0	19 47 57.7	0	19 48 09.5		
EBR				19 48 12.0	E 4	19 49 12.0		
EGRA	E		0	19 48 09.0	E 0	19 48 29.3	0.02 0.3	65
ECRI	E		0	19 48 12.0	E 0	19 48 34.0	0.01 0.3	60
LPO			4	19 48 16.6	4	19 48 41.1		
LFF			9	19 48 16.8	0	19 48 40.3		
RJF			0	19 48 20.1	0	19 48 50.4		
CAF			0	19 48 21.3				
ETOR	E		0	19 48 28.5	E 0	19 49 03.0	0.4	85
MFF			0	19 48 31.3	0	19 49 08.4		
EROQ	E		9	19 48 32.5	E 0	19 49 07.0	0.01 0.3	65

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ETER	E		9	19 48 35.0	E 0	19 49 09.0		65

10 oct 11h 32m 14.4s 42°26'N 02°09'E 2Km rms ±0.6s mb 2.7 S. FONT ROMEU.FR								
VIL			0	11 32 20.6	E 0	11 32 26.0		
OLT			0	11 32 21.7	E 0	11 32 26.5		
ALB			0	11 32 21.9	E 0	11 32 28.0		
PAND					0	11 32 28.0		
ETER	E		0	11 32 24.5	E 0	11 32 31.9	0.02 0.2	35
MTHF			0	11 32 24.8	0	11 32 33.5		
SOR			9	11 32 26.1	E 0	11 32 37.2		
FONT			0	11 32 27.1	4	11 32 41.0		
SALF			0	11 32 27.8	0	11 32 37.8		
LESF			0	11 32 30.1	0	11 32 42.3		
AVN			0	11 32 35.9	0	11 32 52.6		
EGRA	E		0	11 32 40.7	E 0	11 32 58.7	0.2	40
EPF			4	11 32 42.6	0	11 33 00.3		
LPO					4	11 33 28.0		
LFF					4	11 33 38.5		
CAF			9	11 33 00.2	0	11 33 32.1		

11 oct 20h 33m 42.4s 36°12'N 06°01'W rms ±0.6s mb 2.5 S. VEJER FRONTERA.CA								
MOMI	I		0	20 33 47.0				
PLAT	I		0	20 33 47.0				
ALJ	I		0	20 33 50.0				
EJIF	E		0	20 33 50.7	E 0	20 33 58.7	0.04 0.3	55
EPRU	E		0	20 34 01.7	E 0	20 34 14.2	0.4	45

11 oct 22h 19m 00.6s 41°41'N 02°38'E 2Km rms ±0.6s mb 2.9 W. TORDERA.B								
FONT			0	22 19 03.3				
SQD			0	22 19 05.5	0	22 19 09.7		
OLT			0	22 19 08.8	0	22 19 15.3		
FBR			0	22 19 08.9	0	22 19 15.1		
ETER	E		0	22 19 12.5	E 0	22 19 21.0	0.02 0.1	40
BRU			0	22 19 12.9	0	22 19 22.1		
VIL			0	22 19 13.1				
VDCF	I	C	0	22 19 18.4				
MTHF	I	D	0	22 19 22.9				
SOR			0	22 19 24.4	0	22 19 42.7		
LSPF	I	C	0	22 19 25.5				
GRBF	I	D	0	22 19 26.1				
AVN			0	22 19 26.3	0	22 19 45.7		
SALF	I	D	0	22 19 27.7				
PON			0	22 19 28.7	0	22 19 50.4		
LESF	I	C	0	22 19 30.9				
EGRA	E		0	22 19 32.9			0.2	70
EROQ	I	C	9	22 19 35.5	E 0	22 19 59.7		45
EPF			0	22 19 37.3				
EPF			0	22 19 37.3				
LPO			4	22 19 58.7	E 4	22 20 40.0		

12 oct 12h 51m 41.8s 36°39'N 05°22'W 22Km rms ±0.5s mb 2.3 N. CORTES FRONTERA.MA								
EJIF	E		0	12 51 47.5			0.02 0.3	29
EPRU	I	D	0	12 51 48.4	E 0	12 51 54.0	0.01 0.3	29
EHOR	E		0	12 52 00.6	E 0	12 52 17.2	0.2	44
ELUQ	E		0	12 52 02.6				47
ECOG	E		0	12 52 08.0	E 0	12 52 25.5		47
EBAN	E		0	12 52 12.3	E 0	12 52 36.0	0.2	47

13 oct 01h 26m 20.9s 42°26'N 02°09'E 2Km rms ±0.4s mb 3.1 S. FONT ROMEU.FR								
SALF			4	01 26 14.4	4	01 26 24.6		

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
LESF	4	01 26 16.8		4	01 26 28.8			
MLS	4	01 26 18.0		4	01 26 30.3			
VIL	0	01 26 27.0		0	01 26 32.7			
PAND				E 0	01 26 34.6			
ENSF	4	01 26 27.1		4	01 26 46.0			
OLT	0	01 26 27.6		0	01 26 33.2			
ALB	0	01 26 28.5		0	01 26 34.7			
PERF	0	01 26 30.5						
ETER E	0	01 26 30.5		E 0	01 26 38.1	0.05	0.2	53
LSPF	0	01 26 31.1		0	01 26 39.2			
MTHF	0	01 26 31.4		0	01 26 40.2			
GRBF	0	01 26 31.8		4	01 26 38.2			
FONT	0	01 26 33.7						
FBR	4	01 26 33.7		0	01 26 53.2			
SOR	0	01 26 34.0		0	01 26 45.1			
MRE	0	01 26 36.5		0	01 26 48.9			
PON	0	01 26 39.4						
VIH	0	01 26 39.6		0	01 26 53.2			
AVN	0	01 26 42.3		0	01 26 58.9			
EGRA E	0	01 26 46.8				0.03	0.2	62
EPF	0	01 26 47.0						
EROQ I D 9	0	01 26 58.3		E 0	01 27 24.0		0.2	65
EBR				E 4	01 27 25.0			
LPO	9	01 27 04.9		E 0	01 27 33.9			
CAF	9	01 27 06.8		E 0	01 27 37.7			
ELIZ E	9	01 27 07.7		E 0	01 27 41.2			67
LFF	9	01 27 12.2		E 0	01 27 45.7			
RJF	4	01 27 14.8		E 4	01 27 51.2			
ECRI I C 9	0	01 27 16.6		E 0	01 27 56.6			109

13 oct 14h 35m 03.1s 37°03'N 05°25'W 3Km
rms ±0.5s mb 2.9 S. MORON FRONTERA. SE

EPRU I D 0	14 35 04.9	E 0	14 35 07.8	0.49	0.6	60
ALJ E	0 14 35 14.0					
EJIF I D 0	14 35 14.6	E 0	14 35 22.3	0.05	0.5	54
EHOR I C 0	14 35 17.3	E 0	14 35 27.9	0.04	0.2	91
ELUQ I C 0	14 35 23.0	E 0	14 35 36.9		0.3	46
EVAL I D 0	14 35 24.3	E 0	14 35 40.6	0.02	0.2	49
EGUA E	0 14 35 29.7	E 0	14 35 49.1	0.02	0.5	74
ECOG E	0 14 35 29.8	E 0	14 35 48.9	0.02	0.3	51

13 oct 14h 45m 45.5s 37°04'N 05°28'W 3Km
rms ±0.7s mb 2.6 S. MORON FRONTERA. SE

EPRU I D 0	14 45 47.5	E 0	14 45 51.0	0.46	0.6	52
EJIF E	0 14 45 56.7	E 0	14 46 05.1	0.04	0.5	51
EHOR E	0 14 45 59.5	E 0	14 46 10.5	0.03	0.3	36
ALJ E	4 14 46 01.0					
ELUQ E	0 14 46 05.5	E 0	14 46 20.1		0.3	32
EVAL E	0 14 46 05.8	E 0	14 46 22.3	0.02	0.3	17
ECOG E	0 14 46 12.5	E 0	14 46 32.5		0.3	73
EGUA E	0 14 46 13.6	E 0	14 46 34.0		0.4	77

13 oct 15h 49m 01.0s 42°26'N 02°09'E 1Km
rms ±0.5s mb 3.3 S. FONT ROMEU. FR

TRGS	0 15 49 03.4	0	15 49 05.5			
VDCF	0 15 49 05.1	0	15 49 08.6			91
VIL	0 15 49 06.9	0	15 49 12.6			
OLT	0 15 49 07.7	0	15 49 13.2			
ALB	0 15 49 08.6	0	15 49 14.6			
PERF	0 15 49 10.5					
ETER I D 0	15 49 10.6	E 0	15 49 18.1	0.07	0.2	61
SQD	0 15 49 11.0	0	15 49 18.4			
LSPF	0 15 49 11.1	0	15 49 19.5			
MTHF	0 15 49 11.5					
GRBF	0 15 49 11.8	0	15 49 19.2			
FONT	0 15 49 13.7					
SOR	0 15 49 14.0	0	15 49 25.5			
SALF	0 15 49 14.4	0	15 49 24.6			
MRE	0 15 49 16.8	0	15 49 29.3			
LESF	0 15 49 16.8	0	15 49 28.8			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
MLS	0	15 49 18.0		0	15 49 30.3			
PON	0	15 49 19.6						
FBR	0	15 49 20.0		0	15 49 33.0			
AVN	0	15 49 22.2		0	15 49 38.6			
EGRA I C 0	0	15 49 26.6		E 0	15 49 46.0	0.05	0.2	59
EPF	0	15 49 26.7						
ENSF	0	15 49 27.1		0	15 49 46.0			
EBR				4	15 50 04.0			
EROQ I D 9	15 49 38.3			E 0	15 50 05.2	0.03	0.3	61
LPO	9	15 49 45.2		0	15 50 14.4			
ELIZ E	0	15 49 45.8		0	15 50 20.8			99
CAF	9	15 49 47.1		0	15 50 17.9			
RJF	4	15 49 54.9		4	15 50 31.9			
ECRI E	0	15 49 56.5		0	15 50 35.0			
ETOR E	0	15 49 57.0						

13 oct 16h 34m 38.1s 37°04'N 05°19'W 9Km
rms ±0.3s mb 2.4 E. MORON FRONTERA. SE

EPRU E	0 16 34 40.0	E 0	16 34 43.0	0.04	0.2	45	
EJIF E	0 16 34 50.2				0.02	0.4	40
EHOR E	0 16 34 52.0	E 0	16 35 02.3	0.01	0.2	30	
EVAL		E 0	16 35 16.8			40	
EBAN E	9 16 35 10.0	E 0	16 35 30.9			45	

14 oct 03h 50m 49.5s 37°22'N 02°28'W 3Km
rms ±0.5s mb 2.9 SW. TIJOLA. AL

EHUE E	0 03 50 57.7	E 0	03 51 03.4	0.04	0.2	45	
ENIJ I C 0	03 50 58.0	E 0	03 51 03.5	0.09	0.2	60	
ECOG I C 0	03 51 05.5	E 0	03 51 18.1	0.04	0.2	65	
EGUA I C 0	03 51 08.0	E 0	03 51 21.2	0.02	0.3	50	
EALH I D 0	03 51 08.0	E 0	03 51 20.4	0.02	0.4	40	
EVIA I D 0	03 51 12.9	E 0	03 51 30.7	0.02	0.2	45	
ELUQ E	0 03 51 16.7					0.3	45
EHOR E	0 03 51 26.2	E 0	03 51 54.4			0.3	50

15 oct 04h 23m 52.4s 36°59'N 02°21'E
rms ±0.7s mb 3.7 W. ARGEL

ACU E	0 04 24 35.2	E 0	04 25 06.2			45
ESEL E	0 04 24 36.0	E 0	04 25 11.0		0.2	55
ENIJ E	0 04 24 49.6					93
EHUE E	0 04 24 53.2					78
EROQ E	0 04 24 53.7	E 0	04 25 41.8		0.2	80
ECOG E	0 04 24 64.0	E 0	04 25 55.2			85
EVIA E	0 04 24 56.0	E 0	04 25 43.6			95
ETER E	0 04 25 10.5	E 0	04 26 11.4			70
EPF	0 04 25 23.9					
LMR	0 04 25 34.9	0	04 26 52.0			
LRG	0 04 25 36.8	0	04 26 53.0			
FRF	0 04 25 38.7	0	04 26 58.2			
PGF	0 04 25 40.1	0	04 27 02.1			
SBF	0 04 25 46.9	0	04 27 10.7			
CAF	4 04 25 48.5					

15 oct 08h 37m 56.9s 36°47'N 02°02'E
rms ±0.6s mb 4.4 W. ARGEL

ACU I D 0	08 38 36.1	E 0	08 39 03.8	0.05	0.3	215
EALH E	0 08 38 40.4	E 0	08 39 13.5	0.10	0.4	180
ESEL I C 0	08 38 41.5	E 0	08 39 15.5	0.14	0.3	280
ENIJ E	0 08 38 46.8	E 0	08 39 23.8	0.04	0.3	220
VIV E	0 08 38 50.2	E 0	08 39 28.7	0.04	0.3	
ECHE E	0 08 38 51.5	E 0	08 39 30.8	0.02	0.3	250
EHUE E	0 08 38 53.1	E 0	08 39 34.2	0.03	0.3	230
EVIA E	0 08 38 55.7	E 0	08 39 39.8	0.04	0.3	205
EBR E	0 08 38 58.0					
EROQ I D 0	08 38 58.0	E 0	08 39 43.4	0.05	0.3	200
EGUA I C 0	08 39 01.3	E 0	08 39 51.5	0.04	0.3	220
ECOG E	0 08 39 02.0	E 0	08 39 50.6	0.03	0.3	230

EST I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
ETER I C 0	13 59 13.2	E 0	13 59 23.9	0.02	0.2	30
SOR 0	13 59 14.2					
PON 0	13 59 18.6					
FONT 0	13 59 19.5	0	13 59 34.7			
ENSF 0	13 59 22.1					
EPF 0	13 59 22.4	0	13 59 38.9			
AVN 0	13 59 25.4					
EGRA 0	13 59 24.5	E 0	13 59 45.0	0.01	0.2	33
LPO 4	13 59 34.5	0	13 59 56.3			
CAF 4	13 59 37.2	4	14 00 01.2			
LEF 9	13 59 40.8	0	14 00 08.3			
RJF 4	13 59 43.9	4	14 00 14.8			

18 oct 23h 48m 38.4s 36°00'N 10°31'W
 rms ±0.5s mb 3.5 SW. CABO SAN VICENTE

FIG		E 0	23 49 41.3			
EVAL E 0	23 49 29.0	E 0	23 50 06.0		0.3	70
MOE 4	23 49 40.3	E 4	23 49 55.0			
EHOR E 0	23 49 45.0	E 0	23 50 35.0			55
TIO 0	23 50 00.6	E 4	23 50 26.5			
EBAN I C 0	23 50 01.4	E 0	23 51 04.4			75
EPLA		E 0	23 50 53.0			
PAB		E 4	23 51 16.8			

19 oct 18h 13m 56.8s 38°18'N 01°20'W 7Km
 rms ±0.7s mb 3.5 N. CIEZA.MU

EALH I D 0	18 14 03.8	E 0	18 14 11.6	0.30	0.3	120
ACU I D 0	18 14 10.8	E 0	18 14 20.5	0.15	0.4	120
EVIA I C 0	18 14 14.3	E 0	18 14 28.1			140
VIV I 0	18 14 15.0	E 0	18 14 27.5			
EHUE I D 0	18 14 18.1	E 0	18 14 30.5	0.27	0.4	120
ECHE I D 0	18 14 19.8	E 0	18 14 37.4	0.18	0.3	130
ENIJ E 0	18 14 23.5	E 0	18 14 41.9	0.11	0.5	110
EBAN I C 0	18 14 28.1	E 0	18 14 53.1	0.05	0.2	130
ECOG E 0	18 14 31.7	E 0	18 14 53.8	0.24	0.4	135
EGUA E 0	18 14 34.2	E 0	18 15 03.1	0.10	0.4	115
ELUQ E 0	18 14 36.1	E 0	18 15 05.0	0.09	0.5	140
ETOR E 0	18 14 39.0	E 0	18 15 07.9	0.12	0.4	140
EROQ I C 0	18 14 41.7	E 0	18 15 15.7			90
EBR 0	18 14 42.0					
EHOR E 0	18 14 44.0	E 0	18 15 21.3	0.05	0.3	130
GUD E 0	18 14 46.6	E 0	18 15 23.7	0.05	0.4	120
EPRU E 0	18 14 49.0					145
EPLA E 0	18 14 57.4	E 0	18 15 43.8	0.04	0.4	140
EGRA E 0	18 14 57.6					130
EJIF E 0	18 14 54.7					120
EVAL E 0	18 15 01.8					150
ECRI E 0	18 15 03.0					120
PAB 0	18 14 38.5					
MTE 0	18 15 15.0	0	18 16 13.0			
MOE 0	18 15 17.0	0	18 16 18.0			
FIG 0	18 15 14.0					

20 oct 22h 59m 09.9s 37°38'N 04°22'W 14Km
 rms ±0.7s mb 2.8 BAENA.CO

ELUQ I D 0	22 59 13.5	E 0	22 59 16.5		0.2	47
ECOG I C 0	22 59 21.8	E 0	22 59 31.9		0.2	35
EBAN I D 0	22 59 22.6	E 0	22 59 31.7	0.05	0.2	44
EHOR I C 0	22 59 23.0	E 0	22 59 32.7	0.05	0.3	47
EGUA I C 0	22 59 28.1	E 0	22 59 42.0			36
EHUE E 0	22 59 34.7	E 0	22 59 53.2		0.2	18

21 oct 03h 31m 58.4s 37°02'N 03°47'W 3Km
 rms ±0.2s mb 2.0 E. AGRON.GR

EGUA E 0	03 32 03.2	E 0	03 32 07.1		0.2	36
ECOG E 0	03 32 03.7	E 0	03 32 08.1			30
EBAN I D 0	03 32 19.3	E 0	03 32 35.4			37

EST I/E W HORA P I/E W HORA S AMP PER DUR

21 oct 10h 25m 20.3s 37°23'N 03°48'W 33Km
 rms ±0.5s mb 2.9 N. MOCLIN.GR

ECOG I C 0	10 25 26.8	E 0	10 25 31.6	0.17	0.2	53
ELUQ E 0	10 25 29.2	E 0	10 25 34.6	0.02	0.4	43
EGUA I D 0	10 25 30.9	E 0	10 25 39.1	0.03	0.3	53
EBAN I D 0	10 25 34.1	E 0	10 25 44.4	0.11	0.2	71
EHUE E 0	10 25 38.7	E 0	10 25 51.9	0.04	0.2	40
EHOR E 0	10 25 40.7	E 0	10 25 55.7	0.02	0.2	41
EVIA E 0	10 25 45.4	E 0	10 26 04.2	0.02	0.2	50

21 oct 13h 30m 23.1s 36°50'N 03°39'W 3Km
 rms ±0.4s mb 2.2 W. GUAJAR-FARAGUIT.GR

EGUA I C 0	13 30 23.5	E 0	13 30 26.0	0.10	0.3	35
ECOG I 0	13 30 31.0	E 0	13 30 37.5			26
ELUQ E 2	13 30 39.3					
ENIJ E 2	13 30 44.5					
EBAN E 0	13 30 47.5	E 0	13 31 05.3			27

22 oct 07h 19m 47.8s 42°51'N 01°02'W 10Km
 rms ±0.2s mb 2.4 SIERRA DE ATUZCARAZ.NA

BOH 0	07 19 52.6	E 0	07 19 56.8			
LHE 0	07 19 53.2	E 0	07 19 58.4			
ATE 0	07 19 54.2	E 0	07 19 58.9			
MADF 0	07 19 54.3	E 0	07 19 58.5			
ESCF 0	07 19 55.2	E 0	07 20 00.7			
ELIZ E 0	07 19 56.8	E 0	07 20 03.5	0.01	0.2	30
ECRI E 0	07 20 07.9	E 0	07 20 22.8		0.3	30
EGRA E 0	07 20 11.0				0.3	35

22 oct 18h 55m 44.4s 36°56'N 02°32'W 4Km
 rms ±0.5s mb 2.6 ALHAMA DE ALMERTA.AL

ENIJ I D 0	18 55 49.0	E 0	18 55 52.4	0.10	0.2	25
EGUA E 0	18 55 59.0	E 0	18 56 11.0	0.01	0.3	24
ECOG E 0	18 56 00.0	E 0	18 56 12.3		0.3	25
EBAN E 0	18 56 13.0	E 0	18 56 33.0		0.2	30
EVIA E 0	18 56 14.5	E 0	18 56 36.3			35

22 oct 22h 45m 54.0s 37°46'N 02°03'W 3Km
 rms ±0.6s mb 3.1 N. VELEZ-BLANCO.AL

EHUE I C 0	22 46 00.6	E 0	22 46 07.6	0.08	0.2	55
EALH E 0	22 46 02.5	E 0	22 46 10.9	0.02	0.3	65
ENIJ I D 0	22 46 08.4	E 0	22 46 19.8	0.04	0.3	55
EVIA I C 0	22 46 11.0	E 0	22 46 23.9	0.06	0.2	80
ECOG E 0	22 46 18.8	E 0	22 46 35.9	0.04	0.3	60
EBAN I C 0	22 46 19.0	E 0	22 46 38.3	0.05	0.2	80
EGUA E 0	22 46 21.6	E 0	22 46 39.8	0.02	0.3	60
ELUQ E 0	22 46 25.1	E 0	22 46 47.1		0.3	75

24 oct 18h 19m 54.8s 42°41'N 00°07'E 3Km
 rms ±0.4s mb 2.5 SIERRA DE ESPIERBA.HU

ENSF 0	18 19 58.1	0	18 20 01.7			
MLS 0			18 20 18.2			
EPF 0	18 20 01.8	0	18 20 06.7			
VIIH 0	18 20 03.0	0	18 20 10.6			
EGRA E 0	18 20 04.2	E 0	18 20 10.9	0.01	0.3	30
PON 0	18 20 04.4					
SOR 0	18 20 09.3					

Table with columns EST I/E W, HORA P, I/E W, HORA S, AMP, PER, DUR. Rows include seismic events like EPRU E, ETOR E, EROQ E, GUD I C, EJIF, EVAL E, EPLA E, EGRA E, ECRI E, EPF, ERUA E, LPO.

04 nov 20h 15m 10.0s 37°20'N 01°21'W 13Km rms ±0.4s mb 2.9 S.GOLFO DE MAZARRON

Table with columns EST I/E W, HORA P, I/E W, HORA S, AMP, PER, DUR. Rows include seismic events like EALH I C, ENIJ I C, EHUE E, EVIA E, ACU E, ECOG E, EBAN E, ELUQ E, EHOR.

05 nov 04h 39m 03.5s 37°20'N 01°52'W 2Km rms ±0.6s mb 3.0 II-III CUEVAS DE ALMANZORA.AL

Table with columns EST I/E W, HORA P, I/E W, HORA S, AMP, PER, DUR. Rows include seismic events like ENIJ I C, EALH E, EHUE I D, ECOG E, EVIA E, EGUA E, ELUQ E, ECHE E, EHOR E, ETOR E, GUD E.

05 nov 08h 39m 23.5s 42°25'N 02°09'E 1Km rms ±0.4s mb 3.2 SW.PRADES.FR

Table with columns EST I/E W, HORA P, I/E W, HORA S, AMP, PER, DUR. Rows include seismic events like TRGS, VDCH, VIL, OLT, PAND, ALB, SQD, PERF, ETER I D, LSPF, MTHF, GRBF, FONT, SOR, SALF, LESF, MLS, ENSF, EGRA E, EPF, EBR, EROQ I D, BTH I C, LPO, CAF, ECRI E.

Table with columns EST I/E W, HORA P, I/E W, HORA S, AMP, PER, DUR. Rows include seismic events like FRF, ETOR E.

06 nov 05h 33m 48.8s 36°50'N 04°32'W 57Km rms ±0.8s mb 2.9 ALMOGIA.MA

Table with columns EST I/E W, HORA P, I/E W, HORA S, AMP, PER, DUR. Rows include seismic events like MAL I, EHUE, EPRU I D, EJIF E, EGUA E, ELUQ E, ECOG I D, EHOR E, EVIA E.

07 nov 13h 01m 56.6s 34°23'N 03°14'W 12Km rms ±0.8s mb 2.9 SW.TAOURIRT.MAC

Table with columns EST I/E W, HORA P, I/E W, HORA S, AMP, PER, DUR. Rows include seismic events like TOU I, TAF I, EMEL I C, PAL I, TGT I, IFR I, MSH I, CLZ I, NKM I, EGUA I D, MAL E, ENIJ I C, TNF I, EJIF E, ECOG I C, EPRU E, ELUQ I C, AVE I, EHOR I D, EBAN E, EVAL E, EVIA E, TIO E.

09 nov 00h 22m 32.9s 36°21'N 04°29'W 59Km rms ±0.9s mb 3.8 S.FUENGIROLA

Table with columns EST I/E W, HORA P, I/E W, HORA S, AMP, PER, DUR. Rows include seismic events like MAL I C, EGUA I D, EJIF I D, EPRU I D, NKM I, MOMI, PLAT, PAL I, ELUQ I C, ECOG I C, GIBL, CNIL, BIT I, CPS I, RANB, SFS, EHOR I D, TOU I, EMEL I D, TSY I, RSA I, ENIJ E C, ZAI I, EVAL I D, EHUE I D, TAF I, EVIA E.

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ENIJ	I	D	07 33 57.4	E 0	07 34 24.7	0.17	0.4	230
EVIA	I	C	07 33 57.5	E 0	07 34 21.4			295
EHUE	E	C	07 33 58.8	E 0	07 34 23.9	0.12	0.4	195
EROQ	I	C	07 34 06.0	E 0	07 34 37.7	0.26	0.5	245
EBR	E		07 34 06.5					
ESEL	I	C	07 34 07.7	E 0	07 34 39.3	0.19	0.5	
EBAN	I	C	07 34 10.2	E 0	07 34 45.5	0.04	0.2	245
ECOG	E	C	07 34 11.3	E 0	07 34 45.8	0.17	0.3	230
EGUA	I	D	07 34 13.0	E 0	07 34 49.6	0.09	0.5	230
ETOR	E	C	07 34 13.2	E 0	07 34 49.8	0.13	0.3	265
ELUQ	I	C	07 34 16.6	E 0	07 34 57.7	0.06	0.4	235
PAB	I		07 34 19.8	I 4	07 35 11.0			200
EGRA	E	D	07 34 25.1	E 0	07 35 11.3	0.07	0.5	265
GUD	I	C	07 34 25.3	E 0	07 35 10.5	0.08	0.3	233
EHOR	I	C	07 34 25.4	E 0	07 35 14.9	0.05	0.4	245
EPRU	E	C	07 34 28.8	E 0	07 35 18.0	0.05	0.5	210
EJIF	E		07 34 32.7	E 0	07 35 25.8	0.03	0.4	220
EPP			07 34 37.6	E 0	07 35 31.3			203
ECRI	E	D	07 34 38.3	E 0	07 35 32.7	0.09	0.4	210
EPLA	I	C	07 34 39.1	E 0	07 35 37.4	0.11	0.3	200
EEVA	E	C	07 34 41.8	E 0	07 35 41.9	0.02	0.4	205
FIG			07 34 55.0	E 0	07 36 05.0			
MTE			07 34 55.3	E 0	07 36 03.5			
LPO			07 34 59.8	E 0	07 36 12.6			124
MOE			07 35 00.0	E 0	07 36 11.0			
LEFF			07 35 03.6	E 0	07 36 18.2			89
ERUA	I		07 35 04.4			0.04	0.5	235
COI			07 35 04.7	E 4	07 37 06.0			
CAF			07 35 05.1	E 0	07 36 21.6			43
EMON	E		07 35 14.3					200
EZAM	E		07 35 16.5					
STS	E		07 35 20.4					

12 nov 09h 21m 48.3s 42°05'N 07°40'W 4Km
rms ±0.5s mb 2.3 XINZO DE LIMIA. OR

ERUA	E		09 21 58.0	E 0	09 22 03.5		0.3	29
EZAM	E		09 22 02.5	E 0	09 22 12.0		0.2	26
STS	E		09 22 08.1	E 0	09 22 21.0			17
EMON	E		09 22 13.2	E 0	09 22 32.0		0.2	40

12 nov 09h 28m 05.1s 42°06'N 07°44'W 5Km
rms ±0.5s mb 3.3 III-IV XINZIO DE LIMIA. OR

ERUA	I	C	09 28 14.9	E 0	09 28 21.4		0.0	84
EZAM	E		09 28 18.5	E 0	09 28 28.3	0.15	0.2	57
STS	I	C	09 28 23.7	E 0	09 28 36.3	0.10	0.3	80
PTO			09 28 25.5	E 0	09 28 41.7			
EMON	I		09 28 30.7	E 0	09 28 47.3		0.0	95
MTE			09 28 34.2	E 0	09 28 56.2			
EPLA	E		09 28 43.0	E 0	09 29 11.1	0.02	0.2	89
GUD	I	C	09 28 52.4	E 0	09 29 29.3	0.04	0.4	93
ECRI	E		09 29 05.0					70
ETOR	E		09 29 11.2					85

12 nov 15h 57m 18.5s 42°30'N 06°56'W 4Km
rms ±0.8s mb 2.4 O. BARCO. OR

ERUA	I	C	15 57 20.4	E 0	15 57 24.8	0.02	0.2	37
STS	E		15 57 40.5	E 0	15 57 59.5			25
EMON	E		15 57 37.2	E 0	15 57 48.8		0.2	60
EZAM	E		15 57 43.0	E 0	15 58 02.0			
EPLA	E		15 58 00.0	E 0	15 58 29.0		0.2	59
GUD	E		15 58 04.1	E 0	15 58 36.9		0.3	62
ECRI	E		15 58 17.5	E 0	15 58 56.0			

13 nov 02h 29m 10.7s 36°49'N 05°04'W 12Km
rms ±0.7s mb 2.5 N. RONDA. MA

EPRU	E		02 29 14.7	E 0	02 29 17.5	0.06	0.2	35
EVAL	E		02 29 35.1	E 0	02 29 57.0			15

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EJIF	E		02 29 19.7	E 0	02 29 27.0			33
EHOR	E		02 29 30.0	E 0	02 29 42.6		0.3	20

13 nov 06h 09m 46.7s 36°44'N 02°53'W 2Km
rms ±0.5s mb 2.2 EL EJIDO. AL

EGUA	E		06 09 57.1	E 0	06 10 03.5	0.01	0.3	20
ENIJ	E		06 09 58.3	E 0	06 10 05.0	0.01	0.3	15
ECOG	E		06 10 00.7	E 0	06 10 11.3	0.01	0.4	28

13 nov 18h 21m 0.7s 36°25'N 03°41'W 3Km
rms ±0.5s mb 2.5 MAR DE ALBORAN

EGUA	I	C	18 21 08.1	E 0	18 21 13.6		0.0	60
ECOG	E		18 21 16.0	E 0	18 21 28.3	0.01	0.2	51
ELUQ	E		18 21 22.8	E 0	18 21 40.5	0.01	0.5	50
EPRU	E		18 21 25.1	E 0	18 21 43.5	0.01	0.6	45
EBAN	E		18 21 31.6	E 0	18 21 54.2	0.01	0.2	64
EHOR	E		18 21 33.2	E 0	18 21 56.5	0.01	0.7	63

13 nov 19h 01m 28.9s 36°01'N 05°05'W
rms ±0.8s mb 2.8 ESTRECHO DE GIBRALTAR

EJIF	E		19 01 37.7	E 0	19 01 44.9	0.16	0.2	57
EPRU	I	D	19 01 46.8	E 0	19 01 59.3	0.05	0.5	48
EGUA	E		19 01 55.2	E 0	19 02 13.3	0.01	0.2	57
EHOR	E		19 02 00.7	E 0	19 02 23.9	0.02	0.4	44
EBAN	E		19 02 14.2	E 0	19 02 43.3		0.3	60

14 nov 15h 11m 02.1s 37°30'N 01°28'W 9Km
rms ±0.7s mb 2.8 II-III GOLFO DE MAZARRON

EALH	I	D	15 11 08.2	E 0	15 11 13.6	0.02	0.2	47
ENIJ	E		15 11 15.4	E 0	15 11 27.4	0.02	0.3	43
EVIA	E		15 11 25.9	E 0	15 11 43.7	0.03	0.2	57
ECOG	E		15 11 31.7	E 0	15 11 52.0		0.3	43
EGUA	E		15 11 32.0	E 0	15 11 53.9			55
EBAN	E		15 11 34.9	E 0	15 11 59.2		0.2	50
ECHE	E		15 11 37.3	E 0	15 12 02.0			60

14 nov 17h 03m 47.3s 38°17'N 00°50'W 2Km
rms ±0.4s mb 2.5 ELCHE. A

ACU	I	D	17 03 54.1	E 0	17 04 00.3	0.03	0.5	55
EALH	I	C	17 03 58.5	E 0	17 04 07.8	0.01	0.3	57
VIV	E		17 04 05.1	E 0	17 04 20.2			
ECHE	E		17 04 11.6	E 0	17 04 29.3	0.02	0.4	73
EVIA	E		17 04 11.8	E 0	17 04 30.7	0.01	0.4	85
ENIJ	E		17 04 16.5	E 0	17 04 39.3			50
ECOG	E		17 04 29.5	E 0	17 04 58.5			65
EBAN	E		17 04 24.4	E 0	17 04 53.7			50
ETOR	E		17 04 37.0	E 0	17 05 09.0			70
GUD	E		17 04 52.0	E 0	17 05 33.0			
PAB	E		17 04 33.0	I 4	17 05 23.0			

15 nov 05h 03m 48.7s 39°15'N 00°46'W 9Km
rms ±0.8s mb 3.0 MILLARES. V

VIV	E		05 03 54.5	E 0	05 03 57.8				
ACU	E		05 04 03.5	E 0	05 04 14.5	0.07	0.4	46	
EALH	E		05 04 13.7	E 0	05 04 32.7	0.01	0.3	41	
EVIA	E		05 04 14.6	E 0	05 04 34.6	0.06	0.4	71	
EROQ	E		05 04 17.4	E 0	05 04 40.6	0.02	0.3	54	
ETOR				E 0	05 04 42.5	0.03	0.5	69	
EBR				E 0	05 04 43.0				
EBAN	E		05 04 29.5	E 0	05 05 00.5	0.01	0.2	81	
ESEL	E		05 04 32.7					0.0	46

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I.G.N.

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
PALM	E		4 20 38 23.3						
EHOR	E		0 20 38 30.0	E	0	20 39 08.2	0.02	0.3	170
EBAN	E		0 20 38 35.6	E	0	20 39 13.8	0.04	0.2	145
ECRI	E		0 20 38 35.9	E	0	20 39 24.7	0.02	0.2	173
ETOR	E		0 20 38 37.4	E	0	20 39 22.8			138
EPRU				E	0	20 39 27.8	0.01	0.2	164
FIG		4	20 38 38.0	E	4	20 39 31.3			
EVIA	E		9 20 38 45.5	E	0	20 39 48.2			
ECOG	E		0 20 38 46.9	E	0	20 39 40.0	0.01	0.2	190
ECHE				E	0	20 39 43.8			165
EPF		4	20 39 06.7		4	20 39 52.3			173
BTH	E		9 20 39 13.2	E	0	20 40 18.9			
LFF				E	0	20 40 20.3			
RJF									
CAF				0		20 40 50.4			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LESF	I	C	0 23 38 31.7		0	23 38 39.1			
SALF					0	23 38 39.6			
ETER	E		0 23 38 38.8	E	0	23 38 50.7			0.2
BRU					0	23 38 41.8			
MLS					0	23 38 32.9			
SOR					0	23 38 36.0			
OLT					0	23 38 37.7			
VIH					0	23 38 38.1			0 23 38 49.3
EPF					0	23 38 44.9			0 23 38 59.6
LPO		9	23 38 59.0		0	23 39 23.0			
CAF					4	23 39 28.5			
LFF					4	23 39 33.5			
RJF					4	23 39 41.2			

24 nov 23h 28m 43.2s 42°49'N 01°56'E 2Km
rms ±0.8s mb 3.4 E. TARASCON.FR

25 nov 00h 19m 52.8s 42°49'N 01°54'E 4Km
rms ±0.5s mb 2.6 E. TARASCON.FR

LSPF	I	D	0 23 28 45.6		0	23 28 48.4			
GRBF	I	C	0 23 28 47.9		0	23 28 52.3			
TRGS	I	C	0 23 28 48.8						
VDCF	I	C	0 23 28 50.2		0	23 28 56.3			
PAND	I	C	0 23 28 50.4						
MTHF	I	C	0 23 28 51.4		0	23 28 58.9			
LESF	I	C	0 23 28 52.2		0	23 28 59.3			
SALF	I	C	0 23 28 52.4		0	23 29 00.1			
BRU	I	D	0 23 28 53.7						
MLS	I	C	0 23 28 54.2		0	23 29 02.8			
VIL					0	23 28 56.1			
SOR	I	C	0 23 28 56.3						
PERF	I	C	0 23 28 57.1		4	23 29 02.8			
ALB	I	C	0 23 28 57.2						
OLT					0	23 28 57.7			
VIH	I	C	0 23 28 58.7		0	23 29 10.2			
ETER	I	D	0 23 28 59.0	E	0	23 29 09.5	0.08	0.2	82
PON	I	D	0 23 29 00.6						
ENSF	I	D	0 23 29 04.3						
EPF					0	23 29 19.4			
AVN	I	C	0 23 29 06.9						
EGRA	E		0 23 29 08.8	E	0	23 29 26.0	0.07	0.2	93
BTH	E		0 23 29 12.8	E	0	23 29 33.2			
LPO		9	23 29 19.7		0	23 29 44.9			
CAF		4	23 29 21.7		4	23 29 49.7			
EROQ	E		0 23 29 22.3	E	0	23 29 50.3	0.04	0.2	66
LFF		9	23 29 26.2		0	23 29 55.0			
ELIZ	E		0 23 29 26.2	E	0	23 29 56.7			116
RJF		4	23 29 29.4		4	23 30 02.5			
LRG		0	23 29 34.2		0	23 30 11.6			
LMR		0	23 29 35.5		0	23 30 14.1			
ECRI	E		0 23 29 36.4	E	0	23 30 14.3			141
FRF		0	23 29 37.5		0	23 30 17.0			
ETOR	E		0 23 29 39.6	E	0	23 30 20.0	0.03	0.3	128
SBF					0	23 29 46.0			
MAF		4	23 29 47.1		4	23 30 30.7			
TCF		4	23 29 47.2		4	23 30 31.4			
LSF		4	23 29 47.3		4	23 30 30.9			
LPL		0	23 29 50.9						
LPG		0	23 29 51.2						
BGF		4	23 29 53.2		4	23 30 42.7			
AVF		4	23 29 58.1		4	23 30 50.8			
PGF		4	23 29 58.9		4	23 30 56.3			
SMF					4	23 30 50.7			
SSF		4	23 30 04.6		4	23 31 00.2			
PAB	E	4	23 31 13.5	E	4	23 31 44.5			

24 nov 23h 38m 22.6s 42°48'N 01°54'E 4Km
rms ±0.3s mb 2.2 E. TARASCON.FR

25 nov 06h 47m 06.1s 36°26'N 07°29'W
rms ±0.3s mb 2.7 SE. FARO

LSPF	I	D	0 23 38 24.9		0	23 38 27.6			
GRBF	I	C	0 23 38 27.2		0	23 38 31.4			
TRGS	I	C	0 23 38 28.1		0	23 38 32.6			
PAND					0	23 38 34.6			
VDCF	I	C	0 23 38 29.4		0	23 38 35.6			
MTHF					0	23 38 38.3			

25 nov 14h 59m 02.4s 42°44'N 09°08'W 9Km
rms ±0.7s mb 2.6 RIA DE MUROS

LESF	I	D	0 00 19 54.9		0	00 19 57.7			
GRBF	I	C	0 00 19 57.3		0	00 20 01.6			
TRGS	I	D	0 00 19 58.2		0	00 20 02.6			
VDCF	I	C	0 00 19 59.5		0	00 20 05.8			
PAND	I	C	0 00 19 59.7						
MTHF	I	D	0 00 20 00.8		0	00 20 08.2			
LESF	I	D	0 00 20 01.6		0	00 20 09.7			
SALF	I	D	0 00 20 01.8		0	00 20 10.1			
MLS					0	00 20 12.0			
BRU		0	00 20 03.2						
SOR		0	00 20 06.2		0	00 20 16.0			
OLT		0	00 20 08.0						
VIH		0	00 20 08.1		0	00 20 20.5			
ETER	E		0 00 20 08.9	E	0	00 20 20.8			0.2 27
ENSF					0	00 20 29.8			
EPF		9	00 20 14.9		0	00 20 30.0			
AVN		0	00 20 17.8		0	00 20 33.7			
EGRA	E		9 00 20 19.4	E	0	00 20 37.2			0.2 34
CAF		9	00 20 31.0		0	00 20 58.7			
LPO					4	00 20 53.7			
LFF		9	00 20 34.3		0	00 21 04.3			
MAF					4	00 21 40.5			
LSF					4	00 21 40.7			
TCF					4	00 21 41.9			
BGF					4	00 21 51.3			

25 nov 16h 34m 03.4s 43°07'N 00°43'W 17Km
rms ±0.4s mb 2.7 SW. OLORON-STE.MARIE.FR

EVAF	E		0 06 47 26.5	E	0	06 47 42.3			0.2 45
EPRU					E	0	06 47 56.5		
EHOR	E		0 06 47 41.0	E	0	06 48 06.5			38
EBAN	E		0 06 47 56.5	E	0	06 48 34.0			0.2 46

ATE		0	16 34 05.9		0	16 34 07.8			
ESCF		0	16 34 06.4						
MADF		0	16 34 06.7		0	16 34 09.0			
ISSF		0	16 34 06.9		0	16 34 09.5			
OGE		0	16 34 07.7		0	16 34 11.1			
LHE		0	16 34 08.1		0	16 34 11.1			
BOH		0	16 34 08.3						
JAU		0	16 34 08.9						
ELIZ	E		0 16 34 14.6	E	0	16 34 22.9	0.02	0.2	25
EPF		0	16 34 18.2		0	16 34 29.4			

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I.G.N.

EST I/E W HORA P I/E W HORA S AMP PER DUR

TAF I 0 13 18 23.0 I 4 13 19 00.0

30 nov 23h 23m 00.6s 35°36'N 03°28'W 15Km rms ±0.6s mb 3.0 MAR DE ALBORAN

Table with 10 columns: Station, Magnitude, Depth, Distance, etc. Rows include ECOG E, ELOJ E, EJIF E, etc.

02 dic 06h 59m 18.7s 43°10'N 01°50'W 4Km rms ±0.8s mb 2.9 GOIZUETA.NA

Table with 10 columns: Station, Magnitude, Depth, Distance, etc. Rows include ELIZ E, ECRI E, EGRA E, etc.

02 dic 08h 35m 17.3s 36°24'N 08°21'W 23Km rms ±0.5s mb 3.3 S CABO SAN VICENTE

Table with 10 columns: Station, Magnitude, Depth, Distance, etc. Rows include FIG E, MOE I, EVAL, etc.

02 dic 09h 09m 58.7s 36°19'N 05°24'W 4Km rms ±0.5s mb 2.6 CASTELLAR FRONTERA.CA

Table with 10 columns: Station, Magnitude, Depth, Distance, etc. Rows include EJIF E, MOMI I, ALJ I, etc.

02 dic 16h 10m 25.3s 36°59'N 03°43'W 3Km rms ±0.7s mb 2.8 II-III S PADUL.GR

Table with 10 columns: Station, Magnitude, Depth, Distance, etc. Rows include EGUA I D, ECOG I D, ELOJ I D, etc.

EST I/E W HORA P I/E W HORA S AMP PER DUR

03 dic 08h 51m 20.5s 37°03'N 04°20'W 12Km rms ±0.3s mb 2.7 NW ALFARNATE.MA

Table with 10 columns: Station, Magnitude, Depth, Distance, etc. Rows include ELOJ I, EMAL E, MAL E, EGUA E

03 dic 09h 21m 15.7s 37°03'N 04°18'W 8Km rms ±0.1s mb 2.5 N ALFARNATE.MA

Table with 10 columns: Station, Magnitude, Depth, Distance, etc. Rows include ELOJ I D, EMAL E, EGUA E

05 dic 14h 15m 41.4s 38°29'N 01°15'W 3Km rms ±0.8s mb 3.2 E JUMILLA.MU

Table with 10 columns: Station, Magnitude, Depth, Distance, etc. Rows include EALH I D, ACU I C, EVIA I D, etc.

06 dic 08h 40m 17.3s 43°01'N 00°08'W rms ±0.6s mb 2.2 ARGELES-GAZOST.FR

Table with 10 columns: Station, Magnitude, Depth, Distance, etc. Rows include BTH, BDBF, EPF, ENSF, etc.

07 dic 02h 53m 21.0s 37°02'N 04°17'W 5Km rms ±0.4s mb 2.4 N ALFARNATE.MA

Table with 10 columns: Station, Magnitude, Depth, Distance, etc. Rows include ELOJ E, EMAL E, MAL E, EGUA E, EPRU, EHOR E, EBAN E

07 dic 03h 11m 17.6s 41°32'N 03°04'W 5Km rms ±0.7s mb 3.0 BURGO DE OSMO.SO

Table with 10 columns: Station, Magnitude, Depth, Distance, etc. Rows include ETOR E, ECRI E, GUD E, ELIZ E, ECHE E

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I.G.N.

EST I/E W HORA P I/E W HORA S AMP PER DUR

11 dic 01h 40m 57.4s 37°01'N 04°14'W 9Km
rms ±0.4s mb 2.8 ALFARNATE.MA

ELOJ I D 0	01 41 00.5	E 0	01 41 03.0	0.25	0.2	55
EMAL E	0 01 41 03.0	E 0	01 41 07.2			22
MAL E	0 01 41 03.1	E 0	01 41 07.0			
ELUQ E	0 01 41 07.5	E 0	01 41 14.4			23
EGUA I	0 01 41 08.2	E 0	01 41 15.7	0.04	0.3	62
ECOG E	0 01 41 08.6	E 0	01 41 16.1	0.01	0.3	34
EPRU E	0 01 41 13.1					49
EHOR E	0 01 41 18.3	E 0	01 41 33.2	0.03	0.5	57
EBAN E	0 01 41 19.0	E 0	01 41 34.8	0.03	0.4	50
EJIF E	0 01 41 19.1	E 0	01 41 34.0			46
EHUE E	0 01 41 23.8	E 0	01 41 42.9			53
EVAL E	0 01 41 31.1	E 0	01 41 56.0			68

11 dic 01h 59m 16.1s 37°02'N 04°18'W 7Km
rms ±0.4s mb 2.7 NW ALFARNATE.MA

ELOJ I D 0	01 59 19.4	E 0	01 59 21.8	0.09	0.2	35
EMAL E	0 01 59 21.9	E 0	01 59 25.9			22
MAL E	0 01 59 22.4	E 0	01 59 26.5			
EGUA E	0 01 59 27.5	E 0	01 59 35.5			30
ECOG E		E 0	01 59 36.0			
EPRU E	0 01 59 29.0	E 0	01 59 40.0			40
EHOR E		E 0	01 59 50.6			
EBAN I C 0	01 59 39.0	E 0	01 59 54.6			35

11 dic 02h 51m 09.3s 38°02'N 00°40'W 7Km
rms ±0.4s mb 3.4 III-IV TORREVIEJA.A

ACU I D 0	02 51 18.4	E 0	02 51 25.6	0.61	0.4	122
EALH E C 0	02 51 21.1	E 0	02 51 29.3	0.69	0.7	130
VIV	0 02 51 33.5		0 02 51 50.0			
ECHE E C 0	02 51 36.0	E 0	02 51 55.4	0.40	0.4	151
EHUE E C 0	02 51 36.1	E 0	02 51 55.8	0.08	0.5	146
EVIA E C 0	02 51 36.1	E 0	02 51 56.0	0.41	0.5	135
ENIJ E C 0	02 51 36.2	E 0	02 51 57.6	0.13	0.4	125
EBAN E C 0	02 51 48.3	E 0	02 52 17.7	0.03	0.2	131
ECOG E D 0	02 51 49.1	E 0	02 52 16.8	0.16	0.9	145
EGUA E C 0	02 51 51.0	E 0	02 52 21.1	0.03	0.4	172
EROQ E D 0	02 51 54.2	E 0	02 52 28.4	0.04	0.3	98
ETOR E	0 02 51 55.7	E 0	02 52 30.7	0.08	0.5	131
EBR E	4 02 51 59.0					
EMEL E	0 02 52 00.5	E 0	02 52 38.6	0.02	0.2	70
MAL E	4 02 52 02.2					
EHOR E C 0	02 52 03.8	E 0	02 52 46.7	0.03	0.5	153
GUD E	0 02 52 06.3	E 0	02 52 49.2	0.08	0.4	147
EGRA E	0 02 52 13.0	E 0	02 52 59.9	0.06	0.8	101
EPLA E	0 02 52 19.4	E 0	02 53 12.1	0.01	0.5	128
ECRI E D 0	02 52 20.2	E 0	02 53 13.1	0.03	0.5	138

11 dic 04h 26m 49.9s 37°01'N 04°16'W 5Km
rms ±0.4s mb 2.6 N ALFARNATE.MA

ELOJ I D 0	04 26 52.8	E 0	04 26 55.0	0.20	0.3	35
EMAL E	0 04 26 55.1	E 0	04 26 59.4			25
MAL E	0 04 26 55.3	E 0	04 26 59.6			
ECOG E	0 04 27 01.1	E 0	04 27 09.0			50
EGUA E	0 04 27 01.5	E 0	04 27 10.0	0.01	0.2	30
EHOR E	0 04 27 09.9	E 0	04 27 26.0			35
EBAN E	0 04 27 12.2	E 0	04 27 28.0		0.3	35

11 dic 04h 39m 22.1s 37°01'N 04°21'W 5Km
rms ±0.2s mb 2.4 NW ALFARNATE.MA

ELOJ I D 0	04 39 26.0	E 0	04 39 28.3	0.05	0.3	25
EGUA E	0 04 39 34.1	E 0	04 39 43.4			25
EBAN E	0 04 39 44.5	E 0	04 40 01.9			30

EST I/E W HORA P I/E W HORA S AMP PER DUR

12 dic 08h 47m 04.6s 37°08'N 04°07'W 5Km
rms ±0.8s mb 2.4 S LOJA.GR

ELOJ I C 0	08 47 05.0	E 0	08 47 07.0			35
EMAL E	0 08 47 12.6	E 0	08 47 19.5			18
EGUA E	0 08 47 13.3	E 0	08 47 21.5	0.02	0.3	50
MAL E	0 08 47 15.0	E 0	08 47 18.8			
EBAN E	0 08 47 23.6	E 0	08 47 40.0	0.01	0.3	94
EHOR E	0 08 47 25.5	E 0	08 47 39.7			55

12 dic 18h 30m 38.4s 41°28'N 08°25'W 3Km
rms ±0.4s mb 2.8 NE OPORTO.PORT

PTO I C 4	18 30 40.2	I 4	18 30 43.1			
EZAM E	0 18 30 51.3	E 0	18 31 01.8	0.04	0.2	33
MTE E	4 18 30 56.5	I 4	18 31 12.0			
ERUA E	0 18 31 01.7	E 0	18 31 20.9	0.01	0.2	46
STS E	0 18 31 03.6	E 0	18 31 23.4	0.01	0.2	38
EPLA E	0 18 31 15.5	E 0	18 31 43.7	0.01	0.3	52

12 dic 18h 43m 28.2s 36°40'N 05°05'W 9Km
rms ±0.7s mb 2.9 NE PARAUTA.MA

EPRU I C 0	18 43 33.8	E 0	18 43 39.8	0.33	0.5	68
LIJA I	0 18 43 34.0					
EJIF I C 0	18 43 34.7	E 0	18 43 41.3	0.10	0.3	66
ALJ I	0 18 43 36.8					
MAL E	0 18 43 37.5	E 0	18 43 47.0			
GIBL I	0 18 43 41.8					
PLAF E	4 18 43 45.7					
EHOR E	0 18 43 48.1	E 0	18 44 03.6	0.09	0.2	55
ELUQ E	0 18 43 48.3	E 0	18 44 03.9	0.02	0.3	62
EGUA E	0 18 43 48.8	E 0	18 44 06.2	0.02	0.3	50
ECOG E	0 18 43 52.2	E 0	18 44 10.3	0.01	0.2	53
EVAL E	0 18 43 56.1	E 0	18 44 16.5	0.03	0.4	77

13 dic 23h 36m 21.5s 43°03'N 09°29'W
rms ±0.5s mb 3.2 W CABO DE FINISTERRE

STS E	0 23 36 33.8	E 0	23 36 43.8	0.07	0.2	54
EZAM E	0 23 36 40.7	E 0	23 36 55.4	0.05	0.2	45
EMON E	0 23 36 50.0	E 0	23 37 10.6			71
ERUA E	0 23 36 53.8	E 0	23 37 17.3	0.01	0.2	56

14 dic 06h 30m 55.4s 37°01'N 03°48'W
rms ±0.2s mb 2.5 AGRON.GR

EGUA E	0 06 31 00.2	E 0	06 31 04.0	0.03	0.2	35
ELOJ E	0 06 31 01.0	E 0	06 31 05.0	0.02	0.2	35
ECOG E	0 06 31 01.0	E 0	06 31 05.3	0.04	0.3	30
EBAN E	0 06 31 16.5	E 0	06 31 32.4			35

15 dic 03h 32m 59.8s 36°57'N 11°17'W
rms ±0.6s mb 3.2 ATLANTICO

FIG	0 03 33 44.5	E 0	03 34 17.0			
MOE	0 03 33 45.0	E 0	03 34 18.0			
EVAL E	0 03 33 55.5	E 0	03 34 38.0	0.01	0.2	113
PMJU		E 0	03 34 20.0			
MTE		E 0	03 34 59.0			
AVE I	4 03 34 07.0	E 4	03 34 57.0			
EJIF E	0 03 34 10.0	E 0	03 35 04.0			142
NKM E	4 03 34 12.0	E 4	03 35 04.0			
EHOR E	0 03 34 12.8	E 0	03 35 07.6			149
EPRU E	0 03 34 13.0	E 0	03 35 07.5			130
EPLA E	0 03 34 17.0	E 0	03 35 14.0	0.01	0.2	149
EZAM E	0 03 34 21.6	E 0	03 35 22.8			
IFR I	4 03 34 25.5	I 4	03 35 19.0			
EBAN E	0 03 34 28.9	E 0	03 35 36.0			141
TIO I	4 03 34 34.0	I 4	03 35 45.0			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
15 dic 10h 24m 14.6s 35°38'N 04°38'W 28Km rms ±0.7s mb 3.4 MAR DE ALBORAN								
MAL	E		4 10 24 06.0					40
NKM			0 10 24 27.0	I 0	10 24 37.0			
PAL	I		0 10 24 28.0	I 0	10 24 37.0			
BIT	I		0 10 24 31.0	I 0	10 24 41.0			
TOU	I		0 10 24 31.0	I 0	10 24 45.0			
PLAT	I		0 10 24 33.0					
EJIF	E		0 10 24 33.0	E 0	10 24 46.0	0.03	0.2	48
TSY	I		0 10 24 33.0	I 0	10 24 46.0			
EMAL	E		0 10 24 33.3	E 0	10 24 49.4			40
MOMI	E		0 10 24 34.0					
ALJ	E		0 10 24 36.0					
EPRU	E		0 10 24 36.6	E 0	10 24 54.4	0.02	0.3	57
EGUA	I C		0 10 24 37.5	E 0	10 24 57.0	0.03	0.2	55
GIBL	E		0 10 24 40.0					
IFR	I		4 10 24 43.0	I 4	10 25 06.0			
EHOR	E		0 10 24 47.5	E 0	10 25 13.5	0.04	0.2	46
EBAN	I C		0 10 24 53.2	E 0	10 25 23.5	0.03	0.2	88
AVE	E		4 10 24 55.0	I 4	10 25 29.0			
EVIA	I C		0 10 25 05.2	E 0	10 25 43.6			81
EPLA	E		0 10 25 19.5			0.02	0.2	115
TIO	E		4 10 25 22.0	I 4	10 26 15.0			
15 dic 11h 30m 06.8s 36°27'N 09°25'W 53Km rms ±0.5s mb 3.0 S CABO SAN VICENTE								
MOE	E		0 11 30 40.0	E 0	11 31 06.0			
Eval	E		0 11 30 44.3	E 0	11 31 10.5	0.01	0.2	70
EJIF	E		0 11 30 54.1	E 0	11 31 28.3			50
AVE	I		0 11 30 59.0	E 0	11 31 37.0			80
EHOR	E		0 11 31 00.0	E 0	11 31 39.5			70
EPLA	E		0 11 31 11.0	E 0	11 31 59.0	0.01	0.3	60
IFR	E		4 11 31 15.0	E 0	11 32 02.0			80
EBAN	E		0 11 31 16.3	E 0	11 32 07.3			80
EZAM	E		0 11 31 28.1					
TIO	I		0 11 31 29.5	E 0	11 32 30.0			80
16 dic 10h 57m 15.5s 43°27'N 00°34'W 7Km rms ±0.6s mb 2.9 S ORTHEZ.FR								
ATE			0 10 57 21.7		0 10 57 27.7			
BTH			0 10 57 22.6		0 10 57 31.0			
ELIZ	I D		0 10 57 29.0	E 0	10 57 39.4	0.05	0.3	72
EPF			0 10 57 29.7	E 0	10 57 40.3			
EGRA	E		0 10 57 40.9	E 0	10 57 58.0	0.06	0.4	64
ECRI	I C		0 10 57 44.5	E 0	10 58 04.3	0.02	0.3	61
LPO			4 10 57 48.3	E 4	10 58 12.2			
LEF			9 10 57 48.6	E 0	10 58 10.4			
RJF			4 10 57 59.8	E 4	10 58 30.2			
CAF			4 10 58 00.1	E 4	10 58 31.5			
ETOR	E		0 10 58 01.1	E 0	10 58 33.8	0.01	0.4	64
17 dic 07h 44m 15.4s 38°49'N 06°18'W 2Km rms ±0.6s mb 3.5 III ALANGE.BA								
EPLA	I C		0 07 44 38.4	E 0	07 44 55.3	0.13	0.2	110
EHOR	I C		0 07 44 38.5	E 0	07 44 55.5	0.12	0.2	110
Eval	I C		0 07 44 39.7	E 0	07 44 56.6	0.05	0.3	100
PAB			0 07 44 43.3		0 07 45 07.6			
MOE			0 07 44 45.0	E 0	07 45 04.5			
MTE			9 07 44 48.7	E 0	07 45 12.7			
EPRU	E		0 07 44 49.8	E 0	07 45 16.2	0.02	0.3	100
EBAN	E		0 07 44 50.1	E 0	07 45 16.5	0.05	0.2	120
ESLA	E		9 07 44 51.3	E 0	07 45 16.9			
GUD	E		0 07 44 55.4	E 0	07 45 26.0	0.01	0.3	110
EJIF	E		0 07 44 55.4	E 0	07 45 24.1			75
FIG				E 0	07 45 16.0			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
18 dic 16h 15m 58.9s 36°22'N 02°54'E 17Km rms ±0.6s mb 3.8 BLIDA.ARG								
EVIA	E		0 07 45 02.8	E 0	07 45 37.1	0.05	0.2	110
ERUA	E		0 07 45 11.7	E 0	07 45 53.4			90
ETOR	I C		0 07 45 14.4	E 0	07 45 58.4			130
EZAM	E		0 07 45 14.5	E 0	07 45 56.7			100
STS	E		0 07 45 22.8					
19 dic 13h 12m 04.7s 41°58'N 02°00'E 2Km rms ±0.3s mb 2.9 PRATS DE LLUGANES.B								
BRU			0 13 12 11.1					
SQD			0 13 12 11.7	E 0	13 12 17.5			
MRB			0 13 12 11.7	E 0	13 12 17.3			
FONT			0 13 12 12.0	E 0	13 12 17.0			
TRGS			0 13 12 14.6	E 0	13 12 22.3			
ALB			0 13 12 16.4		0 13 12 25.3			
PAND			0 13 12 16.5	E 0	13 12 25.4			
VDCF			0 13 12 17.3	E 0	13 12 26.8			
ETER	I C		0 13 12 17.7	E 0	13 12 27.2	0.02	0.2	37
SOR			0 13 12 18.9		0 13 12 29.3			
PERF			0 13 12 19.9		0 13 12 31.1			
AVN			0 13 12 21.2		0 13 12 34.0			
GRBF			0 13 12 21.7		0 13 12 34.5			
SALF			0 13 12 22.3		0 13 12 35.5			
PON			0 13 12 23.1		0 13 12 37.1			
MTHF			0 13 12 23.8					
VH			0 13 12 24.5		0 13 12 41.0			
EGRA	I D		0 13 12 28.2	E 0	13 12 45.0	0.02	0.3	48
EPF			0 13 12 33.3	E 0	13 12 54.5			
EROQ	E		0 13 12 33.6	E 0	13 12 55.0	0.02	0.2	46
LPO			4 13 12 54.3	E 4	13 13 30.9			
LEF			4 13 12 59.5	E 4	13 13 40.9			
CAF				E 4	13 13 36.2			
RJF				E 4	13 13 48.2			
20 dic 04h 31m 02.5s 41°14'N 07°30'W 16Km rms ±0.5s mb 2.9 SIERRA DE REBORDO.POR								
PTO			0 04 31 16.8	E 0	04 31 29.4			
MTE			0 04 31 17.0	E 0	04 31 28.8			
ERUA	I C		0 04 31 23.3	E 0	04 31 38.5	0.02	0.2	45
EZAM	I C		0 04 31 24.7	E 0	04 31 41.1			42
EPLA	E		0 04 31 29.0	E 0	04 31 47.6			65
STS	E		0 04 31 32.7	E 0	04 31 53.8	0.01	0.2	53

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I.G.N.

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
24 dic 00h 13m 16.5s 37°31'N 03°54'W 17Km rms ±0.5s mb 2.3 S CASTILLO LOCUBIN.J								
ECOG	I	C	0	00	13	23.9	E 0	00 13 29.0 0.01 0.2 29
ELOJ	I	D	0	00	13	24.3	E 0	00 13 29.5 0.02 0.3 23
EBAN	I	D	0	00	13	28.1	E 0	00 13 37.8 0.01 0.2 42
EGUA	I	C	0	00	13	29.8	E 0	00 13 39.9 25
EHOR	E		0	00	13	36.5	E 0	00 13 51.2 20
24 dic 01h 00m 08.9s 36°48'N 03°00'W 3Km rms ±0.3s mb 2.8 N ADRA.AL								
EGUA	I		0	01	00	16.8	E 0	01 00 24.0 0.02 0.1 25
ENIJ	I		0	01	00	20.4	E 0	01 00 30.0 0.01 0.1 17
ECOG	E		0	01	00	21.0	E 0	01 00 29.8 20
EBAN	E		0	01	00	36.0	E 0	01 00 55.7 20
24 dic 12h 42m 06.7s 36°42'N 03°00'W 3Km rms ±0.8s mb 3.6 III-IV S ADRA								
EGUA	I	C	0	12	42	16.3	E 0	12 42 22.4 0.24 0.2 110
ENIJ	I	C	0	12	42	19.3	E 0	12 42 28.8 0.19 0.2 67
ECOG	I	C	0	12	42	19.7	E 0	12 42 28.0 0.21 0.2 65
EHUE	I	C	0	12	42	26.9	E 0	12 42 43.2 0.04 0.3 65
ELOJ	I	D	0	12	42	26.0	E 0	12 42 40.1 0.17 0.2 85
EMAL	I	D	0	12	42	27.8	E 0	12 42 42.8
MAL	E		0	12	42	26.5	E 0	12 42 41.7
EBAN	I	C	0	12	42	35.0	E 0	12 42 56.1 0.04 0.2 85
EVIA	I	C	0	12	42	41.1	E 0	12 43 04.2 0.06 0.3 70
EHOR	E		9	12	42	46.3	E 0	12 43 13.9 0.05 0.3 60
25 dic 20h 28m 20.5s 36°46'N 02°59'W 9Km rms ±0.4s mb 3.0 ADRA.AL								
EGUA	I	C	0	20	28	29.2	E 0	20 28 36.0 0.02 0.2 36
ECOG	I	C	0	20	28	32.4	E 0	20 28 42.1 0.11 0.1 34
ENIJ	I	C	0	20	28	32.8	E 0	20 28 41.4 0.02 0.2 32
EBAN	E		0	20	28	47.8	E 0	20 29 06.8 53
26 dic 08h 58m 22.0s 36°36'N 06°58'W 14Km rms ±0.4s mb 2.8 GOLFO DE CADIZ								
EVAL	E		0	08	58	39.7	E 0	08 58 53.6 0.02 0.2 45
EJIF	E		2	08	58	43.2		
EHOR	E		0	08	58	52.6		40
EBAN	I	C	0	08	59	07.8	E 0	08 59 42.2 60
EPLA	I	D	0	08	59	15.8	E 0	08 59 55.0 65
EVIA	I		0	08	59	22.0		
26 dic 18h 02m 02.5s 36°48'N 07°09'W 18Km rms ±0.5s mb 2.7 GOLFO DE CADIZ								
EVAL	E		0	18	02	17.5	E 0	18 02 29.5 0.02 0.2 50
EJIF	E		0	18	02	26.5	E 0	18 02 42.0 35
EPRU	E		0	18	02	28.0	E 0	18 02 47.8 35
EHOR	E		0	18	02	32.0	E 0	18 02 53.0 50
EBAN	E		0	18	02	48.0	E 0	18 03 22.5 75
EPLA	E		0	18	02	52.7	E 0	18 03 31.7 75
27 dic 16h 30m 37.2s 36°30'N 07°44'W 52Km rms ±0.6s mb 3.1 GOLFO DE CADIZ								
FIG			0	16	30	50.0	E 0	16 30 58.0
EVAL	E		0	16	30	59.0	E 0	16 31 15.0 0.03 0.2 62
EJIF	E		0	16	31	06.0	E 0	16 31 26.0 45

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
27 dic 17h 26m 04.1s 37°28'N 02°06'W 3Km rms ±0.5s mb 2.7 N ALBOX.AL								
MOE			0	16	31	09.0	E 0	16 31 31.5
EPRU	E		0	16	31	09.8	E 0	16 31 32.8 42
EHOR	E		0	16	31	13.1	E 0	16 31 40.0 90
EBAN	I	D	0	16	31	29.5		100
IFR	I		0	16	31	30.5	E 4	16 32 08.0
EPLA	E		0	16	31	33.7	E 0	16 32 13.8 0.01 0.2 94
EVIA	I		0	16	31	44.0	E 0	16 32 34.0 57
TIO	I		0	16	31	57.5	E 0	16 32 55.0
27 dic 20h 01m 58.5s 36°47'N 03°01'W 9Km rms ±0.6s mb 3.0 III N ADRA.AL								
EHUE	E		0	17	26	13.0	E 0	17 26 20.5 0.01 0.2 46
ENIJ	I	D	0	17	26	13.3	E 0	17 26 19.4 0.03 0.2 25
EVIA	I	D	0	17	26	25.9	E 0	17 26 43.0 0.03 0.3 41
EBAN	E		0	17	26	31.8	E 0	17 26 51.7 0.01 0.2 48
27 dic 20h 02m 43.2s 36°46'N 03°02'W 9Km rms ±0.8s mb 2.8 ADRA.AL								
EGUA	I	D	0	20	02	06.1	E 0	20 02 13.9 0.08 0.2 45
ELOJ							E 0	20 02 29.7 0.07 0.3
ECOG	I	C	0	20	02	09.8	E 0	20 02 18.8 0.16 0.2 55
ENIJ	I	C	0	20	02	10.1	E 0	20 02 20.0 0.06 0.2 40
EHUE	E		0	20	02	18.1	E 0	20 02 33.2
EBAN	E		0	20	02	24.6	E 0	20 02 43.2 0.02 0.3
EVIA	E		0	20	02	30.4	E 0	20 02 53.0 0.01 0.3
EHOR	E		0	20	02	32.7		51
28 dic 05h 05m 49.8s 42°40'N 01°42'E 11Km rms ±0.4s mb 2.4 SE STE.GIRONS.FR								
PAND	I	C	0	05	05	53.6		0 05 05 57.1
GRBF	I	C	0	05	05	54.3		0 05 05 57.2
TRGS	I	C	0	05	05	54.7		0 05 05 58.7
LSPF	I	C	0	05	05	55.9		0 05 06 00.9
VDCF	I	C	0	05	05	58.4		0 05 06 05.1
MLS								0 05 06 06.7
SOR								0 05 06 07.5
MTHF	I	D	0	05	06	01.8		
ETER	E		0	05	06	07.0	E 0	05 06 19.2 0.3 33
EPF								0 05 06 22.2
EGRA	E		0	05	06	10.0	E 0	05 06 25.5 0.01 0.4 39
LPO								9 05 06 27.1 0 05 06 53.5
CAF								9 05 06 32.1 0 05 06 59.8
29 dic 00h 06m 12.9s 36°45'N 03°02'W rms ±0.1s mb 2.4 ADRA.AL								
EGUA	I	C	0	00	06	22.0	E 0	00 06 29.6 0.01 0.2 43
ECOG	I	C	0	00	06	25.2	E 0	00 06 34.6 0.01 0.2 35
ENIJ	I	C	0	00	06	25.3	E 0	00 06 35.0 0.02 0.3 32
29 dic 04h 11m 01.9s 37°29'N 04°01'W 14Km rms ±0.5s mb 2.6 S CASTILLO LOCUBIN.J								
ELOJ	E		0	04	11	07.8	E 0	04 11 14.4 0.03 0.2 28

EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR	
ECOG	E	0	04	11	09.8	E	04	11	16.0	0.03	0.2	30
EGUA	E	0	04	11	14.7	E	04	11	26.0			21
EHOR	E	0	04	11	19.7	E	04	11	34.6			
EHUE	E	0	04	11	23.0	E	04	11	37.3			23
EVIA	E	0	04	11	29.9	E	04	11	50.1			31

29 dic 04h 42m 05.7s 36°54'N 03°00'W 18Km
rms ±0.3s mb 3.1 N ADRA.AL

EGUA	I	C	0	04	42	14.2	E	04	42	21.4	0.06	0.2	35
ENIJ	I	C	0	04	42	16.5	E	04	42	26.3	0.12	0.2	40
ECOG	I	C	0	04	42	17.3	E	04	42	24.9	0.08	0.3	43
ELOJ							E	04	42	35.9	0.08	0.5	66
EHUE	E	9	04	42	26.0	E	04	42	39.0				
EVIA	E	0	04	42	34.5	E	04	42	56.0	0.01	0.4	51	
EPRU	E	0	04	42	35.0	E	04	42	56.0			54	

29 dic 23h 51m 21.9s 36°52'N 03°03'W 4Km
rms ±0.4s mb 2.4 N ADRA.AL

EGUA	I	D	0	23	51	29.5	E	23	51	34.9	0.03	0.4	34
ENIJ	E	0	23	51	33.8	E	23	51	44.0	0.02	0.3	33	
ECOG	E	0	23	51	33.0	E	23	51	39.6	0.01	0.3	39	
EVIA	E	0	23	51	53.5	E	23	52	16.2	0.01	0.4	56	

30 dic 12h 35m 15.8s 38°10'N 03°30'W 5Km
rms ±0.5s mb 2.7 S VILCHES.J

EBAN	I	C	0	12	35	19.3	E	12	35	23.1	0.05	0.2	61
EHUE	I	D	0	12	35	29.0	E	12	35	42.0	0.01	0.2	50
ELUQ	E	0	12	35	32.3	E	12	35	44.0	0.01	0.2	28	
EVIA	E	0	12	35	32.5	E	12	35	45.1	0.02	0.2	51	
ECOG	E	0	12	35	32.5	E	12	35	44.0			17	
ELOJ	E	0	12	35	36.2	E	12	35	52.3			55	
EHOR	E	0	12	35	40.1	E	12	35	59.5	0.01	0.2	13	
ENIJ	E	0	12	35	43.6	E	12	36	03.0			46	
GUD	E	0	12	35	56.0	E	12	36	26.5			45	

31 dic 16h 30m 17.5s 37°12'N 02°01'W
rms ±0.2s mb 2.5 LOS GALLARDOS.AL

ENIJ	E	0	16	30	24.0	E	16	30	28.5	0.04	0.3	34
EGUA	E	0	16	30	39.0	E	16	30	55.4	0.01	0.3	30
EVIA	E	0	16	30	41.5	E	16	31	00.0			33
EBAN	E	0	16	30	44.5	E	16	31	05.0			35
ELOJ	E	0	16	30	45.0	E	16	31	05.0			35
ELUQ	E	0	16	30	46.0	E	16	31	08.0			35

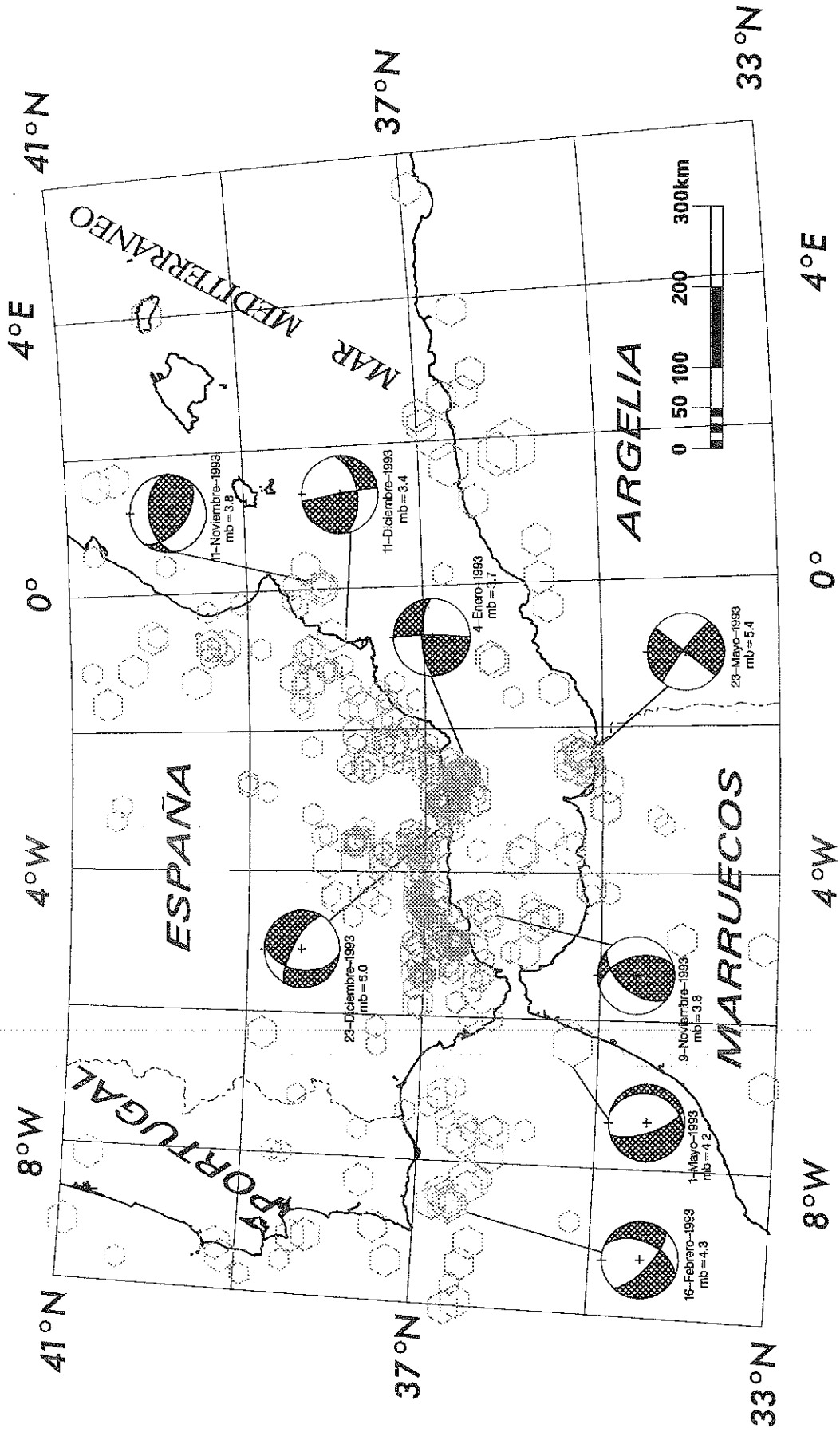
31 dic 22h 14m 45.3s 44°08'N 07°07'W 9Km
rms ±0.5s mb 3.4 NE ESTACA DE BARES

EMON	I	C	0	22	14	58.6	E	22	15	07.3	0.32	0.2	124
STS	I	D	0	22	15	13.0	E	22	15	33.9	0.22	0.3	82
ERUA	E	0	22	15	14.0	E	22	15	35.3	0.08	0.2	100	
EZAM	E	0	22	15	22.4	E	22	15	48.5	0.05	0.2	103	
ECRI	E	0	22	15	42.6	E	22	16	23.2	0.01	0.2	150	
GUD	I	C	0	22	15	47.2	E	22	16	33.7	0.02	0.4	154
ELIZ	I	D	0	22	15	47.3	E	22	16	34.5	0.04	1.0	93
EPLA	I	D	0	22	15	47.5	E	22	16	34.5	0.03	0.4	137
EVIA							E	22	17	30.0			137
EHOR							E	22	17	29.5			147
EBAN							E	22	17	30.5			150
TCF	0		22	16	24.8	4	22	17	35.9				
MAF	0		22	16	28.4	4	22	17	40.7				
BGF	0		22	16	32.1	4	22	17	47.6				
AVF	0		22	16	36.6	4	22	17	57.1				

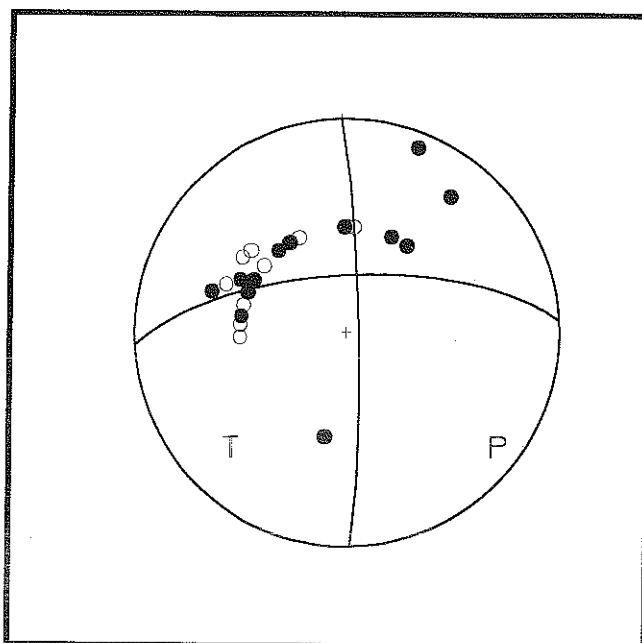
EST I/E W HORA P I/E W HORA S AMP PER DUR

MECANISMOS FOCALES

MECANISMOS FOCALES



4-ENERO-1.993 GOLFO DE ALMERIA



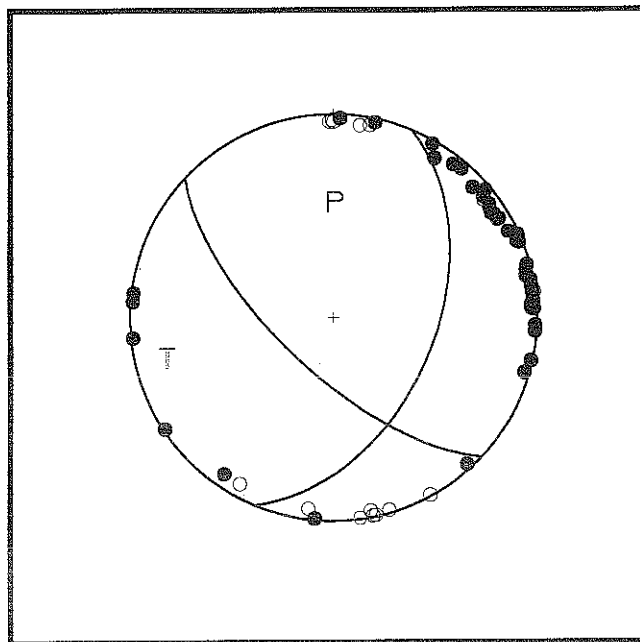
HO= 09h 19m 26s Lat= 36°34.5'N Lon= 2°35.7'W h= 4 km mb= 3,7

	ACIMUT	BUZAMIENTO	DESLIZAMIENTO
PLANO A	$0^{\circ} \pm 10^{\circ}$	$85^{\circ} \pm 15^{\circ}$	$22^{\circ} \pm 40^{\circ}$
PLANO B	268°	68°	175°
EJE T	226°	19°	
EJE P	132°	12°	

Número de observaciones= 24

Índice de acierto= 0.71

16-FEBRERO-1.993 SURESTE CABO SAN VICENTE



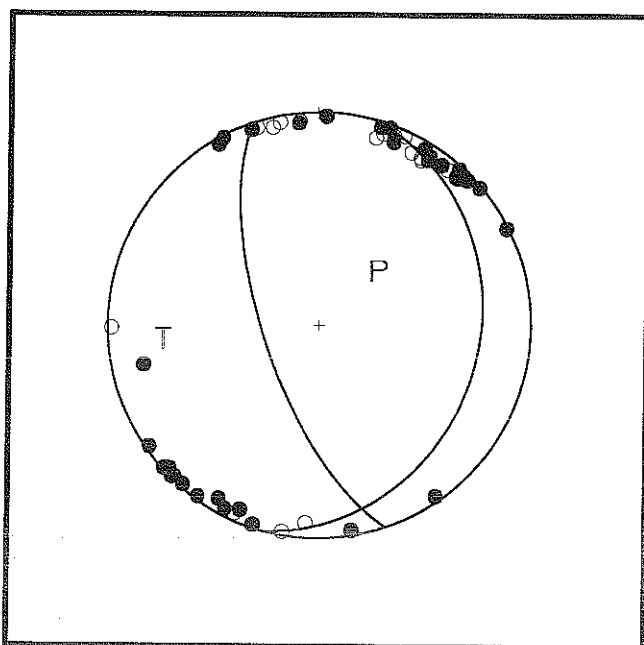
HO= 03h 11m 14s Lat= 36°37.3'N Lon= 8°33.7'W h= 40 km mb= 4.3

	ACIMUT	BUZAMIENTO	DESLIZAMIENTO
PLANO A	23°±9°	49°±24°	-30°±5°
PLANO B	133°±13°	68°±29°	-135 °±3°
EJE T	254°	12°	
EJE P	357°	47°	

Número de observaciones= 62

Índice de acierto= 0.85

1-MAYO-1.993 OESTE DE LARACHE



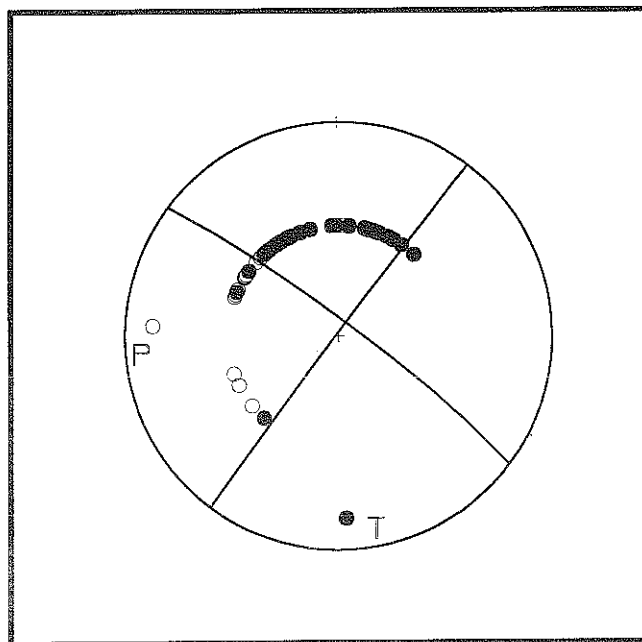
HO= 00h 22m 23s Lat= 35°17.4'N Lon= 6°19.9'W h= 30 km mb= 4.2

	ACIMUT	BUZAMIENTO	DESLIZAMIENTO
PLANO A	15°±10°	25°±20°	-60°±30°
PLANO B	162°	69°	-103°
EJE T	262°	23°	
EJE P	50°	64°	

Número de observaciones= 50

Índice de acierto= 0.78

23-MAYO-1.993 ISLAS CHAFARINAS



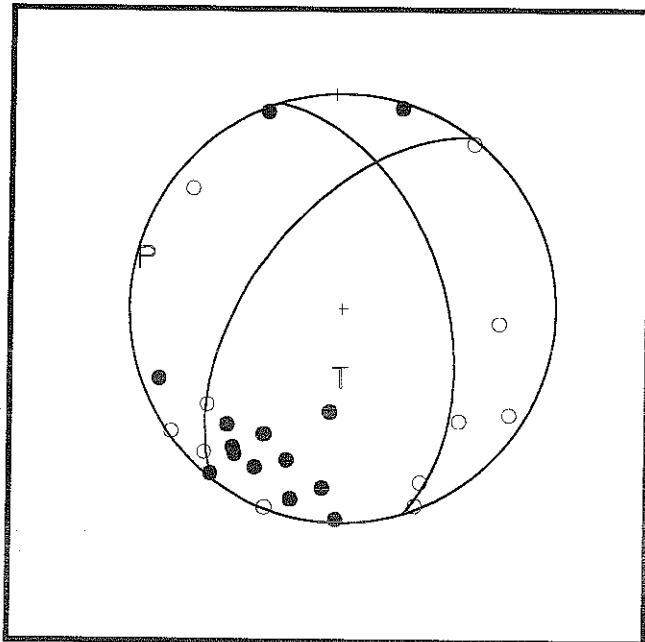
HO= 07h 40m 56s Lat= 35°16.4'N Lon= 2°25.5'W h= 6 km mb= 5.4

	ACIMUT	BUZAMIENTO	DESLIZAMIENTO
PLANO A	308°±7°	84°±7°	179°±10°
PLANO B	218°±7°	89°±9°	6°±7°
EJE T	173°	5°	
EJE P	263°	4°	

Número de observaciones= 59

Índice de acierto= 0.76

9-NOVIEMBRE-1.993 SUR FUENGIROLA



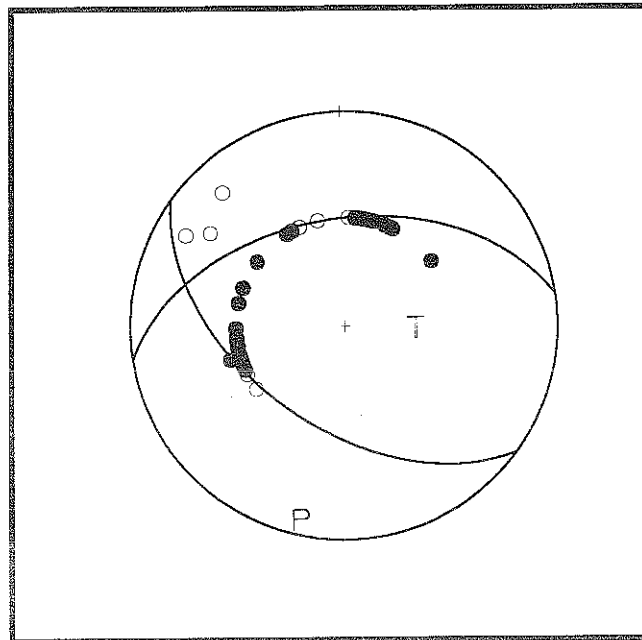
HO= 00h 22m 33s Lat= 36°21.1'N Lon= 4°28.7'W h= 59 km mb= 3.8

	ACIMUT	BUZAMIENTO	DESLIZAMIENTO
PLANO A	345°±10°	50°±15°	49°±10°
PLANO B	219°	55°	128°
EJE T	188°	59°	
EJE P	283°	3°	

Número de observaciones= 25

Índice de acierto= 0.78

11-NOVIEMBRE-1.993 ESTE ALICANTE



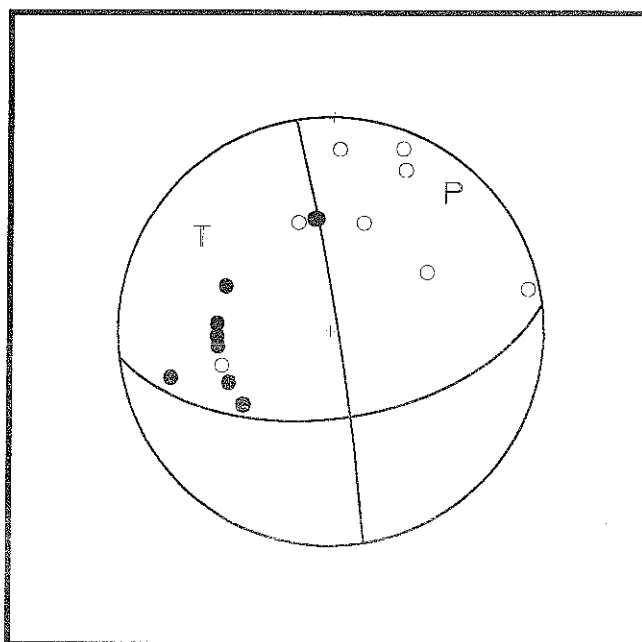
HO= 07h 33m 24s Lat= 38°08.8'N Lon= 0°00.1'W h= 4 km mb= 3.8

	ACIMUT	BUZAMIENTO	DESLIZAMIENTO
PLANO A	262°±6°	48°±1°	123°±3°
PLANO B	127°±4°	51°±1°	58°±2°
EJE T	102°	66°	
EJE P	195°	2°	

Número de observaciones= 41

Índice de acierto= 0.78

11-DICIEMBRE-1.993 TORREVIEJA (ALICANTE)



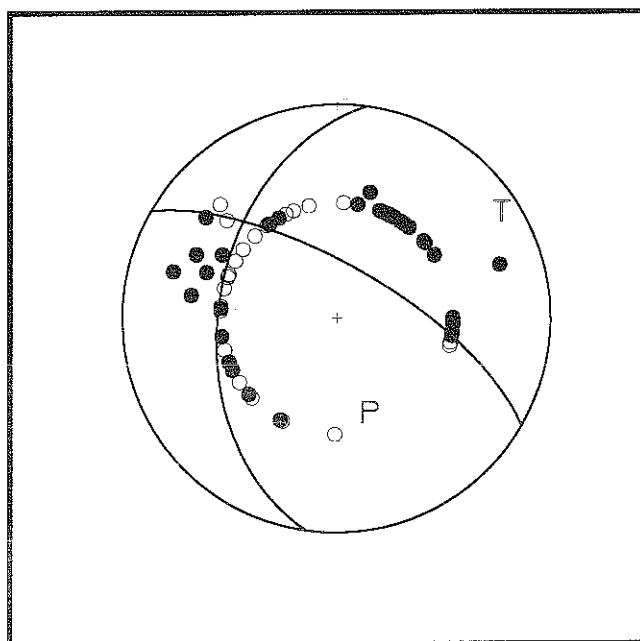
HO= 02h 51m 09s Lat= 38°02.5'N Lon= 0°39.5'W h= 7 km mb= 3.4

	ACIMUT	BUZAMIENTO	DESLIZAMIENTO
PLANO A	82°±9°	53°±14°	176°±31°
PLANO B	350°±21°	87°±25°	37°±14°
EJE T	300°±14°	23°±23°	
EJE P	42° ±19°	28°±25°	

Número de observaciones= 17

Índice de acierto= 0.88

23-DICIEMBRE-1.993 ADRA (ALMERIA)



HO= 14h 22m 35s Lat= 36°46.8'N Lon= 2°56.2'W h= 8 km mb= 5.0

	ACIMUT	BUZAMIENTO	DESLIZAMIENTO
PLANO A	300°±10°	70°±10°	-130°±5°
PLANO B	188°	44°	-29°
EJE T	58°	15°	
EJE P	166°	49°	

Número de observaciones= 65

Índice de acierto= 0.78

Referencia: Rueda, J., J. Mezcuca y M. Sánchez Ramos (1996). La serie sísmica de Adra (Almería) de 1993-1994 y sus principales consecuencias sismotectónicas. *Avances en Geofísica y Geodesia vol 1, 91-98.*

LEYENDA

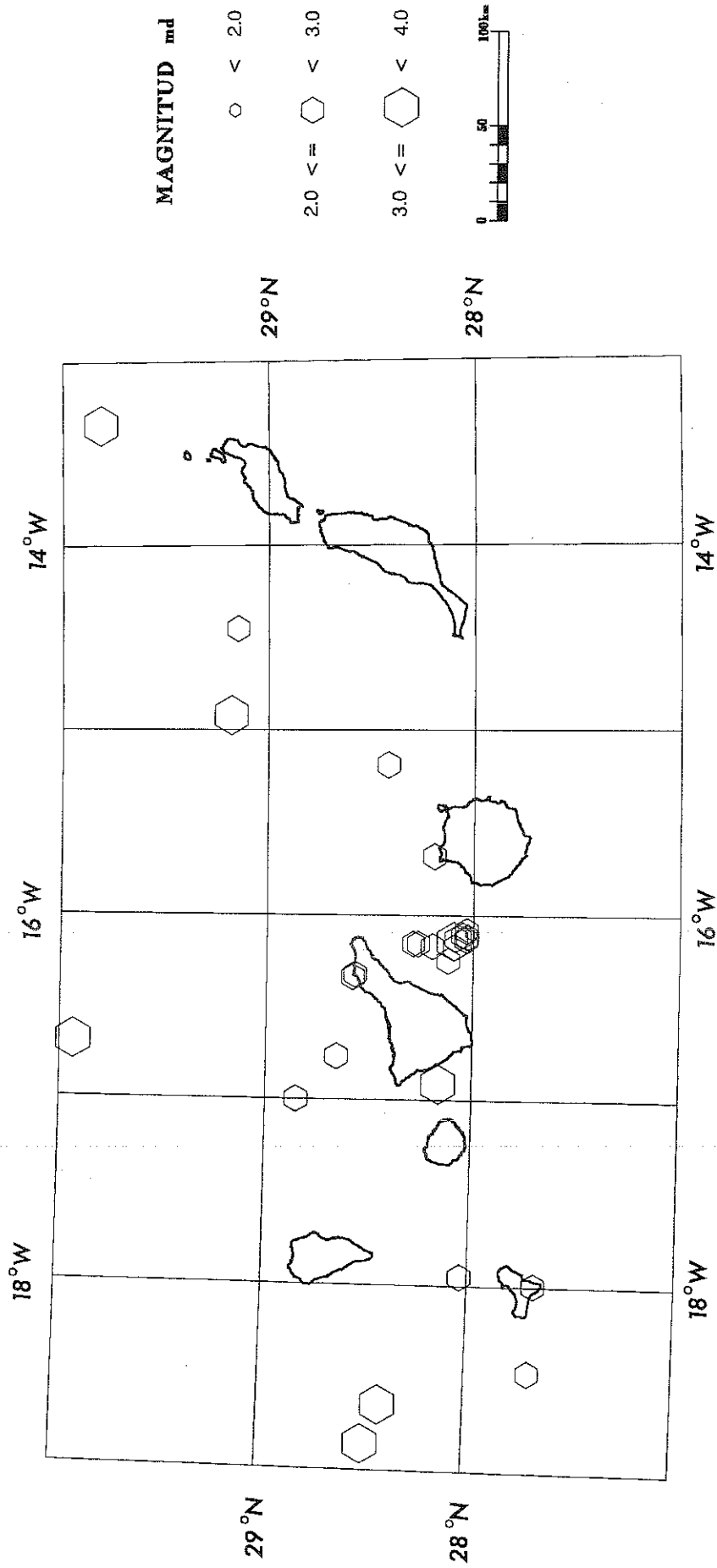
FECHA	Año - mes - día
HORA	Hora origen (GMT)
LONGITUD	Longitud en grados, minutos y décimas
LATITUD	Latitud en grados, minutos y décimas
PRO	Profundidad en kilómetros
RMS	Error cuadrático medio, en segundos
EH	Error epicentral en kilómetros
EZ	Error en profundidad en kilómetros
NO	Número de observaciones utilizadas en el cálculo
md	Magnitud mb a partir de la fase Lg
INT	Intensidad máxima, escala M.S.K.
+	Dispone de mapa de isosistas
P	Sismo premonitorio
R	Réplica
S	Sismo submarino, sentido en tierra
T	Sismo que ha ocasionado tsunami
M	Dispone de mecanismo focal calculado
I	Existe información macrosísmica en el apartado de intensidades

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	md	INT	LOCALIZACIÓN
1993-01-16	04:49:49:7	17°57.0'W	28°02.0'N	24	±0.1	±2	±9	6	2.4		NW.ISLAS CANARIAS
1993-02-22	05:55:36:1	18°38.8'W	28°24.5'N	35	±0.1	±1	±7	7	3.4		W. ISLAS CANARIAS
1993-04-09	12:07:54:8	15°11.4'W	28°24.9'N	3	±0.1	±8	±2	5	2.6		ISLAS CANARIAS
1993-04-09	16:04:32:6	16°54.9'W	28°09.5'N	3	±0.2	±2	±1	9	3.1	II	ISLAS CANARIAS
1993-04-10	13:29:55:9	16°08.4'W	28°05.6'N	33	±0.1	±2	±2	8	3.4		ISLAS CANARIAS
1993-04-13	03:59:39:5	16°07.5'W	28°05.0'N	5	±0.2	±4	±6	6	2.5		ISLAS CANARIAS
1993-05-30	07:00:22:6	16°41.4'W	29°56.1'N	19	±0.2	±2	±0	8	3.3		N. ISLAS-CANARIAS
1993-06-13	08:10:53:9	14°27.2'W	29°09.0'N	5	±0.1	±5	±3	5	2.8		NE ISLAS CANARIAS
1993-06-15	05:48:13:7	16°09.3'W	28°15.9'N	14	±0.1	±3	±3	6	2.3		ISLAS CANARIAS
1993-07-08	09:19:21:0	14°21.6'W	26°56.0'N	40	±0.1	±4	±13	8	3.4		SE ISLAS CANARIAS
1993-07-18	09:16:17:7	18°27.9'W	27°41.6'N	15	±0.1	±1	±1	9	2.8		SW ISLAS CANARIAS
1993-07-23	09:05:40:2	16°10.3'W	28°05.4'N	12	±0.2	±0	±16	5	2.3		ISLAS CANARIAS
1993-08-02	07:08:59:1	17°00.0'W	28°50.6'N	25	±0.3	±4	±27	8	2.7		N. ISLAS CANARIAS
1993-08-24	22:51:53:9	16°09.3'W	28°17.3'N	17	±0.2	±2	±5	10	2.8		ISLAS CANARIAS
1993-08-30	13:06:56:4	17°59.7'W	27°40.6'N	28	±0.1	±2	±1	5	2.4		SW.ISLAS CANARIAS
1993-08-31	01:21:02:6	16°19.3'W	28°34.1'N	01	±0.1	±3	±2	5	2.2	II	ISLAS CANARIAS
1993-09-07	01:34:17:1	15°40.8'W	28°11.4'N	22	±0.2	±8	±5	5	2.3		ISLAS-CANARIAS
1993-09-10	01:37:49:9	13°20.6'W	29°49.0'N		±0.1			6	3.3		NE. ISLAS-CANARIAS
1993-09-11	15:39:52:6	16°20.2'W	28°34.7'N	6	±0.1	±1	±2	7	2.8	III-IV	ISLAS-CANARIAS
1993-09-29	01:24:00:1	14°55.4'W	29°11.0'N	10	±0.2	±4	±4	7	3.4		NE. ISLAS-CANARIAS
1993-10-03	04:47:50:8	16°14.8'W	28°07.2'N	35	±0.2	±4	±4	6	2.7		ISLAS CANARIAS
1993-10-20	14:57:39:2	16°06.9'W	28°01.7'N	21	±0.1	±1	±3	10	2.6		ISLAS CANARIAS
1993-10-28	17:33:03:1	16°10.0'W	28°11.8'N	30	±0.3	±8	±9	6	2.0		ISLAS CANARIAS
1993-11-10	17:10:58:5	16°46.1'W	28°39.1'N	32	±0.4	±4	±12	7	2.3		ISLAS CANARIAS
1993-12-16	04:24:18:3	18°51.6'W	28°29.1'N	20	±0.2	±5		5	3.0		ISLAS-CANARIAS
1993-12-23	09:26:08:8	16°05.0'W	28°02.0'N	29	±0.1	±4	±3	5	2.2		ISLAS-CANARIAS
1993-12-23	12:38:17:7	16°07.9'W	28°02.1'N	25	±0.1	±5	±7	5	2.0		ISLAS-CANARIAS
1993-12-23	18:46:21:4	16°05.8'W	28°00.6'N	25	±0.2	±7	±9	5	1.8		ISLAS-CANARIAS
1993-12-31	23:14:10:0	16°06.5'W	28°03.1'N	9	±0.2	±2	±3	9	2.2		ISLAS-CANARIAS

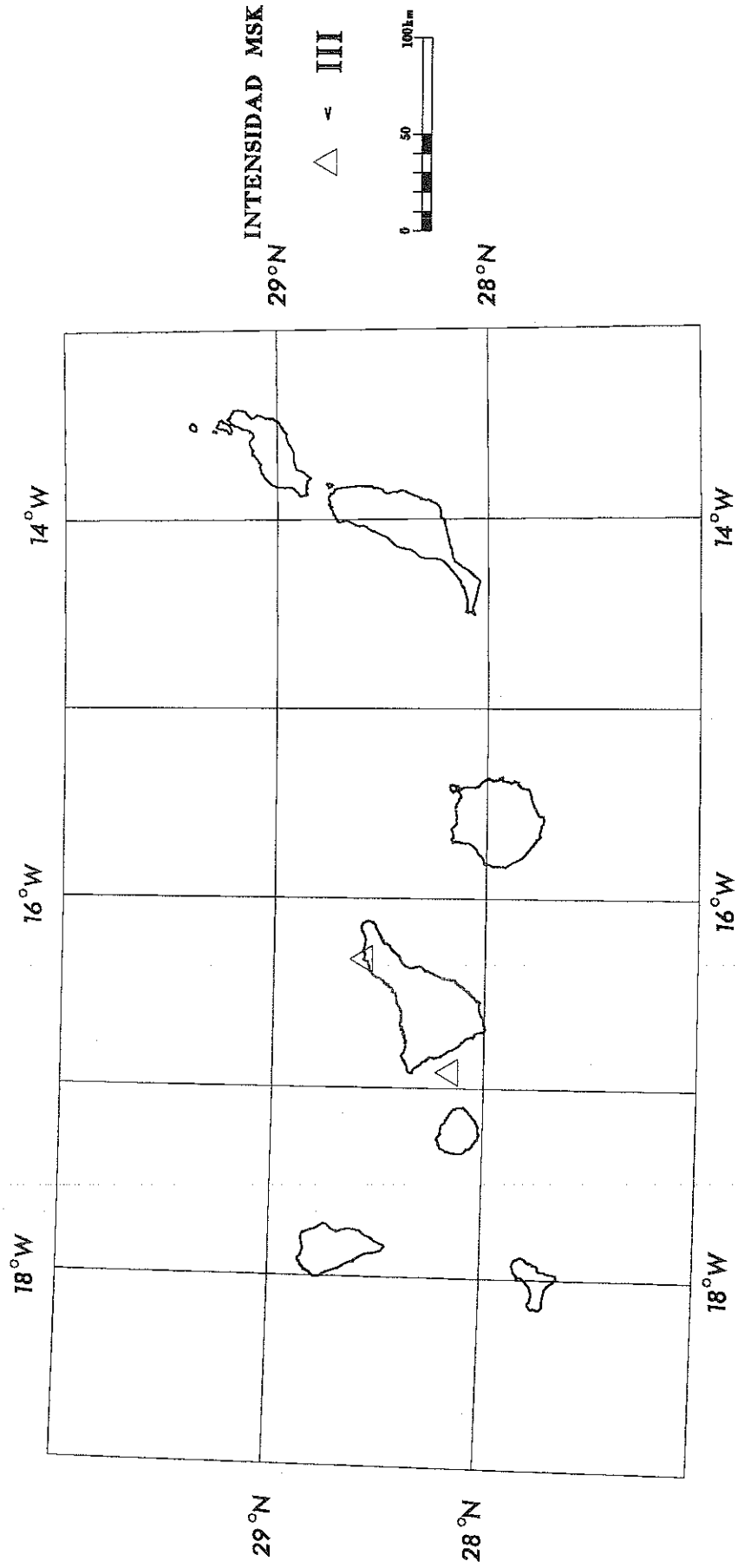
SISMICIDAD DE LAS ISLAS CANARIAS AÑO 1.993

- Resumen de sismos localizados
- Mapa de sismicidad por magnitudes
- Mapa de sismicidad por intensidades
- Datos del cálculo hipocentral

**ISLAS CANARIAS
SISMICIDAD POR MAGNITUD**



ISLAS CANARIAS
SISMICIDAD POR INTENSIDAD



LEYENDA

EST	Código de la estación.
I/E	Fase impulsiva (I) o emergente (E).
W	Peso de la lectura en el cálculo "4" Peso nulo. "9" Calculado con S-P.
HORA P	Hora de llegada de la primera fase. Horas minutos y segundos.
HORA S	Hora de llegada de la fase "S" correspondiente.
AMP	Amplitud del movimiento del suelo en micras.
PER	Período en segundos.
DUR	Duración del registro del sismo en segundos.

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR	
16 ene 04h 49m 49.7s 28°02'N 17°57'W 24Km rms ±0.1s md 2.4 NW. ISLAS CANARIAS												
CHIE	I	C	0	04	49	53.1	I	0	04	49	57.6	40
TBT	E	0	04	49	57.4	I	0	04	50	05.9		30
GGC							I	0	04	50	39.8	
CFTV							E	0	04	51	13.2	
22 feb 05h 55m 36.1s 28°24'N 18°39'W 35Km rms ±0.1s md 3.4 W. ISLAS CANARIAS												
TBT	I	C	0	05	55	48.0	I	0	05	55	57.0	90
CHIE	I	D	0	05	55	50.8	I	0	05	56	02.0	88
GGC	I	9	05	56	16.8	I	0	05	56	46.0		65
CFTV	E	C	9	05	56	35.0	I	0	05	57	18.2	40
GUI	E	D	9	05	55	44.0	I	0	05	56	06.0	55
09 abr 12h 07m 54.8s 28°25'N 15°11'W 3Km rms ±0.1s md 2.6 ISLAS CANARIAS												
CTFE							E	0	12	08	26.9	
GGC	I	C	0	12	08	03.5	I	0	12	08	09.8	45
CFTV	E	2	12	08	13.0	E	0	12	08	26.8		43
09 abr 16h 04m 32.6s 28°10'N 16°55'W 3Km rms ±0.2s md 3.1 II ISLAS CANARIAS												
CTFE	E	9	16	04	45.8	I	0	16	04	54.8		60
CHIE	E	0	16	04	49.8	I	0	16	05	02.8		47
TBT	E	0	16	04	50.1	I	0	16	05	02.7		
GGC	I	C	0	16	04	50.9	I	0	16	05	05.5	48
CFTV	E	2	16	05	11.0	I	0	16	05	39.3		30
10 abr 13h 29m 55.9s 28°06'N 16°08'W 33Km rms ±0.1s md 3.4 ISLAS CANARIAS												
TBT							I	0	13	30	40.3	50
GGC	I	C	0	13	30	04.5	I	0	13	30	11.0	75
CTFE	I	C	9	13	30	05.7	I	0	13	30	11.4	70
CHIE	E	0	13	30	20.7	I	0	13	30	39.5		40
CFTV	I	D	0	13	30	23.5	I	0	13	30	44.0	45
13 abr 03h 59m 39.5s 28°05'N 16°08'W 5Km rms ±0.2s md 2.5 ISLAS CANARIAS												
CTFE	E	0	03	59	47.8	I	0	03	59	53.4		45
GGC	E	0	03	59	48.0	I	0	03	59	54.0		35
TBT	E	0	04	00	05.4	I	0	04	00	25.7		15
CFTV	E	0	04	00	09.4	I	0	04	00	30.5		12
30 may 07h 00m 22.6s 29°56'N 16°41'W 19Km rms ±0.2s md 3.3 N. ISLAS-CANARIAS												
CTFE	E	9	07	00	43.0	I	0	07	00	59.6		58
GGC	I	0	07	00	53.0	I	0	07	01	15.5		53
CFTV	I	0	07	01	02.5	I	0	07	01	32.0		30
TBT	I	D	0	07	00	46.5	I	0	07	01	06.0	45
CHIE							I	0	07	01	25.8	58
13 jun 08h 10m 53.9s 29°09'N 14°27'W 5Km rms ±0.1s md 2.8 NE ISLAS CANARIAS												
CFTV	I	D	0	08	11	08.5	I	0	08	11	19.2	
GGC	E	0	08	11	17.5	I	0	08	11	35.5		
TBT	E	0	08	11	40.0							
15 jun 05h 48m 13.7s 28°16'N 16°09'W 14Km rms ±0.1s md 2.3 ISLAS CANARIAS												
CAN	I	D	0	05	48	21.0	I	0	05	48	26.9	
GGC	E	0	05	48	22.2	I	0	05	48	28.8		
CTFE	E	D	0	05	48	24.9	I	0	05	48	28.5	

EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR		
CFTV E 0 05 49 02.0													
08 jul 09h 19m 21.0s 26°56'N 14°22'W 40Km rms ±0.1s md 3.4 SE ISLAS CANARIAS													
GGC	I	D	0	09	19	46.2	I	0	09	20	04.8		
CCAN	I	D	0	09	19	56.0	E	0	09	20	22.5		
CHIE	E	D	0	09	20	09.0	I	0	09	20	45.0		
TBT	E	D	0	09	20	13.0	I	0	09	20	52.2		
18 jul 09h 16m 17.7s 27°42'N 18°28'W 15Km rms ±0.1s md 2.8 SW ISLAS CANARIAS													
CHIE	I	C	0	09	16	26.0	I	0	09	16	32.0		
TBT	E	0	09	16	34.9	I	0	09	16	48.0			
CCAN	E	0	09	16	42.5	E	0	09	17	02.0			
GGC	E	0	09	16	55.1	E	0	09	17	23.0			
CFTV	E	0	09	17	14.4	E	0	09	17	57.0			
23 jul 09h 05m 40.2s 28°05'N 16°10'W 12Km rms ±0.2s md 2.3 ISLAS CANARIAS													
CCAN	I	D	0	09	05	48.1	I	0	09	05	52.8		
GGC	I	C	0	09	05	48.6	I	0	09	05	55.2		
CFTV							I	0	09	06	29.5		
02 ago 07h 08m 59.1s 28°51'N 17°00'W 25Km rms ±0.3s md 2.7 N. ISLAS CANARIAS													
TBT							E	0	07	09	21.2		
CCAN	I	0	07	09	11.3	E	0	07	09	20.0			
GGC	I	0	07	09	20.5	E	0	07	09	36.0			
CHIE							E	0	07	09	36.0		
CFTV							E	0	07	10	04.9		
24 ago 22h 51m 53.9s 28°17'N 16°09'W 17Km rms ±0.2s md 2.8 ISLAS CANARIAS													
CTFE	I	D	9	22	52	00.7	I	0	22	52	04.0		
CCAN	I	C	0	22	52	01.5	I	0	22	52	07.1		
GGC	I	C	0	22	52	02.5	I	0	22	52	08.6		
CHIE							E	0	22	52	38.3		
TBT	I	0	22	52	18.3	E	0	22	52	35.8			
CFTV	I	0	22	52	21.5	I	0	22	52	41.7			
30 ago 13h 06m 56.4s 27°41'N 18°00'W 28Km rms ±0.1s md 2.4 SW. ISLAS CANARIAS													
CHIE	I	D	0	13	07	00.9	I	0	13	07	04.0		
TBT	E	0	13	07	12.2	I	0	13	07	24.2			
CCAN							I	0	13	07	32.5		
31 ago 01h 21m 02.6s 28°34'N 16°19'W 01Km rms ±0.1s md 2.2 II ISLAS CANARIAS													
CTFE	I	0	01	21	05.2	I	0	01	21	07.5			
CCAN	I	0	01	21	11.6	I	0	01	21	17.8			
GGC	I	0	01	21	16.5								
07 sep 01h 34m 17.1s 28°11'N 15°41'W 022Km rms ±0.2s md 2.3 ISLAS-CANARIAS													
GGC	I	D	0	01	34	21.0						20	
CCAN	I	C	0	01	34	30.6	I	0	01	34	40.0		10
CFTV	I	0	01	34	39.0	I	0	01	34	55.0			
10 sep 01h 37m 49.9s 29°49'N 13°21'W rms ±0.1s md 3.3 NE. ISLAS-CANARIAS													
CFTV	I	D	0	01	38	15.0	I	0	01	38	33.9		10
GGC	I	D	3	01	38	30.5	I	3	01	39	00.0		15

EST I/E W HORA P I/E W HORA S AMP PER DUR

CCAN E 0 01 38 39.0 I 0 01 39 16.0

11 sep 15h 39m 52.6s 28°35'N 16°20'W 006Km
 rms ±0.1s md 2.8 III-IV ISLAS-CANARIAS
 CTFE I D 9 15 39 54.3 I 0 15 39 56.5 10
 GUI I D 0 15 39 58.0 I 0 15 40 02.2
 CCAN E 0 15 40 01.0 0 15 40 07.0 20
 GGC I D 0 15 40 06.0 I 0 15 40 16.0

29 sep 01h 24m 00.1s 29°11'N 14°55'W 010Km
 rms ±0.2s md 3.4 NE. ISLAS-CANARIAS
 CFTV I D 0 01 24 17.3 I 0 01 24 30.0 10
 CCAN E 0 01 24 27.0 I 3 01 24 46.5 10
 GGC I C 0 01 24 20.0 I 0 01 24 34.4
 CHIE E 0 01 25 18.3

03 oct 04h 47m 50.8s 28°07'N 16°15'W 30Km
 rms ±0.2s md 2.7 ISLAS CANARIAS
 CTFE I D 0 04 47 57.2 I 0 04 48 03.0
 CCAN E 0 04 47 58.0 I 4 04 48 02.2
 GGC I D 0 04 48 00.8 I 0 04 48 08.0
 CFTV I D 0 04 48 19.6 I 0 04 48 39.5
 CHIE E 0 04 48 30.0

20 oct 14h 57m 39.2s 28°02'N 16°07'W 21Km
 rms ±0.1s md 2.6 ISLAS CANARIAS
 CTFE I D 9 14 57 45.8 I 0 14 57 52.1
 GGC I D 0 14 57 47.2 I 0 14 57 53.0
 CCAN I C 0 14 57 47.8 I 0 14 57 53.9
 CHIE E 2 14 58 22.8
 CFTV E 0 14 58 06.5 I 0 14 58 27.0
 TBT E 0 14 58 04.9 I 0 14 58 24.1

28 oct 17h 33m 03.1s 28°12'N 16°10'W 30Km
 rms ±0.3s md 2.0 ISLAS CANARIAS
 CTFE E 9 17 33 11.2 I 0 17 33 16.2
 CCAN I C 0 17 33 11.5 I 0 17 33 16.0
 GGC I C 0 17 33 11.8 I 0 17 33 18.5
 CFTV E 0 17 33 51.1

10 nov 17h 10m 58.5s 28°39'N 16°46'W 32Km
 rms ±0.4s md 2.3 ISLAS CANARIAS
 CCAN I C 0 17 11 07.7 I 0 17 11 12.5
 GGC E 0 17 11 15.2 I 0 17 11 29.2
 TBT I D 0 17 11 14.9 I 0 17 11 25.9
 CHIE I C 0 17 11 21.2 E 0 17 11 36.0
 CFTV E 0 17 11 59.4

16 dic 04h 24m 18.3s 28°29'N 18°52'W 20Km
 rms ±0.2s md 3.0 ISLAS-CANARIAS
 TBT I C 0 04 24 32.4 I 0 04 24 42.2
 CHIE I D 0 04 24 35.2 E 0 04 24 48.6
 GUI I 0 04 25 13.5

23 dic 09h 26m 08.8s 28°02'N 16°05'W 29Km
 rms ±0.1s md 2.2 ISLAS-CANARIAS
 CTFE I D 9 09 26 15.9 I 0 09 26 22.4
 GGC I C 0 09 26 16.5 I 0 09 26 22.5
 CFTV E 0 09 26 36.0 E 0 09 26 56.0

EST I/E W HORA P I/E W HORA S AMP PER DUR

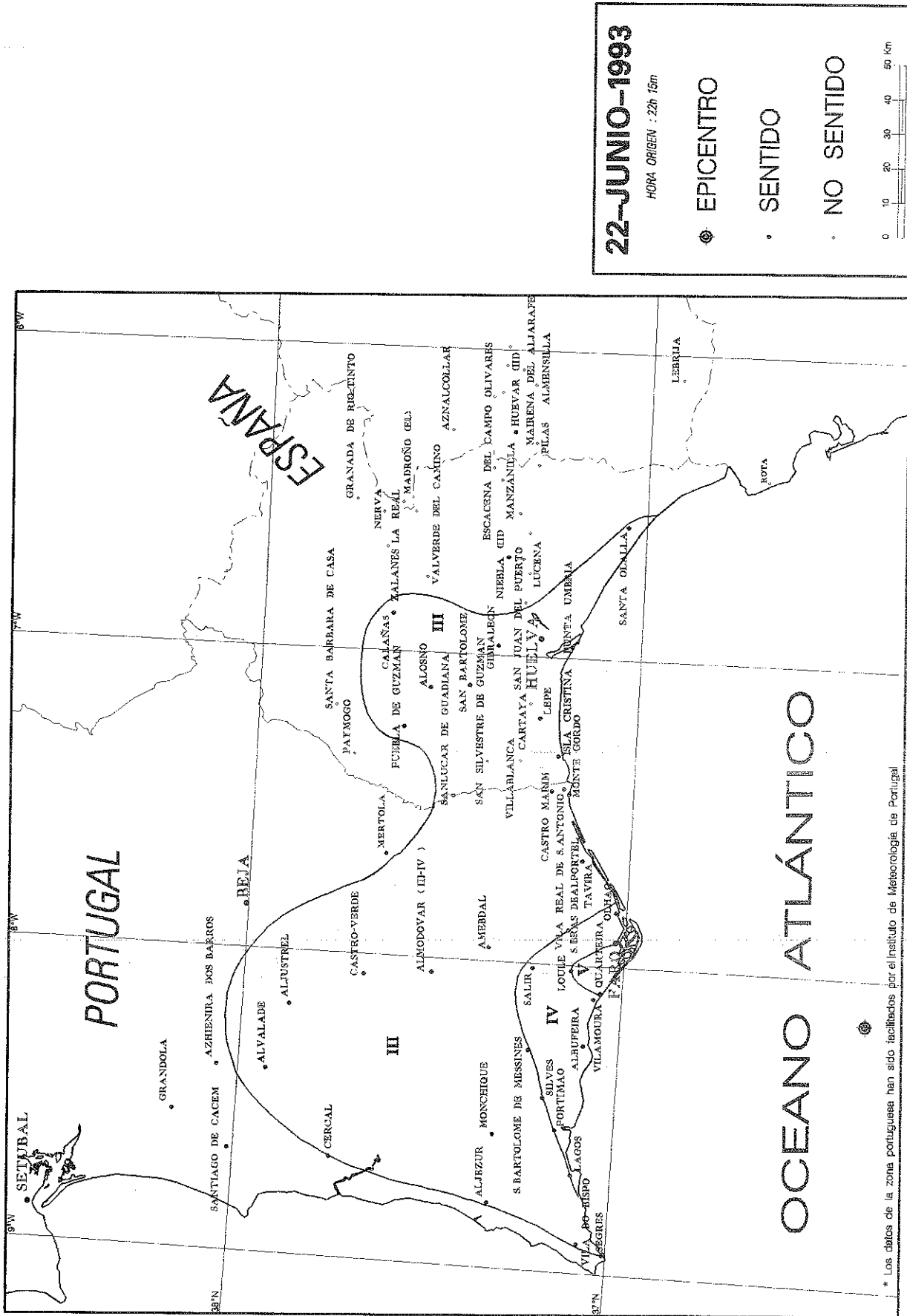
23 dic 12h 38m 17.7s 28°02'N 16°08'W 25Km
 rms ±0.1s md 2.0 ISLAS-CANARIAS
 CFTV E 0 12 38 45.0 E 0 12 39 06.0 18
 GGC I C 0 12 38 26.1 E 0 12 38 32.0 24
 CTFE I D 9 12 38 25.4 E 0 12 38 31.7 25

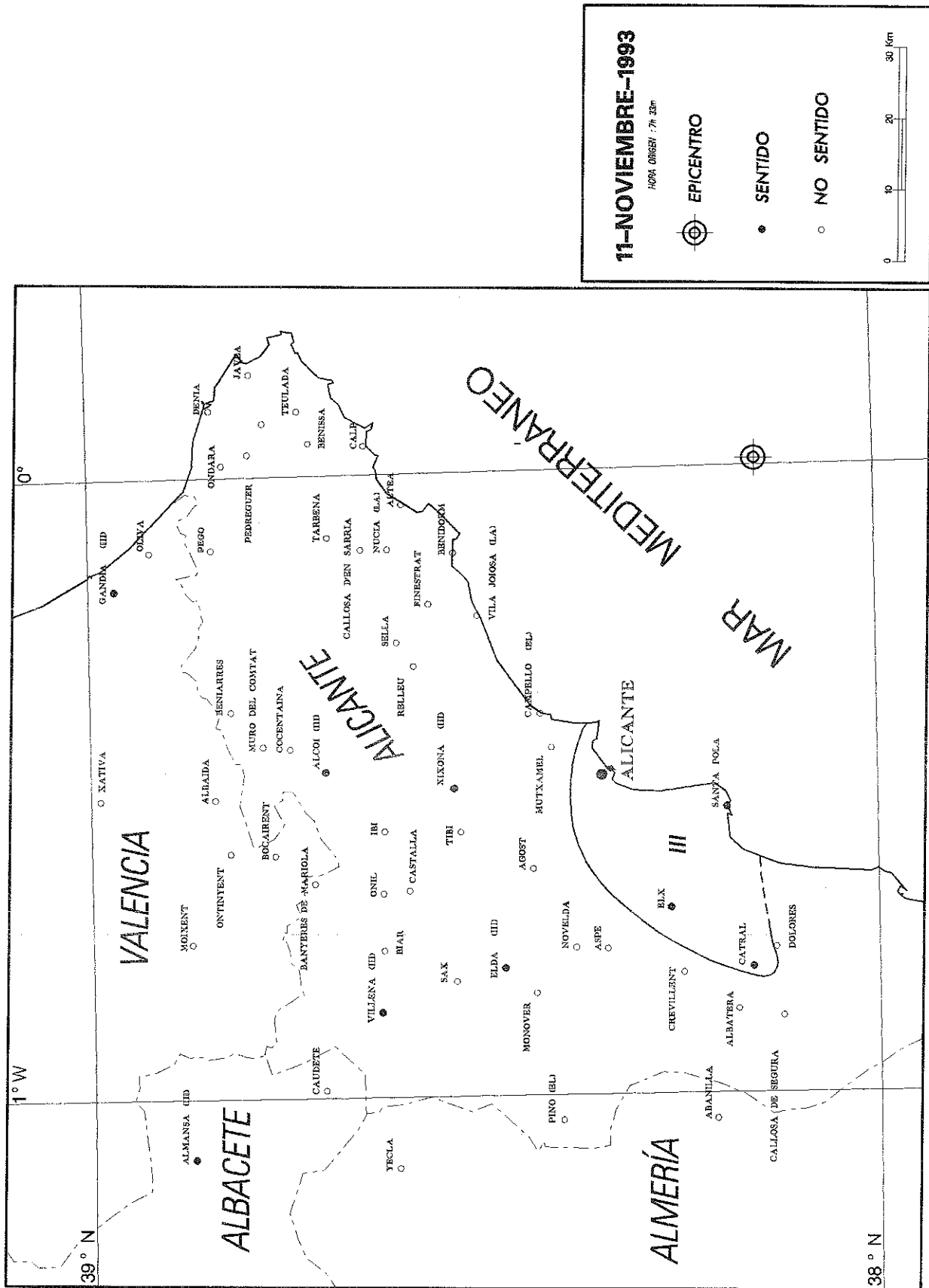
23 dic 18h 46m 21.4s 28°01'N 16°06'W 25Km
 rms ±0.2s md 1.8 ISLAS-CANARIAS
 CTFE I D 9 18 46 28.6 E 0 18 46 35.2 18
 GGC I C 0 18 46 29.0 E 0 18 46 35.2 20
 CFTV E 0 18 46 49.0 E 0 18 47 09.0 08

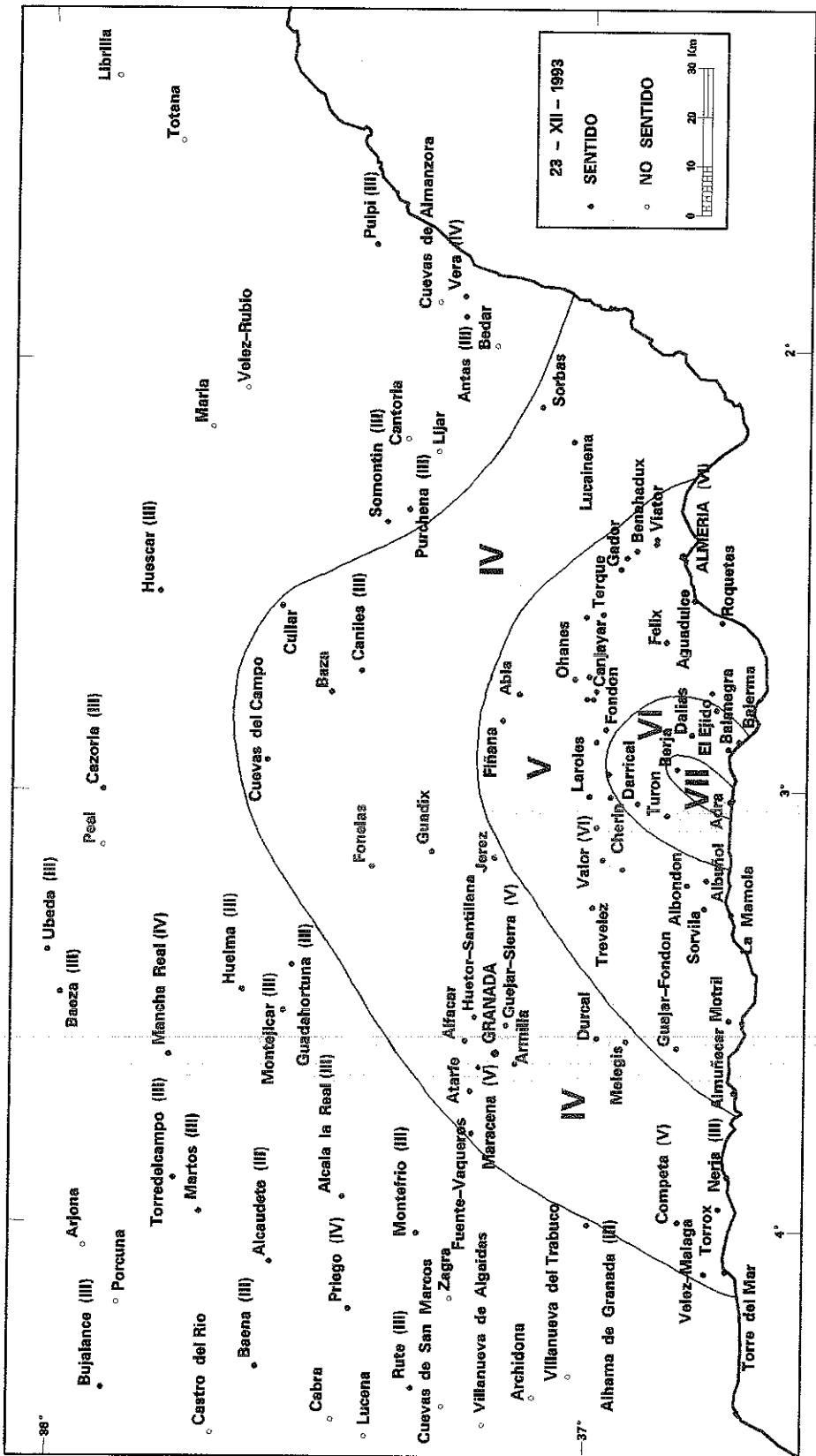
31 dic 23h 14m 10.0s 28°03'N 16°06'W 9Km
 rms ±0.2s md 2.2 ISLAS-CANARIAS
 CTFE I D 9 23 14 17.7 E 0 23 14 24.3 24
 CCAN I C 0 23 14 19.0 E 0 23 14 25.0 30
 CFTV E 0 23 14 58.5
 TBT E 0 23 14 55.2
 CHIE E 0 23 14 55.2
 TFMB 0 23 14 19.1
 TFLM 0 23 14 19.3
 TFTN 0 23 14 21.7

INFORMACIÓN MACROSÍSMICA

- Mapas de isosistas
- Datos macrosísmicos







Referencia: Martínez Solares, J.M. y G. Pascual (1996). Efectos de los terremotos de Almería de 1993-94. *Avances en Geofísica y Geodesia vol 1, 85-90.*

LEYENDA

FECHA	D H M S
HORA	Hora origen (GMT)
LAT	Latitud en grados
LON	Longitud en grados
H	Profundidad en kilómetros
N	Número de observaciones utilizadas en el cálculo
MAG	Magnitud
AGENCIA	Agencia que suministra la intensidad
MDD	Instituto Geográfico Nacional (España)
LIS	Instituto de Meteorología (Portugal)
SPGM	Universite Mohamed V (Marruecos)
LDG	Lab. Detec. Geophysique (Francia)
SGCA	Servei Geologic de Catalunya (España)
PIST	Mr. Pierre Stahl (Francia)
ALG	Centre Recherches d'Astronomie (Argelia)

MES	D	H	M	S	LAT	LON	h (Km)	MAG	N	AGENCIA
ENE	04	09	19	26.2	36.58N	2.60W	4	3.7	57	MDD
					Sentido IV DALIAS, BERJA, ALBUÑOL					
ENE	04	17	14	56.1	36.59N	2.65W	3	3.2	17	MDD
					Sentido II-III DALIAS					
ENE	06	04	10	29.2	43.19N	0.69W	4	3.2	36	PIST
					Sentido III ARETTE (FR)					
ENE	28	18	24	32.2	36.44N	5.48W	2	2.7	17	MDD
					Sentido II-III JIMENA DE LA FRONTERA					
FEB	16	03	11	14.1	36.62N	8.56W	40	4.3	95	LIS
					Sentido IV LAGOS, PORTIMAO, PORCHES, PERA, ALBUFEIRA (PORT)					
					QUARTEIRA, FERREIRAS (PORT)					
					III-IV FONTE DE BOLIQUIME, SILVES (PORT)					
					III ALMANSIL, SITIO DOS CALICOS, CONCEICAO (PORT)					
					FARO, LOULE (PORT)					
					II-III S. BARTOLOMEU DE MESSINES (PORT)					
					II SALIR, OLHAO, MONCARAPACHO FUZETA (PORT)					
FEB	19	00	58	00.0	43.06N	0.30W	3	2.8	27	PIST
					Sentido III-IV ASSON (FR)					
MAR	02	23	48	50.6	43.14N	0.26W	3	2.8	21	PIST
					Sentido III ASSON (FR)					
MAR	03	06	33	36.5	38.54N	7.99W	9	2.9	17	LIS
					Sentido III EVORA (PORT)					
MAR	21	10	01	40.7	37.08N	3.54W	2	3.3	34	MDD
					Sentido III ZUBIA					
ABR	05	01	25	36.1	37.35N	2.15W	4	3.0	33	MDD
					Sentido IV CANTORIA					
ABR	09	16	04	32.6	28.16N	16.91W	3	3.1	9	MDD
					Sentido II CANARIAS ???					
ABR	22	04	22	24.4	38.37N	9.17W	5	3.0	14	LIS
					Sentido II-III SEIMBRA (PORT)					
ABR	25	03	45	00.6	42.87N	2.23W	3	3.3	27	PIST
					Sentido IV QUILLAN (FR)					
MAY	19	23	34	39.8	38.09N	1.19W	3	2.7	20	MDD
					Sentido II-III MOLINA DE SEGURA					

MES	D	H	M	S	LAT	LON	h (Km)	MAG	N	AGENCIA
MAY	23	07	40	56.5	35.27N	2.43W	6	5.4	78	MDD
Sentido IV-V ISLAS CHAFARINAS										
IV MELILLA, ROQUETAS DE MAR										
III TERQUE, RAGOL, CANJAYAR, ALMERIA, LA MAMOLA										
II-III SORBAS, BANALMADENA, ANTEQUERA, ALHAMA										
MAY	23	23	03	52.5	35.27N	2.39W	6	3.1	43	MDD
Sentido III ISLAS CHAFARINAS										
MAY	23	23	39	18.0	35.24N	2.37W	5	3.1	32	MDD
Sentido III ISLAS CHAFARINAS										
MAY	24	09	50	33.8	35.13N	2.65W	23	3.3	29	MDD
Sentido III ISLAS CHAFARINAS										
MAY	25	07	07	12.9	39.42N	0.77W	2	3.3	41	MDD
Sentido III BUÑOL, YATOVA, MACASTRE										
MAY	27	06	12	10.1	43.03N	0.16E	6	3.8	42	PIST
Sentido III-IV BAGNERES-BIGORRE (FR)										
MAY	27	20	14	07.0	43.08N	0.02E	6	3.3	29	PIST
Sentido III BAGNERES-BIGORRE (FR)										
JUN	01	23	04	19.3	35.19N	2.34W	4	3.0	27	MDD
Sentido III ISLAS CHAFARINAS										
JUN	09	22	45	03.9	35.26N	2.37W	4	3.8	64	MDD
Sentido III ISLAS CHAFARINAS										
II-III MELILLA										
JUN	11	03	33	47.3	39.27N	0.89W	5	2.7	16	MDD
Sentido II-III COFRENTES										
JUN	22	21	52	01.6	36.40N	8.27W	29	4.6	96	MDD-LIS
Sentido IV-V LOULE, QUARTEIRA, FARO (PORT)										
IV SALIR, ALBUFEIRA, VILAMOURA, OLAHO (PORT)										
III-IV ALMODOBAR, S. BARTOLOMEU DE MESINES, SILVES (PORT)										
PORTIMAO, S. BRAS DE ALPORTEL, LAGOS (PORT)										
III ALVALADE, AMEIXIAL, MONCHIQUE, CASTRO, MARIM (PORT)										
VILA REAL DE SANTO ANTONIO, MONTE GORDO (PORT)										
TAVIRA, VILA DO BISPO (PORT)										
ISLA CRISTRINA, STA. OLALLA, PUNTA UMBRIA, HUELVA										
GIBRALEON, S. BARTOLOME, SANLUCAR DE GUADIANA, LEPE										
ALOSNO, PUEBLA DE GUZMAN, CALAÑAS, NIEBLA, HUEVAR										
II-III CERCAL, CASTRO VERDE, ALJEZUR, SAGRES (PORT)										
II SETUBAL, GRANDOLA, AZINHEIRA DOS BARROS (PORT)										
SANTIAGO DO CACEM, BEJA (PORT)										
JUL	08	02	26	11.3	43.40N	1.51W	12	3.5	23	MDD
Sentido III-IV SAINT MARTIN D'ARROSA, OSSES (FR)										

INFORMACIÓN MACROSÍSMICA

- Mapas de isosistas
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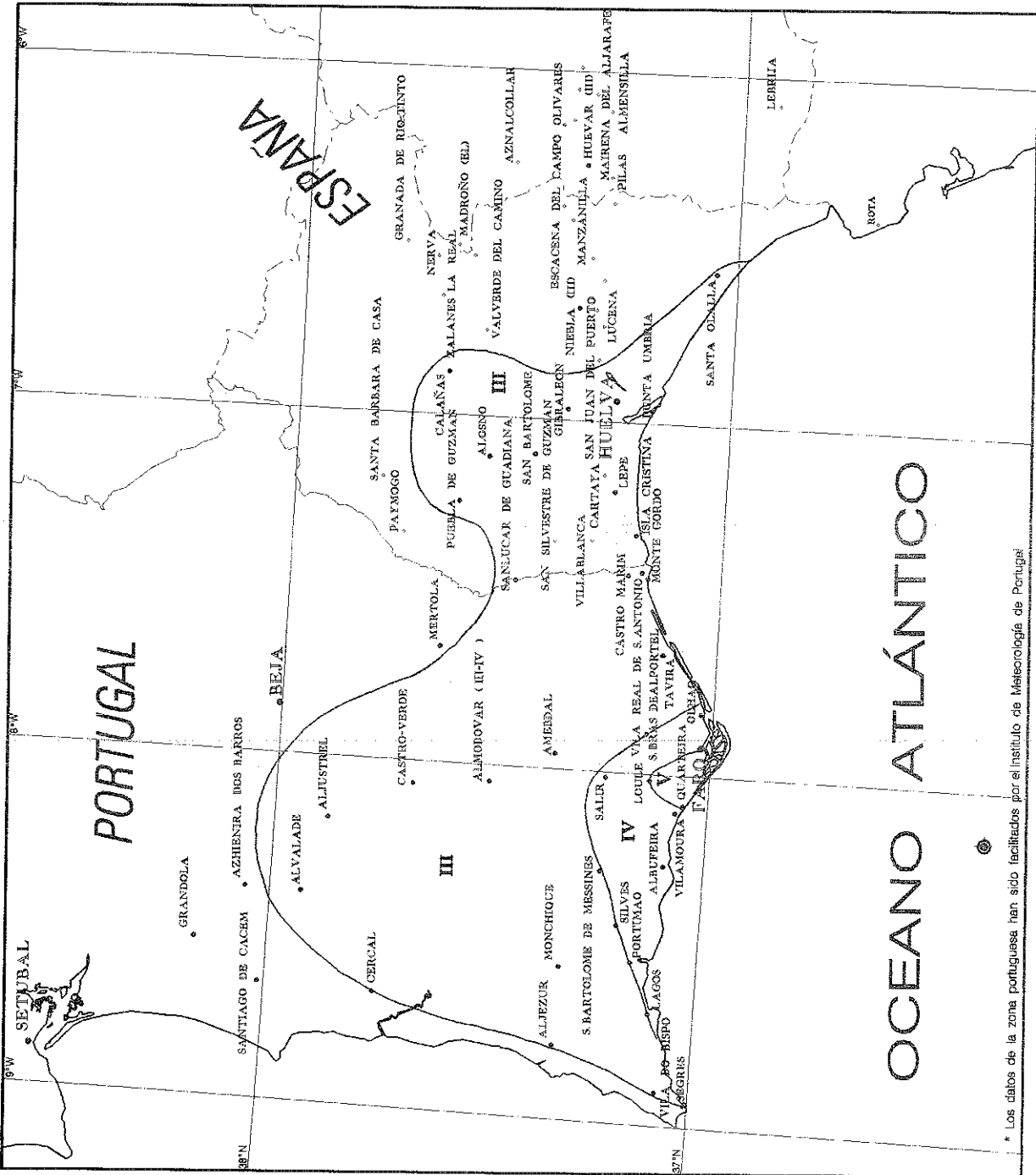
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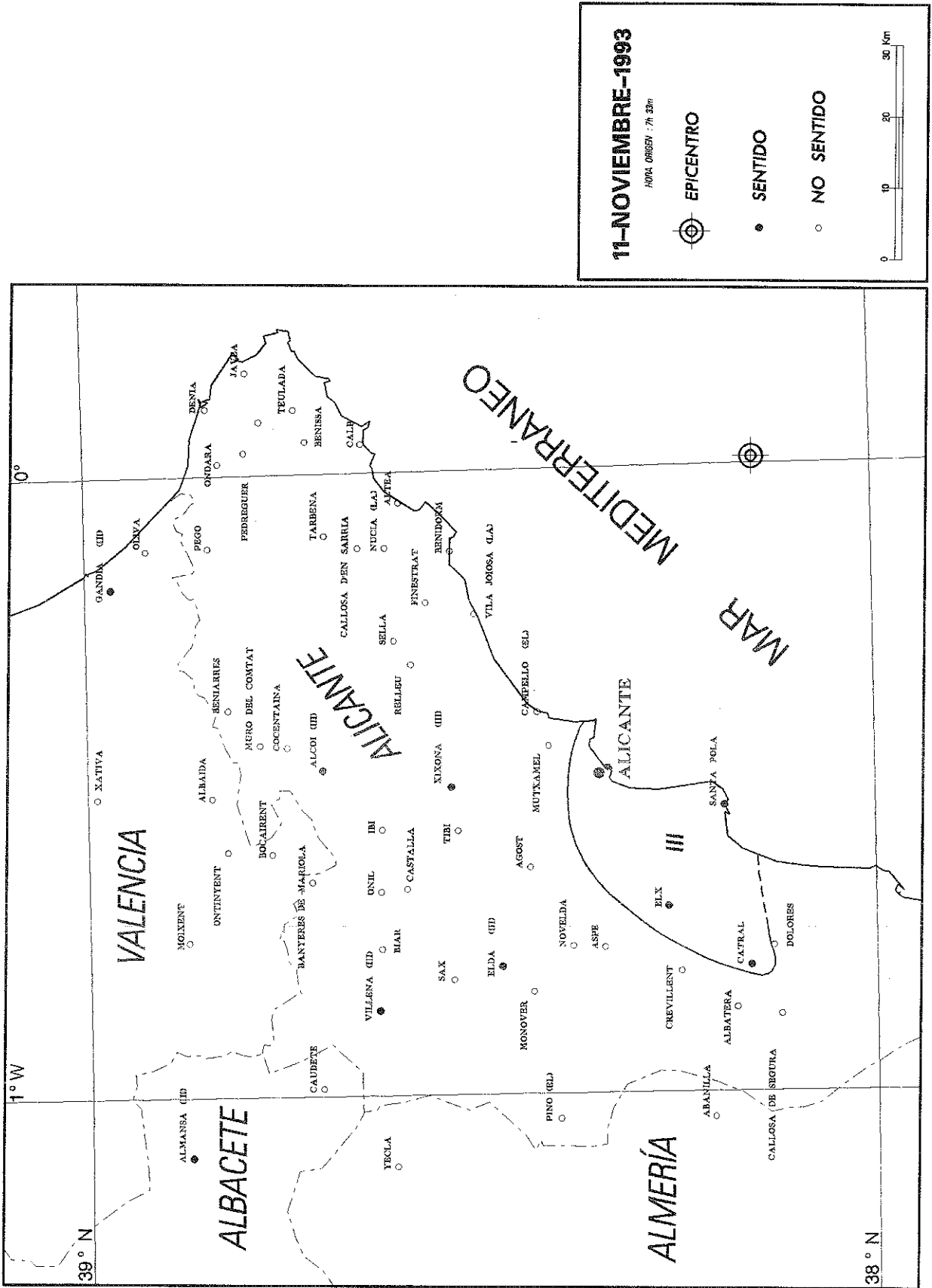
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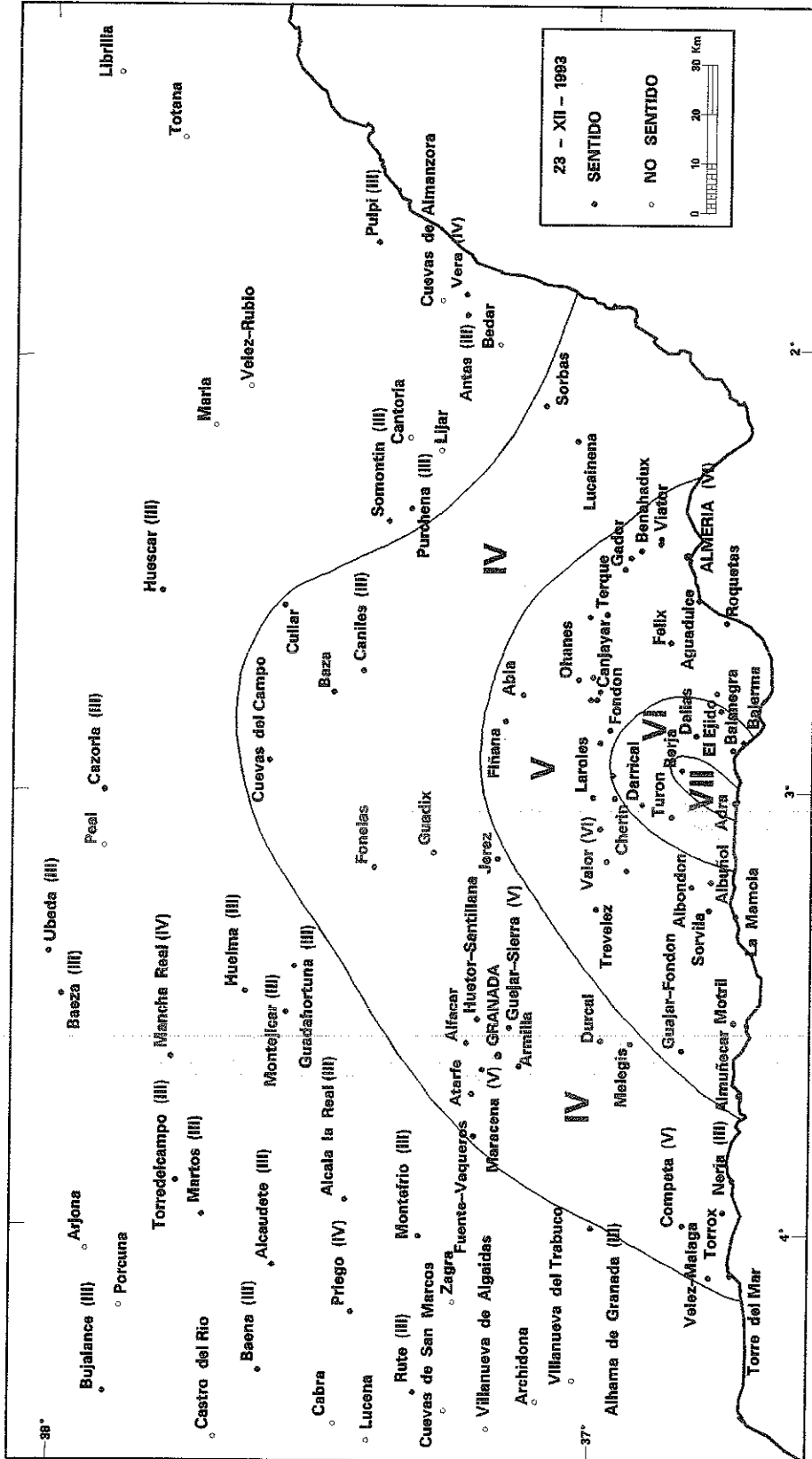
• SENTIDO

• NO SENTIDO



* Los datos de la zona portuguesa han sido facilitados por el Instituto de Meteorología de Portugal





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SGCA	Servei Geologic de Catalunya (España)
PIST	Mr. Pierre Stahl (Francia)
ALG	Centre Recherches d'Astronomie (Argelia)

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1993

I.G.N.

MES	D	H	M	S	LAT	LON	h (Km)	MAG	N	AGENCIA
ENE	04	09	19	26.2	36.58N	2.60W	4	3.7	57	MDD
Sentido IV		DALIAS, BERJA, ALBUÑOL								
ENE	04	17	14	56.1	36.59N	2.65W	3	3.2	17	MDD
Sentido II-III		DALIAS								
ENE	06	04	10	29.2	43.19N	0.69W	4	3.2	36	PIST
Sentido III		ARETTE (FR)								
ENE	28	18	24	32.2	36.44N	5.48W	2	2.7	17	MDD
Sentido II-III		JIMENA DE LA FRONTERA								
FEB	16	03	11	14.1	36.62N	8.56W	40	4.3	95	LIS
Sentido IV		LAGOS, PORTIMAO, PORCHES, PERA, ALBUFEIRA (PORT)								
		QUARTEIRA, FERREIRAS (PORT)								
III-IV		FONTE DE BOLIQUEIME, SILVES (PORT)								
III		ALMANSIL, SITIO DOS CALICOS, CONCEICAO (PORT)								
		FARO, LOULE (PORT)								
II-III		S. BARTOLOMEU DE MESSINES (PORT)								
II		SALIR, OLHAO, MONCARAPACHO FUZETA (PORT)								
FEB	19	00	58	00.0	43.06N	0.30W	3	2.8	27	PIST
Sentido III-IV		ASSON (FR)								
MAR	02	23	48	50.6	43.14N	0.26W	3	2.8	21	PIST
Sentido III		ASSON (FR)								
MAR	03	06	33	36.5	38.54N	7.99W	9	2.9	17	LIS
Sentido III		EVORA (PORT)								
MAR	21	10	01	40.7	37.08N	3.54W	2	3.3	34	MDD
Sentido III		ZUBIA								
ABR	05	01	25	36.1	37.35N	2.15W	4	3.0	33	MDD
Sentido IV		CANTORIA								
ABR	09	16	04	32.6	28.16N	16.91W	3	3.1	9	MDD
Sentido II		CANARIAS ???								
ABR	22	04	22	24.4	38.37N	9.17W	5	3.0	14	LIS
Sentido II-III		SEIMBRA (PORT)								
ABR	25	03	45	00.6	42.87N	2.23W	3	3.3	27	PIST
Sentido IV		QUILLAN (FR)								
MAY	19	23	34	39.8	38.09N	1.19W	3	2.7	20	MDD
Sentido II-III		MOLINA DE SEGURA								

MES	D	H	M	S	LAT	LON	h (Km)	MAG	N	AGENCIA
MAY	23	07	40	56.5	35.27N	2.43W	6	5.4	78	MDD
Sentido		IV-V	ISLAS CHAFARINAS							
		IV	MELILLA, ROQUETAS DE MAR							
		III	TERQUE, RAGOL, CANJAYAR, ALMERIA, LA MAMOLA							
		II-III	SORBAS, BANALMADENA, ANTEQUERA, ALHAMA							
MAY	23	23	03	52.5	35.27N	2.39W	6	3.1	43	MDD
Sentido		III	ISLAS CHAFARINAS							
MAY	23	23	39	18.0	35.24N	2.37W	5	3.1	32	MDD
Sentido		III	ISLAS CHAFARINAS							
MAY	24	09	50	33.8	35.13N	2.65W	23	3.3	29	MDD
Sentido		III	ISLAS CHAFARINAS							
MAY	25	07	07	12.9	39.42N	0.77W	2	3.3	41	MDD
Sentido		III	BUÑOL, YATOVA, MACASTRE							
MAY	27	06	12	10.1	43.03N	0.16E	6	3.8	42	PIST
Sentido		III-IV	BAGNERES-BIGORRE (FR)							
MAY	27	20	14	07.0	43.08N	0.02E	6	3.3	29	PIST
Sentido		III	BAGNERES-BIGORRE (FR)							
JUN	01	23	04	19.3	35.19N	2.34W	4	3.0	27	MDD
Sentido		III	ISLAS CHAFARINAS							
JUN	09	22	45	03.9	35.26N	2.37W	4	3.8	64	MDD
Sentido		III	ISLAS CHAFARINAS							
		II-III	MELILLA							
JUN	11	03	33	47.3	39.27N	0.89W	5	2.7	16	MDD
Sentido		II-III	COFRENTES							
JUN	22	21	52	01.6	36.40N	8.27W	29	4.6	96	MDD-LIS
Sentido		IV-V	LOULE, QUARTEIRA, FARO (PORT)							
		IV	SALIR, ALBUFEIRA, VILAMOURA, OLAHO (PORT)							
		III-IV	ALMODOBAR, S. BARTOLOMEU DE MESINES, SILVES (PORT)							
		III	PORTIMAO, S. BRAS DE ALPORTEL, LAGOS (PORT)							
		III	ALVALADE, AMEIXIAL, MONCHIQUE, CASTRO, MARIM (PORT)							
		III	VILA REAL DE SANTO ANTONIO, MONTE GORDO (PORT)							
		III	TAVIRA, VILA DO BISPO (PORT)							
		III	ISLA CRISTRINA, STA. OLALLA, PUNTA UMBRIA, HUELVA							
		III	GIBRALEON, S. BARTOLOME, SANLUCAR DE GUADIANA, LEPE							
		III	ALOSNO, PUEBLA DE GUZMAN, CALAÑAS, NIEBLA, HUEVAR							
		II-III	CERCAL, CASTRO VERDE, ALJEZUR, SAGRES (PORT)							
		II	SETUBAL, GRANDOLA, AZINHEIRA DOS BARROS (PORT)							
		II	SANTIAGO DO CACEM, BEJA (PORT)							
JUL	08	02	26	11.3	43.40N	1.51W	12	3.5	23	MDD
Sentido		III-IV	SAINT MARTIN D'ARROSA, OSSES (FR)							

MES	D	H	M	S	LAT	LON	h (Km)	MAG	N	AGENCIA
JUL	11	08	57	49.2	37.04N	4.57W	2	3.7	66	MDD
					Sentido III ANTEQUERA					
JUL	29	15	06	54.2	37.02N	2.45W	2	3.2	33	MDD
					Sentido IV VIATOR, PECHINA, BANAHADUX, GADOR					
AGO	11	06	11	15.7	41.15N	7.83W	8	3.5	35	LIS
					Sentido IV VILA REAL, AMARANTE, MESAO FRIO (PORT) STA. MARTA DE PANAGUIAO (PORT)					
AGO	15	22	32	24.4	40.30N	1.11W	3	3.4	52	MDD
					Sentido IV TERUEL, SAN BLAS, VILLAESPESA, VILLASTAR III VALDECEBRO, CONCUD, CELADAS, VILLEL					
AGO	31	01	21	02.6	28.57N	16.32W	1	2.2	5	MDD
					Sentido II CANARIAS ???					
SEP	11	15	39	52.6	28.58N	16.34W	6	2.8	7	MDD
					Sentido III-IV CANARIAS ???					
SEP	17	05	45	48.3	42.80N	1.20W	2	2.9	18	MDD
					Sentido III OZCOIDI, ZABALZA, IRUROZQUI					
OCT	03	20	13	48.3	34.95N	3.12W	9	3.5	18	MDD
					Sentido III ISLAS CHAFARINAS					
OCT	03	21	20	09.0	34.97N	3.10W	26	3.5	15	MDD
					Sentido III ISLAS CHAFARINAS					
OCT	06	13	49	13.1	38.48N	1.26W	6	3.2	26	MDD
					Sentido II-III JUMILLA					
OCT	08	22	09	35.5	42.42N	2.14W	2	3.6	55	MDD-PIST-SGCA
					Sentido III-IV MONT-LOUIS (FR) III PUIGCERDA, SETCASES, RIPOLL					
OCT	25	00	16	06.0	40.60N	1.60W	4	3.2	39	MDD
					Sentido III ORIHUELA DEL TREMENDAL					
NOV	03	21	31	22.9	37.70N	1.69W	2	3.4	42	MDD
					Sentido II-III LORCA					
NOV	05	04	39	03.6	37.33N	1.87W	2	3.0	20	MDD
					Sentido II-III CUEVAS DE ALMANZORA					
NOV	09	22	01	17.4	36.55N	7.60W	39	4.1	97	MDD-LIS
					Sentido III-IV HUELVA III OLHAO, FARO (PORT)					

MES	D	H	M	S	LAT	LON	h (Km)	MAG	N	AGENCIA
NOV	11	02	06	00.1	38.29N	0.88W	9	3.2	30	MDD
Sentido II-III ELCHE, XIXONA										
NOV	11	07	33	23.9	38.15N	0.00W	5	3.8	64	MDD
Sentido III STA POLA, ELX, CATRAL, ALMANSA, VILLENA ELDA, XIXONA, ALCOI										
NOV	12	09	28	05.1	42.09N	7.73W	5	3.3	18	MDD
Sentido III-IV XINZO DE LIMIA										
NOV	14	15	11	02.1	37.51N	1.46W	9	2.8	14	MDD
Sentido II-III LORCA										
NOV	17	17	50	57.0	43.09N	0.26E	10	3.8	71	PIST
Sentido IV BAGNERES-BIGORRE, CAMPAN (FR)										
NOV	24	20	37	31.7	41.15N	7.87W	10	3.6	41	LIS
Sentido IV S. MARTHINO DE ANTAS, NOGUEIRA (PORT) STA. MARTA DE PENEGUIAO, MEDROES (PORT) ALVACOES DE PESO DA REGUA (PORT) III-IV VILAR DE MACADA, VILA REAL, SABROSA (PORT) CARVALHAI, VILA MARIM (PORT) III VILA VERDE, TESTEIRA, SIRARELHOS, POVOA (PORT) GALUFURA, MESAO FRITO, LAMEGO (PORT) II-III BARRELA, MURCA, AMARANTE, ARMAMAR (PORT) S. JOAO DA PESQUEIRA (PORT) II VILA POUCA DE AGUIAR, PINHAO, BAHIAO (PORT) SOUTHELINO DO MESIO, STA MARINHA, RESENDE (PORT) MARCO DE CANAVESES, TABUACO, S. CIPRIANO (PORT) CALDAS DE AREGOS, CINFAES, CASTELO DE PAVIA (PORT) TOROUCA, MOIMENTA (PORT)										
DIC	02	16	10	25.4	36.99N	3.71W	3	2.8	23	MDD
Sentido II-III PADUL										
DIC	11	02	51	09.3	38.04N	0.66W	8	3.4	36	MDD
Sentido III-IV GUARDAMAR, TORREVIEJA										
DIC	17	07	44	15.5	38.81N	6.30W	3	3.5	30	MDD
Sentido III ALANGE, LA ZARZA										
DIC	22	20	11	38.3	37.01N	3.95W	4	3.6	70	MDD
Sentido III-IV ARENAS DE REY, CACIN										
DIC	23	14	22	35.4	36.78N	2.94W	9	5.0	85	MDD
Sentido VI-VII ADRA, BERJA VI DALIAS, EL EJIDO, BALANEGRA, TURON, ALMERIA BALERNA, ALCOLEA, DARRICAL										

MES	D	H	M	S	LAT	LON	h (Km)	MAG	N	AGENCIA
										V ALBUÑOL, MOTRIL, ALMUÑECAR, TREVELEZ, FIÑANA GADOR, ROQUETAS, AGUADULCE, OHANES, LA MAMOLA GUEJAR-SIERRA, SORVILAN, ALBONDON, CANJAYAR GUAJAR-FONDON, CHERIN, LAROLES, BENAHADUX ABLA, FONDON, TERQUE, VIATOR, ALMOCITA, CADIAR HUERCAL-ALMERIA, FELIX, BEIRES, LAUJAR ANDARAX PADULES, STA. MARIA DEL AGUILA, COMPETA, RIOJA MARACENA
										IV GRANADA, TORROX, VELEZ-MALAGA, DURCAL, ARMILLA ATARFE, GUADIX, SORBAS, MELEGIS, BEAS DE SEGURA MECINA-BOMDARON, VALOR, VERA, HUETOR-SANTILLAN ALFACAR, FONELAS, PRIEGO, CUEVAS DEL CAMPO, BAZA CULLAR, LUCAINENA, MANCHA REAL, FUENTE-VAQUEROS TORRE DEL MAR, JEREZ
										III NERJA, CANILES, ANTEQUERA, FUENGIROLA, ANDUJAR, RUTE LINARES, NAVAS DE S. JUAN, TORREPEROGIL, POZOBLANCO XIXONA, CIUDADA REAL, CORDOBA, CASTALLA, STA. POLA GUARDAMAR, LA MATA, VILAJOIOSA, ALBACETE, CAZORLA UBEDA, BUJALANCE, BAEZA, HUESCAR, ALCALA LA REAL TORREDEL CAMPO, MARTOS, HUELMA, GUADAHORTUNA, BAENA ALCAUDETE, MONTEJICAR, SOMONTIN, MONTEFRIO, PULPI ALHAMA DE GRANADA, PURCHENA, , ANTAS
DIC	23	14	34	48.1	36.78N	3.04W	3	3.4	19	MDD
										Sentido III-IV ADRA
DIC	23	18	00	07.9	36.74N	2.99W	2	3.8	75	MDD
										Sentido III-IV ADRA
DIC	24	12	42	06.8	36.71N	3.00W	3	3.6	19	MDD
										Sentido III-IV BERJA
DIC	27	20	01	58.5	36.78N	3.01W	10	3.0	14	MDD
										Sentido III BERJA

MES	D	H	M	S	LAT	LON	h(Km)	MAG	N	AGENCIA
					V ALBUÑOL, MOTRIL, ALMUÑECAR, TREVELEZ, FIÑANA GADOR, ROQUETAS, AGUADULCE, OHANES, LA MAMOLA GUEJAR-SIERRA, SORVILAN, ALBONDON, CANJAYAR GUAJAR-FONDON, CHERIN, LAROLES, BENAHADUX ABLA, FONDON, TERQUE, VIATOR, ALMOCITA, CADIAR HUERCAL-ALMERIA, FELIX, BEIRES, LAUJAR ANDARAX PADULES, STA. MARIA DEL AGUILA, COMPETA, RIOJA MARACENA					
					IV GRANADA, TORROX, VELEZ-MALAGA, DURCAL, ARMILLA ATARFE, GUADIX, SORBAS, MELEGIS, BEAS DE SEGURA MECINA-BONDARON, VALOR, VERA, HUETOR-SANTILLAN ALFACAR, FONELAS, PRIEGO, CUEVAS DEL CAMPO, BAZA CULLAR, LUCAINENA, MANCHA REAL, FUENTE-VAQUEROS TORRE DEL MAR, JEREZ					
					III NERJA, CANILES, ANTEQUERA, FUENGIROLA, ANDUJAR, RUTE LINARES, NAVAS DE S. JUAN, TORREPEROGIL, POZOBLANCO XIXONA, CIUDADA REAL, CORDOBA, CASTALLA, STA. POLA GUARDAMAR, LA MATA, VILAJOIOSA, ALBACETE, CAZORLA UBEDA, BUJALANCE, BAEZA, HUESCAR, ALCALA LA REAL TORREDEL CAMPO, MARTOS, HUELMA, GUADAHORTUNA, BAENA ALCAUDETE, MONTEJICAR, SOMONTIN, MONTEFRIO, PULPI ALHAMA DE GRANADA, PURCHENA, , ANTAS					
DIC	23	14	34	48.1	36.78N	3.04W	3	3.4	19	MDD
Sentido III-IV ADRA										
DIC	23	18	00	07.9	36.74N	2.99W	2	3.8	75	MDD
Sentido III-IV ADRA										
DIC	24	12	42	06.8	36.71N	3.00W	3	3.6	19	MDD
Sentido III-IV BERJA										
DIC	27	20	01	58.5	36.78N	3.01W	10	3.0	14	MDD
Sentido III BERJA										



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