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MADRID, 1992

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**INSTITUTO GEOGRÁFICO
NACIONAL**

**BOLETÍN DE SISMOS
PRÓXIMOS
1.990**

**SERVICIO NACIONAL DE SISMOLOGIA
C/ General Ibáñez de Ibero, 3
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ESPAÑA**

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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 1.990 en la Península Ibérica, áreas próximas y archipiélago Canario.

En este año la Red Sísmica se ha visto ampliada por cuatro estaciones nuevas de componente vertical de corto período situadas en Graus-Huesca (EGRA), Huescar-Granada (EHUE), Cogollos Vega-Granada (ECOG) y Cañadas-Tenerife (CCAN). La estación de Cogollos Vega sustituirá en un futuro próximo a la estación de Alfacar habiéndose cambiado entonces el enlace radio por línea telefónica directa al Centro de Recepción de Datos en Madrid. La estación CCAN está situada en el Parque Nacional del Teide en Tenerife y su señal es transmitida vía radio al CRD en Santa Cruz. También en este año se ha sustituido el enlace radio de la estación CFTV en la isla de Fuerteventura con el CRD de Santa Cruz por una línea telefónica con lo que se eliminan todos los problemas que venía ocasionando desde su instalación la transmisión entre las dos islas.

En el presente boletín están recogidos todos los sismos registrados por las estaciones de la Red Sísmica Nacional, con epicentro comprendido entre los paralelos 34°N - 44°N y los meridianos 18°W - 6°E , y que ha sido posible su localización.

Se incluye un apartado referente a la sismicidad en las Islas Canarias. En él, 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 -*Hidroeléctrica de Cataluña, Observatorio del Ebro, Real Academia de Ciencias y Artes de Barcelona, Real Instituto y Observatorio de la Armada, SECEG, Servicio Geológico de Cataluña, Universidad de Granada*- y los suministrados por organismos extranjeros -*C.R.A.A.G. (Argelia), Institut de Physique de Globe de París (Francia), Laboratoire de Détection et de Géophysique (Francia), Service de Physique du Globe (Marruecos), Instituto Nacional de Meteorología e Geofísica (Portugal)*.

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 V_p/V_s que se muestran en la figura 1.

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:

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

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

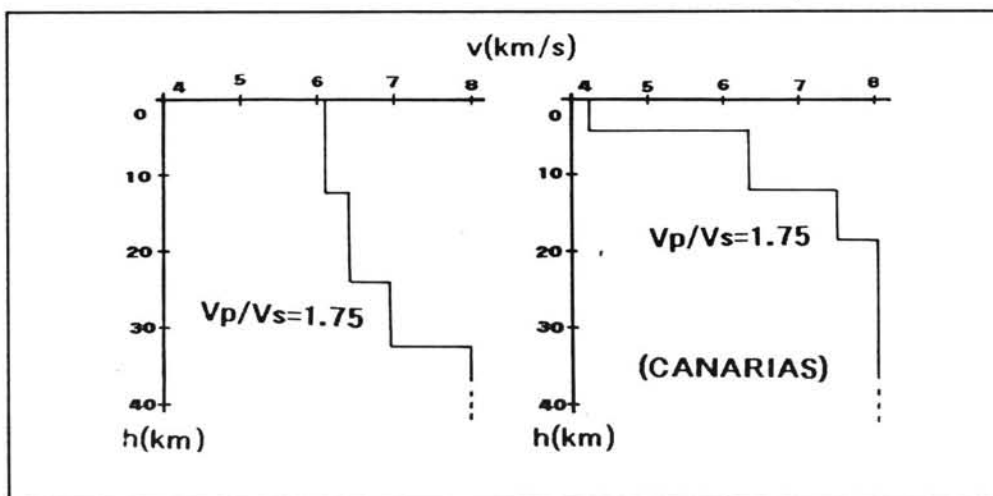


Figura 1: Modelos de corteza empleados en el cálculo de los sismos mediante el programa HYPO71.

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

En el caso de los sismos de Canarias, la magnitud m_d , 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 ha 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**).

En cuanto a la actividad sísmica del año 1990 es de destacar el terremoto que ocurrió el día 8 de marzo a las 01 horas 37 minutos (TU) en la zona de Durcal en la provincia de Granada de magnitud 4.8. Su mecanismo focal se incluye en el apartado correspondiente. Este terremoto ha sido localizado a una profundidad focal de 627 kilómetros al igual que los ocurridos el 29 de marzo de 1954 de magnitud 7.0 y el 30 de enero de 1973 de magnitud 4.0. El mecanismo focal de estos tres terremotos es del mismo tipo. Un estudio sobre este terremoto ha sido realizado por **Buforn et al (1991)**.

Por último y de manera extraordinaria, se publica como anexo a este boletín la traducción-adaptación de la escala de intensidades M.S.K. (64) (**Mendevedev, S.V., W. Sponheuer y V. Karnik, 1967**).

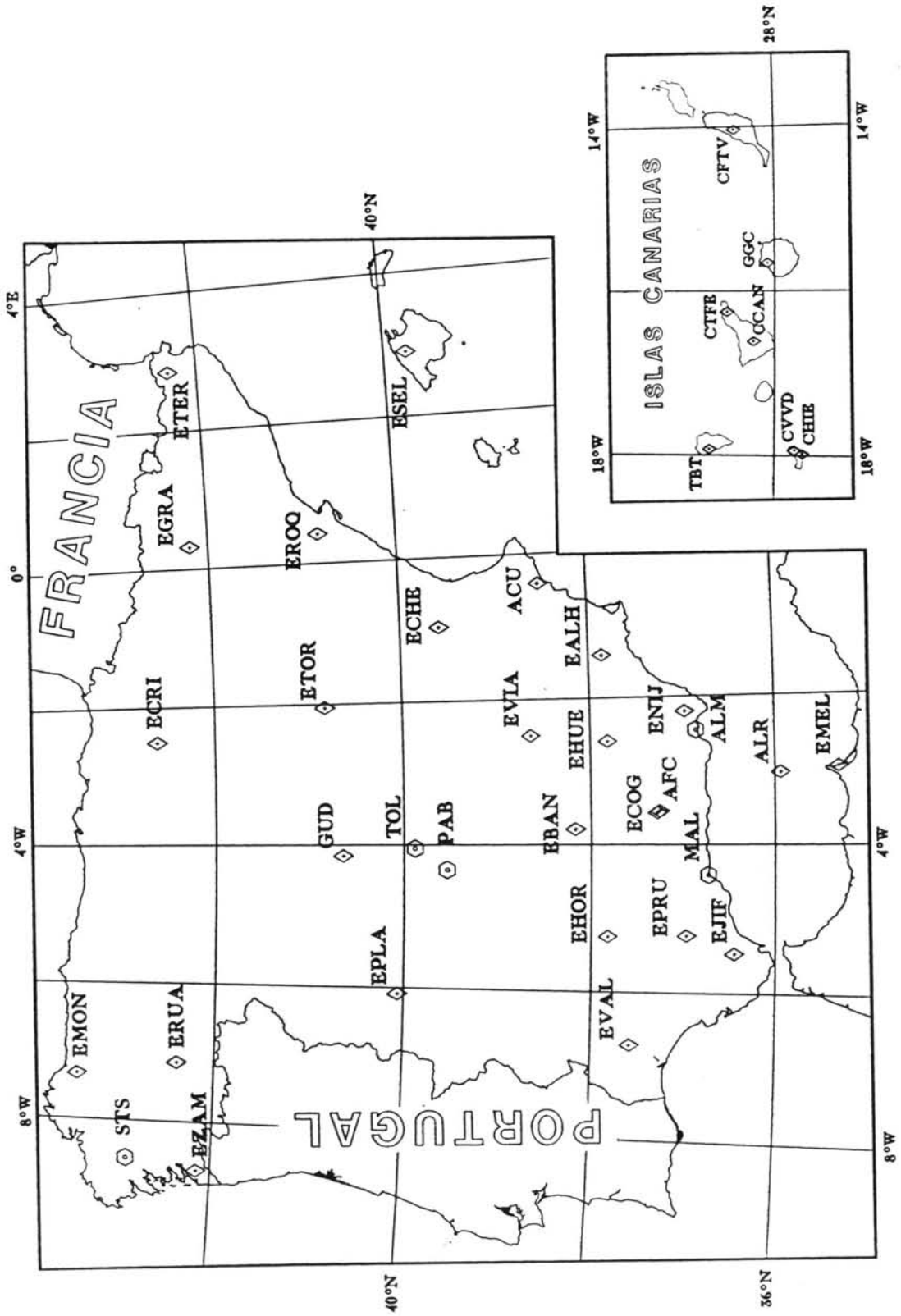
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Madrid, diciembre de 1.992

ESTACIONES SÍSMICAS DEL INSTITUTO GEOGRÁFICO NACIONAL

ESTACION	CODIGO	LONGITUD	LATITUD	ALT (m)	Comp.	T ₀ (s)	REGISTRO
AGUARIJO-EL HIERRO	CWD	17° 56' 10'' W	27° 49' 15'' N	450	Z	1.0	Tinta 60 mm/'
ALBORAN	ALR	03° 02' 06'' W	35° 56' 21'' N	10	ZNE	1.0	Tinta 60 mm/'
ALFACAR-GRANADA	AFC	03° 32' 42'' W	37° 15' 16'' N	1.490	Z	1.0	Térmico 60 mm/'- Digital
ALHAMA-MURCIA	EALH	01° 25' 11'' W	37° 51' 29'' N	294	Z	1.0	Térmico 60 mm/'- Digital
ALMERIA	ALM	02° 27' 35'' W	36° 51' 09'' N	65	ZNE	1.3	Tinta 60 mm/'
BAÑOS-JAEN	EBAN	03° 47' 08'' W	38° 09' 52'' N	460	Z	1	Térmico 60 mm/'- Digital
BETANCURIA-FUENTEVENTURA	CFTV	14° 05' 00'' W	28° 24' 50'' N	540	Z	1	Térmico 60 mm/'- Digital
CANALOBRE-ALICANTE	ACU	00° 24' 38'' W	38° 30' 41'' N	580	Z	1	Térmico 60 mm/'- Digital
CANADAS-TENERIFE	CCAN	16° 36' 18'' W	28° 13' 18'' N	2.210	Z	1	Térmico 60 mm/'- Digital
COGOLLOS-GRANADA	ECOG	03° 33' 59'' W	37° 16' 38'' N	1.176	Z	1	Térmico 60 mm/'- Digital
CHERA-VALENCIA	ECHER	00° 58' 04'' W	39° 35' 27'' N	643	Z	1	Térmico 60 mm/'- Digital
CRIPAN-ALAVA	ECRI	02° 30' 36'' W	42° 36' 32'' N	807	Z	1	Térmico 60 mm/'- Digital
GRAUS-HUESCA	EGRA	00° 18' 57'' E	42° 11' 43'' N	706	Z	1	Térmico 60 mm/'- Digital
GUADARRAMA-MADRID	GUD	04° 09' 13'' W	40° 38' 35'' N	1.268	Z	1	Térmico 60 mm/'- Digital
GUJA-GRAN CANARIA	GGC	15° 38' 12'' W	28° 07' 11'' N	560	Z	1	Térmico 60 mm/'
HORNACHUELOS-CORDOBA	EHOR	05° 14' 53'' W	37° 49' 23'' N	160	Z	1	Térmico 60 mm/'- Digital
HUESCAR-GRANADA	EHUE	02° 35' 34'' W	37° 48' 53'' N	980	Z	1	Térmico 60 mm/'- Digital
JIMENA-CADIZ	EJIF	05° 28' 08'' W	36° 27' 05'' N	260	Z	1	Térmico 60 mm/'- Digital
LA RUA-ORENSE	ERUA	07° 08' 33'' W	42° 23' 33'' N	431	Z	1	Térmico 60 mm/'- Digital
LAS MESAS-TENERIFE	CTFE	16° 15' 44'' W	28° 28' 46'' N	270	Z	1	Térmico 60 mm/'
LAS MESAS-TENERIFE	CTFE	16° 15' 44'' W	28° 28' 46'' N	270	N	0.85	Tinta 120 mm/'
LAS MESAS-TENERIFE	CTFE	16° 15' 44'' W	28° 28' 46'' N	270	E	0.85	Tinta 120 mm/'
LAS PLAYAS-EL HIERRO	CHIE	17° 57' 39'' W	27° 43' 37'' N	170	Z	1	Térmico 60 mm/'
MALAGA	MAL	04° 24' 40'' W	36° 43' 39'' N	60	ZNE	1	Térmico 60 mm/'
MELLILLA	EMEL	02° 57' 24'' W	35° 18' 00'' N	85	Z	1	Térmico 60 mm/'- Digital
MONDOÑO-LUGO	EMON	07° 19' 47'' W	43° 26' 10'' N	615	Z	1	Térmico 60 mm/'- Digital
NIJAR-ALMERIA	ENIJ	02° 12' 25'' W	36° 58' 18'' N	440	Z	1	Térmico 60 mm/'- Digital
PLASENCIA-CACERES	EPLA	06° 04' 49'' W	40° 03' 51'' N	591	Z	1	Térmico 60 mm/'- Digital
PRUNA-SEVILLA	EPRU	05° 13' 53'' W	36° 57' 58'' N	560	Z	1	Térmico 60 mm/'- Digital
ROQUETAS-TARRAGONA	EROQ	00° 24' 32'' E	40° 49' 24'' N	284	ZNE	1	Térmico 60 mm/'- Digital
SAN PABLO-TOLEDO	PAB	04° 20' 54'' W	39° 32' 45'' N	938	Z	1	Tinta 60 mm/'- Digital
SANTIAGO-LA CORUNA	STS	08° 33' 03'' W	42° 53' 10'' N	265	Z	1	Térmico 60 mm/'- Digital
SELVA-MALLORCA	ESEL	02° 53' 40'' E	39° 46' 05'' N	231	Z	1	Térmico 60 mm/'- Digital
TABURIENTE-LA PALMA	TBT	17° 54' 52'' W	28° 40' 46'' N	180	Z	1	Tinta 120 mm/'
TERRADES-GERONA	ETER	02° 51' 20'' E	42° 18' 05'' N	238	Z	1	Térmico 60 mm/'- Digital
TOLEDO	TOL	04° 02' 55'' W	39° 52' 53'' N	480	ZNE	1	Térmico 60 mm/'- Digital
TORRETE-GUADALAJARA	ETOR	02° 03' 19'' W	40° 49' 10'' N	1.018	Z	1	Térmico 60 mm/'- Digital
VALVERDE-HUELVA	EVAL	06° 44' 51'' W	37° 35' 03'' N	295	Z	1	Térmico 60 mm/'- Digital
VIANOS-ALBACETE	EVIA	02° 30' 09'' W	38° 38' 19'' N	1.142	Z	1	Térmico 60 mm/'- Digital
ZAMANS-PONTEVEDRA	EZAM	08° 41' 42'' W	42° 08' 56'' N	398	Z	1	Térmico 60 mm/'- Digital



SISMICIDAD AÑO 1.990

- 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 de la hora origen, 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
D	Dispone de registro digital

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	MB	INT	LOCALIZACIÓN
1990-01-03	01 47 29.6	00°31.9'W	43°31.4'N	2	±0.8	±2	±2	29	3.0	IV	ARTHEZ DE BEARN.FR
1990-01-05	00 49 35.3	05°24.6'W	36°58.6'N	3	±0.9	±3	±3	23	2.8		CORRIPE.SE
1990-01-05	00 54 33.4	05°21.7'W	36°55.8'N		±0.5	±5		13	2.4	R	OLVERA.CA
1990-01-05	00 54 47.8	05°19.2'W	36°59.1'N	3	±0.5	±2	±3	9	2.6	R	OLVERA.CA
1990-01-05	00 57 54.5	05°20.4'W	37°00.9'N		±0.7	±3		12	2.4	R	OLVERA.CA
1990-01-06	15 42 26.8	09°00.8'W	39°15.1'N	13	±0.6	±3	±3	18	3.1		CERCAL.PORT
1990-01-07	16 21 26.0	01°19.1'E	35°52.2'N		±0.7	±8		22	3.6		AMMI MOUSSA.ARG
1990-01-07	22 20 27.4	05°15.2'W	36°52.7'N	2	±0.4	±1	±2	20	2.4		EL GASTOR.CA
1990-01-09	06 01 26.9	00°50.1'W	39°17.6'N	9	±0.7	±2	±2	28	3.3	D	DOS AGUAS.V
1990-01-09	10 28 23.1	00°26.9'W	43°06.9'N	2	±0.8	±2	±2	28	3.4	IV	VALLEE D'OSSAU.FR
1990-01-09	14 37 13.1	01°12.8'W	43°04.3'N		±0.6	±8		11	2.6		ARNEGUY.FR
1990-01-12	05 00 39.2	03°56.0'W	37°03.2'N	3	±0.8	±1	±2	41	3.2	III-IV D	CACIN.GR
1990-01-13	06 27 43.3	04°50.3'W	36°54.4'N	4	±0.8	±2	±4	23	2.9		N. ARDALES.MA
1990-01-13	20 15 29.5	04°46.3'W	36°55.5'N	8	±0.9	±3	±5	18	2.6	R	N. ARDALES.MA
1990-01-14	15 10 11.8	04°48.3'W	36°58.2'N	3	±0.9	±3	±2	27	2.7	R	N. ARDALES.MA
1990-01-15	15 39 42.6	11°28.3'W	39°26.3'N		±0.8	±6		17	3.0		ATLANTICO
1990-01-16	07 47 26.1	03°01.6'W	36°29.5'N		±0.9	±8		12	2.7		S. ADRA
1990-01-18	06 17 32.3	03°58.7'W	37°42.5'N	25	±0.3	±1	±1	20	3.0	D	MARTOS.J
1990-01-21	13 02 30.5	04°01.6'W	38°01.6'N	12	±0.6	±2	±3	16	2.6		ANDUJAR.J
1990-01-21	21 04 42.4	00°56.4'E	42°28.7'N	3	±0.5	±1	±3	18	2.7		TORRE DE CAPDELLA.L
1990-01-22	19 52 32.0	06°26.5'W	37°53.0'N	3	±0.8	±2	±3	23	3.2		PUERTO-MORAL.H
1990-01-22	21 32 50.3	03°56.9'W	37°42.3'N	24	±0.3	±1	±1	19	2.9		MARTOS.J
1990-01-23	17 10 53.5	03°51.3'W	37°06.4'N	3	±0.4	±1	±2	19	2.9		CHIMENEAS.GR
1990-01-23	19 13 14.1	05°32.0'W	37°01.0'N	4	±0.8	±2	±4	21	2.9	P	MONTELLANO.SE
1990-01-23	21 25 00.9	05°33.7'W	37°01.3'N	4	±0.9	±3	±4	22	3.0	P	MONTELLANO.SE
1990-01-23	21 37 31.2	05°33.1'W	37°01.5'N	2	±0.9	±2	±2	33	3.5	III	MONTELLANO.SE
1990-01-24	02 22 51.3	05°31.3'W	37°02.5'N	3	±0.8	±2	±3	25	2.9	RD	MONTELLANO.SE
1990-01-24	03 50 48.6	05°33.1'W	37°01.8'N	4	±0.9	±3	±4	21	2.8	RD	MONTELLANO.SE
1990-01-24	03 52 03.2	05°33.0'W	37°02.8'N	4	±0.9	±2	±3	32	3.4	R	MONTELLANO.SE
1990-01-26	18 04 19.8	03°01.6'W	36°51.2'N	3	±0.6	±3	±3	18	2.9		BERJA.AL
1990-01-28	04 20 58.6	02°27.2'E	36°50.1'N		±0.7	±7		24	3.6		NE. CHERCHELL
1990-01-28	17 07 30.5	00°50.7'W	39°14.1'N	3	±0.4	±2	±3	11	2.9		DOS AGUAS.V
1990-01-29	04 52 23.8	03°50.8'W	35°01.4'N		±0.9	±5		10	3.1		S. ALHUCEMAS.MAC
1990-02-02	14 03 32.3	08°16.0'W	38°50.4'N		±0.7	±3		13	3.3		MORA.PORT
1990-02-03	01 07 13.5	01°41.3'E	36°29.9'N	8	±0.5	±2	±3	33	3.4		GOURAYA.ARG
1990-02-03	01 53 57.1	01°34.2'W	43°15.7'N	3	±0.8	±3	±3	19	2.9		ZUGARRAMURDI.NA
1990-02-03	22 23 26.8	03°38.0'W	37°06.3'N		±0.6	±2		21	2.7		ALHENDIN.GR
1990-02-04	16 55 40.1	01°53.7'E	36°12.5'N	10	±0.8	±6	±8	33	3.7		AM DEFLA.ARG
1990-02-05	07 17 47.4	02°32.4'E	36°41.8'N		±0.8	±6		46	4.2	P	W. ARGEL
1990-02-06	07 41 29.2	04°31.8'W	36°34.2'N	68	±0.8	±2	±2	68	3.4	D	E. BENALMADENA
1990-02-07	08 12 13.3	09°19.0'W	37°39.3'N		±1.0			8	3.0		W. PONTA DO LADOIRO
1990-02-08	05 05 16.6	03°42.3'W	36°59.9'N	2	±0.7	±1	±2	28	3.1		PADUL.GR
1990-02-08	15 47 31.4	12°06.0'W	36°15.5'N	10	±1.2			5.0		II-III SD	ATLANTICO
1990-02-09	09 31 50.1	02°34.0'E	36°43.9'N	27	±0.8	±3	±5	85	4.7	S	W. ARGEL
1990-02-09	11 16 58.5	02°31.1'E	36°45.9'N	18	±0.8	±5	±6	48	4.0	RD	W. ARGEL
1990-02-09	11 20 01.8	02°33.3'E	36°44.5'N		±0.9	±6		38	3.7	R	W. ARGEL
1990-02-09	13 09 57.9	02°30.5'E	36°50.7'N	10	±0.9	±5	±6	53	3.7	RD	W. ARGEL
1990-02-09	13 19 33.4	02°34.1'E	36°48.1'N	17	±1.0	±6	±8	49	3.6	R	W. ARGEL
1990-02-11	18 23 12.5	04°58.0'W	35°57.9'N	18	±0.4	±3	±3	12	2.7		ESTRECHO DE GIBRALTAR
1990-02-11	20 13 01.2	00°08.5'W	43°03.7'N	2	±0.7	±2	±2	32	3.4	IV	ARTHEZ D'ASSON.FR
1990-02-14	02 14 05.7	02°33.6'E	36°34.7'N		±0.8	±7		15	3.4	R	W. ARGEL.ARG
1990-02-16	17 38 05.2	00°22.6'W	43°03.6'N	2	±0.8	±2	±2	26	3.0	III	VALLE D'OSSAU.FR
1990-02-16	23 34 52.8	04°49.8'W	36°55.3'N		±0.9	±3		26	2.9		N. ARDALES.MA
1990-02-17	15 23 23.8	02°30.2'E	36°49.3'N	9	±0.5	±5	±7	18	3.4	R	W. ARGEL
1990-02-18	16 23 18.7	02°32.6'E	36°53.2'N	9	±0.8	±6	±8	26	3.4	R	W. ARGEL
1990-02-18	19 03 37.9	09°04.8'W	39°11.0'N	7	±0.8	±2	±2	46	3.5	III-IV D	CADAVAL.PORT
1990-02-19	14 24 31.4	04°25.3'W	37°57.8'N	7	±0.3	±1	±1	16	2.9		PEDRO ABAD.CO
1990-02-19	16 54 47.5	04°00.3'W	37°13.0'N	2	±0.5	±1	±2	21	2.7		VILLANUEVA MESIA.GR
1990-02-20	23 56 43.1	11°27.6'W	35°15.8'N		±1.0	±6		21	3.0		ATLANTICO
1990-02-21	01 49 33.4	01°00.9'W	39°38.0'N		±0.7	±3		10	2.6		CHERA.V

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	MB	INT	LOCALIZACIÓN
1990-02-21	05 06 13.0	02°15.0'W	37°24.6'N	2	±0.6	±2	±2	41	3.2	IV	PARTALOA.AL
1990-02-21	13 25 44.2	01°38.5'W	37°51.6'N	8	±1.0	±5	±7	16	2.6		SIERRA ESPUÑA.MU
1990-02-21	15 24 34.4	09°16.6'W	36°12.1'N		±0.8	±3		41	3.3		SW. CABO S.VICENTE
1990-02-24	05 54 27.3	01°54.2'W	37°51.4'N		±1.0	±3		18	2.8		SIERRA DEL ALMIREZ.MU
1990-02-24	18 18 10.1	08°28.7'W	38°09.6'N	5	±0.6	±3	±4	15	3.3		GRANDOLA.PORT
1990-02-28	09 04 26.5	02°00.8'E	42°51.5'N	2	±0.6	±2	±2	22	3.0		PUIVERT.FR
1990-02-28	13 23 43.2	01°02.5'W	42°55.6'N	7	±0.9	±2	±2	67	3.6	IV-V	D VALLE DE SALAZAR.NA
1990-03-01	20 12 24.6	09°47.6'W	36°33.0'N		±0.6	±4		13	2.8		SW. CABO SAN VICENTE
1990-03-01	21 27 32.0	01°45.8'W	38°32.8'N	3	±0.9	±2	±3	27	3.2	D	HELLIN.AB
1990-03-01	23 01 16.1	05°42.0'E	39°55.9'N		±0.6	±3		37	3.5		MEDITERRANEO
1990-03-02	01 19 34.8	00°09.3'E	43°01.3'N	3	±0.6	±2	±3	22	2.8		BAGNERES DE BIGORRE.FR
1990-03-02	07 48 20.4	06°17.6'E	36°49.1'N	9	±0.6	±7	±8	32	3.6		EL MILIA.ARG
1990-03-02	23 15 25.3	01°57.2'W	42°11.6'N		±0.5			6	2.8		AUTOL.LO
1990-03-04	02 52 58.3	01°24.8'E	35°49.3'N		±0.9			11	3.4		AMMI MOUSSA.ARG
1990-03-05	04 37 08.3	07°38.3'W	36°31.3'N	31	±0.8	±2	±5	54	3.4		GOLFO DE CADIZ
1990-03-05	22 15 37.0	03°38.3'W	37°01.9'N		±0.7	±2		17	2.5		PADUL.GR
1990-03-06	02 44 10.9	02°01.2'W	37°19.8'N		±0.8			14	2.8		ZURGENA.AL
1990-03-08	01 37 12.9	03°32.6'W	36°54.7'N	627	±0.7	±6	±3	45	4.8	D	DURCAL.GR
1990-03-08	02 39 16.6	11°14.8'W	42°40.7'N		±0.6	±3		29	3.6		ATLANTICO
1990-03-09	01 09 53.2	04°16.5'W	36°56.8'N	43	±0.9	±3	±4	36	3.3	D	RIOGORDO.MA
1990-03-09	01 58 18.8	04°29.3'W	37°09.4'N	5	±1.0	±3	±4	24	2.9		VILLANUEVA ALGAIDAS.MA
1990-03-09	14 03 36.2	02°18.8'E	41°14.0'N		±0.5	±6		6	2.4		SE. BARCELONA
1990-03-09	20 58 08.1	10°23.9'W	39°12.2'N	23	±0.7	±4	±5	58	3.7	D	W. LISBOA
1990-03-11	08 28 30.4	02°36.5'E	36°48.1'N	22	±1.0	±6	±7	39	4.0		W. ARGEL
1990-03-13	09 20 51.2	03°43.8'W	35°00.8'N	16	±0.9	±3	±4	27	3.1		TAFERSITE.MAC
1990-03-13	14 58 22.0	00°02.8'W	43°07.2'N	2	±0.6	±2	±2	32	3.7	IV	LOURDES.FR
1990-03-15	18 46 03.7	01°21.4'E	37°26.1'N		±0.7	±3		32	3.1		MEDITERRANEO
1990-03-16	07 05 27.3	01°38.4'E	41°21.1'N	2	±0.5	±2	±2	23	3.0		VILLAFRANCA PENEDES.B
1990-03-16	18 23 59.3	07°13.6'W	37°04.5'N	3	±0.9	±2	±3	35	3.2	D	GOLFO DE CADIZ
1990-03-18	10 10 42.3	07°16.5'W	37°07.3'N		±0.8	±6		9	3.0	R	GOLFO DE CADIZ
1990-03-18	15 03 47.8	02°48.3'W	40°31.3'N	10	±0.3	±3	±7	8	2.6		AUÑON.GU
1990-03-19	00 38 27.6	00°22.0'W	43°02.3'N		±0.7	±6		12	2.5		VALLEE D'OSSAU.FR
1990-03-19	23 10 27.8	03°09.8'W	38°53.5'N		±0.6			9	2.5		W. ALHAMBRA.CR
1990-03-21	10 48 32.4	00°27.6'W	38°38.1'N	2	±0.6	±2	±2	21	2.9	II-III	D ALCOY.A
1990-03-22	18 27 18.4	03°08.1'W	36°24.9'N	14	±0.6	±3	±3	17	2.8		ALBORAN
1990-03-23	03 16 03.6	09°42.2'W	36°28.2'N		±0.9	±3		64	3.7	D	SW. CABO SAN VICENTE
1990-03-23	04 17 43.6	04°33.8'W	42°46.5'N	5	±0.9	±3	±5	20	3.2	III	D S. CERVERA PISUERGA.PA
1990-03-24	23 16 34.2	01°28.6'W	37°44.6'N	3	±0.8	±3	±3	23	3.0		TOTANA.MU
1990-03-27	00 02 43.9	04°28.2'W	43°05.0'N	5	±0.9	±3	±5	22	3.1	III	SIERRA PEÑA LABRA.S
1990-03-27	03 32 13.5	00°37.2'W	43°11.3'N	4	±0.9	±2	±2	51	3.4	IV	OLORON-STE-MARIE.FR
1990-03-27	10 41 10.7	00°38.2'W	43°07.3'N	4	±0.5	±1	±1	32	3.2	III	R OLORON-STE-MARIE.FR
1990-03-29	03 10 21.7	00°10.3'E	38°18.7'N	9	±0.9	±3	±3	53	3.6	II-III	SD E. ALICANTE
1990-03-31	16 58 49.4	04°44.3'W	35°21.2'N		±0.8	±4		22	2.9		N. JEBHA
1990-04-01	00 20 57.3	05°35.1'W	37°59.1'N	3	±0.9	±3	±3	24	3.2	II-III	D S.NICOLAS PUERTO.SE
1990-04-01	13 04 42.2	01°05.7'W	43°00.5'N	3	±0.5	±2	±3	12	2.5		SIERRA DE ABODI.NA
1990-04-01	19 13 33.8	01°25.6'W	43°09.4'N	15	±0.6	±2	±1	39	3.4	IV	D VALLE DE BAZTAN.NA
1990-04-02	01 10 44.5	01°25.7'W	43°06.2'N		±0.3	±4		14	2.4	R	VALLE DE BAZTAN.FR
1990-04-02	02 36 14.9	03°38.7'W	35°21.7'N	10	±1.0	±4	±7	16	2.9		NE. ALHUCEMAS
1990-04-04	04 50 55.6	01°27.4'W	43°11.8'N	3	±0.3	±3	±3	14	2.4	R	VALLE DE BAZTAN.NA
1990-04-06	10 07 57.4	05°14.8'W	36°35.9'N	12	±0.7	±3	±3	17	2.7		BENADALID.MA
1990-04-06	10 29 44.0	05°15.1'W	36°36.5'N	9	±0.8	±4	±4	17	2.5	R	BENADALID.MA
1990-04-06	21 54 07.2	00°13.8'E	38°23.3'N	9	±0.5	±8	±5	9	3.0	P	E. ALICANTE
1990-04-06	22 20 49.8	00°10.8'E	38°17.5'N	17	±0.6	±3	±3	17	3.3		E. ALICANTE
1990-04-07	11 13 44.3	00°45.0'W	43°04.0'N	3	±0.7	±2	±3	15	2.7		ARETTE.FR
1990-04-08	08 50 09.6	01°23.7'W	43°06.3'N		±0.4	±8		10	2.4	R	VALLE DE BAZTAN.FR
1990-04-09	01 17 11.0	03°41.5'W	36°22.0'N	3	±0.9	±2	±3	25	3.0	D	ALBORAN
1990-04-11	00 02 30.1	08°03.4'W	41°57.9'N	11	±0.8	±3	±6	12	3.1		SERRA LABOREIRA.OR
1990-04-11	10 30 45.7	07°08.4'W	42°19.8'N		±0.8				2.4		O BOLO.OR
1990-04-12	22 47 56.0	02°32.6'E	36°47.2'N	24	±0.8	±4	±6	70	4.1	SD	NE. CERCHELL
1990-04-13	00 19 06.3	02°30.2'E	36°44.1'N		±0.6			19	2.8	R	NE. CERCHELL

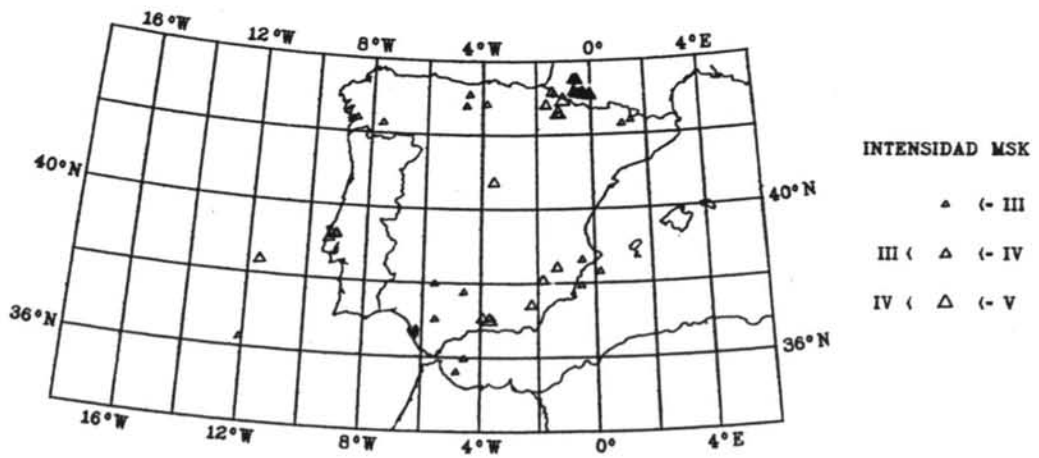
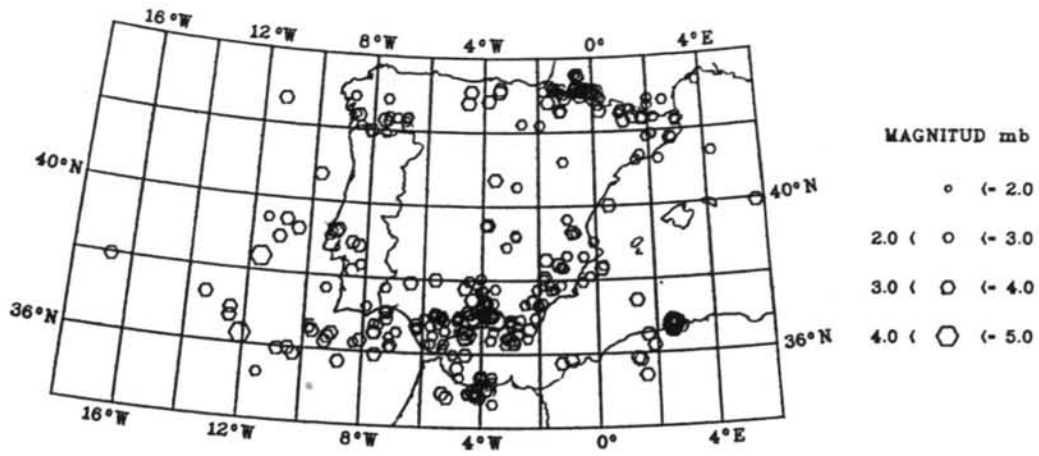
FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	MB	INT	LOCALIZACIÓN
1990-04-13	11 28 30.5	02°00.0'E	42°41.2'N	2	±0.2	±1	±2	24	2.8		ORLU.FR
1990-04-13	22 17 13.7	04°48.9'W	35°36.5'N	89	±0.9	±2	±5	81	3.9	II	SMD ALBORAN
1990-04-14	14 50 08.3	05°19.4'W	36°08.7'N	4	±0.8	±6	±4	17	2.9		E. GIBRALTAR
1990-04-15	00 39 31.5	02°34.3'E	36°38.8'N	30	±0.7	±5	±6	33	3.1	R	NE. CHERCHELL
1990-04-17	03 31 55.8	03°25.1'W	43°10.0'N	5	±0.9	±3	±3	28	3.2	D	MONTES ORDUNTE.S
1990-04-18	07 08 34.2	03°57.8'W	35°24.8'N	13	±0.8	±4	±7	16	2.8	P	ALHUCEMAS
1990-04-18	09 44 30.1	04°00.7'W	35°21.5'N	4	±0.9	±3	±4	59	3.7	D	ALHUCEMAS
1990-04-18	11 34 41.0	03°59.1'W	35°18.2'N	4	±0.9	±3	±4	31	3.1	RD	ALHUCEMAS
1990-04-18	13 23 58.7	04°02.3'W	35°21.7'N		±1.1	±9		8	2.9	R	ALHUCEMAS
1990-04-19	12 38 14.0	01°38.5'E	41°21.2'N	3	±0.3	±2	±2	12	2.9		VILAFRANCA PENEDES.B
1990-04-19	14 46 43.3	04°45.1'W	37°01.7'N	9	±0.9	±4	±4	17	2.7		CAMPILLOS.MA
1990-04-20	11 04 45.6	07°34.4'W	35°55.3'N		±1.1	±5		13	3.3		W. ESTRECHO GIBRALTAR
1990-04-21	09 47 50.8	07°32.2'W	41°55.8'N	10	±0.4	±2	±3	10	2.6		MONTERREI.OR
1990-04-21	22 25 03.5	01°21.8'E	42°35.5'N	9	±0.7	±2	±3	23	2.4		VALL FERRERA.L
1990-04-21	22 54 45.0	05°09.3'W	34°48.5'N		±0.8	±8		9	3.3		ZOUMI.MAC
1990-04-23	05 50 42.4	12°30.1'W	36°42.7'N		±0.9	±4		40	3.7		ATLANTICO
1990-04-24	00 43 27.1	07°14.1'W	37°04.9'N		±1.0			7	3.0		GOLFO DE CADIZ
1990-04-24	21 56 52.3	04°13.0'W	34°57.8'N		±0.7	±8		7	3.0		TARGUIST.MAC
1990-04-25	04 05 48.9	04°13.2'W	34°50.0'N	2	±1.1	±2	±2	8	2.7	R	TARGUIST.MAC
1990-04-26	14 47 48.2	00°17.5'E	42°54.2'N	2	±0.6	±1	±2	21	2.8		ARREAU.FR
1990-04-26	23 46 08.7	02°47.3'W	36°45.3'N		±0.4	±4		13	2.6		EL EJIDO.AL
1990-04-27	13 11 39.5	01°36.3'W	37°43.2'N	6	±0.9	±5	±5	15	2.8		LORCA.MU
1990-04-27	14 19 11.4	07°13.7'W	36°54.7'N	21	±0.5	±1	±1	41	3.2	D	GOLFO DE CADIZ
1990-04-29	11 35 50.9	03°48.5'W	35°00.7'N		±0.6	±4		8	2.7		BOUDINAR.MAC
1990-04-30	01 08 28.5	03°40.8'W	37°10.9'N		±0.6	±2		17	2.5		SANTA FE.GR
1990-05-02	16 40 26.9	04°31.3'W	36°31.9'N	95	±0.8	±2	±3	83	4.2	MD	E. FUENGIROLA
1990-05-03	19 45 02.2	05°10.5'W	31°50.8'N		±0.8	±6		13	4.0		ASSOUL.MAC
1990-05-04	12 18 27.1	06°45.6'W	42°21.8'N	10	±0.2	±2	±3	10	2.9		SERRA DO EIXE
1990-05-04	21 00 45.7	07°04.4'W	36°11.2'N	30	±0.5	±2	±4	58	3.4	D	W. ESTRECHO GIBRALTAR
1990-05-09	06 37 09.4	03°36.8'W	37°02.3'N	2	±0.7	±1	±2	36	3.1	III	D DILAR.GR
1990-05-10	19 49 04.1	09°44.9'W	40°42.5'N	17	±0.6	±5	±7	25	3.2		W. PORTO
1990-05-11	07 51 25.2	13°21.7'W	37°17.3'N		±0.8			23	3.6		ATLANTICO
1990-05-11	11 10 50.1	03°35.9'W	37°22.4'N	3	±0.6	±2	±3	15	2.5		IZNALLOZ.GR
1990-05-12	08 53 03.4	08°29.8'W	38°54.6'N	4	±0.8	±3	±4	24	3.1		CORUCHE.PORT
1990-05-12	19 33 21.7	02°46.4'E	41°45.8'N	2	±0.8	±2	±2	32	3.1		VIDRIERES.GE
1990-05-13	14 14 10.9	05°39.3'W	36°28.5'N	4	±0.8	±3	±4	13	2.5		ALCALA LOS GAZULES.CA
1990-05-14	11 01 00.2	06°48.5'W	42°20.1'N	1	±0.4	±2	±1	12	2.6		SERRA DO EIXE.OR
1990-05-15	23 32 18.7	04°16.4'W	34°58.2'N	5	±0.8	±2	±4	39	3.5		TARGUIST.MAC
1990-05-15	23 41 23.8	04°13.9'W	34°54.1'N		±0.4	±4		7	2.9	R	TARGUIST.MAC
1990-05-16	00 16 24.3	00°49.3'W	43°04.3'N		±0.8	±2		10	1.4		MONTORY.FR
1990-05-16	00 58 50.0	04°05.6'W	34°51.9'N		±0.7	±4		9	3.3		BOURED.MAC
1990-05-16	13 25 29.8	04°26.7'W	34°53.0'N		±0.8	±6		10	3.0	R	TARGUIST.MAC
1990-05-16	20 20 47.3	02°45.2'W	36°32.1'N	3	±0.6	±3	±3	19	3.0		SE. ADRA
1990-05-17	18 50 18.8	07°08.4'W	42°20.3'N	10	±0.6	±6	±3	8	2.5		O BOLO.OR
1990-05-18	06 23 05.9	02°30.5'W	37°20.3'N		±0.7	±5		15	3.0		SERON.AL
1990-05-18	23 40 30.4	08°42.9'W	42°52.3'N	10	±0.3	±4	±2	8	2.9		NEGREIRA.C
1990-05-19	20 35 30.8	01°30.0'E	41°13.1'N	2	±0.8	±2	±2	24	2.9		VENDRELL.T
1990-05-22	13 31 01.0	10°17.7'W	35°49.6'N		±0.5	±4		15	3.1		SW. CABO S.VICENTE
1990-05-23	22 52 01.2	01°15.0'W	35°44.9'N		±0.9	±3		64	3.7	D	N. CABO FIGALO
1990-05-24	00 07 20.2	05°29.1'W	36°47.1'N		±0.8	±3		15	2.6		EL BOSQUE.CA
1990-05-25	01 42 28.8	00°55.4'W	35°49.1'N		±1.0	±7		19	3.1		NW. ORAN
1990-05-26	09 21 08.7	11°37.0'W	38°22.2'N	27	±0.7	±4	±7	85	4.7	III-IV	SD ATLANTICO
1990-05-28	18 45 44.1	04°07.7'W	37°50.1'N	6	±0.5	±2	±3	16	2.9		PORCUNA.J
1990-05-29	22 20 22.2	00°59.4'E	42°34.4'N	2	±0.7	±1	±2	22	2.7		VALL DE BOI.L
1990-05-31	16 13 56.7	07°04.8'W	36°07.8'N		±0.8	±5		21	3.0		W. ESTRECHO GIBRALTAR
1990-06-02	14 43 18.8	01°49.1'W	43°06.2'N	7	±0.6	±4	±2	17	2.8		EZCURRA.NA
1990-06-03	08 52 22.4	10°49.1'W	39°25.8'N	30	±0.8	±6	±9	37	3.2		ATLANTICO
1990-06-03	17 26 20.6	04°23.8'W	37°02.9'N		±0.9	±7		9	2.4		VILLANUEVA TRABUCO.MA
1990-06-06	11 27 25.6	03°48.7'W	37°21.5'N	15	±0.4	±2	±2	13	2.6	P	MOCLIN.GR
1990-06-06	18 05 14.1	03°48.3'W	37°21.9'N	13	±0.4	±2	±2	13	2.6	P	MOCLIN.GR

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	MB	INT	LOCALIZACIÓN
1990-06-06	18 08 27.2	03°48.4'W	37°21.7'N	16	±0.4	±3	±5	10	2.2	P	MOCLIN.GR
1990-06-06	18 53 14.7	03°47.8'W	37°23.0'N		±0.5	±4		9	2.2	P	MOCLIN.GR
1990-06-06	23 34 35.0	03°51.1'W	37°22.3'N	9	±0.6	±3	±4	13	2.5	P	MOCLIN.GR
1990-06-07	01 38 02.8	03°49.9'W	37°21.5'N	10	±0.5	±2	±2	17	2.8	P	MOCLIN.GR
1990-06-07	03 41 18.8	03°46.9'W	37°22.4'N	15	±0.5	±3	±6	9	2.0	P	MOCLIN.GR
1990-06-07	05 10 42.0	03°47.8'W	37°22.5'N	10	±0.6	±4	±6	10	2.1	P	MOCLIN.GR
1990-06-07	10 11 49.6	03°47.4'W	37°22.5'N	12	±0.9	±3	±3	19	2.8	P	MOCLIN.GR
1990-06-07	14 04 46.1	02°05.2'W	37°44.6'N		±0.8	±4		13	2.7		VELEZ BLANCO.AL
1990-06-08	06 28 59.8	03°49.0'W	37°21.6'N	14	±0.7	±3	±4	12	2.3	P	MOCLIN.GR
1990-06-08	07 48 59.5	03°48.8'W	37°22.5'N	5	±0.6	±3	±4	11	2.3	P	MOCLIN.GR
1990-06-08	11 45 30.2	10°50.7'W	35°55.7'N	28	±0.9	±7	±9	16	3.1		ATLANTICO
1990-06-08	11 57 12.8	03°49.4'W	37°21.5'N	10	±0.5	±2	±4	10	2.3	P	MOCLIN.GR
1990-06-08	12 54 48.7	03°49.5'W	37°23.4'N	13	±0.8	±2	±2	31	2.9	P	MOCLIN.GR
1990-06-08	16 22 04.8	03°48.2'W	37°22.5'N	5	±0.7	±3	±4	12	2.5	P	MOCLIN.GR
1990-06-08	21 14 23.3	03°50.6'W	37°22.6'N		±0.7	±3		12	2.5	P	MOCLIN.GR
1990-06-09	00 53 33.8	03°03.5'W	36°24.0'N		±1.0	±3		20	3.1		MAR DE ALBORAN
1990-06-09	02 23 53.4	03°49.6'W	37°21.5'N	8	±0.7	±4	±4	11	2.4	P	MOCLIN.GR
1990-06-09	02 49 55.0	03°49.0'W	37°21.0'N	13	±0.6	±2	±2	17	3.0	P	MOCLIN.GR
1990-06-09	15 07 32.5	03°49.8'W	37°23.6'N	10	±0.7	±2	±2	24	3.1		MOCLIN.GR
1990-06-11	01 11 22.5	00°11.2'E	42°42.6'N	3	±0.8	±2	±3	19	2.9		VALLE DE BIELSA.HU
1990-06-12	11 13 00.6	03°55.2'W	37°33.1'N	5	±0.4	±1	±2	15	2.9		CASTILLO DE LOCUBIN.J
1990-06-12	13 09 53.9	10°28.9'W	35°58.3'N		±0.8	±3		46	3.5		SW. CABO S. VICENTE
1990-06-12	18 48 57.2	00°18.5'W	43°10.0'N	2	±0.7	±2	±2	47	4.0	IV D	ASSON.FR
1990-06-15	04 42 52.8	01°47.5'E	42°20.9'N	3	±0.6	±1	±2	37	3.3		LA Cerdanya.L
1990-06-15	10 37 20.9	00°22.0'W	43°07.0'N	2	±0.8	±2	±2	22	3.0	III	VALLEE D'OSSAU.FR
1990-06-15	19 24 46.0	00°21.2'W	43°08.1'N	2	±0.8	±2	±2	19	2.9	III R	VALLEE D'OSSAU.FR
1990-06-17	08 27 08.1	00°12.3'E	42°57.1'N		±0.9	±3		17	3.0		GRIPP.FR
1990-06-19	06 41 03.3	00°30.2'W	37°56.4'N		±1.0			13	3.0	II-III S	E. TORREVIEJA
1990-06-19	21 48 11.8	01°39.3'W	42°48.2'N	3	±0.6	±2	±2	41	3.4	IV D	PAMPLONA.NA
1990-06-20	07 31 29.7	03°53.4'W	35°15.0'N	10	±1.0	±4	±7	19	3.0	P	AL HOCEIMA.MAC
1990-06-20	08 05 24.6	03°42.6'W	35°11.6'N	18	±1.0	±4	±5	39	3.3		SE. AL HOCEIMA.MAC
1990-06-21	06 47 04.8	09°48.3'W	36°31.3'N		±0.9			11	3.0		SW. CABO S.VICENTE
1990-06-23	06 02 38.7	04°05.2'W	37°53.7'N	9	±0.6	±2	±2	28	2.9	D	ARJONA.J
1990-06-23	14 49 30.1	07°27.9'W	42°14.5'N		±0.5	±8		8	2.9		MONTADERRAMO.OR
1990-06-25	01 19 59.5	06°47.5'W	42°06.8'N	4	±0.7	±5	±4	10	2.6		SIERRA SEGUNDERA.ZA
1990-06-25	06 34 52.1	00°09.5'E	43°05.2'N	3	±0.7	±2	±3	26	3.2		BAGNERES DE BIGORRE.FR
1990-06-27	04 08 00.9	02°05.8'E	41°54.3'N	4	±0.7	±2	±4	15	2.9		W. VIC.B
1990-06-27	04 16 28.1	02°04.9'E	41°55.1'N	3	±0.4	±1	±3	21	2.6	R	W. VIC.B
1990-06-27	09 06 09.8	06°13.2'W	36°37.7'N	5	±0.6	±3	±3	14	2.9	II-III	PTO. SANTA MARIA.CA
1990-06-28	01 00 40.2	04°04.5'W	37°06.6'N		±0.4	±3		11	2.4		LOJA.GR
1990-06-28	02 38 43.4	00°13.8'E	42°33.7'N	3	±0.9	±2	±3	25	3.2		SALINAS.HU
1990-06-28	23 38 26.2	00°42.5'W	39°15.7'N		±0.7	±4		10	2.7		E. MILLARES.V
1990-06-29	11 28 17.7	02°20.7'W	36°40.1'N		±0.7	±6		11	3.1		SW. CABO DE GATA
1990-06-30	02 52 11.9	03°57.3'W	36°58.9'N	27	±0.6	±3	±2	16	2.6		ARENAS DEL REY.GR
1990-07-01	23 24 05.5	03°47.6'W	37°06.4'N	2	±0.7	±1	±2	30	2.8		VENTAS HUELMA.GR
1990-07-03	03 32 26.9	04°28.1'W	34°56.5'N		±1.0	±5		12	2.9		TARGUIST.MAC
1990-07-03	10 22 14.1	03°01.4'W	36°51.1'N	10	±0.5	±4	±5	13	2.3		BERJA.AL
1990-07-06	00 29 05.2	06°11.5'W	36°37.4'N		±0.7	±4		10	2.5		PUERTO STA.MARIA.CA
1990-07-07	23 30 17.7	03°34.5'W	40°42.5'N	2	±0.8	±2	±2	32	3.3	III-IV D	S.AGUSTIN GUADALIX.M
1990-07-09	20 42 21.4	02°12.1'E	42°21.4'N		±0.8	±4		13	2.4		RIBES DE FRESER.GE
1990-07-10	08 23 22.7	09°17.7'W	39°05.0'N	28	±0.6	±5	±3	16	3.0	III-IV	MONTEJUNTO.PORT
1990-07-10	08 59 12.3	09°14.1'W	39°11.2'N	9	±0.6	±6	±5	15	3.0	III-IV R	MONTEJUNTO.PORT
1990-07-11	00 42 27.4	01°53.8'W	37°22.3'N		±0.9			18	2.9		HUERCAL-OVERA.AL
1990-07-12	09 29 45.8	00°09.9'W	43°04.6'N	3	±0.5	±3	±3	11	2.7		ARTHEZ D'ASSON.FR
1990-07-14	09 24 49.0	02°49.6'E	41°45.5'N	2	±0.7	±3	±2	21	2.7		VIDRIERES.GE
1990-07-15	16 59 51.4	02°25.0'W	36°25.0'N	3	±0.8	±5	±3	16	2.8		ALBORAN
1990-07-18	19 15 50.1	06°12.1'W	36°45.2'N	2	±0.8	±2	±2	39	3.5	III D	JEREZ.CA
1990-07-19	00 16 08.0	04°08.8'W	37°06.4'N	23	±0.5	±9	±9	10	2.4		LOJA.GR
1990-07-19	05 10 39.4	06°13.0'W	36°41.5'N	3	±1.1	±4	±3	18	2.9	II-III R	JEREZ.CA
1990-07-20	17 23 47.5	00°33.3'W	43°08.4'N	11	±0.3	±3	±3	10	2.0		SARRANCE.FR

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	MB	INT	LOCALIZACIÓN	
1990-07-22	03 24 36.6	00°22.0'W	43°08.1'N	2	±0.7	±2	±2	39	3.5	IV	D	BIELLE.FR
1990-07-22	03 35 08.1	00°22.7'W	43°05.2'N	2	±0.8	±2	±2	26	3.0	III	R	BIELLE.FR
1990-07-22	04 26 28.8	00°22.7'W	43°06.2'N	2	±0.7	±1	±2	21	2.7	II-III	R	BIELLE.FR
1990-07-23	15 11 24.4	00°20.3'W	43°05.0'N	9	±0.1	±1	±1	12	2.7		R	BIELLE.FR
1990-07-24	03 57 31.8	04°04.3'W	34°48.4'N	9	±1.0	±3	±5	36	3.3			TAYNAST.MAC
1990-07-24	20 28 55.4	00°33.6'W	43°07.8'N	2	±0.8	±2	±2	44	3.4	IV	D	SARRANCE.FR
1990-07-25	20 19 03.9	00°37.2'W	43°06.7'N	1	±0.6	±1	±1	14	2.7		R	SARRANCE.FR
1990-07-26	07 19 13.5	08°32.6'W	42°22.6'N	9	±0.6	±4	±4	11	3.1	II-III		REDONDELA.PO
1990-07-26	16 06 32.2	02°51.4'E	41°46.6'N	3	±0.7	±3	±3	19	2.5			VIDRIERES.GE
1990-07-26	16 26 00.5	01°11.4'W	42°32.9'N	4	±0.6	±3	±3	18	3.0	II	P	JAVIER.NA
1990-07-26	16 29 35.5	01°12.2'W	42°34.6'N	6	±0.8	±1	±2	63	3.6	IV-V	D	JAVIER.NA
1990-07-26	18 13 18.4	02°44.6'E	36°47.7'N		±0.8	±8		29	3.7			W. ARGEL
1990-07-26	22 37 05.7	04°34.3'W	37°45.8'N	2	±0.7	±2	±2	32	3.1	II-III	D	SANTA CRUZ.CO
1990-07-28	13 56 51.6	02°48.6'E	36°40.8'N	22	±0.8	±6	±4	24	3.3			W. ARGEL.ARG
1990-07-29	00 34 21.8	08°39.9'W	42°23.2'N	22	±0.4	±7	±5	8	2.7		R	NW. REDONDELA.PO
1990-07-31	05 10 45.5	03°38.0'W	34°38.2'N		±0.7	±7		9	2.9			NEKHILA.MAC
1990-07-31	19 51 03.2	09°04.1'W	36°26.4'N	24	±0.9	±3	±5	47	3.2			S. CABO SAN VICENTE
1990-08-03	09 59 56.7	03°10.7'W	36°26.3'N		±0.5	±5		16	2.8			ALBORAN
1990-08-05	21 32 27.0	01°06.0'E	42°17.0'N	1	±0.5	±1	±1	49	3.4	II	D	SERRA DEL BOUMORT.L
1990-08-07	17 14 22.7	07°54.5'W	37°13.2'N	11	±0.4	±2	±2	18	3.0			BARRANCO VELHO.PORT
1990-08-09	18 26 48.1	02°25.8'E	36°45.9'N	18	±0.9	±7	±9	36	3.7			NE. CHERCHELL
1990-08-12	11 41 52.3	03°50.8'E	43°17.3'N		±0.6	±4		13	2.9			SE. SETE
1990-08-12	23 38 13.1	01°38.4'E	41°21.3'N	2	±0.4	±2	±2	16	2.7			VILAFRANCA PENEDES.B
1990-08-13	01 45 50.3	05°18.8'W	34°55.3'N	90	±0.8	±4	±5	30	3.5			ANKOD.MAC
1990-08-13	15 39 54.8	05°16.9'W	36°15.3'N		±0.9	±4		9	2.7			NE. SAN ROQUE
1990-08-13	19 06 11.9	00°34.7'W	43°02.8'N	3	±0.3	±1	±3	14	2.6		P	BIELLE.FR
1990-08-13	19 12 46.2	00°32.7'W	43°09.1'N	2	±0.9	±2	±2	37	3.5	III	D	BIELLE.FR
1990-08-14	00 22 45.0	02°54.2'W	36°20.7'N	3	±0.8	±2	±3	26	3.0		P	ALBORAN
1990-08-14	12 37 44.6	08°26.4'W	42°05.3'N	3	±0.3	±3	±3	8	2.9			AS NEVES.PO
1990-08-14	15 54 49.7	02°53.7'W	36°17.6'N	2	±0.8	±2	±2	37	3.5		PD	ALBORAN
1990-08-15	16 56 45.6	02°53.6'W	36°18.1'N	2	±0.9	±2	±2	52	3.9		D	ALBORAN
1990-08-16	11 57 46.9	02°54.8'W	36°18.8'N	2	±0.8	±2	±2	32	3.4		R	ALBORAN
1990-08-18	18 17 08.5	16°25.2'W	32°04.3'N		±0.8	±4		22	4.0	III-IV	S	S. MADEIRA
1990-08-19	23 29 32.3	04°19.2'W	37°27.8'N	20	±0.5	±1	±2	22	3.1			CARCABUEY.CO
1990-08-20	04 16 52.0	01°47.1'E	42°20.0'N	6	±0.2	±1	±1	20	2.6			LA Cerdanya.L
1990-08-20	12 22 33.7	00°28.1'E	40°00.2'N	10	±0.7	±2	±3	26	3.1		D	E. CASTELLON
1990-08-21	16 58 32.9	01°13.8'W	38°20.5'N		±0.7	±3		15	2.7			SE. JUMILLA.MU
1990-08-26	08 39 38.7	00°23.4'W	43°08.7'N	2	±0.6	±2	±2	17	2.8			ARUDY.FR
1990-08-26	22 49 30.4	03°32.6'W	37°45.3'N	29	±0.1	±3	±3	6	2.5			TORRES.J
1990-08-27	00 18 42.0	07°28.2'W	36°44.4'N	26	±0.8	±5	±5	30	2.8			GOLFO DE CADIZ
1990-08-27	13 08 35.1	05°44.3'W	36°44.5'N	3	±0.7	±2	±3	24	2.9			ARCOS LA FRONTERA.CA
1990-08-28	22 20 27.2	11°01.8'W	38°56.5'N		±0.8	±4		33	3.1			ATLANTICO
1990-08-29	18 38 43.3	05°44.2'W	36°15.6'N	4	±0.7	±8	±4	11	2.7			E. VEJER FRONTERA.CA
1990-08-31	08 35 03.2	07°36.1'W	36°30.4'N		±0.9	±3		33	3.2			GOLFO DE CADIZ
1990-09-01	06 32 21.2	00°29.5'W	43°07.5'N	2	±0.4	±1	±2	16	2.7			OLORON.FR
1990-09-01	06 57 17.4	00°29.5'W	43°06.7'N	3	±0.8	±1	±3	17	2.6		R	OLORON.FR
1990-09-02	01 26 57.5	07°26.4'W	42°22.3'N	10	±0.4	±2	±2	11	2.9			CASTRO CALDELAS.OR
1990-09-04	19 16 48.9	00°38.4'W	43°30.3'N	2	±0.6	±2	±2	30	3.0	IV		ARTHEZ DE BEARN.FR
1990-09-06	06 44 14.3	03°26.5'W	43°05.1'N	18	±0.6	±2	±3	20	3.4		D	MONTES ORDUNTE.BU
1990-09-07	09 14 57.5	08°47.9'W	35°41.4'N		±0.7	±4		18	3.1			S. CABO SAN VICENTE
1990-09-14	04 10 30.4	05°57.1'W	36°55.1'N	2	±0.9	±2	±2	16	2.6			E. LEBRIJA.SE
1990-09-14	15 07 19.7	04°25.6'W	36°35.4'N	87	±0.6	±4	±3	24	2.8			S. MALAGA
1990-09-15	16 40 10.8	09°02.3'W	39°12.5'N		±0.7	±4		16	2.9	III-IV		MONTEJUNTO.PORT
1990-09-16	05 07 54.5	00°13.5'W	43°06.1'N	2	±0.6	±2	±2	22	2.9	III-IV		ARTHEZ D'ASSON.FR
1990-09-16	15 44 08.8	01°50.8'W	38°00.7'N	4	±0.9	±3	±4	16	2.8		P	CARAVACA LA CRUZ.MU
1990-09-17	00 55 10.2	01°49.5'W	38°04.1'N	3	±0.9	±2	±3	61	3.6	IV	D	CARAVACA LA CRUZ.MU
1990-09-21	07 55 13.1	00°09.9'W	42°59.3'N	3	±0.7	±2	±3	16	2.8			ARGELES.FR
1990-09-22	10 51 00.5	08°10.7'W	38°19.7'N	8	±0.5	±3	±3	15	3.0			ALCACOVAS.PORT
1990-09-23	21 40 40.1	07°16.9'W	37°44.4'N	6	±0.6	±6	±5	12	3.0			PAYMAGO.H
1990-09-24	05 25 52.6	01°55.4'E	41°50.2'N	2	±0.3	±1	±2	92	2.9			SALLENT.B

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	MB	INT	LOCALIZACIÓN	
1990-09-24	08 12 05.4	06°09.1'W	36°39.4'N		±0.3	±4		7	2.6	P	JEREZ.CA	
1990-09-24	09 45 39.5	06°10.2'W	36°39.8'N		±0.6	±4		11	2.7		JEREZ.CA	
1990-09-26	06 47 26.3	00°30.4'W	43°28.3'N	2	±0.7	±3	±2	22	3.0	III-IV	ARTIX.FR	
1990-09-27	03 31 29.8	01°35.8'E	35°24.0'N		±0.9			14	3.2		W. BENI SAF	
1990-09-28	02 07 59.0	04°32.7'W	35°57.7'N	113	±0.9	±2	±3	77	3.7	II-III SD	E. ESTRECHO GIBRALTAR	
1990-09-28	03 51 42.2	04°11.5'W	37°08.2'N	3	±0.9	±2	±3	29	2.9		LOJA.GR	
1990-09-28	08 05 17.1	00°36.7'W	43°05.9'N	5	±0.1	±1	±2	8	2.6		ARETTE.FR	
1990-09-29	13 38 22.3	00°58.8'E	42°28.9'N	2	±0.6	±1	±2	24	3.0		VALL FOSCA.L	
1990-10-01	01 51 50.3	03°01.1'W	36°52.7'N	3	±0.9	±3	±3	33	3.1		BERJA.AL	
1990-10-02	00 22 44.3	00°27.8'W	43°07.1'N	5	±0.4	±2	±3	13	2.5		ARUDY.FR	
1990-10-02	15 30 04.6	00°14.9'W	38°05.5'N	9	±0.9	±4	±3	21	3.0		SE. ALICANTE	
1990-10-02	20 45 20.3	00°33.6'W	43°32.3'N	3	±0.8	±3	±3	25	3.3	III	ORTHEZ.FR	
1990-10-03	18 02 48.9	00°22.9'W	43°04.3'N	3	±0.6	±2	±3	20	2.9	III	CASTET.FR	
1990-10-06	05 18 30.9	07°29.5'W	42°50.7'N		±0.6	±2		11	2.9		LANCARA.LU	
1990-10-07	11 05 09.7	03°49.5'W	39°29.4'N	4	±0.8	±2	±3	29	3.1		S. LOS YEBENES.TO	
1990-10-08	08 01 01.9	04°27.3'W	36°38.1'N	102	±0.6	±3	±3	26	3.0		S. MALAGA	
1990-10-09	06 33 54.8	00°40.4'W	43°33.3'N	3	±0.9	±3	±3	17	2.6		ORTHEZ.FR	
1990-10-10	08 21 44.3	04°44.9'W	36°37.7'N	63	±0.2	±2	±6	8	2.5		COIN.MA	
1990-10-11	08 28 45.9	03°31.9'W	37°05.6'N		±0.5	±2		20	2.8		ZUBIA.GR	
1990-10-11	10 20 46.0	03°02.2'W	36°47.0'N	3	±0.4	±2	±3	20	2.8		ADRA.AL	
1990-10-11	21 06 28.5	03°51.4'W	39°29.3'N	9	±0.4	±3	±4	10	2.5	R	S. LOS YEBENES.TO	
1990-10-12	00 24 10.6	03°51.8'W	39°28.5'N	9	±0.5	±3	±6	10	2.4	R	S. LOS YEBENES.TO	
1990-10-13	06 49 52.9	00°23.4'W	43°17.0'N		±0.6	±4		15	2.6		PAU.FR	
1990-10-14	16 02 50.7	03°41.1'W	37°01.3'N	2	±0.6	±1	±2	26	2.8		PADUL.GR	
1990-10-14	19 53 50.2	00°13.3'W	43°06.0'N	2	±0.6	±2	±2	13	2.6		ARTHEZ-D'ASSON.FR	
1990-10-16	00 25 27.0	05°30.7'W	37°03.3'N		±0.5	±3		14	2.3		MONTELLANO.SE	
1990-10-16	14 25 30.7	00°00.6'E	43°03.5'N	3	±0.6	±2	±2	42	3.6	IV	D	LOURDES.FR
1990-10-16	21 07 41.6	00°00.2'E	43°04.5'N	2	±0.5	±2	±2	28	3.0	III	R	LOURDES.FR
1990-10-17	21 12 31.3	00°40.0'W	43°05.2'N	12	±0.3	±3	±2	10	2.4		ARETTE.FR	
1990-10-17	22 06 49.7	02°09.5'W	36°58.3'N	2	±0.7	±4	±2	19	2.7		NIJAR.AL	
1990-10-18	01 19 53.1	01°26.0'E	42°22.8'N	2	±0.5	±1	±1	38	3.2	II-III		SEO DE URGEL.L
1990-10-22	01 12 42.4	02°37.9'W	42°13.9'N	17	±0.8	±5	±5	17	3.0			TIERRA DE CAMEROS.LO
1990-10-25	01 37 18.1	03°58.2'W	35°09.5'N	10	±0.9	±3	±5	36	3.2			ÁL HOCEIMA.MAC
1990-10-25	09 55 31.5	02°51.2'W	36°22.6'N	10	±0.8	±6	±5	14	2.7			ALBORAN
1990-10-25	11 27 58.0	05°53.9'W	36°14.0'N	5	±0.4	±3	±3	9	2.8			BARBATE.CA
1990-10-25	19 03 06.6	02°33.4'E	42°48.2'N	3	±0.3	±1	±3	17	2.6			ST. PAUL FENOUILLET.FR
1990-10-26	08 56 54.3	01°00.2'E	42°32.5'N	3	±0.4	±2	±3	19	2.7			VALL DE BOI.L
1990-10-26	15 11 45.8	01°09.0'W	43°10.0'N	12	±0.3	±5	±4	10	2.1			ST. JEAN-LE-VIEUX.FR
1990-10-27	06 45 04.0	02°59.5'W	36°53.6'N		±0.5	±4		13	2.4			BERJA.AL
1990-10-27	23 59 27.7	04°14.4'E	41°21.9'N		±0.9	±4		17	2.9			E. BARCELONA
1990-10-28	07 33 43.7	03°58.3'W	37°03.1'N		±0.5	±2		16	2.4			ALHAMA DE GRANADA.GR
1990-10-28	13 49 39.9	04°00.2'W	36°53.1'N	66	±0.6	±3	±3	26	2.7			SIERRA DE ALMIJARA.MA
1990-10-31	05 11 16.5	07°29.1'W	42°49.7'N		±0.3	±1		8	2.7			LANCARA.LU
1990-10-31	06 46 47.6	00°32.5'W	43°28.3'N	4	±0.8	±2	±2	44	3.4	III	D	ORTHEZ.FR
1990-10-31	19 30 37.5	00°02.6'E	43°01.9'N		±0.8	±5		14	2.8			LOURDES.FR
1990-11-01	03 16 42.5	09°11.9'W	36°20.7'N	25	±0.7	±3	±6	58	3.5		D	S. CABO SAN VICENTE
1990-11-01	06 26 50.2	02°01.4'W	37°16.6'N	19	±0.5	±8	±7	15	2.7			W. VERA.AL
1990-11-02	21 25 27.0	00°31.0'W	43°07.9'N	2	±0.6	±2	±2	43	3.7	IV	D	ARUDY.FR
1990-11-03	13 53 25.4	01°19.8'W	38°25.1'N	2	±0.8	±2	±2	61	3.8	IV	D	JUMILLA.MU
1990-11-05	20 09 41.9	08°05.7'W	36°17.2'N		±0.8	±3		40	3.1			SE. CABO SAN VICENTE
1990-11-06	07 07 54.5	00°39.7'W	43°34.6'N	2	±0.4	±2	±2	18	2.8			ORTHEZ.FR
1990-11-07	07 25 02.2	03°42.0'W	36°59.3'N	2	±0.6	±1	±1	68	4.0	V	MD	W. PADUL.GR
1990-11-09	00 21 33.7	03°11.5'W	36°15.4'N	10	±0.6	±5	±6	15	2.6			ALBORAN
1990-11-09	02 26 14.3	02°41.0'W	36°55.5'N	17	±0.2	±2	±1	11	2.4			SIERRA DE GADOR.AL
1990-11-09	07 25 47.9	00°41.0'W	43°05.7'N	7	±0.5	±2	±1	18	1.7			ARETTE.FR
1990-11-10	01 21 54.5	03°41.9'W	37°00.4'N	6	±0.4	±1	±2	25	2.7		R	W. PADUL.GR
1990-11-10	01 52 35.8	06°52.0'W	42°14.4'N		±0.5	±3		13	2.9			SERRA DO EIXE.OR
1990-11-10	04 55 29.7	00°33.9'W	43°27.4'N	2	±0.8	±2	±2	26	2.9	III		ORTHEZ.FR
1990-11-11	09 25 02.2	06°53.0'W	36°32.5'N		±0.7			20	2.7			GOLFO DE CADIZ
1990-11-11	15 06 51.2	01°06.6'E	42°16.2'N	2	±0.8	±1	±2	36	3.1		D	POBLA DE SEGUR.L

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	MB	INT	LOCALIZACIÓN	
1990-11-12	09 33 46.4	00°22.7'W	43°05.8'N	2	±0.7	±1	±1	26	2.5		ARUDY.FR	
1990-11-13	07 11 52.3	03°00.7'E	42°13.5'N	2	±0.7	±2	±2	24	2.7		FIGUERES.GE	
1990-11-14	20 30 17.3	03°50.3'W	42°50.0'N	21	±0.9	±2	±4	39	3.4	III	D	VALDERREDIBLE.S
1990-11-15	06 58 53.1	01°02.4'W	38°39.1'N	6	±0.6	±3	±4	13	2.9			CAUDETE.AB
1990-11-15	21 24 39.5	08°18.1'W	36°13.3'N		±0.6	±4		19	2.8			S. CABO SAN VICENTE
1990-11-17	16 59 25.5	16°42.5'W	37°56.8'N		±0.9			22	3.7			ATLANTICO
1990-11-18	15 26 11.4	04°35.1'W	36°24.7'N	85	±0.8	±2	±3	53	3.4		D	S. MALAGA
1990-11-18	16 33 09.2	12°29.4'W	36°55.9'N		±0.8			55	3.7		D	ATLANTICO
1990-11-20	01 14 03.0	07°06.6'W	36°24.1'N		±0.8	±4		18	2.9			GOLFO DE CADIZ
1990-11-20	09 52 28.7	02°58.8'E	42°16.3'N		±0.8	±9		8	2.7			FIGUERES.GE
1990-11-22	04 33 14.1	07°36.5'W	42°16.5'N	16	±0.5	±2	±2	27	3.6	II-III	D	MACEDA.OR
1990-11-22	16 08 31.1	00°05.8'W	39°01.6'N	4	±0.9	±4	±4	11	2.7			E. GANDIA
1990-11-26	07 10 33.5	03°54.0'W	37°18.2'N	14	±0.8	±2	±2	32	2.9			MONTEFRIO.GR
1990-11-26	13 55 52.9	00°48.2'W	43°04.6'N	6	±0.6	±2	±1	25	3.0			ARETTE.FR
1990-11-30	21 52 11.9	02°50.9'W	39°13.1'N	2	±0.4	±2	±2	16	3.0		D	SOCUELLAMOS.CR
1990-12-01	19 19 01.4	05°35.0'W	37°06.2'N	2	±0.5	±1	±1	26	2.7			EL CORONIL.SE
1990-12-03	08 27 11.5	02°49.9'W	39°10.1'N	9	±0.7	±3	±6	15	3.0		D	SOCUELLAMOS.CR
1990-12-10	15 41 27.0	02°03.5'W	37°20.5'N	2	±0.3	±2	±2	13	2.9			ARBOLEAS.AL
1990-12-15	18 33 35.6	09°47.9'W	36°35.8'N		±0.7	±2		38	3.2			SW. CABO SAN VICENTE
1990-12-16	04 32 37.5	01°15.8'W	37°51.3'N		±0.7	±6		10	2.9			E. ALHAMA DE MURCIA.MU
1990-12-19	00 21 30.8	03°06.5'W	36°27.1'N		±0.8	±8		15	2.6			ALBORAN
1990-12-22	06 15 13.9	03°35.7'W	36°34.9'N		±0.7	±3		23	2.7			S. CABO SACRATIF
1990-12-23	03 27 05.4	07°37.8'W	36°44.5'N	25	±0.9	±4	±6	25	3.0			S. FARO
1990-12-23	04 51 06.6	04°24.0'W	37°04.6'N		±0.6	±2		20	2.5		P	ARCHIDONA.MA
1990-12-25	19 59 44.7	04°27.0'W	37°04.5'N	6	±0.5	±2	±2	27	2.7			ARCHIDONA.MA
1990-12-27	05 10 12.7	01°07.9'W	41°11.4'N		±0.7	±9		10	2.7			HERRERA LOS NAVARROS.Z
1990-12-31	11 03 04.8	01°08.7'W	38°19.2'N		±0.6	±3		11	2.8			N. FORTUNA.MU



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.
PER	Período en segundos.
DUR	Duración del registro del sismo en segundos.

Nota.- En el boletín sísmico del año 1989, por un error de formatos, las lecturas de las fases S figuran erróneamente. Para determinar la verdadera hora de llegada de la fase es necesario restar al tiempo de la S los segundos de P.

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

03 ene 01h 47m 29.6s 43°31'N 00°32'W 2Km
rms ±0.8s mb 3.0 IV ARTHEZ DE BEARN.FR

OGE	0	01	47	35.4								
MADF	0	01	47	36.3	E 0	01	47	42.7				
ATE	0	01	47	36.8	E 0	01	47	43.2				
ESCF	0	01	47	36.9								
EPF	0	01	47	45.2	0	01	47	56.7	0.08	0.2		
MLS	C	0	01	47	52.9	0	01	48	10.2			
VIH	0	01	47	54.0	0	01	48	11.5			140	
SALF	0	01	47	55.0								
LESF	0	01	47	55.1								
GRBF	0	01	47	58.1								
LFF	0	01	47	59.2								
LPO	0	01	47	59.6								
ECRI	I D	0	01	48	00.4	E 0	01	48	22.0	0.04	0.3	95
AVN	C	9	01	48	06.1	0	01	48	29.9			190
RJF	0	01	48	06.8					0.03	0.3		
CAF	0	01	48	07.6								
MRB	0	01	48	11.7	0	01	48	44.0				258
ETOR	E	0	01	48	16.3	E 0	01	48	52.5	0.01	0.3	90
EROQ	E	9	01	48	22.0	E 0	01	48	56.0	0.02	0.3	85
EBR	E	4	01	48	29.0	E 4	01	49	00.0			
GUD	E	0	01	48	30.4	E 0	01	49	16.0			

05 ene 00h 49m 35.3s 36°59'N 05°25'W 3Km
rms ±0.9s mb 2.8 CORIPE.SE

EPRU	I D	0	00	49	36.3	E 0	00	49	38.2	0.15	0.2	45
EJIF	E	0	00	49	44.8	E 0	00	49	53.0	0.03	0.3	50
MAL	I C	0	00	49	51.2							
EHOR	E	0	00	49	52.0	E 0	00	50	03.0	0.03	0.3	30
ALOJ	E	0	00	49	53.5	E 0	00	50	10.0			
AAPN	E	0	00	49	54.7	E 0	00	50	11.0			
ATEJ	E	0	00	49	54.8	E 0	00	50	11.5			
EVAL	E	0	00	49	57.3	E 0	00	50	14.8	0.02	0.3	
ACHM	E	0	00	49	58.6							
APHE	E	0	00	49	59.5	E 0	00	50	19.5			
ASMO	E	0	00	50	00.0	E 0	00	50	20.5			
AFC	E	0	00	50	01.0							42
EBAN	E	0	00	50	05.5	E 0	00	50	26.0			40

05 ene 00h 54m 33.4s 36°56'N 05°22'W
rms ±0.5s mb 2.4 OLVERA.CA

EPRU	E	0	00	54	34.2	E 0	00	54	36.0	0.06	0.2	
EJIF	E	0	00	54	42.6							64
ALOJ	E	0	00	54	52.0	E 0	00	55	06.5			
ATEJ	E	0	00	54	53.0	E 0	00	55	08.0			
AAPN	E	0	00	54	53.0	E 0	00	55	08.0			
ACHM	E	0	00	54	56.5							
APHE	E	0	00	54	57.5	E 4	00	55	12.0			
ASMO	E	0	00	54	57.5	E 0	00	55	16.0			

05 ene 00h 54m 47.8s 36°59'N 05°19'W 3Km
rms ±0.5s mb 2.6 OLVERA.CA

EPRU	E	0	00	54	48.7	E 0	00	54	50.0	0.15	0.2	55
MAL						E 4	00	55	04.0			
EJIF						E 0	00	55	05.6	0.05	0.4	
EHOR	E	0	00	55	03.2	E 0	00	55	15.0	0.03	0.2	27
EVAL	E	0	00	55	10.7	E 0	00	55	28.6	0.02	0.3	40
EBAN	E	0	00	55	18.0	E 0	00	55	38.5			40

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

05 ene 00h 57m 54.5s 37°01'N 05°20'W
rms ±0.7s mb 2.4 OLVERA.CA

EPRU	E	0	00	57	55.0	E 0	00	57	56.8	0.07	0.2	32
EJIF	E	0	00	58	05.0	E 0	00	58	13.6	0.02	0.4	30
ALOJ	E	0	00	58	13.0	E 0	00	58	26.0			
ATEJ	E	0	00	58	14.0							
AAPN	E	0	00	58	14.0	E 4	00	58	30.0			
EVAL	E	0	00	58	16.4	E 0	00	58	35.0			
EBAN						E 0	00	58	45.4			
APHE	E	0	00	58	18.5							

06 ene 15h 42m 26.8s 39°15'N 09°01'W 13Km
rms ±0.6s mb 3.1 CERCAL.PORT

MTH	E	0	15	42	33.4	I 0	15	42	40.0			
LIS						I 0	15	42	45.0			
MOE	I C	0	15	42	42.5	I 0	15	42	54.0			
COI		0	15	42	46.1	0	15	43	00.0			
MTE	E	9	15	42	50.0	I 0	15	43	11.0			
MVO	I D	0	15	43	05.0	I 0	15	43	33.0			
EPLA	E	9	15	43	11.8	E 0	15	43	41.0	0.02	0.3	50
EVAL	E	9	15	43	12.0	E 0	15	43	40.4	0.04	0.3	
FIG						4	15	43	41.0			
EHOR						E 0	15	43	55.2	0.03	0.4	
PAB						E 0	15	44	03.0			100
GUD	E	0	15	43	26.2	E 0	15	44	12.0			47
EBAN	E	0	15	43	31.0	E 0	15	44	16.6	0.01	0.3	
TOL	E	4	15	43	37.0	E 4	15	44	27.0			95

07 ene 16h 21m 26.0s 35°52'N 01°19'E
rms ±0.7s mb 3.6 AMMI MOUSSA.ARG

ENIJ	E	9	16	22	11.0	E 0	16	22	46.5	0.02	0.3	190
ACU	E	0	16	22	12.8	E 0	16	22	48.5			85
TAF	E	4	16	22	22.0							
APHE	E	4	16	22	27.1	E 4	16	23	10.0			
ECHE	E	0	16	22	28.5	E 0	16	23	15.0			85
ESEL	E	0	16	22	29.0							
AFC	E	0	16	22	29.0	E 0	16	23	17.6			90
ATEJ	E	4	16	22	29.6	E 4	16	23	15.5			
EVIA	E	0	16	22	29.6	E 0	16	23	15.0	0.05	0.3	145
ASMO	E	0	16	22	31.1	E 4	16	23	17.0			
ALOJ	E	0	16	22	35.1							
AAPN	E	0	16	22	35.5	E 4	16	23	23.0			
EBAN	E C	0	16	22	36.0	E 0	16	23	29.4			80
EROQ	E	0	16	22	40.5	E 0	16	23	36.0			80
IFR	I	0	16	22	51.0							
TOL	E	0	16	22	51.0							120
PAB	E	0	16	22	52.5	E 0	16	23	56.0			150
GUD	E	0	16	23	00.3							

07 ene 22h 20m 27.4s 36°53'N 05°15'W 2Km
rms ±0.4s mb 2.4 EL GASTOR.CA

EPRU	I C	0	22	20	29.0	E 0	22	20	31.2	0.06	0.2	42
EJIF	E	0	22	20	35.5	E 0	22	20	42.6	0.03	0.4	40
EHOR	E	0	22	20	44.3	E 0	22	20	57.2			22
ALOJ	E	0	22	20	44.5	E 0	22	20	58.0			
ATEJ	E	0	22	20	45.2	E 0	22	20	59.2			
AAPN	E	0	22	20	45.2	E 0	22	20	59.0			

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	
AAPN	E	0	15 10 23.7	E 0	15 10 33.9				APHE	E	0	13 02 50.6	E 0	13 03 06.0				
EJIF	E	0	15 10 26.0	E 0	15 10 36.6			60	ATEJ	E	0	13 02 51.8	E 0	13 03 05.2				
APHE	E	0	15 10 27.2	E 0	15 10 38.7				EVIA	E	0	13 02 55.0	E 0	13 03 10.8	0.04	0.2	45	
EHOR	I C	0	15 10 28.3	E 0	15 10 40.2	0.02	0.3	30	21 ene 21h 04m 42.4s 42°29'N 00°56'E 3Km									
ASMO	E	0	15 10 28.8	E 0	15 10 43.4				rms ±0.5s	mb 2.7	TORRE DE CAPDELLA.L							
AFC	E	0	15 10 31.7	E 0	15 10 46.5	0.02	0.3	45	VIH	C	0	21 04 46.0	E 0	21 04 49.0				
EBAN	E	0	15 10 36.5	E 0	15 10 56.8	0.04	0.2	60	SALF		0	21 04 48.5	E 0	21 04 53.1				
EVAL	E	0	15 10 41.0	E 0	15 11 02.4			43	MLS		0	21 04 51.1	E 0	21 04 58.0				
EVIA	E	0	15 10 51.8	E 0	15 11 21.1	0.02	0.4	66	GRBF		0	21 04 52.8	E 4	21 04 57.4				
GUD	E	0	15 11 08.3						AVN	C	0	21 04 53.7						
TOL				E 4	15 11 46.0				EPF		0	21 04 55.0	E 0	21 05 04.0				
15 ene 15h 39m 42.6s 39°26'N 11°28'W									MRB		0	21 05 02.5	E 0	21 05 17.6				
rms ±0.8s	mb 3.0	ATLANTICO							FONT		0	21 05 07.0	E 0	21 05 24.3				
MTH					0	15 40 33.5			EROQ	E	9	21 05 13.0	E 0	21 05 36.5	0.01	0.3		
LIS					E 0	15 40 36.0			LPO		9	21 05 19.6	E 0	21 05 47.5	0.08	0.3		
MOE	E	0	15 40 21.5	E 0	15 40 51.0				LFF		9	21 05 23.0	E 0	21 05 54.8	0.05	0.3		
MTE					0	15 41 05.5			CAF		9	21 05 25.0	E 0	21 05 56.0	0.05	0.3		
EZAM					E 0	15 41 11.0	0.01	0.3	22 ene 19h 52m 32.0s 37°53'N 06°26'W 3Km									
MVO	E	0	15 40 39.0	E 0	15 41 21.0				rms ±0.8s	mb 3.2	PUERTO-MORAL.H							
STS					E 0	15 41 26.2	0.01	0.3	EVAL	I C	0	19 52 38.9	E 0	19 52 43.3	0.37	0.2	93	
EVAL	E	0	15 40 42.4	E 0	15 41 26.5	0.02	0.3		EHOR	I D	0	19 52 49.0	E 0	19 53 02.0	0.10	0.2	55	
ERUA	E	0	15 40 48.0						EPRU	E	0	19 52 57.6	E 0	19 53 14.2			60	
EMON	E	0	15 40 56.5	E 0	15 41 50.0	0.02	0.2		FIG	E	4	19 52 59.8	4	19 53 17.0				
GUD	E	0	15 41 05.0	E 0	15 42 07.0				MOE	E	0	19 53 01.0	I 0	19 53 23.0				
EBAN				E 0	15 42 15.5				EJIF				E 0	19 53 22.0	0.02	0.3	52	
16 ene 07h 47m 26.1s 36°30'N 03°02'W									EBAN	E	0	19 53 06.5	E 0	19 53 33.0	0.03	0.2	100	
rms ±0.9s	mb 2.7	S. ADRA							AAPN	E	9	19 53 08.5	E 0	19 53 34.5				
APHE	E	0	07 47 39.3	E 0	07 47 49.1				ALOJ	E	9	19 53 10.5	E 0	19 53 37.0				
ENIJ	E	0	07 47 40.6	E 0	07 47 52.0	0.03	0.3	47	EPLA	E	9	19 53 12.3	E 0	19 53 38.9	0.06	0.3	64	
ATEJ	E	0	07 47 41.3	E 4	07 47 52.5				ATEJ	E	9	19 53 13.0	E 0	19 53 41.0				
AFC	E	0	07 47 42.2	E 0	07 47 53.0	0.02	0.3	42	ASMO	E	9	19 53 14.0	E 0	19 53 42.5				
ALOJ	E	0	07 47 44.9	E 0	07 47 58.7				PAB	E	9	19 53 18.0	E 0	19 53 46.5				
ASMO	E	0	07 47 46.4						APHE				E 4	19 53 46.5				
AAPN	E	0	07 47 49.0						MTE	E	0	19 53 15.0	I 4	19 53 49.0				
EBAN	E	9	07 48 00.0	E 0	07 48 24.0				TOL	E	0	19 53 16.0	E 4	19 53 42.0			70	
18 ene 06h 17m 32.3s 37°42'N 03°59'W 25Km									MTH				4	19 53 45.5				
rms ±0.3s	mb 3.0	MARTOS.J							EVIA	E	0	19 53 21.0	E 0	19 53 58.6	0.04	0.3	90	
ASMO	I	0	06 17 40.2	E 0	06 17 46.1				GUD	E	0	19 53 23.8	E 0	19 54 02.4	0.01	0.3	85	
AAPN	I	0	06 17 40.7	E 0	06 17 46.9				MVO	E	4	19 53 26.0	E 4	19 54 08.0				
EBAN	I C	0	06 17 42.0	E 0	06 17 49.0			80	22 ene 21h 32m 50.3s 37°42'N 03°57'W 24Km									
AFC	I D	0	06 17 43.0	E 0	06 17 51.6	0.03	0.2	50	rms ±0.3s	mb 2.9	MARTOS.J							
ALOJ	I	0	06 17 43.7	E 0	06 17 52.3				ASMO	I	0	21 32 58.0	E 0	21 33 03.9				
CRT	E	0	06 17 43.9	E 0	06 17 51.6				AAPN	I	0	21 32 58.4	E 0	21 33 05.3				
APHE	I	0	06 17 46.6	E 0	06 17 57.6				EBAN	I C	0	21 32 59.8	E 0	21 33 07.0	0.12	0.2	50	
ATEJ	E	0	06 17 46.9	E 0	06 17 57.7				AFC	E	0	21 33 00.6	E 0	21 33 08.5			25	
EHOR	E	0	06 17 49.4	E 0	06 18 02.6	0.10	0.3	34	ALOJ	I	0	21 33 01.5	E 0	21 33 10.1				
EVIA	I C	0	06 17 56.0	E 0	06 18 14.0	0.05	4.2	62	APHE	E	0	21 33 04.5	E 0	21 33 15.6				
PAB	E	4	06 18 18.0	E 4	06 18 29.0			45	ATEJ	E	0	21 33 04.8	E 0	21 33 16.0				
21 ene 13h 02m 30.5s 38°02'N 04°02'W 12Km									EHOR	E	0	21 33 07.7	E 0	21 33 21.4	0.03	0.2	22	
rms ±0.6s	mb 2.6	ANDUJAR.J							EVIA	E	0	21 33 13.7	E 0	21 33 32.2	0.02	0.2	44	
EBAN	I C	0	13 02 35.0	E 0	13 02 38.7			70	GUD	E	9	21 33 48.0	E 0	21 34 21.0				
ASMO	E	0	13 02 43.0	E 0	13 02 52.3				23 ene 17h 10m 53.5s 37°06'N 03°51'W 3Km									
AAPN	E	0	13 02 43.5	E 0	13 02 53.0				rms ±0.4s	mb 2.9	CHIMENEAS.GR							
ALOJ	E	0	13 02 46.5	E 0	13 02 59.0				ACHM	E	0	17 10 54.2						
EHOR	E	0	13 02 49.0	E 0	13 03 01.0	0.02	0.3	18	ALOJ	I	0	17 10 56.5	E 0	17 10 59.9				
									APHE	I	0	17 10 56.8	E 0	17 11 00.4				

EST I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
CRT	E	0 17 10 57.2	E 0	17 11 02.1			
ATEJ	E	0 17 10 57.3	E 0	17 11 01.2			
ASMO	I	0 17 10 57.7	E 0	17 11 02.2			
AFC	E	0 17 10 58.1	E 0	17 11 03.0	0.10	0.2	40
AAPN	E	0 17 10 58.5	E 0	17 11 03.6			
MAL			I 0	17 11 12.3			
EBAN	E	0 17 11 13.0	E 0	17 11 27.5	0.03	0.2	35
EVIA			E 0	17 11 48.5	0.02	0.3	43

23 ene 19h 13m 14.1s 37°01'N 05°32'W 4Km
rms ±0.8s mb 2.9 MONTELLANO.SE

EPRU	I C	0 19 13 17.0	E 0	19 13 21.2	0.11	0.2	68
EJIF	E	0 19 13 25.0	E 0	19 13 31.8	0.03	0.3	50
EHOR	E	0 19 13 29.4	E 0	19 13 40.6	0.05	0.3	30
EVAL	I	0 19 13 34.6	E 0	19 13 50.4	0.04	0.3	33
ALOJ	E	0 19 13 35.3	E 0	19 13 51.8			
AAPN	E	0 19 13 35.3	E 0	19 13 52.1			
ATEJ	E	0 19 13 36.3	E 0	19 13 54.4			
ASMO	E	0 19 13 40.2	E 0	19 14 00.4			
APHE	E	0 19 13 41.0	E 4	19 14 02.2			
AFC	E	0 19 13 41.6					42
EBAN	E	0 19 13 43.4	E 0	19 14 06.0	0.02	0.3	55
EVIA	E	0 19 13 58.7					65

23 ene 21h 25m 00.9s 37°01'N 05°34'W 4Km
rms ±0.9s mb 3.0 MONTELLANO.SE

EPRU	I	0 21 25 04.0	E 0	21 25 08.2	0.12	0.2	70
EJIF	E	0 21 25 11.8	E 0	21 25 19.0	0.05	0.3	50
EHOR	E	0 21 25 16.4	E 0	21 25 27.5	0.05	0.2	32
EVAL	E	0 21 25 21.3	E 0	21 25 37.0	0.05	0.3	36
ALOJ	E	0 21 25 23.0	E 0	21 25 39.4			
AAPN	E	0 21 25 23.2	E 0	21 25 39.9			
ATEJ	E	0 21 25 24.1	E 0	21 25 41.4			
ASMO	E	0 21 25 28.2	E 4	21 25 49.4			
APHE	E	0 21 25 28.2	E 4	21 25 49.5			
AFC	E	0 21 25 29.0	E 0	21 25 49.5	0.01	0.3	44
EBAN	I	0 21 25 30.4	E 0	21 25 53.8	0.03	0.2	52
EVIA	E	0 21 25 45.4					72
ETOR	E	0 21 26 10.4					

23 ene 21h 37m 31.2s 37°02'N 05°33'W 2Km
rms ±0.9s mb 3.5 III MONTELLANO.SE

EPRU	I D	0 21 37 34.4	E 0	21 37 38.2			95
EJIF	E	0 21 37 41.5	E 0	21 37 48.4	0.15	0.3	100
EHOR	I C	0 21 37 46.6	E 0	21 37 58.0	0.15	0.2	75
MAL	I D	0 21 37 50.0	I 4	21 38 04.0	0.20	0.7	52
EVAL	I D	0 21 37 51.7	E 0	21 38 07.0	0.22	0.2	85
ALOJ	E	0 21 37 53.4	E 0	21 38 09.8			
AAPN	E	0 21 37 53.7	E 4	21 38 11.0			
ATEJ	E	0 21 37 54.4	E 0	21 38 11.0			
ASMO	E	0 21 37 57.9	E 0	21 38 18.5			
APHE	E	0 21 37 58.0	E 0	21 38 18.0			
AFC	E	0 21 37 59.2	E 0	21 38 19.5	0.03	0.2	85
EBAN	I C	0 21 38 00.8	E 0	21 38 23.2	0.07	0.2	95
FAR	E	4 21 38 01.0	E 4	21 38 34.7			
FIG	E	0 21 38 01.8	I 4	21 38 31.5			
MOE	E	0 21 38 14.0	E 0	21 38 46.5			
EVIA	I	0 21 38 15.9			0.07	0.4	100
PAB	E	9 21 38 25.5	E 0	21 38 58.5			
MTH			0	21 39 05.0			
EPLA	E	9 21 38 28.9	E 0	21 39 05.5	0.05	0.3	75

EST I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
TOL			E 4	21 38 58.0	0.06	1.0	
GUD	E	0 21 38 29.0	E 0	21 39 11.0	0.02	0.4	
MTE			4	21 39 26.0			
ETOR	E	0 21 38 40.8	E 0	21 39 33.6			125

24 ene 02h 22m 51.3s 37°02'N 05°31'W 3Km
rms ±0.8s mb 2.9 MONTELLANO.SE

EPRU	I D	0 02 22 54.0	E 0	02 22 58.2			65
EJIF	E	0 02 23 02.4	E 0	02 23 09.5	0.07	0.4	70
EHOR	E	0 02 23 06.2	E 0	02 23 17.4			48
EVAL	E	0 02 23 11.3	E 0	02 23 27.0	0.08	0.3	50
ALOJ	I	0 02 23 12.4	E 0	02 23 29.2			
AAPN	E	0 02 23 12.6	E 4	02 23 30.1			
ATEJ	E	0 02 23 13.4	E 0	02 23 31.3			
ASMO	E	0 02 23 17.2	E 4	02 23 39.2			
APHE	E	0 02 23 18.0	E 4	02 23 39.7			
AFC	E	0 02 23 19.0			0.02	0.3	62
EBAN	I	0 02 23 20.4	E 0	02 23 43.8	0.03	0.2	70
FIG	E	4 02 23 25.5	E 4	02 23 52.0			70
PAB			E 4	02 24 01.0			
EVIA	E	0 02 23 35.4	E 0	02 24 10.3	0.02	0.3	70
EPLA	E	9 02 23 48.6	E 0	02 24 26.0	0.02	0.3	
MOE	E	0 02 23 35.5	0	02 24 06.0			
MTH			0	02 24 25.0			
TOL			E 4	02 24 30.0			
MTE			4	02 24 44.0			
ETOR	E	0 02 24 00.3					95

24 ene 03h 50m 48.6s 37°02'N 05°33'W 4Km
rms ±0.9s mb 2.8 MONTELLANO.SE

EPRU	I D	0 03 50 51.4	E 0	03 50 55.8	0.09	0.3	40
EJIF	E	0 03 51 00.0	E 0	03 51 07.0	0.03	0.3	50
EHOR	E	0 03 51 03.8	E 0	03 51 15.0	0.02	0.3	24
EVAL	I	0 03 51 09.0	E 0	03 51 24.3	0.03	0.3	34
ALOJ	E	0 03 51 09.8	E 0	03 51 26.6			
AAPN	E	0 03 51 10.0	E 0	03 51 27.4			
ATEJ	E	0 03 51 11.0	E 0	03 51 28.6			
ASMO	E	0 03 51 15.5					
APHE	E	0 03 51 15.5	E 4	03 51 37.1			
AFC	E	0 03 51 16.2	E 0	03 51 39.0			38
EBAN	E	0 03 51 18.5	E 0	03 51 41.0	0.02	0.2	42
EVIA	E	0 03 51 32.8					

24 ene 03h 52m 03.2s 37°03'N 05°33'W 4Km
rms ±0.9s mb 3.4 MONTELLANO.SE

EPRU	I D	0 03 52 06.0	E 0	03 52 10.0			126
EJIF	E	0 03 52 13.5	E 0	03 52 22.5	0.14	0.3	95
EHOR	E	0 03 52 18.2	E 0	03 52 29.3	0.15	0.3	60
MAL	I D	0 03 52 21.5	I 0	03 52 35.0	0.19	0.8	87
EVAL	I D	0 03 52 22.3	E 0	03 52 39.0	0.13	0.3	65
ALOJ	I	0 03 52 24.7	E 0	03 52 41.2			
AAPN	E	0 03 52 25.1	E 0	03 52 41.9			
ATEJ	E	0 03 52 25.7	E 0	03 52 43.3			
ASMO	E	0 03 52 29.2	E 0	03 52 49.6			
APHE	E	0 03 52 29.3	E 0	03 52 50.2			
AFC	E	0 03 52 30.9	E 0	03 52 50.6	0.03	0.3	87
EBAN	I C	0 03 52 32.3	E 0	03 52 55.0	0.06	0.2	110
FIG	E	0 03 52 33.5	I 4	03 53 04.0			
FAR			4	03 53 06.7			
EVIA	E	0 03 52 47.5					106
PAB	E	4 03 52 52.5	E 4	03 53 15.0			100
MOE	E	4 03 52 03.2	E 0	03 53 18.0			
MTH			0	03 53 36.5			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EPLA	E	9	03 53 01.6	E 0	03 53 37.0			75
TOL				E 4	03 53 40.0	0.03	0.8	
GUD				E 0	03 53 44.0			100
MTE				4	03 53 54.0			
ETOR	E	0	03 53 12.6	E 0	03 54 05.2			116
MVO	E	4	03 53 38.0	E 4	03 54 01.0			

26 ene 18h 04m 19.8s 36°51'N 03°02'W 3Km
rms ±0.6s mb 2.9 BERJA.AL

ALM	E	0	18 04 27.9	I 0	18 04 34.2			
APHE	I	0	18 04 29.8	E 0	18 04 36.5			
AFC	E	0	18 04 30.0	E 0	18 04 36.6	0.04	0.2	35
ENIJ	I C	0	18 04 31.4	E 0	18 04 41.0	0.06	0.2	35
ASMO	E	0	18 04 33.8	E 0	18 04 44.0			
ATEJ	I	0	18 04 33.9	E 0	18 04 45.8			
ALOJ	E	0	18 04 35.8					
AAPN	E	0	18 04 37.9					
EBAN	E	0	18 04 46.0	E 0	18 05 05.0	0.01	0.3	36
EYIA	E	0	18 04 52.8	E 0	18 05 16.0	0.01	0.3	43

28 ene 04h 20m 58.6s 36°50'N 02°27'E
rms ±0.7s mb 3.6 NE. CHERCHELL

ABA	E	4	04 20 56.5	E 0	04 21 13.5			
ACU	E	0	04 21 41.3	E 0	04 22 13.7	0.04	0.5	60
ESEL	E	0	04 21 44.5	E 0	04 22 18.5	0.03	0.3	70
ENIJ	E	0	04 21 53.0					60
VIV	E	0	04 21 54.8	E 0	04 22 36.5			
ECHÉ	E	0	04 21 57.3	E 0	04 22 39.5			70
EROQ	E	0	04 22 03.0	E 0	04 22 50.3	0.02	0.3	80
EYIA				E 0	04 22 51.0	0.04	0.3	85
EBR	E	4	04 22 07.0	E 4	04 22 59.0			
APHE	E	0	04 22 12.0	E 4	04 23 09.0			
ASMO	E	0	04 22 13.0	E 4	04 23 10.0			
ATEJ	E	0	04 22 16.2					
ALOJ	E	0	04 22 16.5	E 4	04 23 17.5			
AAPN	E	0	04 22 17.0	E 4	04 23 18.0			
OLT		0	04 22 17.0					
AVN		4	04 22 18.2					
GUD	E	0	04 22 32.3	E 0	04 23 43.8			
EPF		4	04 22 34.6	0	04 23 43.0	0.00	0.3	
LMR		0	04 22 42.8					
LRG		0	04 22 43.0			0.00	0.3	

28 ene 17h 07m 30.5s 39°14'N 00°51'W 3Km
rms ±0.4s mb 2.9 DOS AGUAS.V

VIV	E	0	17 07 34.2	E 0	17 07 37.5			
ECHÉ	E	0	17 07 37.0	E 0	17 07 42.3	0.06	0.3	55
ACU	E	0	17 07 46.0	E 0	17 07 55.9	0.01	0.3	
EYIA	E	0	17 07 56.0	E 0	17 08 14.5	0.05	0.2	62
ETOR	E	9	17 08 05.0	E 0	17 08 29.0			60
EBAN	E	9	17 08 18.0	E 0	17 08 48.4	0.01	0.2	60
GUD	E	9	17 08 25.7	E 0	17 09 01.0			

29 ene 04h 52m 23.8s 35°01'N 03°51'W
rms ±0.9s mb 3.1 S. ALHUCEMAS.MAC

EMEL	E	0	04 52 36.7	E 0	04 52 49.8			53
TAF	I	0	04 52 44.0	E 0	04 53 02.0			
NKM	I	0	04 52 47.8	E 4	04 53 10.0			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
IFR	I	0	04 52 54.0	I 0	04 53 16.5			
EJIF	E	0	04 52 57.0	E 0	04 53 19.0	0.03	0.6	60
AFC	E	0	04 52 59.4					

02 feb 14h 03m 32.3s 38°50'N 08°16'W
rms ±0.7s mb 3.3 MORA.PORT

MOE	I C	0	14 03 37.5	I 0	14 03 42.0			
AMR		0	14 03 39.1	0	14 03 44.3			
MTH				0	14 03 55.1			
LIS				0	14 03 55.6			
MTE				4	14 04 17.0			
EVAl	E	0	14 04 02.3	E 0	14 04 24.0	0.50	0.2	50
EPLA	E	0	14 04 06.4	E 0	14 04 33.5	0.02	0.2	53
MVO	E	4	14 04 21.0	E 0	14 04 43.5			
GUD	E	0	14 04 27.2	E 0	14 05 12.0			80
PAB	E	4	14 04 54.5	I 4	14 05 07.5			55

03 feb 01h 07m 13.5s 36°30'N 01°41'E 8Km
rms ±0.5s mb 3.4 GOURAYA.ARG

ABA	I	0	01 07 34.0	I 0	01 07 49.0			
ACU	E	0	01 07 54.0	E 0	01 08 25.8	0.05	0.5	65
ENIJ	E	9	01 07 59.4	E 0	01 08 36.0	0.03	0.4	90
ESEL	E	0	01 08 04.8	E 0	01 08 45.2	0.02	0.3	80
VIV	E	0	01 08 07.5	E 0	01 08 48.3			
ECHÉ	E	0	01 08 10.2	E 0	01 08 54.0	0.03	0.4	78
EYIA	E	0	01 08 12.4	E 0	01 08 59.0	0.03	0.3	93
AFC	E	0	01 08 17.8					70
APHE	E	0	01 08 19.2	E 0	01 09 07.5			
EROQ	E	0	01 08 20.0	E 0	01 09 08.8	0.01	0.3	90
ASMO	E	0	01 08 20.5	E 0	01 09 10.0			
ACHM	E	0	01 08 21.5					
ATEJ	E	0	01 08 22.5	E 0	01 09 14.5			
EBAN	E	0	01 08 23.0	E 0	01 09 15.5			80
ALOJ	E	0	01 08 24.0	E 0	01 09 16.0			
AAPN	E	0	01 08 24.0	E 0	01 09 17.0			
EBR	E	4	01 08 24.0	E 4	01 09 20.0			
AVN		0	01 08 33.9					
PAB	E	4	01 08 40.0	E 4	01 09 44.0			115
GUD	E	0	01 08 45.0	E 0	01 09 52.0			
IFR	E	0	01 08 46.0					

03 feb 01h 53m 57.1s 43°16'N 01°34'W 3Km
rms ±0.8s mb 2.9 ZUGARRAMURDI.NA

BOH		0	01 54 05.5	E 0	01 54 11.3			
MADF		0	01 54 07.9	E 0	01 54 15.1			
ISSF		0	01 54 08.4	E 0	01 54 14.9			
ATE	D	0	01 54 09.1	E 0	01 54 17.7			
ECRI	I C	0	01 54 14.7	E 0	01 54 27.5	0.03	0.2	
EPF		0	01 54 23.0	E 0	01 54 42.4			
LFF		0	01 54 34.0					
LPO		0	01 54 35.0	E 0	01 55 08.0			
ETOR	E	0	01 54 37.3	E 0	01 55 06.6			45
AVN		4	01 54 37.5	4	01 55 07.5			
CAF		0	01 54 46.0	E 0	01 55 23.0			

03 feb 22h 23m 26.8s 37°06'N 03°38'W
rms ±0.6s mb 2.7 ALHENDIN.GR

CRT	I	0	22 23 28.3	E 0	22 23 30.5			
AFC	I D	0	22 23 29.1	E 0	22 23 31.2	0.13	0.2	30
ACHM	I	0	22 23 29.3	E 0	22 23 32.6			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
APHE	I	0	22 23 29.5	E 0	22 23 32.5			
ASMO	I	0	22 23 31.1	E 0	22 23 35.2			
ATEJ	E	0	22 23 32.6	I 0	22 23 38.7			
ALoj	E	0	22 23 32.7	E 0	22 23 38.6			
AAPN	E	0	22 23 34.8	E 0	22 23 40.9			
EBAN	E	0	22 23 47.0	E 0	22 24 02.5	0.01	0.2	32
ENIJ	E	0	22 23 48.4	E 0	22 24 03.0			
EVIA	E	9	22 24 00.0	E 0	22 24 23.0			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ECRI	E	0	07 19 30.8					
LMR		0	07 19 32.2	4	07 20 46.5			
IFR		4	07 19 33.0					
LRG		0	07 19 34.0	4	07 20 49.0			
EPLA	E	0	07 19 35.0					
FRF		0	07 19 36.2	4	07 20 53.6			
ERUA	I D	0	07 20 01.0					

04 feb 16h 55m 40.1s 36°12'N 01°54'E 10Km
rms ±0.8s mb 3.7 AM DEFLA.ARG

ABA	I	0	16 55 59.0	E 0	16 56 16.0			
ACU	E	0	16 56 25.2	E 0	16 57 00.2	0.04	0.4	95
EALH	E	0	16 56 27.3	E 0	16 57 05.3			
ENIJ	E	9	16 56 30.6	E 0	16 57 08.5	0.03	0.3	90
ESEL	E	0	16 56 35.0	E 0	16 57 16.2	0.03	0.3	80
VIV	E	0	16 56 38.5	E 0	16 57 23.5			
ECHE	E	0	16 56 41.2	E 0	16 57 27.0			105
AFC	E	0	16 56 46.8			0.02	0.4	90
APHE	E	0	16 56 48.5	E 4	16 57 35.5			
EROQ	E	0	16 56 50.4			0.02	0.3	102
ACHM	E	0	16 56 51.0	E 4	16 57 39.5			
EBR	E	0	16 56 52.0					
ATEJ	E	0	16 56 52.0	E 4	16 57 41.2			
EBAN	E	0	16 56 53.5	E 0	16 57 49.6	0.02	0.3	100
ALoj	E	0	16 56 54.0	E 4	16 57 45.0			
AAPN	E	0	16 56 54.5	E 0	16 57 47.0			
AVN		0	16 57 04.5					
PAB	E	0	16 57 06.0	E 0	16 58 12.5			130
OLT		0	16 57 06.8					
TOL	E	4	16 57 12.0	E 4	16 58 27.5			150
IFR	I	0	16 57 13.0					
EPF		0	16 57 23.0					
LMR		0	16 57 35.0					
LRG		0	16 57 36.6					
FRF		0	16 57 39.0	4	16 59 05.0			

05 feb 07h 17m 47.4s 36°42'N 02°32'E
rms ±0.8s mb 4.2 W. ARGEL

ABA	I	0	07 17 55.0	I 4	07 17 57.0			
ACU	I D	0	07 18 31.4	E 0	07 19 04.6	0.15	0.5	210
ESEL	I	0	07 18 33.8	E 0	07 19 08.0	0.11	0.3	240
EALH	E	0	07 18 36.6	E 0	07 19 16.6			200
ENIJ	E	0	07 18 43.8	E 0	07 19 25.0	0.04	0.3	115
ECHE	E	0	07 18 46.2	E 0	07 19 31.0	0.06	0.4	210
EROQ	I C	0	07 18 53.0	E 0	07 19 41.0	0.05	0.3	155
EBR	E	4	07 18 57.0	E 4	07 19 48.0			
MRB		0	07 18 58.0					
APHE	E	0	07 19 00.0	E 4	07 19 58.0			
AFC	E	0	07 19 00.2	E 0	07 19 54.4	0.03	0.5	130
ASMO	E	0	07 19 01.0	E 4	07 19 59.0			
ACHM	E	0	07 19 02.0	E 4	07 20 01.0			
EBAN	E	0	07 19 03.2	E 0	07 20 00.4	0.03	0.6	140
ATEJ	E	0	07 19 04.0	E 4	07 20 04.5			
ALoj	E	0	07 19 04.5	E 4	07 20 06.0			
AAPN	E	0	07 19 05.0	E 4	07 20 06.5			
AVN		0	07 19 05.8					
OLT		0	07 19 06.5	0	07 20 04.2			
ETOR	E	0	07 19 08.5	E 0	07 20 08.0	0.03	0.5	220
ETER	E	0	07 19 09.4	E 0	07 20 09.0			80
PAB	I	0	07 19 15.0	E 4	07 20 25.0			300
VIH		0	07 19 15.9					
TOL	E	0	07 19 16.0	E 4	07 20 18.0			150
EHOR	E	0	07 19 17.6	E 0	07 20 27.5			
GUD	E	0	07 19 22.0	E 0	07 20 31.5	0.04	0.7	150
EPF		0	07 19 23.0	0	07 20 31.5			

06 feb 07h 41m 29.2s 36°34'N 04°32'W 68Km
rms ±0.8s mb 3.4 E. BENALMADENA

MAL	I C	0	07 41 39.3	I 0	07 41 45.8	3.32	0.3	64
ATEJ	I	0	07 41 41.9	E 0	07 41 50.9			
ALoj	I	0	07 41 43.7	E 0	07 41 53.7			
APHE	I	0	07 41 44.4	E 0	07 41 55.8			
EPRU	E	0	07 41 44.6	E 0	07 41 54.8	0.06	0.3	106
EJIF	E	0	07 41 45.0	E 0	07 41 56.8	0.14	0.3	130
ACHM	I	0	07 41 45.3	E 0	07 41 56.4			
AAPN	I	0	07 41 45.7	E 0	07 41 57.9			
CRT	E	0	07 41 48.0	E 0	07 42 01.1			
ASMO	I	0	07 41 48.2	E 0	07 42 01.8			
AFC	I D	0	07 41 48.8	E 0	07 42 02.8	0.15	0.2	105
NKM	I	0	07 41 52.0	I 4	07 42 05.0			
EHOR	I D	0	07 41 52.1	E 0	07 42 08.2	0.13	0.2	105
EBAN	I D	0	07 41 56.1	E 0	07 42 15.4			120
EMEL	E	0	07 41 57.2					
ENIJ	E	0	07 41 59.0	E 0	07 42 20.5	0.03	0.2	95
EVIA	I D	0	07 42 01.0	E 0	07 42 23.3	0.11	0.2	110
FIG				E 0	07 42 41.5			
PAB	I	0	07 42 13.5	E 0	07 42 47.0			140
IFR	I	0	07 42 15.0	I 0	07 42 48.0			
TOL	E	0	07 42 19.0	E 0	07 42 55.0			90
MOE	E	0	07 42 23.0	E 0	07 43 02.3			
EPLA	E	0	07 42 23.6	E 0	07 43 04.0	0.03	0.2	110
VIV	E	0	07 42 24.8	E 0	07 43 05.7			
ACU	E	0	07 42 24.8	E 0	07 43 06.0	0.01	0.2	60
AVE	E	0	07 42 28.0	I 0	07 43 12.0			
GUD	I D	0	07 42 28.8	E 0	07 43 13.2	0.02	0.3	130
ECHE	E	0	07 42 28.9	E 0	07 43 13.5	0.03	0.2	110
AMR	E	0	07 42 29.5	E 0	07 43 14.5			
MTE	E	9	07 42 30.0	E 0	07 43 18.0			
MTH				0	07 43 19.7			
ETOR	I D	0	07 42 37.0	E 0	07 43 26.4	0.04	0.2	128
MVO	E	0	07 42 40.6	E 0	07 43 34.5			
EROQ	E	0	07 42 51.9			0.02	0.3	115
TIO	I	0	07 42 55.9	I 4	07 43 59.9			
ERUA	E	0	07 42 58.0	E 0	07 44 05.0			
ECRI	E	0	07 42 59.2	E 0	07 44 05.5	0.02	0.3	102

07 feb 08h 12m 13.3s 37°39'N 09°19'W
rms ±1.0s mb 3.0 W. PONTA DO LADOIRO

MOE	E	0	08 12 35.2	I 0	08 12 50.0			
MTH				0	08 12 52.0			
FAR				0	08 12 52.5			
FIG	E	0	08 12 37.0	E 0	08 12 53.5			
EVIA	E	0	08 12 48.8	E 0	08 13 14.7	0.04	0.2	

08 feb 05h 05m 16.6s 37°00'N 03°42'W 2Km
rms ±0.7s mb 3.1 PADUL.GR

APHE	I	0	05 05 17.5	E 0	05 05 19.5			
ACHM	I	0	05 05 18.9	E 0	05 05 21.8			
ATEJ	I	0	05 05 20.3	E 0	05 05 24.1			
CRT	E	0	05 05 20.5	E 0	05 05 23.8			

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

MTH E 0 09 34 05.0 E 0 09 35 48.0
 LIS E 0 09 34 07.0
 EMON I D 0 09 34 13.5
 STS E 0 09 34 19.0
 TIO I 4 09 34 20.5

09 feb 11h 16m 58.5s 36°46'N 02°31'E 18Km
 rms ±0.8s mb 4.0 W. ARGEL

ABA I 0 11 17 06.0 E 0 11 17 13.0
 ACU E 0 11 17 41.9 E 0 11 18 15.0 0.09 0.5
 ESEL E 0 11 17 44.2 E 0 11 18 18.0 0.09 0.3
 EALH E 0 11 17 49.0 E 0 11 18 26.0 95
 ENIJ E 0 11 17 54.4 E 0 11 18 37.0 0.03 0.3 140
 VIV E 0 11 17 55.0 E 0 11 18 38.0
 EBR E 4 11 18 01.0 E 4 11 18 59.0 140
 EVIA E 0 11 18 02.8 E 0 11 18 51.5 0.09 0.3
 EROQ E 0 11 18 03.2 E 0 11 18 52.8 0.02 0.3 74
 MRB 4 11 18 06.5
 AFC E 0 11 18 10.8 E 0 11 19 05.0 120
 APHE E 0 11 18 11.0 E 0 11 19 08.0
 ASMO E 0 11 18 13.0 E 4 11 19 12.0
 EBAN E 0 11 18 13.8 E 0 11 19 12.0 0.02 0.5 140
 TAF I 4 11 18 15.0
 ATEJ E 0 11 18 15.2 E 0 11 19 14.0
 AVN 0 11 18 16.0
 ALOJ E 0 11 18 16.7
 AAPN E 0 11 18 17.5
 OLT 0 11 18 17.5
 ETOR E 0 11 18 19.0 E 0 11 19 17.3 170
 ETER E 0 11 18 20.0 E 0 11 19 21.5 70
 TOL E 0 11 18 25.5 E 4 11 19 37.0 150
 PAB I 0 11 18 26.0 E 0 11 19 33.5 180
 VIH 0 11 18 26.5
 GUD E 0 11 18 32.7 E 0 11 19 43.8 0.02 0.5 145
 EPF 0 11 18 33.6 E 0 11 19 42.0
 ECRI E 0 11 18 41.0
 LMR 0 11 18 42.9
 LRG 0 11 18 44.4
 FRF 0 11 18 46.4 0 11 20 05.8
 IFR I 4 11 18 47.0
 MTE E 4 11 18 57.5
 ERUA I C 0 11 19 11.5
 STS E 0 11 19 27.1

09 feb 11h 20m 01.8s 36°44'N 02°33'E
 rms ±0.9s mb 3.7 W. ARGEL

ABA I 9 11 20 02.0 I 0 11 20 09.0
 ACU E 0 11 20 45.1 E 0 11 21 17.5 0.03 0.3 200
 ESEL E 0 11 20 47.5 E 0 11 21 22.0 0.10 0.3 245
 VIV E 0 11 20 58.0 E 0 11 21 40.0
 EBR E 4 11 21 03.0
 EROQ E 0 11 21 06.0 E 0 11 21 52.5 0.01 0.3 100
 EVIA E 0 11 21 06.0 E 0 11 21 55.6 0.04 0.3
 MRB 0 11 21 11.0
 APHE E 0 11 21 14.5
 ASMO E 0 11 21 15.0 E 0 11 22 12.3
 ATEJ E 0 11 21 17.5
 EBAN E 0 11 21 18.5 E 0 11 22 15.5 100
 AAPN E 0 11 21 19.0
 AVN 0 11 21 19.0
 ALOJ E 0 11 21 19.5
 OLT 0 11 21 19.5
 ETOR E 0 11 21 22.0 125
 ETER E 0 11 21 22.9 E 0 11 22 23.0 70
 PAB E 0 11 21 29.0 E 4 11 22 40.0 175
 TOL E 0 11 21 29.0 E 4 11 22 47.0 150

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

GUD E 0 11 21 35.4 E 0 11 22 47.6 130
 EPF 0 11 21 36.8 E 0 11 22 44.6
 ECRI E 0 11 21 44.0
 LMR 0 11 21 45.8
 LRG 0 11 21 47.2
 FRF 0 11 21 49.0 0 11 23 07.8
 SBF 0 11 21 56.2 4 11 23 20.0
 ERUA E 0 11 22 14.1
 IFR I 4 11 22 22.0
 TIO I 0 11 22 24.0

09 feb 13h 09m 57.9s 36°51'N 02°30'E 10Km
 rms ±0.9s mb 3.7 W. ARGEL

ABA I 0 13 10 05.0 E 0 13 10 12.0
 ACU E 0 13 10 41.6 E 0 13 11 15.0 0.08 0.3 220
 ESEL E 0 13 10 43.8 E 0 13 11 18.0 0.14 0.3 250
 EALH E 0 13 10 48.5 E 0 13 11 26.5 100
 ENIJ E 0 13 10 53.5 E 0 13 11 36.2 0.02 0.3 100
 VIV E 0 13 10 54.5 E 0 13 11 36.0
 EBR E 4 13 10 59.0 E 4 13 11 59.0
 EROQ E 0 13 11 02.4 E 0 13 11 50.0 0.02 0.3 75
 EVIA E 0 13 11 02.6 E 0 13 11 52.0 0.07 0.3 250
 MRB 0 13 11 07.4
 APHE E 0 13 11 11.5 E 0 13 12 07.5
 AFC E 0 13 11 11.6 E 0 13 12 04.0
 ASMO E 0 13 11 13.0 E 0 13 12 09.5
 EBAN E 0 13 11 13.4 E 0 13 12 10.4 0.02 0.4 125
 ACHM E 0 13 11 14.0
 AVN 0 13 11 15.7
 OLT 0 13 11 16.0
 ATEJ E 0 13 11 16.5 E 0 13 12 13.5
 ALOJ E 0 13 11 16.5 E 0 13 12 16.0
 AAPN E 0 13 11 17.0 E 0 13 12 16.5
 ETOR E 0 13 11 18.5 E 0 13 12 17.8 0.02 0.5 120
 ETER E 0 13 11 19.2 E 0 13 12 20.5 0.02 0.5 90
 TOL E 0 13 11 25.0 E 4 13 12 35.0 170
 PAB E 0 13 11 25.5 E 4 13 12 36.5 240
 VIH 0 13 11 25.7
 GUD E 0 13 11 32.0 E 0 13 12 43.5 0.01 0.4 150
 EPF 4 13 11 34.0 E 0 13 12 41.6
 NKM E 4 13 11 38.0
 ECRI E 0 13 11 40.8
 LMR 0 13 11 42.5
 LRG 0 13 11 42.8
 IFR I 0 13 11 43.0
 EPLA E 0 13 11 45.5
 FRF 0 13 11 45.8 0 13 13 04.2
 SBF 0 13 11 53.8 4 13 13 16.6
 ERUA E 0 13 12 11.1

09 feb 13h 19m 33.4s 36°48'N 02°34'E 17Km
 rms ±1.0s mb 3.6 W. ARGEL

ABA I 0 13 19 40.0 E 0 13 19 46.0
 ACU E 0 13 20 16.6 E 0 13 20 50.0 0.06 0.3 220
 ESEL E 0 13 20 19.0 E 0 13 20 52.5 0.10 0.3 250
 EALH E 0 13 20 23.2 E 0 13 21 00.5 85
 VIV E 0 13 20 29.7 E 0 13 21 12.0
 ENIJ E 0 13 20 31.0 E 0 13 21 12.0 0.03 0.3 100
 EBR E 0 13 20 37.0
 EROQ E 0 13 20 37.5 E 0 13 21 25.5 0.01 0.3 75
 EVIA E 0 13 20 37.5 E 0 13 21 27.8 0.06 0.3 250
 MRB 4 13 20 42.2
 AFC E 0 13 20 46.5 E 0 13 21 40.0 95
 TAF E 4 13 20 48.0
 EBAN E 0 13 20 48.2 E 0 13 21 47.0 0.01 0.3 125
 APHE E 0 13 20 48.5 E 0 13 21 43.5

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ASMO	E	0	13 20 49.0	E 0	13 21 44.5			
AVN		0	13 20 51.5					
OLT		0	13 20 51.5					
AAPN	E	0	13 20 53.0	E 0	13 21 53.0			
ALOJ	E	0	13 20 53.5					
ETOR	E	0	13 20 54.2	E 0	13 21 53.4			
ETER	E	0	13 20 55.0	E 0	13 21 55.0			80
ATEJ	E	4	13 20 57.2	E 0	13 21 50.4			
TOL	E	0	13 21 00.0	E 4	13 22 20.0			150
PAB	E	0	13 21 01.0	E 4	13 22 11.5			
VIH		0	13 21 01.1					
GUD	E	0	13 21 07.5	E 0	13 22 18.5			150
EPF		0	13 21 08.1	0	13 22 18.0			
ECRI	E	0	13 21 16.0					
LMR		0	13 21 18.0					
LRG		0	13 21 18.4					
EPLA	E	0	13 21 21.0					
FRF		0	13 21 21.4	0	13 22 39.8			
ERUA	E	0	13 21 46.5					
AVE	E	4	13 22 00.0					
IFR	I	4	13 22 22.0					

11 feb 18h 23m 12.5s 35°58'N 04°58'W 18Km
rms ±0.4s mb 2.7 ESTRECHO DE GIBRALTAR

NKM	I	0	18 23 23.7	I 0	18 23 34.0			
EJIF	E	0	18 23 24.0	E 0	18 23 33.0	0.05	0.3	65
MAL	E	4	18 23 31.0	I 4	18 23 35.5			
EPRU	E	0	18 23 31.0	E 0	18 23 44.5	0.01	0.5	35
AFC	E	0	18 23 40.0					
EHOR	E	0	18 23 42.0					
EVAL	E	0	18 23 46.0	E 0	18 24 11.6	0.01	0.3	
EBAN	E	0	18 23 49.5	E 0	18 24 18.0			

11 feb 20h 13m 01.2s 43°04'N 00°08'W 2Km
rms ±0.7s mb 3.4 IV ARTHEZ D'ASSON.FR

OGE		0	20 13 05.9	E 0	20 13 10.1			
ESCF		0	20 13 06.5	E 0	20 13 10.9			
LHE		0	20 13 07.5					
EPF		0	20 13 08.0	0	20 13 13.8			
ATE		0	20 13 08.7	E 0	20 13 14.0			
ISSF		0	20 13 09.6	E 0	20 13 16.2			
MADF		0	20 13 10.4	E 0	20 13 17.8			
BOH		0	20 13 12.9	E 0	20 13 21.2			
VIH		0	20 13 16.2	0	20 13 25.0			
AVN		0	20 13 26.3	0	20 13 43.8			
ECRI	E	0	20 13 33.5	E 0	20 13 56.4	0.05	0.2	80
LFF		0	20 13 34.0					
MRB		0	20 13 35.2	0	20 14 02.0			
LPO		9	20 13 37.2	0	20 14 02.4			
OLT		4	20 13 39.2	4	20 14 09.9			
CAF		0	20 13 40.4					
RJF		0	20 13 41.2					
EBR	E	4	20 13 43.0	E 4	20 14 14.0			
ETOR	E	0	20 13 44.4	E 0	20 14 15.5	0.02	0.3	90
ETER	E	9	20 13 46.6	E 0	20 14 16.2	0.03	0.3	60
GUD	E	0	20 14 01.5	E 0	20 14 45.0			

14 feb 02h 14m 05.7s 36°35'N 02°34'E
rms ±0.8s mb 3.4 W. ARGEL

ABA	I	0	02 14 15.0	I 0	02 14 21.5			
ACU	E	0	02 14 50.2	E 0	02 15 23.2	0.02	0.5	55
ESEL	E	0	02 14 53.0	E 0	02 15 28.5			
ECHE	E	0	02 15 06.4	E 0	02 15 51.0			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EVIA	E	0	02 15 11.5	E 0	02 16 01.0	0.03	0.3	100
ETOR	E	0	02 15 27.5					
PAB	E	0	02 15 35.0	E 0	02 16 40.0			
GUD	E	0	02 15 41.0	E 0	02 16 53.0			

16 feb 17h 38m 05.2s 43°04'N 00°23'W 2Km
rms ±0.8s mb 3.0 III VALLE D'OSSAU.FR

OGE	D	0	17 38 07.0					
ESCF	C	0	17 38 07.4	E 0	17 38 09.7			
ATE	C	0	17 38 08.9	E 0	17 38 12.6			
LHE	C	0	17 38 09.3					
ISSF		0	17 38 10.5	E 0	17 38 15.3			
MADF	C	0	17 38 10.9	E 0	17 38 16.4			
EPF		0	17 38 14.2	0	17 38 20.8			
VIH	D	0	17 38 22.5	0	17 38 35.2			
SALF		0	17 38 27.1	0	17 38 43.1			
GRBF		0	17 38 32.1	0	17 38 51.5			
AVN		0	17 38 32.5					
ECRI	E	9	17 38 36.4	E 0	17 38 57.2	0.03	0.3	42
LPO		9	17 38 41.4	0	17 39 07.2			
LFF		9	17 38 42.9	0	17 39 09.2			
VDCF		9	17 38 44.2	0	17 39 11.5			
MRB		9	17 38 47.0	0	17 39 14.0			
ETOR	E	0	17 38 47.4					70
OLT		4	17 38 48.0	4	17 39 19.0			
CAF		9	17 38 52.4	0	17 39 24.8			

16 feb 23h 34m 52.8s 36°55'N 04°50'W
rms ±0.9s mb 2.9 N. ARDALES.MA

EPRU	E	0	23 34 58.2	E 0	23 35 03.0	0.07	0.4	90
MAL	I	D	0 23 34 59.0	I 0	23 35 04.6	1.32	0.4	47
ALOJ	E	0	23 35 03.4	E 0	23 35 13.4			
ATEJ	E	0	23 35 03.7	E 0	23 35 12.1			
AAPN	E	0	23 35 05.7	E 0	23 35 16.6			
APHE	E	0	23 35 08.1					
EJIF	E	0	23 35 06.0	E 0	23 35 16.5	0.13	0.6	90
ACHM	E	0	23 35 07.6	E 0	23 35 18.6			
EHOR	E	0	23 35 10.0	E 0	23 35 22.6	0.03	0.4	45
ASMO	E	0	23 35 11.1	E 4	23 35 25.9			
AFC	E	0	23 35 14.0	E 0	23 35 29.0	0.02	0.3	72
EBAN	E	0	23 35 19.0	E 0	23 35 39.2	0.03	0.2	70
EVAL	E	9	23 35 24.2	E 0	23 35 46.0			55
EVIA	E	9	23 35 42.2	E 0	23 36 12.2	0.03	0.6	70
PAB	E	9	23 35 45.0	E 0	23 36 18.0			
TOL	E	4	23 35 49.0	E 4	23 36 31.0			
GUD	E	0	23 35 51.0					80

17 feb 15h 23m 23.8s 36°49'N 02°30'E 9Km
rms ±0.5s mb 3.4 W. ARGEL

ABA	I	0	15 23 31.0	I 0	15 23 38.0			
ACU	E	0	15 24 08.2	E 0	15 24 41.2	0.01	0.3	160
ESEL	E	0	15 24 09.8	E 0	15 24 44.0	0.03	0.3	230
ECHE	E	0	15 24 23.6	E 0	15 25 07.5			200
VIV	E	0	15 24 21.2	E 0	15 25 03.0			
ENIJ				E 0	15 25 04.6			
EVIA	E	0	15 24 29.3	E 0	15 25 18.8	0.02	0.3	190
ASMO	E	4	15 24 44.5	E 4	15 25 37.2			
EBAN				E 0	15 25 37.2			
APHE	E	4	15 24 43.5	E 4	15 25 35.0			
ALOJ	E	4	15 24 48.0	E 4	15 25 44.0			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EHOR	E	0	05 06 51.8	E 0	05 07 22.0	0.04	0.3	97
ECHE	E	0	05 06 52.5	E 0	05 07 20.8	0.05	0.5	100
EPRU	E	0	05 06 53.8					103
PAB	E	0	05 06 55.5	E 4	05 07 23.5			180
TOL	E	0	05 06 57.5	E 0	05 07 31.0			175
ETOR	E	0	05 07 06.8	E 0	05 07 46.2	0.02	0.4	132
Eval	E	0	05 07 07.3	E 0	05 07 50.0	0.02	0.5	93
GUD	E	0	05 07 08.9	E 0	05 07 48.4	0.03	0.5	140
EPLA	E	0	05 07 13.8					95
MTE	E	4	05 07 25.0	E 4	05 08 48.5			
ECRI	E	0	05 07 32.0					

21 feb 13h 25m 44.2s 37°52'N 01°38'W 8Km
rms ± 1.0s mb 2.6 SIERRA ESPUÑA.MU

EALH	I D	0	13 25 47.0	E 0	13 25 52.0	0.07	0.3	50
EVIA	E	0	13 26 02.0	E 0	13 26 16.0	0.02	0.3	43
ENIJ	E	0	13 26 02.0	E 0	13 26 14.0			
AFC	E	0	13 26 11.7	E 0	13 26 33.8			40
VIV	E	0	13 26 10.5					
EBAN	E	0	13 26 12.0	E 0	13 26 34.6			44
ASMO	E	0	13 26 13.0	E 0	13 26 37.0			
APHE	E	0	13 26 15.0					
AAPN	E	0	13 26 17.0	E 0	13 26 44.0			
ALOJ	E	4	13 26 22.0					

21 feb 15h 24m 34.4s 36°12'N 09°17'W
rms ± 0.8s mb 3.3 SW. CABO S.VICENTE

FIG	E	0	15 24 57.0	4	15 25 11.5			
FAR				0	15 25 12.5			
MTH	E	4	15 25 11.0	0	15 25 45.5			
MOE	E	0	15 25 11.9	I 0	15 25 38.5			
EJIF	E	0	15 25 21.0	E 0	15 25 55.0			54
NKM	E	0	15 25 23.0	I 0	15 25 57.3			
AVE	I	0	15 25 23.5	I 0	15 25 58.0			
EPRU	E	0	15 25 24.6					
EHOR	E	0	15 25 27.3	E 0	15 26 06.7	0.02	0.3	72
MTE	E	9	15 25 33.5	I 0	15 26 21.0			
IFR	I	0	15 25 37.0	I 4	15 26 22.5			
ALOJ	E	0	15 25 37.0	E 0	15 26 23.0			
AAPN	E	0	15 25 37.5	E 0	15 26 23.5			
ATEJ	E	0	15 25 37.8	E 0	15 26 24.0			
APHE	E	0	15 25 42.0	E 0	15 26 30.5			
ASMO	E	0	15 25 42.0	E 0	15 26 31.5			
EPLA	E	0	15 25 41.5	E 0	15 26 30.0	0.03	0.2	75
AFC	E	0	15 25 43.6	E 0	15 26 36.0			
EBAN	I	0	15 25 43.6	E 0	15 26 35.0	0.02	0.2	98
MVO				0	15 26 46.0			
TIO	I	0	15 25 53.3	I 0	15 26 53.2			
EVIA	E	0	15 25 58.6	E 0	15 27 02.5	0.03	0.2	
GUD	E	0	15 26 01.0	E 0	15 27 04.0			120
ETOR	E	0	15 26 19.0	E 0	15 27 37.6			120

24 feb 05h 54m 27.3s 37°51'N 01°54'W
rms ± 1.0s mb 2.8 SIERRA DEL ALMIREZ.MU

EALH	E	0	05 54 33.5	E 0	05 54 39.6	0.05	0.4	20
ENIJ	E	0	05 54 43.2					26
EVIA	E	0	05 54 43.6	E 0	05 54 56.5	0.06	0.3	50
EBAN	E	0	05 54 52.5	E 0	05 55 12.5			45
AFC	E	0	05 54 52.5	E 0	05 55 13.0			40
ASMO	E	0	05 54 53.8	E 0	05 55 15.5			
VIV	E	0	05 54 55.0	E 0	05 55 15.7			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
APHE	E	0	05 54 57.5					
AAPN	E	0	05 54 57.8	E 0	05 55 24.0			
ALOJ	E	0	05 55 00.0	E 4	05 55 28.0			
ATEJ	E	0	05 55 01.6	E 4	05 55 28.8			

24 feb 18h 18m 10.1s 38°10'N 08°29'W 5Km
rms ± 0.6s mb 3.3 GRANDOLA.PORT

MOE	I C	0	18 18 16.6	I 0	18 18 22.5			
LIS				E 0	18 18 36.0			
MTH	E	0	18 18 27.5	E 0	18 18 39.0			
AMR	E	0	18 18 28.0	E 0	18 18 41.6			
FIG	E	0	18 18 31.5	0	18 18 47.0			
Eval	E	0	18 18 36.5	E 0	18 18 56.0	0.05	0.2	45
MTE	E	9	18 18 51.0	E 0	18 19 19.5			
MVO				4	18 19 52.1			
EPLA	E	9	18 18 59.6	E 0	18 19 33.0			
EBAN				E 0	18 19 48.6			
GUD				E 0	18 20 01.0			

28 feb 09h 04m 26.5s 42°52'N 02°01'E 2Km
rms ± 0.6s mb 3.0 PUIVERT.FR

VDCF		0	09 04 33.0	0	09 04 38.0			
GRBF		0	09 04 33.0	0	09 04 38.1			
MTHF		0	09 04 33.9	0	09 04 39.5			
SALF		0	09 04 37.6	0	09 04 45.8			
ETER	I C	0	09 04 42.0	E 0	09 04 53.0	0.03	0.3	20
VIH		0	09 04 43.6	0	09 04 56.4			
EPF		0	09 04 49.0	0	09 05 05.6			
LPO		0	09 04 58.4					
MRB		0	09 04 50.7	0	09 05 06.5			
AVN		0	09 04 51.5	0	09 05 10.2			
CAF		0	09 05 00.0					
LFF		9	09 05 07.6	0	09 05 37.0			
EROQ	E	9	09 05 13.0	E 0	09 05 40.5	0.01	0.3	45

28 feb 13h 23m 43.2s 42°56'N 01°02'W 7Km
rms ± 0.9s mb 3.6 IV-V VALLE DE SALAZAR.NA

BOH	C	0	13 23 46.9					
ISSF	C	0	13 23 47.0					
LHE	C	0	13 23 48.1	E 0	13 23 52.6			
ATE	C	0	13 23 48.6	E 0	13 23 53.5			
MADF	C	0	13 23 48.7					
ESCF	C	0	13 23 49.7					
OGE	C	0	13 23 51.7					
EPF		0	13 24 01.0	4	13 24 13.0			
ECRI	I C	0	13 24 04.0					220
VIH		0	13 24 07.7	0	13 24 24.5			
MLS	E	0	13 24 10.8	E 4	13 24 35.0			
AVN	D	0	13 24 12.0	0	13 24 34.4			
SALF	E	0	13 24 12.0	4	13 24 37.0			
LESF	E	0	13 24 12.9					
GRBF	E	0	13 24 16.3	4	13 24 44.6			
ETOR	I D	0	13 24 19.6	E 0	13 24 46.0	0.29	0.4	270
MRB		0	13 24 23.6					
EROQ	E	0	13 24 20.0	E 0	13 24 48.0			210
LPO		0	13 24 20.4					
LFF		0	13 24 20.5					
VDCF	E	0	13 24 25.4					
EBR	E	4	13 24 26.0	E 4	13 25 00.0			
MTHF	E	0	13 24 26.5					
CAF		0	13 24 28.7	0	13 25 03.7			
ETER	E	0	13 24 30.0	E 0	13 25 04.0	0.21	0.4	160
GUD	I D	0	13 24 33.8	E 0	13 25 11.5	0.12	0.4	250

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
VIH	0	07 50	05.2					
ETOR	E	07 50	12.8					115
AFC	E	07 50	15.5					85
APHE	E	07 50	16.0	E 4	07 51 13.0			
ASMO	E	07 50	17.0					
EBAN	E	07 50	18.6					
ATEJ	E	07 50	19.0	E 4	07 51 20.0			
ALOJ	E	07 50	20.5	E 4	07 51 22.0			
AAPN	E	07 50	21.0	E 4	07 51 23.0			
ECRI	E	07 50	30.3					
GUD	E	07 50	31.0					110

02 mar 23h 15m 25.3s 42°12'N 01°57'W
rms ±0.5s mb 2.8 AUTOLLO

ECRI	I C	0	23 15 35.6	E 0	23 15 44.0	0.08	0.3	50
ETOR	E	0	23 15 49.0	E 0	23 16 06.0	0.02	0.3	50
GUD	E	0	23 16 02.2	E 0	23 16 28.0			48

04 mar 02h 52m 58.3s 35°49'N 01°25'E
rms ±0.9s mb 3.4 AMMI MOUSSA.ARG

ABA	E	0	02 53 25.5	E 0	02 53 48.5			
ENIJ	E	0	02 53 46.7	E 0	02 54 24.2	0.01	0.4	60
VIV	E	0	02 53 59.7	E 0	02 54 44.7			
ESEL	E	0	02 54 02.2					
IFR	E	4	02 54 11.0					
EBAN	E	0	02 54 12.0	E 0	02 55 05.5			85
EROQ	E	0	02 54 13.5					70
GUD	E	0	02 54 34.0					

05 mar 04h 37m 08.3s 36°31'N 07°38'W 31Km
rms ±0.8s mb 3.4 GOLFO DE CADIZ

FAR	I D	0	04 37 20.5	I 0	04 37 28.5			
Eval	E	0	04 37 28.5	E 0	04 37 45.7			130
EJIF	E	0	04 37 36.4	E 0	04 37 57.0	0.09	0.5	80
EPRU	E	0	04 37 39.7	E 0	04 38 01.0	0.03	0.3	85
MOE	E	0	04 37 40.0	I 0	04 38 05.0			
EHOR	I D	0	04 37 43.5	E 0	04 38 09.0	0.04	0.3	122
MTH	E	0	04 37 49.0	I 0	04 38 20.3			
AMR	E	0	04 37 49.5	I 0	04 38 20.0			
LIS	E	4	04 37 51.0	I 0	04 38 15.0			
ALOJ	E	0	04 37 51.6	E 0	04 38 24.8			
AAPN	I	0	04 37 52.1	E 0	04 38 25.2			
ATEJ	E	0	04 37 53.2	E 0	04 38 25.7			
AVE	I	0	04 37 56.0	I 0	04 38 31.5			
ASMO	E	0	04 37 56.3	E 0	04 38 33.2			
APHE	E	0	04 37 56.3	E 0	04 38 31.7			
AFC	E	0	04 37 58.0	E 0	04 38 35.0	0.03	0.4	100
EBAN	I C	0	04 37 59.0	E 0	04 38 37.0	0.06	0.3	155
MTE	E	9	04 37 59.0	I 0	04 38 41.3			
IFR	I	0	04 38 00.0	I 4	04 38 38.5			
COI		0	04 38 03.0		04 38 43.6			
EPLA	E	0	04 38 03.4	E 0	04 38 43.0	0.09	0.3	120
TOL	E	0	04 38 12.2	E 0	04 38 59.2	0.16	1.5	
PTO				I 0	04 39 05.7			
MVO	E	0	04 38 15.6	I 0	04 39 06.3			
GUD	E	0	04 38 19.6	E 0	04 39 12.7	0.01	0.3	160
TIO	I	0	04 38 27.5	I 4	04 39 27.0			
EZAM	I D	0	04 38 29.1					
ERUA	E	0	04 38 32.0					
ETOR	E	0	04 38 35.8	E 0	04 39 40.6	0.01	0.3	180
STS	E	0	04 38 39.2					
ECRI	E	0	04 38 52.0	E 0	04 40 08.4			150

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

05 mar 22h 15m 37.0s 37°02'N 03°38'W
rms ±0.7s mb 2.5 PADUL.GR

APHE	I	0	22 15 38.7	I 0	22 15 40.6			
CRT	E	0	22 15 39.1					
ACHM	E	0	22 15 39.5	E 0	22 15 43.0			
AFC	E	0	22 15 41.0	E 0	22 15 44.0	0.04	0.2	32
ATEJ	E	0	22 15 42.2	E 0	22 15 47.4			
ASMO	E	0	22 15 42.4	E 0	22 15 47.8			
ALOJ	I	0	22 15 42.9	E 0	22 15 48.9			
AAPN	E	0	22 15 46.1					
EBAN	E	0	22 15 58.5	E 0	22 16 14.6			29
EVIA	E	0	22 16 10.0					

06 mar 02h 44m 10.9s 37°20'N 02°01'W
rms ±0.8s mb 2.8 ZURGENA.AL

ENIJ	I C	0	02 44 17.9	E 0	02 44 22.5	0.06	0.2	35
EALH	E	0	02 44 24.7	E 0	02 44 34.0			28
AFC	E	0	02 44 32.5					32
EVIA	E	0	02 44 35.0	E 0	02 44 52.5	0.04	0.2	45
APHE	E	0	02 44 35.0					
ASMO	I	0	02 44 36.0	E 0	02 44 55.5			
EBAN	E	0	02 44 38.3	E 0	02 45 00.0	0.01	0.3	42
AAPN	E	0	02 44 40.8	E 4	02 45 04.5			
ALOJ	E	0	02 44 41.0	E 4	02 45 05.5			

08 mar 01h 37m 12.9s 36°55'N 03°33'W 627Km
rms ±0.7s mb 4.8 DURCAL.GR

AFC	I D	0	01 38 27.7	E 0	01 39 25.3	0.11	0.5	160
ALOJ	I	0	01 38 27.8	E 0	01 39 24.2			
ASMO	I	0	01 38 27.9	E 0	01 39 24.8			
ATEJ	I	0	01 38 28.0	E 0	01 39 24.9			
AAPN	I	0	01 38 28.1	E 0	01 39 24.6			
CRT	E	0	01 38 28.1					
MAL	I D	0	01 38 28.2	I 0	01 39 24.2	0.28	0.4	80
APHE	I	0	01 38 28.4	E 0	01 39 24.0			
ENIJ	I D	0	01 38 29.0	E 0	01 39 26.6			130
EBAN	I D	0	01 38 29.5	E 0	01 39 29.5			150
EPRU	I D	0	01 38 30.0	E 0	01 39 29.0	0.11	0.9	145
EJIF	I D	0	01 38 30.4	E 0	01 39 30.5	0.13	0.9	150
EHOR	I D	0	01 38 30.7					125
EMEL	I D	0	01 38 31.1					
NKM	I	0	01 38 32.0					
EALH	I D	0	01 38 32.0					140
EVIA	I D	0	01 38 32.2	E 0	01 39 32.0	0.12	0.9	150
TAF	I	0	01 38 32.5					
EVAL	I D	0	01 38 34.6					120
PAB	I D	0	01 38 35.5					220
TOL	I D	0	01 38 37.0	I 0	01 39 42.0	0.10	1.5	190
IFR	I	0	01 38 39.5					
ECHE	I C	0	01 38 40.0					160
EPLA	I D	0	01 38 41.3	E 0	01 39 50.8			115
GUD	I D	0	01 38 41.8	E 0	01 39 50.0	0.01	0.5	175
ETOR	I D	0	01 38 44.0					180
AVE	I	0	01 38 48.6					
EROQ	I C	0	01 38 50.4					
ECRI	I D	0	01 38 57.0					
ESEL	I C	0	01 38 57.3					
TIO	I	4	01 39 04.5					

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1990

I.G.N.

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

08 mar 02h 39m 16.6s 42°41'N 11°15'W
rms ±0.6s mb 3.6 ATLANTICO

EZAM	I D 0	02 39 47.1	E 0	02 40 09.5	0.06	0.2	98
STS	I C 0	02 39 47.4	E 0	02 40 10.0	0.11	0.2	132
EMON	I C 0	02 40 00.6	E 0	02 40 33.0	0.25	0.3	110
ERUA	E 0	02 40 02.5	E 0	02 40 35.0			80
MTE	I C 9	02 40 04.5	I 0	02 40 44.5			
COI	0	02 40 05.0					
MVO	E 0	02 40 09.0	I 0	02 40 47.5			
EPLA	E 0	02 40 24.9	E 0	02 41 16.3	0.03	0.3	90
GUD	I C 0	02 40 39.1	E 0	02 41 40.7	0.01	0.3	130
EVAL	E 0	02 40 44.5	E 0	02 41 50.0	0.01	0.3	90
ECRI	E 0	02 40 50.0	E 0	02 41 57.5			
EHOR	E 0	02 40 51.7	E 0	02 42 04.6			
EBAN	I C 0	02 40 59.9	E 0	02 42 18.0			105
MTH			0	02 41 00.5			
MOE	I D 0	02 40 23.8	I 4	02 41 13.5			
FIG	0	02 40 46.0					
ETOR	E 0	02 40 59.0					
EPF	0	02 41 17.6	4	02 42 43.7			
MFF	4	02 41 19.3	4	02 42 50.6			
LFF	4	02 41 20.4	4	02 42 53.4			

09 mar 01h 09m 53.2s 36°57'N 04°16'W 43Km
rms ±0.9s mb 3.3 RIOGORDO.MA

MAL	I C 0	01 09 59.3	I 0	01 10 05.0			
ATEJ	I 0	01 09 59.5	E 0	01 10 06.2			
ALOJ	I 0	01 09 59.7	E 0	01 10 06.0			
AAPN	I 0	01 10 01.7	E 0	01 10 09.6			
APHE	I 0	01 10 02.7	E 0	01 10 11.6			
ASMO	E 0	01 10 04.7	E 0	01 10 14.8			
CRT	E 0	01 10 05.1	E 0	01 10 14.4			
AFC	I 0	01 10 06.1	E 0	01 10 16.0	0.09	0.2	50
EPRU	I C 0	01 10 07.6	E 0	01 10 18.0	0.04	0.4	55
EJIF	I C 0	01 10 12.7	E 0	01 10 25.5	0.06	0.4	63
EBAN	I 0	01 10 13.0	E 0	01 10 28.0			60
EHOR	I 0	01 10 13.2	E 0	01 10 27.6	0.09	0.2	55
ENIJ	E 0	01 10 18.8					53
EMEL	E 0	01 10 22.5					
EVAL			E 0	01 10 48.3	0.03	0.3	50
EVIA	E 0	01 10 27.0	E 0	01 10 50.0	0.06	0.2	80
PAB	E 0	01 10 32.0	E 0	01 11 01.0			110
TOL	E 4	01 10 40.0	E 4	01 11 25.0			
EPLA	E 0	01 10 43.2			0.02	0.3	75
GUD	I D 0	01 10 46.8	E 0	01 11 30.0			90
ETOR	E 0	01 10 54.0	E 0	01 11 40.0			

09 mar 01h 58m 18.8s 37°09'N 04°29'W 5Km
rms ±1.0s mb 2.9 VILLANUEVA ALGAIDAS.MA

ALOJ	I 0	01 58 23.7	I 0	01 58 29.0			
AAPN	I 0	01 58 24.1	E 0	01 58 30.9			
ATEJ	I 0	01 58 26.0	E 0	01 58 32.2			
MAL	E 0	01 58 26.3	I 0	01 58 32.5			
ASMO	E 0	01 58 29.6	E 0	01 58 40.2			
APHE	E 0	01 58 29.8	E 0	01 58 40.7			
EPRU	E 0	01 58 31.4			0.01	0.3	35
AFC	E 0	01 58 33.7	E 0	01 58 44.0	0.02	0.3	37
PAB	E 4	01 58 35.0	E 4	01 59 33.0			110
EHOR	E 0	01 58 35.0	E 0	01 58 46.6	0.04	0.2	40
EBAN	I 0	01 58 39.8	E 0	01 58 54.0	0.03	0.2	50
EJIF	E 0	01 58 39.8			0.01	0.3	50

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

TOL E 4 01 58 43.0 E 4 01 59 46.0 90
EVAL E 0 01 58 49.3 0.02 0.3 42
ENIJ E 0 01 58 51.2 40
EVIA E 0 01 58 55.6 E 0 01 59 19.4 0.01 0.3 62

09 mar 14h 03m 36.2s 41°14'N 02°19'E
rms ±0.5s mb 2.4 SE. BARCELONA

MRB	0	14 03 45.5					
FONT	0	14 03 45.9					
OLT	0	14 03 52.6					
ETER	E 0	14 03 57.4	E 0	14 04 12.7			20
EROQ	E 9	14 04 08.7	E 0	14 04 30.0			28

09 mar 20h 58m 08.1s 39°12'N 10°24'W 23Km
rms ±0.7s mb 3.7 W. LISBOA

MTH	I D 0	20 58 25.6	I 0	20 58 40.0			
LIS	I D 0	20 58 27.0	I 0	20 58 41.4			
AMR	I 0	20 58 50.0					
MOE	I D 0	20 58 35.5	I 0	20 58 56.0			
COI	I C 0	20 58 37.7	I 0	20 59 00.3			
MTE	I C 9	20 58 41.5	I 0	20 59 11.3			
PTO	I C 0	20 58 45.2	I 0	20 59 13.1			
FAR	I C 0	20 58 53.5	E 4	20 59 32.0			
FIG	I D 0	20 58 53.7	I 0	20 59 25.0			
EZAM	I C 0	20 58 56.5	E 0	20 59 32.0	0.12	0.3	100
EVAL	I D 0	20 58 56.8	E 0	20 59 32.6	0.08	0.2	100
EPLA	E 0	20 59 00.0	E 0	20 59 37.5	0.10	0.3	110
STS	E 0	20 59 06.0	E 0	20 59 49.2	0.05	0.3	110
ERUA	E 0	20 59 08.0	E 0	20 59 52.0			110
EHOR	I C 0	20 59 10.5	E 0	20 59 57.2	0.03	0.4	120
TOL	E 4	20 59 12.0	E 0	21 00 14.5	0.02	0.7	160
EPRU	E 0	20 59 16.0	E 0	21 00 07.0	0.02	0.4	80
PAB	I C 0	20 59 17.0	E 0	21 00 08.0			320
EJIF	E 0	20 59 18.0	E 0	21 00 10.7			
EMON	I 0	20 59 18.2	E 0	21 00 10.5	0.08	0.4	90
GUD	E 0	20 59 21.5	E 0	21 00 16.0	0.02	0.3	180
EBAN	E 0	20 59 24.0	E 0	21 00 21.5	0.04	0.2	150
AAPN	E 0	20 59 25.0	E 0	21 00 22.4			
ALOJ	E 0	20 59 26.5	E 0	21 00 25.1			
ASMO			E 4	21 00 26.9			
ATEJ	I 0	20 59 28.5	E 0	21 00 29.2			
APHE	E 0	20 59 31.5	E 0	21 00 33.9			
AVE	E 4	20 59 37.5	E 4	21 00 43.0			
ETOR	E 0	20 59 43.7	E 0	21 00 54.0	0.01	0.3	180
ECRI	E 0	20 59 47.0	E 0	21 01 03.4			
IFR	I 4	20 59 48.0	I 4	21 01 01.0			
ECHE	E 0	20 59 53.8	E 0	21 01 11.6			
TIO	I 4	20 59 68.5	I 4	21 01 36.0			
EPF	0	20 59 76.5	4	21 01 50.5	0.01	0.4	
LFF	0	20 59 90.6					
MFF	0	20 59 96.5					
RJF	0	20 59 99.4					

11 mar 08h 28m 30.4s 36°48'N 02°36'E 22Km
rms ±1.0s mb 4.0 W. ARGEL

ABA	E 0	08 28 36.0	E 0	08 28 42.0			
ACU	E 0	08 29 14.0	E 0	08 29 46.2	0.07	0.3	200
ESEL	I D 0	08 29 16.0	E 0	08 29 49.2	0.08	0.3	220
EALH	E 0	08 29 21.6	E 0	08 29 59.4			
VIV	E 0	08 29 27.0	E 0	08 30 09.0			
ENIJ	E 0	08 29 27.0	E 0	08 30 09.0	0.01	0.3	80
PAB	I C 4	08 29 28.5	I 0	08 31 06.0			
ECHE	E 0	08 29 29.5	E 0	08 30 12.0	0.05	0.3	200

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EROQ	E	0	08 29 35.0	E 0	08 30 22.5	0.04	0.3	130
EVIA	E	0	08 29 35.2	E 0	08 30 24.0	0.06	0.3	
MRB		0	08 29 41.5					
APHE	E	0	08 29 45.4	E 0	08 30 40.0			
EBAN	E	0	08 29 46.0	E 0	08 30 43.0	0.01	0.3	110
ASMO	E	4	08 29 47.3	E 4	08 30 43.0			
AVN		4	08 29 49.6					
OLT		0	08 29 49.2					
ALOJ	E	0	08 29 50.5	E 0	08 30 48.5			
AAPN	E	0	08 29 50.5					
ATEJ	E	4	08 29 51.0	E 0	08 30 46.0			
ETER	E	0	08 29 51.7					
ETOR	E	0	08 29 51.0			0.01	0.4	120
TOL	E	4	08 30 02.0	E 4	08 31 17.0	0.02	1.0	130
GUD	E	0	08 30 05.0	E 0	08 31 15.0			115
EPF		4	08 30 06.1		08 31 13.8			
LMR		0	08 30 14.9		08 31 29.0			
LRG		0	08 30 16.1		08 31 31.6			
FRF		0	08 30 17.7		08 31 36.4			

13 mar 09h 20m 51.2s 35°01'N 03°44'W 16Km
rms ±0.9s mb 3.1 TAFERSITE.MAC

EMEL	I D	0	09 21 03.6	E 0	09 21 13.0			90
TAF	I	0	09 21 12.0	I 0	09 21 27.0			
NKM	I	0	09 21 15.0	I 4	09 21 36.0			
ATEJ	E	4	09 21 19.4	E 0	09 21 43.6			
APHE	E	4	09 21 19.5	E 4	09 21 43.5			
IFR	I	0	09 21 22.0	I 0	09 21 43.5			
ALOJ	E	0	09 21 23.4	E 0	09 21 50.0			
EJIF	E	0	09 21 23.7	E 0	09 21 47.0	0.02	0.5	75
ENIJ	E	0	09 21 26.0	E 0	09 21 53.0	0.01	0.4	65
AFC	E	0	09 21 26.5	E 0	09 21 54.0			63
EPRU	E	0	09 21 27.7	E 0	09 21 54.0	0.01	0.4	65
ASMO	E	0	09 21 28.0					
AAPN	E	0	09 21 28.0					
EHOR	E	0	09 21 39.7	E 0	09 22 14.2			
AVE	I	4	09 21 51.0	I 0	09 22 23.0			
EBAN				E 0	09 22 15.0			
PAB	E	0	09 21 58.5	E 4	09 22 52.0			120
TIO	I	0	09 22 05.0	I 0	09 23 02.0			

13 mar 14h 58m 22.0s 43°07'N 00°03'W 2Km
rms ±0.6s mb 3.7 IV LOURDES.FR

EPF		0	14 58 27.8		14 58 31.9			
OGE	C	0	14 58 28.0					
ESCF		0	14 58 28.6		14 58 34.1			
LHE	C	0	14 58 29.9					
ATE		0	14 58 30.4		14 58 37.4			
ISSF	D	0	14 58 32.0		14 58 39.8			
MADF		0	14 58 32.4		14 58 41.0			
VIH		0	14 58 35.9		14 58 46.1			
AVN	D	0	14 58 47.1					
LPO		0	14 58 52.3			0.15	0.3	
LFF		0	14 58 54.6			0.10	0.3	
ECRI	I	0	14 58 55.2	E 0	14 59 18.3	0.07	0.2	135
MRB		9	14 58 59.5		14 59 26.7			
CAF		0	14 59 00.1			0.05	0.3	
RJF		0	14 59 01.2					
OLT		9	14 59 01.5		14 59 29.2			
EROQ	E	9	14 59 04.0	E 0	14 59 32.2	0.06	0.3	130
EBR	E	4	14 59 04.0	E 4	14 59 35.0			
ETER	E	9	14 59 06.2	E 0	14 59 35.5	0.04	0.4	70
ETOR	E	0	14 59 06.0	E 0	14 59 38.2	0.02	0.3	135

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
LSF		0	14 59 14.2					
GUD	E	0	14 59 23.2	E 0	15 00 07.8			110
ESEL	E	0	14 59 24.4					
PAB	E	0	14 59 34.0	E 4	15 00 27.0			125

15 mar 18h 46m 03.7s 37°26'N 01°21'E
rms ±0.7s mb 3.1 MEDITERRANEO

ABA	I	9	18 46 23.5	E 0	18 46 39.5			
ACU	E	0	18 46 30.6	E 0	18 46 50.5			65
EALH	E	0	18 46 38.0	E 0	18 47 02.6			
ESEL	E	0	18 46 42.5	E 0	18 47 13.0	0.03	0.3	75
ENIJ	E	9	18 46 44.0	E 0	18 47 16.0			70
VIV	E	0	18 46 44.0	E 0	18 47 13.0			
ECHE	E	0	18 46 46.0	E 0	18 47 17.0	0.03	0.3	70
EVIA	E	0	18 46 51.6	E 0	18 47 28.0	0.05	0.3	110
EROQ	I D	0	18 46 55.0	E 0	18 47 33.2	0.02	0.3	70
APHE	E	0	18 47 02.5	E 0	18 47 48.5			
EBAN	E	0	18 47 03.0	E 0	18 47 50.0			
ASMO	E	0	18 47 04.0	E 4	18 47 51.5			
ATEJ	E	0	18 47 06.5					
ALOJ	E	0	18 47 07.5	E 0	18 47 56.8			
AAPN	E	0	18 47 08.0					
AVN		0	18 47 09.4					
OLT		0	18 47 14.0		18 48 05.7			
PAB	I	0	18 47 14.5	E 0	18 48 10.0			
GUD	E	0	18 47 21.8	E 0	18 48 19.0			

16 mar 07h 05m 27.3s 41°21'N 01°38'E 2Km
rms ±0.5s mb 3.0 VILAFRANCA PENEDES.B

FBR	C	0	07 05 33.8		07 05 38.5			
FONT	C	0	07 05 40.3		07 05 50.0			
AVN	C	0	07 05 43.1		07 05 53.7			
SQD		0	07 05 43.8					
OLT	D	0	07 05 45.5		07 05 55.7			
EBR				E 0	07 05 59.0			
EROQ	E	0	07 05 47.0	E 0	07 06 01.2	0.07	0.3	50
ETER	E	0	07 05 51.8	E 0	07 06 09.0	0.07	0.3	36
VDCF		0	07 05 52.0		07 06 09.7			
VIH		0	07 05 53.5		07 06 11.6			
SALF		0	07 05 53.7		07 06 12.7			
GRBF		0	07 05 54.0					
MTHF		0	07 05 58.2		07 06 21.7			
LESF		0	07 05 58.5					
EPF		9	07 06 02.9		07 06 27.7			

16 mar 18h 23m 59.3s 37°04'N 07°14'W 3Km
rms ±0.9s mb 3.2 GOLFO DE CADIZ

FIG	I C	0	18 24 08.0	I 0	18 24 14.2			
FAR	E	0	18 24 10.5	I 0	18 24 18.5			
EVIA	I C	0	18 24 11.0	E 0	18 24 18.5			140
EJIF	E	0	18 24 26.8	E 0	18 24 47.2	0.04	0.3	100
EPRU	E	0	18 24 26.8	E 0	18 24 50.0	0.08	0.5	85
MOE	E	0	18 24 27.0	I 4	18 24 47.0			
EHOR	E	0	18 24 30.5	E 0	18 24 51.6	0.07	0.3	106
NKM	I	0	18 24 36.0	I 0	18 25 03.0			
AMR	E D	0	18 24 38.5	I 0	18 25 06.5			
AAPN	I	0	18 24 38.7	E 0	18 25 11.0			
ALOJ	I	0	18 24 39.0	E 0	18 25 11.0			
ATEJ	E	0	18 24 40.7	E 4	18 25 17.5			
MTH	E	9	18 24 41.5	I 0	18 25 10.0			
MTE	E	4	18 24 42.3	I 4	18 25 19.0			
ASMO	E	0	18 24 43.3	E 4	18 25 24.5			
EBAN	E	0	18 24 44.0			0.04	0.3	140

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
LIS	I	D	4 18 24 46.9	I 0	18 25 04.6			
APHE	E	4	18 24 48.5	E 4	18 25 22.0			
ACHM				E 4	18 25 23.8			
PAB	E	4	18 24 49.0	E 0	18 25 32.0			200
COI	E	4	18 24 55.3	I 4	18 25 37.6			
AVE	E	0	18 24 56.0	I 4	18 25 37.0			
IFR	I	0	18 25 00.0	I 4	18 25 42.0			
EVIA	E	0	18 25 00.5	E 0	18 25 46.5	0.05	0.5	130
TOL				E 4	18 25 48.0			
GUD	E	0	18 25 04.6	E 0	18 25 52.8	0.03	0.4	145
MVO	E	0	18 25 02.5	E 4	18 25 42.2			
TIO	I	0	18 25 28.5	I 4	18 26 34.5			
PTO	E	4	18 25 45.5	E 4	18 26 09.0			

18 mar 10h 10m 42.3s 37°07'N 07°16'W
rms ±0.8s mb 3.0 GOLFO DE CADIZ

FIG	I	C	0 10 10 50.2	I 0	10 10 56.5			
FAR				0	10 11 00.7			
EVIA	I	C	0 10 10 54.1	E 0	10 11 01.8	0.19	0.2	52
MOE	E	0	10 11 11.2	I 0	10 11 32.0			
EHOR				E 0	10 11 37.0			36
EBAN	E	0	10 11 27.5					
MTE				4	10 12 17.0			

18 mar 15h 03m 47.8s 40°31'N 02°48'W 10Km
rms ±0.3s mb 2.6 AUÑON.GU

ETOR	E	0	15 03 59.8	E 0	15 04 08.0	0.02	0.2	37
GUD	E	0	15 04 06.0	E 0	15 04 20.6			37
ECHE	E	0	15 04 16.0	E 0	15 04 37.8			30
EVIA	E	0	15 04 19.1	E 0	15 04 41.8	0.02	0.3	40

19 mar 00h 38m 27.6s 43°02'N 00°22'W
rms ±0.7s mb 2.5 VALLEE D'OSSAU.FR

JAU	0	00	38 28.8					
OGE	0	00	38 29.7					
ESCF	0	00	38 30.2	0	00 38 33.0			
ATE	0	00	38 31.8	0	00 38 35.9			
EPF	0	00	38 36.3	0	00 38 44.2			
ECRI	E	9	00 38 58.5	E 0	00 39 21.0	0.01	0.3	
LPO	9	00	39 02.9	0	00 39 28.6			
LFF	9	00	39 04.2	0	00 39 30.8			
CAF	9	00	39 13.7	0	00 39 45.8			

19 mar 23h 10m 27.8s 38°54'N 03°10'W
rms ±0.6s mb 2.5 W. ALHAMBRA.CR

EVIA	I	C	0 23 10 39.0	E 0	23 10 45.8	0.07	0.2	30
EBAN	I	C	0 23 10 44.0	E 0	23 10 55.0	0.03	0.2	40
PAB	E	0	23 10 47.0	E 0	23 11 02.5			50
TOL	E	4	23 10 53.0	E 0	23 11 06.0			
GUD				E 0	23 11 21.3			35
ETOR	E	0	23 11 01.5					

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
21 mar 10h 48m 32.4s 38°38'N 00°28'W 2Km rms ±0.6s mb 2.9 II-III ALCOY.A								
ACU	I	C	0 10 48 34.7	E 0	10 48 36.0			65
VIV	E	0	10 48 48.0	E 0	10 48 58.0			
ECHE	E	0	10 48 51.4	E 0	10 49 05.0	0.04	0.3	60
EALH	E	0	10 48 53.0					
EVIA	E	0	10 49 00.0	E 0	10 49 21.0	0.05	0.3	95
EROQ	E	0	10 49 10.2	E 0	10 49 38.5			60
EBAN	E	0	10 49 14.4	E 0	10 49 46.8	0.01	0.4	
ASMO	E	0	10 49 19.2	E 0	10 49 53.5			
PAB	E	0	10 49 21.5	E 0	10 49 58.0			115
AAPN	E	0	10 49 23.0	E 0	10 50 00.0			
APHE	E	4	10 49 24.0					
GUD	E	0	10 49 27.5	E 0	10 50 08.5			
TOL	E	9	10 49 35.0	E 4	10 50 09.0	0.02	0.4	85

22 mar 18h 27m 18.4s 36°25'N 03°08'W 14Km
rms ±0.6s mb 2.8 ALBORAN

APHE	I	0	18 27 31.3	E 0	18 27 41.2			
ATEJ	I	0	18 27 33.0	E 0	18 27 45.4			
ACHM	E	0	18 27 34.5	E 0	18 27 46.6			
AFC	E	0	18 27 35.0	E 0	18 27 45.6	0.02	0.3	30
ENIJ	E	0	18 27 35.4	E 0	18 27 47.0	0.05	0.3	40
ALOJ	E	0	18 27 37.6	E 0	18 27 50.3			
ASMO	E	0	18 27 38.1	E 0	18 27 52.4			
AAPN				E 0	18 27 55.0			
EJIF				E 0	18 28 11.6			
EBAN	E	9	18 27 52.0	E 0	18 28 14.6			

23 mar 03h 16m 03.6s 36°28'N 09°42'W
rms ±0.9s mb 3.7 SW. CABO SAN VICENTE

LIJA	I	4	03 16 32.0					
FIG	E	9	03 16 32.5	I 0	03 16 52.0			
FAR	E	4	03 16 36.5	E 4	03 16 48.7			
LIS	I	D	0 03 16 38.7	I 0	03 17 05.0			
MOE	I	D	0 03 16 39.5	I 0	03 17 06.0			
MTH	I	C	0 03 16 41.0	I 0	03 17 09.2			
EVIA	E	0	03 16 43.6	E 0	03 17 12.0	0.22	0.2	122
AMR	E	0	03 16 46.7	I 0	03 17 16.5			
CNIL	I	0	03 16 48.5					
GIBL	I	0	03 16 50.0					
ALJ	I	0	03 16 52.0					
EJIF	E	0	03 16 55.0	E 0	03 17 32.5	0.03	0.4	110
NKM	E	0	03 16 55.0	E 4	03 17 32.0			
OJEN	I	0	03 16 55.5					
AVE	I	0	03 16 57.5	I 4	03 17 33.0			
EPRU	E	0	03 16 58.0	E 0	03 17 36.2	0.03	0.3	112
EHOR	E	0	03 16 59.8	E 0	03 17 40.0	0.05	0.3	108
COI	I	C	0 03 17 00.4	I 0	03 17 42.3			
MTE	I	C	9 03 17 01.0	I 0	03 17 48.0			
EPLA	I	C	0 03 17 10.2	E 0	03 18 00.0	0.12	0.3	120
IFR	I	0	03 17 11.0	E 4	03 17 59.0			
AAPN	E	0	03 17 11.0	E 4	03 17 57.2			
ALOJ	E	0	03 17 11.0	E 4	03 17 56.3			
ATEJ	E	0	03 17 11.5	E 0	03 17 59.0			
PTO	I	C	0 03 17 11.9	I 0	03 18 03.0			
ACHM				E 0	03 18 04.0			
APHE	E	0	03 17 15.3	E 4	03 18 04.4			
ASMO	E	4	03 17 16.5	E 0	03 18 05.8			
EBAN	E	0	03 17 16.0	E 0	03 18 09.0	0.04	0.3	140
AFC	E	0	03 17 16.7	E 0	03 18 11.6	0.01	0.3	100
MVO	E	0	03 17 17.7	I 0	03 18 13.7			
PAB	E	0	03 17 18.5	E 4	03 18 13.0			175
TOL	E	0	03 17 24.0	E 0	03 18 25.0	0.01	0.6	150

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EZAM	E	0	03 17 25.7	E 0	03 18 27.5	0.01	0.3	85
TIO	I	0	03 17 26.5	I 4	03 18 25.5			
GUD	E	0	03 17 29.9	E 0	03 18 35.0	0.03	0.3	150
EVA	E	0	03 17 31.4	E 0	03 18 36.3	0.05	0.3	140
ERUA	E	0	03 17 33.0	E 0	03 18 41.2			85
STS	E	0	03 17 35.8	E 0	03 18 45.0			100
EMON	E	0	03 17 45.1	E 0	03 19 02.3	0.03	0.3	
ETOR	E	0	03 17 49.0	E 0	03 19 08.5	0.02	0.3	175
MAL	I D	4	03 17 54.8					
ECRI	E	0	03 18 02.2					110
EPF	0	03 18 26.9	4	03 20 12.2	0.02	0.5		
LFF	4	03 18 45.8						
LPO	4	03 18 46.5						
RJF	4	03 18 53.4	4	03 21 03.0				

23 mar 04h 17m 43.6s 42°46'N 04°34'W 5Km
rms ±0.9s mb 3.2 III S. CERVERA PISUERGA.PA

ECRI	I D	0	04 18 11.6	E 0	04 18 30.0	0.25	0.2	110
ERUA	E	0	04 18 15.0	E 0	04 18 38.5	0.03	0.3	75
GUD	E	0	04 18 18.5	E 0	04 18 45.5	0.06	0.3	125
EMON	E	0	04 18 19.0	E 0	04 18 45.0	0.20	0.2	85
MVO	E	9	04 18 28.2	I 0	04 18 58.2			
EPLA	E	0	04 18 30.0	E 0	04 19 03.5	0.05	0.3	105
STS	E	0	04 18 30.5	E 0	04 19 05.0	0.01	0.3	
ETOR	E	9	04 18 36.6	E 0	04 19 08.0	0.02	0.3	110
MTE	E	4	04 18 39.5	E 4	04 19 20.0			
EPF	0	04 18 40.4	0	04 19 19.8				
TOL	E	9	04 18 41.0	E 4	04 19 17.5			100
PAB	E	4	04 18 44.0	I 4	04 19 26.0			120
AVN	0	04 18 45.4						
EROQ				E 0	04 19 35.5	0.01	0.3	
LFF	0	04 18 48.6	4	04 19 36.4	0.01	0.3		
LPO	0	04 18 51.3	4	04 19 41.6				
MFF	4	04 18 54.6	4	04 19 46.6				
MOE				E 4	04 19 53.5			

24 mar 23h 16m 34.2s 37°45'N 01°29'W 3Km
rms ±0.8s mb 3.0 TOTANA.MU

EALH	I D	0	23 16 36.7	E 0	23 16 39.0			95
ENIJ	I D	0	23 16 50.8	E 0	23 17 05.0	0.06	0.3	90
ACU	E	0	23 16 55.1	E 0	23 17 11.0	0.03	0.5	66
EVA	I	0	23 16 56.0	E 0	23 17 12.0	0.35	0.3	53
VIV	E	0	23 17 02.0	E 0	23 17 22.0			
AFC	E	0	23 17 04.0	E 0	23 17 26.3	0.03	0.4	65
EBAN	E	0	23 17 05.0	E 0	23 17 28.8	0.03	0.3	100
ASMO	I	0	23 17 07.0	E 4	23 17 32.4			
APHE	E	4	23 17 09.0	E 4	23 17 39.5			
AAPN	E	0	23 17 10.5	E 4	23 17 40.5			
ACHM	E	4	23 17 10.6					
ECHE	E	0	23 17 05.5	E 0	23 17 28.0	0.03	0.3	52
ALOJ	E	4	23 17 12.5					
ATEJ	E	4	23 17 13.0	E 4	23 17 43.0			
PAB	E	0	23 17 18.0	E 4	23 17 49.5			125
EHOR				E 0	23 17 57.2			
TOL	E	9	23 17 29.0	E 0	23 18 05.5	0.01	0.8	90
ETOR	E	9	23 17 35.0	E 0	23 18 11.3	0.02	0.4	82
GUD	E	9	23 17 42.7	E 0	23 18 23.6			103

27 mar 00h 02m 43.9s 43°05'N 04°28'W 5Km
rms ±0.9s mb 3.1 III SIERRA PEÑA LABRA.S

ECRI	I D	0	00 03 10.6	E 0	00 03 30.8	0.12	0.3	120
ERUA	E	0	00 03 19.6	E 0	00 03 43.0	0.02	0.3	
EMON	I D	0	00 03 20.0	E 0	00 03 47.0	0.16	0.3	70

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
GUD	E	0	00 03 23.0	E 0	00 03 52.0	0.03	0.3	125
TOL	E	4	00 03 29.0	E 4	00 04 17.0			85
STS	E	0	00 03 31.8	E 0	00 04 05.5			
ETOR	E	9	00 03 35.8	E 0	00 04 10.5	0.01	0.4	90
EPLA	E	0	00 03 36.2	E 0	00 04 13.5	0.03	0.3	80
EPF	0	00 03 39.6	0	00 04 20.2				
PAB	E	9	00 03 43.0	E 0	00 04 25.0			110
LFF	0	00 03 47.4	0	00 04 36.6				
LPO	0	00 03 50.6	0	00 04 40.6				
MFF	0	00 03 53.7	0	00 04 47.0				

27 mar 03h 32m 13.5s 43°11'N 00°37'W 4Km
rms ±0.9s mb 3.4 IV OLORON-STE-MARIE.FR

ATE	D	0	03 32 15.4	E 0	03 32 17.0			
ESCF	C	0	03 32 15.5					
ISSF	C	0	03 32 16.6	E 0	03 32 19.0			
MADF	D	0	03 32 16.9					
OGE	D	0	03 32 17.0					
LHE	C	0	03 32 17.1	E 4	03 32 19.6			
JAU	C	0	03 32 18.0	E 0	03 32 21.5			
BOH	0	03 32 19.2	E 0	03 32 23.3				
EPF	0	03 32 27.0	0	03 32 37.2				
VIH	D	0	03 32 34.1	0	03 32 48.8			
AVN	0	03 32 42.2	0	03 33 03.6				
ECRI	I D	0	03 32 41.4	E 0	03 33 01.0			135
LPO	0	03 32 47.2				0.04	0.2	
LFF	0	03 32 47.6				0.05	0.3	
MRB	0	03 32 53.7						
CAF	0	03 32 55.0	0	03 33 26.0	0.03	0.2		
EROQ	E	0	03 32 55.0	I 0	03 33 24.0	0.19	0.3	110
ETOR	E	0	03 32 55.2	I 0	03 33 26.0	0.04	0.3	150
RJF	0	03 32 56.0						
EBR	E	9	03 32 58.0	E 0	03 33 29.0			
OLT	9	03 33 00.5	0	03 33 32.0				
ETER	E	9	03 33 03.3	E 0	03 33 35.6	0.05	0.3	75
LSF	0	03 33 05.5	0	03 33 45.4				
MFF	0	03 33 06.0	0	03 33 45.2				
TCF	0	03 33 09.0	0	03 33 51.8				
GUD	I D	0	03 33 10.0	I 0	03 33 51.0	0.01	0.4	130
ECHE	E	9	03 33 21.0	E 0	03 34 02.2	0.03	0.4	
PAB	E	0	03 33 22.5	E 0	03 34 13.0			160
ERUA	E	0	03 33 27.4	0	03 34 22.7			
EMON				0	03 34 23.9			
EPLA	E	0	03 33 30.0	E 0	03 34 27.2	0.02	0.3	110
EBAN	E	0	03 33 34.3					125
EZAM	E	0	03 33 42.9					

27 mar 10h 41m 10.7s 43°07'N 00°38'W 4Km
rms ±0.5s mb 3.2 III OLORON-STE-MARIE.FR

ATE	D	0	10 41 11.8	E 0	10 41 13.0			
ESCF	D	0	10 41 11.9	E 0	10 41 13.3			
ISSF	C	0	10 41 12.9	E 0	10 41 15.3			
MADF	D	0	10 41 13.2	E 0	10 41 15.7			
OGE	D	0	10 41 13.4					
JAU	0	10 41 14.4	E 0	10 41 18.0				
BOH	D	0	10 41 15.5	E 0	10 41 19.5			
EPF	0	10 41 23.6	0	10 41 34.0				
VIH	0	10 41 31.5	0	10 41 46.5				
SALF	0	10 41 35.9	0	10 41 54.7				
ECRI	I	0	10 41 37.5	E 0	10 41 57.5	0.10	0.3	65
GRBF	9	10 41 40.8	0	10 42 02.0				
AVN	9	10 41 40.8	0	10 42 00.6				
LPO	0	10 41 43.7				0.02	0.3	
LFF	4	10 41 48.8	4	10 42 17.7	0.02	0.3		
ETOR	E	0	10 41 51.4	E 0	10 42 21.6			80
CAF	0	10 41 52.6				0.01	0.2	

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

RJF 0 10 41 53.2
MRB 9 10 41 55.4 0 10 42 26.2
EROQ E 9 10 41 58.8 E 0 10 42 26.8 0.02 0.3 65
EBR E 4 10 42 27.0
GUD E 0 10 42 06.5 E 0 10 42 48.0

29 mar 03h 10m 21.7s 38°19'N 00°10'E 9Km
rms ±0.9s mb 3.6 II-III E. ALICANTE

ACU I 0 03 10 30.5 195
EALH I 0 03 10 43.6 E 0 03 11 02.0 0.24 0.5 170
VIV I C 0 03 10 46.0 E 0 03 11 03.2
ECHE I D 0 03 10 48.0 E 0 03 11 08.0 0.49 0.5 200
EVIA I D 0 03 10 55.6 E 0 03 11 21.0 0.56 0.5 190
ENIJ E 0 03 10 57.8 E 0 03 11 26.0 0.07 0.5 150
EBR E 0 03 11 01.0 E 4 03 11 40.0
EROQ E 0 03 11 01.2 E 0 03 11 32.0 0.13 0.5 180
EBAN E 0 03 11 08.6 E 0 03 11 45.0 0.05 0.4 170
AFC E 0 03 11 10.0 E 0 03 11 47.7 0.09 0.6 170
ETOR E 0 03 11 10.6 E 0 03 11 45.0 0.16 0.5 250
ASMO I 0 03 11 12.0 E 4 03 11 52.0
CRT E 4 03 11 13.5
APHE E 0 03 11 14.8
ACHM E 0 03 11 15.0 E 4 03 12 06.0
MRB 0 03 11 15.0
AAPN E 0 03 11 15.7
AVN 0 03 11 17.2
ALOJ E 0 03 11 17.5
PAB I 0 03 11 17.5 E 4 03 11 56.0 300
TOL E 0 03 11 17.5 I 0 03 11 59.6 0.22 1.0 315
ATEJ E 0 03 11 18.2
EHOR E 0 03 11 24.3 E 0 03 12 14.0 0.02 0.4
GUD E 0 03 11 23.0 E 0 03 12 08.7 0.05 0.4 220
OLT 0 03 11 25.0
VIH 0 03 11 27.2
ETER E 0 03 11 28.2 E 0 03 12 20.0
EPF 0 03 11 32.1 0.06 0.8
ECRI I C 0 03 11 34.3 E 0 03 12 24.0 0.06 0.4 210
EPLA E 0 03 11 38.0 E 0 03 12 35.0 0.10 0.5 190
MTE E 4 03 11 50.0 I 4 03 12 14.0
MOE 4 03 12 50.5
MVO E 0 03 11 53.9 E 0 03 13 03.4
LPO 0 03 11 55.0 0.04 1.0
LFF 0 03 11 57.5 0.04 1.0
CAF 0 03 11 59.1 4 03 13 02.2 0.02 1.0
COI E 0 03 13 19.3
ERUA E 0 03 12 02.1 0 03 13 20.0
MTH 0 03 13 30.0
PTO I 4 03 13 37.8

31 mar 16h 58m 49.4s 35°21'N 04°44'W
rms ±0.8s mb 2.9 N. JEBHA

NKM I 0 16 59 00.0 I 0 16 59 08.0
EJIF E 0 16 59 10.0 E 0 16 59 24.8 0.03 0.5 55
ATEJ I 0 16 59 14.6 E 0 16 59 34.1
EPRU E 0 16 59 15.6 E 0 16 59 34.5 40
APHE E 0 16 59 17.1 E 0 16 59 37.8
ALOJ E 0 16 59 18.0 E 0 16 59 39.0
IFR I 0 16 59 18.5 I 0 16 59 39.0
AAPN E 0 16 59 22.3
AFC E 0 16 59 23.5
ASMO E 0 16 59 23.7
EHOR E 0 16 59 25.7
EBAN I C 0 16 59 33.0 E 0 17 00 04.4 0.02 0.2 75
AVE E 0 16 59 35.0 I 4 17 00 04.0
MOE 4 16 59 49.0 E 4 17 00 32.0
TIO I 0 16 59 59.5 I 4 17 00 51.0

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

01 abr 00h 20m 57.3s 37°59'N 05°35'W 3Km
rms ±0.9s mb 3.2 II-III S.NICOLAS PUERTO.SE

EHOR I C 0 00 21 03.6 E 0 00 21 07.8 90
EVAL I C 0 00 21 16.0 E 0 00 21 28.5 0.13 0.2 75
EPRU E 0 00 21 16.5 E 0 00 21 30.0 0.03 0.3 56
AAPN E 0 00 21 20.5
EBAN I C 0 00 21 21.7 E 0 00 21 40.8 0.12 0.2 110
ALOJ E 0 00 21 41.7 60
ASMO E 0 00 21 26.6 E 0 00 21 46.6
EJIF E 0 00 21 25.2 E 0 00 21 45.0 0.02 0.4 60
ATEJ E 0 00 21 47.9
ACHM E 4 00 21 28.1
APHE E 0 00 21 30.2 E 0 00 21 51.5 60
AFC E 9 00 21 31.0 E 0 00 21 52.5 0.02 0.3 65
MAL E 4 00 21 33.5 I 0 00 21 46.0
PAB E 9 00 21 35.5 E 0 00 21 59.5
EPLA E 9 00 21 37.9 E 0 00 22 03.3 0.05 0.3 70
MOE E 9 00 21 39.5 I 0 00 22 08.8
GUD E 0 00 21 42.6 E 0 00 22 17.6 0.01 0.3 100
TOL E 4 00 21 53.5 E 4 00 22 11.0 0.02 0.5 50
MTH 4 00 22 33.0
MTE 4 00 22 23.2
MVO E 4 00 22 02.8 E 4 00 22 43.8

01 abr 13h 04m 42.2s 43°00'N 01°06'W 3Km
rms ±0.5s mb 2.5 SIERRA DE ABODI.NA

BOH C 0 13 04 43.8 E 0 13 04 45.9 44
ISSF C 0 13 04 45.8 E 0 13 04 49.5 44
MADF C 0 13 04 46.3 E 0 13 04 50.2 41
ATE C 0 13 04 47.1 E 0 13 04 51.6 41
ECRI E 0 13 05 02.8 E 0 13 05 17.8 0.03 0.3 35
VIH 0 13 05 08.6 55
AVN 0 13 05 13.3 4 13 05 39.5

01 abr 19h 13m 33.8s 43°09'N 01°26'W 15Km
rms ±0.6s mb 3.4 IV VALLE DE BAZTAN.NA

BOH D 0 19 13 39.5 E 0 19 13 44.0
MADF D 0 19 13 42.2 E 0 19 13 48.7
ISSF D 0 19 13 42.4 E 0 19 13 49.2
ATE D 0 19 13 43.5 E 0 19 13 51.4
ECRI I C 0 19 13 51.3 E 0 19 14 04.0 190
EPF 0 19 13 56.7 E 4 19 14 16.0 0.23 0.3
VIH 0 19 14 03.5 4 19 14 26.5 163
AVN C 0 19 14 07.9 200
LFF 0 19 14 11.4 0.10 0.3
ETOR E 0 19 14 12.0 E 0 19 14 39.0 0.12 0.4 210
LPO 0 19 14 12.2 0.09 0.3
EROQ E 0 19 14 16.4 E 0 19 14 46.9 0.21 0.3 150
RJF 0 19 14 19.5 E 0 19 14 53.3 0.07 0.4
CAF 0 19 14 20.4 E 0 19 14 56.5 0.05 0.3
GUD E 0 19 14 23.4 E 0 19 15 00.1 0.03 0.3 180
EBR E 4 19 14 25.0 E 4 19 15 02.0
ETER E 0 19 14 25.5 E 0 19 15 00.4 0.06 0.3 200
OLT 4 19 14 28.0 149
TOL E 0 19 14 31.0 E 4 19 15 22.5 175
PAB I C 0 19 14 36.7 E 4 19 15 27.0 175
EMON E 0 19 14 38.5 4 19 15 29.1
ECHE E 9 19 14 39.4 E 0 19 15 20.7 0.05 0.3 120
EVIA E 0 19 14 42.0
MVO E 0 19 14 42.2 I 4 19 15 29.8
EPLA E 0 19 14 42.6 E 0 19 15 34.0 0.04 0.5 155

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ESEL	E	0	19 14 43.4	E 0	19 15 34.8			110
EBAN	E	0	19 14 50.3	E 0	19 15 49.2	0.02	0.4	155
MTE	E	4	19 15 10.0	I 4	19 15 47.0			
MOE				E 4	19 16 29.0			

02 abr 01h 10m 44.5s 43°06'N 01°26'W
rms ±0.3s mb 2.4 VALLE DE BAZTAN.FR

BOH	I D 0	01 10 49.9	E 0	01 10 54.6				
MADF	I D 0	01 10 52.6	E 0	01 10 59.1				
ISSF		01 10 52.8	E 0	01 10 59.7				
ATE	I D 0	01 10 53.9	E 0	01 11 02.0				
OGE		01 10 57.6	E 0	01 11 07.1				
JAU	I D 0	01 10 58.3	E 0	01 11 09.6				
ECRI	E	0 01 11 02.0	E 0	01 11 14.2	0.02	0.3		25

02 abr 02h 36m 14.9s 35°22'N 03°39'W 10Km
rms ±1.0s mb 2.9 NE. ALHUCEMAS

EMEL	I C 0	02 36 24.7	E 0	02 36 33.0				55
TAF	I	0 02 36 36.0	E 0	02 36 52.0				
APHE			E 4	02 36 57.4				
NKM	I	0 02 36 39.5	I 0	02 37 00.0				
ACHM	E	4 02 36 40.5	E 4	02 37 03.4				
ALOJ			E 4	02 37 03.8				
MAL	E	4 02 36 44.0						
AFC	E	0 02 36 44.4	E 0	02 37 08.0				55
EJIF	E	0 02 36 45.6	E 0	02 37 06.6	0.02	0.4		75
ENIJ	E	0 02 36 47.0			0.02	0.4		65
AAPN	E	0 02 36 48.8						
IFR	I	0 02 36 49.5	E 0	02 37 16.5				
EBAN	E	0 02 36 59.0	E 0	02 37 32.5				66

04 abr 04h 50m 55.6s 43°12'N 01°27'W 3Km
rms ±0.3s mb 2.4 VALLE DE BAZTAN.NA

BOH	D 0	04 51 01.7	E 0	04 51 06.4				35
MADF	C 0	04 51 04.5	E 0	04 51 10.9				38
ISSF		0 04 51 04.7	E 0	04 51 12.0				35
ATE	D 0	04 51 05.8	E 0	04 51 13.6				38
ESCF		0 04 51 07.4	0	04 51 16.6				38
ECRI	E	0 04 51 14.2	E 0	04 51 26.5	0.02	0.3		33
EPF		0 04 51 19.6	0	04 51 38.4				
AVN	4	04 51 33.3						

06 abr 10h 07m 57.4s 36°36'N 05°15'W 12Km
rms ±0.7s mb 2.7 BENADALID.MA

EJIF	I C 0	10 08 02.6	E 0	10 08 06.0	0.10	0.3		50
EPRU	E	0 10 08 04.0	E 0	10 08 10.0	0.03	0.4		40
ATEJ	E	0 10 08 15.0	I 0	10 08 29.5				
ALOJ	E	0 10 08 16.2	E 0	10 08 31.0				
AAPN	E	0 10 08 17.6	E 0	10 08 33.0				
EHOR	E	0 10 08 18.2	E 0	10 08 34.7	0.02	0.3		35
APHE	E	0 10 08 19.5	E 0	10 08 37.0				
ASMO	E	0 10 08 22.7	E 0	10 08 42.0				
EBAN	E	0 10 08 30.0			0.01	0.3		44

06 abr 10h 29m 44.0s 36°36'N 05°15'W 9Km
rms ±0.8s mb 2.5 BENADALID.MA

EJIF	I C 0	10 29 49.0	E 0	10 29 52.6	0.08	0.3		45
EPRU	E	0 10 29 50.0	E 0	10 29 57.0	0.02	0.4		40
ATEJ	E	0 10 30 01.5	E 0	10 30 17.0				
ALOJ	E	0 10 30 02.6						
AAPN	E	0 10 30 04.0	E 0	10 30 19.0				
EHOR	E	0 10 30 04.8	E 0	10 30 21.0	0.01	0.3		30
APHE	E	0 10 30 06.4	E 0	10 30 24.5				
ASMO	E	0 10 30 09.4	E 0	10 30 28.5				
EBAN	E	0 10 30 15.5	E 0	10 30 41.3				

06 abr 21h 54m 07.2s 38°23'N 00°14'E 9Km
rms ±0.5s mb 3.0 E. ALICANTE

ACU	E	0 21 54 16.0	E 0	21 54 24.8	0.13	0.3		49
EROQ	E	0 21 54 45.0	E 0	21 55 15.0				
ECHE	E	0 21 54 33.3	E 0	21 54 52.5	0.02	0.5		50
ESEL	E	0 21 54 46.8	E 0	21 55 16.8				
GUD			E 0	21 55 54.5				

06 abr 22h 20m 49.8s 38°18'N 00°11'E 17Km
rms ±0.6s mb 3.3 E. ALICANTE

ACU	E	0 22 20 59.0	E 0	22 21 07.8	0.28	0.3		55
EALH	E	0 22 21 12.0	E 0	22 21 29.2				65
VIV	E	0 22 21 13.5	E 0	22 21 31.7				
ECHE	E	0 22 21 16.5	E 0	22 21 35.5	0.05	0.5		75
EVIA	E	0 22 21 23.8						
EROQ	E	0 22 21 28.8	E 0	22 21 58.0				80
ESEL	E	0 22 21 30.0	E 0	22 22 00.0				
EBAN	E	0 22 21 36.5	E 0	22 22 14.0				
GUD	E	0 22 21 50.6	E 0	22 22 35.5				

07 abr 11h 13m 44.3s 43°04'N 00°45'W 3Km
rms ±0.7s mb 2.7 ARETTE.FR

ATE	I D 0	11 13 44.5	E 0	11 13 45.7				44
ISSF	I D 0	11 13 44.7	E 0	11 13 46.2				43
MADF	I D 0	11 13 45.3	E 0	11 13 47.1				44
ESCF		0 11 13 45.8	E 0	11 13 48.1				44
EPF		0 11 13 58.9	0	11 14 09.8				
ECRI	E	0 11 14 10.5	E 0	11 14 27.6	0.02	0.3		30
AVN		0 11 14 13.8						42
LPO	9	11 14 23.2	0	11 14 51.0				
LFF	9	11 14 23.7	0	11 14 52.0				

08 abr 08h 50m 09.6s 43°06'N 01°24'W
rms ±0.4s mb 2.4 VALLE DE BAZTAN.FR

BOH	D 0	08 50 14.6	E 0	08 50 19.3				34
MADF		0 08 50 17.3	E 0	08 50 23.8				35
ISSF	C 0	08 50 17.6	E 0	08 50 24.1				34
ATE	D 0	08 50 18.7	E 0	08 50 26.5				35
ECRI	E	0 08 50 28.0	E 0	08 50 39.5	0.02	0.3		26

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

09 abr 01h 17m 11.0s 36°22'N 03°42'W 3Km
rms ±0.9s mb 3.0 ALBORAN

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
APHE	I	0	01 17 21.7	E 0	01 17 29.5			
ATEJ	I	0	01 17 21.8	E 0	01 17 29.0			
MAL	I C	0	01 17 23.4	I 0	01 17 32.0	1.29	0.5	45
ACHM	I	0	01 17 24.5					
ALOJ	I	0	01 17 25.4	E 0	01 17 35.0			
AFC	E	0	01 17 28.0	E 0	01 17 41.0	0.03	0.3	55
ASMO	E	0	01 17 29.4					
AAPN	E	0	01 17 29.5	E 4	01 17 40.0			
EMEL	E	0	01 17 33.0	E 0	01 17 49.5			65
ENIJ	E	0	01 17 35.3	E 0	01 17 51.8	0.04	0.3	80
EJIF	E	0	01 17 37.0	E 0	01 17 56.5	0.06	0.6	75
EPRU	E	0	01 17 37.6	E 0	01 17 55.6			70
EBAN	E	0	01 17 43.5	E 0	01 18 06.0	0.02	0.3	80
EHOR	E	0	01 17 43.8	E 0	01 18 07.3	0.03	0.4	55

11 abr 00h 02m 30.1s 41°58'N 08°03'W 11Km
rms ±0.8s mb 3.1 SERRA LABOREIRA.OR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EZAM	I D	0	00 02 40.0	E 0	00 02 47.0	0.07	0.2	55
ERUA	I C	0	00 02 45.0	E 0	00 02 55.0	0.03	0.2	35
STS	E	0	00 02 47.0	E 0	00 03 00.0	0.05	0.2	50
MVO	E	0	00 02 50.3	I 0	00 03 05.0			
MTE				0	00 03 16.5			
EMON	E	0	00 02 58.5	E 0	00 03 17.0	0.05	0.2	45
EPLA	E	0	00 03 08.2					

11 abr 10h 30m 45.7s 42°20'N 07°08'W
rms ±0.8s mb 2.4 O BOLO.OR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ERUA	E	0	10 30 47.2	E 0	10 30 51.5	0.03	0.4	20
EMON	E	0	10 31 04.8	E 0	10 31 20.8	0.03	0.3	30
MVO	E	0	10 31 05.5	I 0	10 31 22.5			
GUD	E	9	10 31 32.0	E 0	10 32 05.0			52

12 abr 22h 47m 56.0s 36°47'N 02°33'E 24Km
rms ±0.8s mb 4.1 NE. CERCHELL

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ABA	I	0	22 48 03.0	E 0	22 48 10.0			
ACU	I D	0	22 48 39.1	E 0	22 49 11.8	0.28	0.4	250
ESEL	I C	0	22 48 41.3					350
EALH	E	0	22 48 45.8	E 0	22 49 22.5	0.06	0.3	270
ENIJ	E	9	22 48 49.4	E 0	22 49 31.0	0.10	0.3	380
VIV	E	0	22 48 52.0	E 0	22 49 33.5			
ECHE	E	0	22 48 55.0	E 0	22 49 37.8	0.20	0.6	280
TAF	E	0	22 49 00.0					
EROQ	I C	0	22 49 00.0	E 0	22 49 48.0	0.16	0.3	300
EBR	E	0	22 49 00.0	E 4	22 50 00.0			
EVIA	E	0	22 49 00.4	E 0	22 49 48.0	0.31	0.3	280
EMEL	E	0	22 49 05.5					260
MRB			22 49 07.5					
AFC	E	0	22 49 08.4	E 0	22 50 01.0	0.17	0.7	280
APHE	E	0	22 49 08.7	E 0	22 50 04.6			
ASMO	E	0	22 49 10.0	E 4	22 50 07.3			
ACHM	E	0	22 49 10.4	E 0	22 50 07.8			
EBAN	E	0	22 49 11.0	E 0	22 50 08.0	0.06	0.3	300
CRT	E	4	22 49 11.9					
ATEJ	E	0	22 49 12.0	E 0	22 50 10.2			
ALOJ	E	0	22 49 13.4	E 0	22 50 13.0			
AVN			22 49 13.6					
OLT			22 49 14.2	0	22 50 12.3			207
AAPN	E	0	22 49 14.7	E 0	22 50 14.2			
ETOR	E	0	22 49 16.6	E 0	22 50 14.5	0.03	0.3	320

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
ETER	E	0	22 49 16.7	E 0	22 50 16.0	0.04	0.3	160
PAB	E	0	22 49 23.5	E 0	22 50 29.5			
VIH		0	22 49 23.5					
TOL	I	0	22 49 24.5	I 0	22 50 29.5	0.13	0.8	
MAL	E	4	22 49 25.0	I 0	22 50 19.0	0.13	0.8	
EHOR	E	0	22 49 27.0	E 0	22 50 34.0	0.03	0.4	200
GUD	I	0	22 49 30.0	E 0	22 50 39.0	0.03	0.4	300
EPF		0	22 49 30.0	0	22 50 40.7			
EJIF	E	0	22 49 30.2					243
NKM	I	0	22 49 32.0					
OJEN	E	4	22 49 33.5					
PLAT	E	4	22 49 36.0					
IFR	I	0	22 49 38.0					
ECRI	E	0	22 49 38.2					
LMR		0	22 49 39.8	4	22 50 55.3	0.04	0.4	220
LRG		0	22 49 41.1	0	22 50 57.8			
EPLA	E	0	22 49 43.0	E 0	22 51 04.0	0.02	0.4	190
FRF		0	22 49 43.4	0	22 51 02.4			
CNIL	E	4	22 49 44.5					
MTE	E	4	22 49 56.0	E 4	22 51 26.0			
MVO	E	0	22 49 59.0	E 0	22 51 31.0			
ERUA	E	0	22 50 08.9					
AVE	E	4	22 50 11.0					
EMON	E	0	22 50 19.0					
STS	E	0	22 50 24.2					
TIO	I	4	22 50 38.0					

13 abr 00h 19m 06.3s 36°44'N 02°30'E
rms ±0.6s mb 2.8 NE. CERCHELL

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ABA	I	0	00 19 14.5	E 0	00 19 20.5			
ACU	E	0	00 19 50.5	E 0	00 20 25.5			
ESEL	E	0	00 19 52.6	E 0	00 20 28.0	0.01	0.3	72
VIV	E	0	00 20 03.2	E 0	00 20 45.5			
ECHE	E	0	00 20 06.0	E 0	00 20 49.2			72
EROQ	E	0	00 20 11.0	E 0	00 21 01.0			
ETOR	E	0	00 20 27.0					
GUD	E	0	00 20 40.5					
EPF		0	00 20 41.7	0	00 21 50.4			
LMR		0	00 20 51.1	4	00 22 08.0			
LRG		0	00 20 53.2	4	00 22 08.4			
FRF		0	00 20 55.2	4	00 22 18.8			

13 abr 11h 28m 30.5s 42°41'N 02°00'E 2Km
rms ±0.2s mb 2.8 ORLU.FR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
VDCF		0	11 28 35.7	0	11 28 39.6			
GRBF		0	11 28 37.5	0	11 28 42.8			
MTHF		0	11 28 38.8					
SALF		0	11 28 41.3	0	11 28 49.5			
LESF		0	11 28 41.7					
OLT	C	0	11 28 42.5	0	11 28 51.1			25
ETER	I C	0	11 28 44.0	E 0	11 28 54.0	0.04	0.3	20
SQD		0	11 28 45.2	0	11 28 56.2			
VIH		0	11 28 47.2	0	11 28 59.5			45
FONT		0	11 28 48.3	0	11 29 01.3			
MRB	D	0	11 28 51.2	0	11 29 05.6			45
FBR		0	11 28 54.0	0	11 29 11.0			
EPF		9	11 28 54.6	0	11 29 12.3			
LPO		9	11 29 08.3	0	11 29 36.2			
CAF		9	11 29 11.3	0	11 29 39.4			
LFF		9	11 29 15.6	4	11 29 47.3			
RJF		9	11 29 19.1	4	11 29 53.0			

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

13 abr 22h 17m 13.7s 35°36'N 04°49'W 89Km
rms ± 0.9s mb 3.9 II ALBORAN

NKM I	0	22 17 30.0	I 4	22 17 43.0			
OJEN I	0	22 17 32.0					
EJIF I	C 0	22 17 34.0				300	
PLAT I	0	22 17 34.0					
MAL I	0	22 17 34.2	I 4	22 17 48.5		150	
ALJ I	0	22 17 36.0					
ATEJ I	0	22 17 37.3	E 4	22 17 45.7			
CNIL I	4	22 17 39.0					
EMEL I	D 0	22 17 39.1	E 0	22 17 57.8		200	
EPRU I	D 0	22 17 39.4	E 0	22 17 55.0		310	
APHE I	0	22 17 39.8	E 4	22 17 50.2			
ALOJ E	0	22 17 40.0	E 4	22 17 50.6			
ACHM I	0	22 17 41.2	I 4	22 17 52.2			
AAPN I	0	22 17 44.1	E 4	22 17 56.3			
CRT E	0	22 17 45.1	E 4	22 17 56.8			
AFC I	C 0	22 17 45.8	E 0	22 18 09.0		220	
ASMO E	0	22 17 46.2	E 4	22 18 00.8			
JFR I	0	22 17 47.0	I 0	22 18 10.5			
TAF I	0	22 17 47.5	I 0	22 18 10.5			
EHOR I	D 0	22 17 49.4	E 0	22 18 14.0		280	
RBA I	0	22 17 49.5	I 0	22 18 15.0			
ENIJ I	D 0	22 17 52.3	E 0	22 18 21.0		260	
Eval I	D 0	22 17 53.0	E 0	22 18 20.6		260	
EBAN I	D 0	22 17 55.5				290	
FIG I	D 0	22 17 58.2	I 0	22 18 30.3			
FAR I	C 0	22 17 59.0	I 0	22 18 31.1			
AVE I	0	22 18 01.2	I 0	22 18 35.5			
EVIA I	D 0	22 18 07.2	E 0	22 18 45.0		260	
EALH I	D 0	22 18 07.5	E 0	22 18 45.5	0.24	0.7	180
PAB I	D 0	22 18 12.0	E 0	22 18 55.0			
MOE E	0	22 18 14.0	I 0	22 18 58.0			
TOL I	D 0	22 18 17.5	I 0	22 19 03.5	0.29	0.8	180
EPLA I	D 0	22 18 20.9	E 0	22 19 09.0		250	
ACU E	0	22 18 21.3			0.04	0.5	170
AMR E	0	22 18 21.8	I 0	22 19 10.5			
LIS I	D 0	22 18 22.5	I 0	22 19 12.3			
MTH I	C 0	22 18 24.5	I 0	22 19 14.5			
MTE I	D 4	22 18 24.8	I 4	22 19 19.7			
ECHE I	D 0	22 18 27.3	E 0	22 19 21.0	0.10	0.6	210
GUD I	D 0	22 18 27.6	E 0	22 19 21.0	0.11	0.4	310
TIO I	0	22 18 28.6	I 0	22 19 23.7			
COI I	D 0	22 18 32.0	I 4	22 19 28.0			
ETOR E	0	22 18 35.8			0.07	0.5	
MVO I	D 0	22 18 37.5	I 0	22 19 40.0			
EROQ I	C 0	22 18 50.0			0.04	0.3	210
EBR I	C 0	22 18 50.0					
ERUA I	D 0	22 18 54.6	E 0	22 20 09.5	0.12	0.4	190
EZAM E	0	22 18 57.4			0.07	0.4	180
ECRI I	0	22 18 58.0	E 0	22 20 14.0	0.05	0.3	230
ESEL E	0	22 19 00.7					140
AVN	0	22 19 02.7					
STS E	0	22 19 05.4	E 0	22 20 28.0	0.06	0.4	220
MRB	0	22 19 07.0					
EMON I	0	22 19 08.9	E 4	22 20 32.0			210
VIH	0	22 19 11.1					

14 abr 14h 50m 08.3s 36°09'N 05°19'W 4Km
rms ± 0.8s mb 2.9 E. GIBRALTAR

EJIF I	D 0	14 50 14.2	E 0	14 50 17.1		100	
EPRU E	0	14 50 23.9	E 0	14 50 34.5	0.07	0.5	87
MAL I	D 0	14 50 25.7	I 4	14 50 36.0	0.17	0.4	45
ATEJ E	0	14 50 31.0					
APHE E	0	14 50 34.3					
ALOJ E	0	14 50 34.4	E 0	14 50 52.3			
NKM I	4	14 50 34.5					

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

ACHM E	0	14 50 34.8					
AAPN E	9	14 50 38.3	E 0	14 50 58.6			
EHOR E	0	14 50 38.8	E 0	14 50 59.4	0.02	0.3	50
AFC E	0	14 50 40.5					52
ASMO E	4	14 50 42.1	E 0	14 51 00.3			
EVAL E	9	14 50 44.6	E 0	14 51 08.8			
EBAN E	9	14 50 52.6	E 0	14 51 22.0	0.01	0.4	60

15 abr 00h 39m 31.5s 36°39'N 02°34'E 30Km
rms ± 0.7s mb 3.1 NE. CHERCHELL

ABA I	0	00 39 39.5	I 0	00 39 46.0			
ACU E	0	00 40 15.4	E 0	00 40 48.6	0.02	0.4	62
ESEL E	0	00 40 18.2	E 0	00 40 53.0	0.04	0.3	230
EBR			E 4	00 40 42.0			
ENIJ E	0	00 40 27.3	E 0	00 41 10.0	0.01	0.3	70
VIV E	0	00 40 29.0	E 0	00 41 11.0			
ECHE E	0	00 40 31.4	E 0	00 41 15.8			70
EVIA E	0	00 40 36.6	E 0	00 41 26.6	0.02	0.3	77
EROQ E	0	00 40 36.6	E 0	00 41 26.8	0.01	0.3	100
ASMO E	0	00 40 47.0					
EBAN E	0	00 40 47.2	E 0	00 41 45.0			95
AVN	0	00 40 50.4					
ALOJ E	0	00 40 50.5	E 4	00 41 40.0			
APHE E	4	00 40 52.0	E 4	00 41 42.0			
ETOR E	0	00 40 52.6					98
ETER E	0	00 40 52.8					
PAB E	0	00 41 00.0	E 0	00 42 07.0			
GUD E	0	00 41 06.2	E 0	00 42 17.0			110
EPF	0	00 41 07.1					
ECRI E	0	00 41 14.6					
LMR	0	00 41 16.4	4	00 42 31.9			
LRG	0	00 41 18.0	4	00 42 34.0			
FRF	0	00 41 19.8	0	00 42 39.8			

17 abr 03h 31m 55.8s 43°10'N 03°25'W 5Km
rms ± 0.9s mb 3.2 MONTES ORDUNTE.S

ECRI I	0	03 32 11.8	E 0	03 32 24.0	0.20	0.3	130
GUD E	0	03 32 37.0	E 0	03 33 09.0	0.04	0.4	130
EPF	0	03 32 38.4	E 0	03 33 12.0			
ETOR E	0	03 32 38.6	E 0	03 33 06.4	0.02	0.3	110
ERUA E	0	03 32 41.6	E 0	03 33 15.3	0.02	0.4	60
EMON E	0	03 32 41.6	E 0	03 33 14.4	0.06	0.3	70
MVO E	0	03 32 46.5	I 4	03 33 38.5			
AVN	0	03 32 48.5					
LFF	0	03 32 50.3	E 0	03 33 31.3			
EPLA E	0	03 32 50.5	E 0	03 33 33.8	0.04	0.4	90
EROQ E	0	03 32 51.5	E 0	03 33 34.2	0.02	0.3	95
LPO	0	03 32 51.7	E 0	03 33 34.0			
STS E	0	03 32 52.0					
TOL E	4	03 32 57.0	I 4	03 33 43.0			100
RJF	0	03 32 58.5	E 0	03 33 44.8			
MFF	0	03 32 58.6					
MTE			4	03 33 57.0			
PAB I	4	03 33 02.5	E 0	03 33 36.5			110
EBR			E 4	03 33 52.0			
EBAN E	9	03 33 28.6	E 0	03 34 25.0			

18 abr 07h 08m 34.2s 35°25'N 03°58'W 13Km
rms ± 0.8s mb 2.8 ALHUCEMAS

EMEL E	0	07 08 48.8	E 0	07 09 00.0			55
NKM I	0	07 08 55.5	I 0	07 09 12.5			
ATEJ E	0	07 08 58.7	E 0	07 09 18.9			
EJIF E	0	07 09 00.2	E 0	07 09 20.0	0.03	0.5	60

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
APHE	E	0 07 09 00.8	E 0	07 09 20.1				EHOR	E	0 11 35 25.3	E 0	11 35 56.0	0.02	0.4	95
TAF	E	4 07 09 02.0	I 4	07 09 23.0				EBAN	E	0 11 35 27.8			0.02	0.5	98
ALOJ	E	0 07 09 02.5	E 0	07 09 24.4				EVAL	E	0 11 35 29.4	E 0	11 36 07.6			70
EPRU			E 0	07 09 26.2				AVE	E	0 11 35 35.0	I 0	11 36 14.5			
ASMO	E	0 07 09 06.6						TOL	E	0 11 35 50.0	E 4	11 36 50.0	0.04	1.1	150
IFR	I	0 07 09 09.0	I 0	07 09 33.0				TIO	I	0 11 35 58.0	I 0	11 36 56.4			
AAPN			E 4	07 09 34.5				GUD	E	0 11 36 01.0					
18 abr 09h 44m 30.1s 35°22'N 04°01'W 4Km rms ±0.9s mb 3.7 ALHUCEMAS								18 abr 13h 23m 58.7s 35°22'N 04°02'W rms ±1.1s mb 2.9 ALHUCEMAS							
EMEL	I D	0 09 44 45.5	E 0	09 44 57.0			180	NKM	I	0 13 24 20.5	E 0	13 24 35.0			
NKM	I	0 09 44 50.5	I 4	09 45 11.0				MAL	I	0 13 24 24.0	I 4	13 24 40.0			
MAL	I	0 09 44 53.7	I 4	09 45 11.5	2.71	0.7	200	TAF	I	0 13 24 24.0	I 4	13 24 45.0			
OJEN	I	0 09 44 54.0						EJIF	E	0 13 24 24.4	E 0	13 24 43.4	0.04	0.6	
ATEJ	E	0 09 44 55.5	E 0	09 45 16.5				IFR	I	0 13 24 30.0	I 0	13 24 56.0			
APHE	E	0 09 44 56.5						19 abr 12h 38m 14.0s 41°21'N 01°38'E 3Km rms ±0.3s mb 2.9 VILAFRANCA PENEDES.B							
EJIF	E	0 09 44 57.0	E 0	09 45 18.0	0.65	0.5	220	MRB		0 12 38 19.1	0	12 38 22.8			
TAF	I	0 09 44 57.0	I 4	09 45 19.0				FONT		0 12 38 26.9	0	12 38 36.7			
ACHM	E	0 09 44 58.8	E 0	09 45 22.5				AVN		0 12 38 29.8	0	12 38 41.2			
ALOJ	E	0 09 44 58.8	E 0	09 45 22.6				SQD		0 12 38 31.1					
ALJ	I	0 09 45 00.0						OLT		0 12 38 32.6	0	12 38 46.7			
AAPN	E	0 09 45 02.6						EROQ	E	0 12 38 34.0	E 0	12 38 48.0	0.03	0.3	
CNIL	I	0 09 45 03.0						ETER			E 0	12 38 55.5	0.03	0.3	
AFC	E	0 09 45 03.2	E 0	09 45 26.0	0.25	0.8	210	19 abr 14h 46m 43.3s 37°02'N 04°45'W 9Km rms ±0.9s mb 2.7 CAMPILLOS.MA							
EPRU	I	0 09 45 03.4	E 0	09 45 25.2	0.65	0.6	220	MAL	I C	4 14 46 48.8	I 4	14 46 53.0			
ASMO	E	0 09 45 04.7						EPRU	E	0 14 46 50.7	E 0	14 46 56.6	0.04	0.4	35
ENIJ	E	0 09 45 05.0	E 0	09 45 31.0	0.13	0.4	190	ALOJ	E	0 14 46 52.0	E 0	14 47 01.3			
GIBL	I	0 09 45 06.0						ATEJ	E	0 14 46 53.0	E 0	14 47 01.2			
EHOR	E	0 09 45 13.3	E 0	09 45 45.2	0.14	0.4	190	AAPN	E	0 14 46 53.8	E 0	14 47 03.2			
EBAN	E	0 09 45 15.5	E 0	09 45 49.0	0.10	0.4	200	EHOR	E	0 14 46 58.7	E 0	14 47 10.5	0.03	0.3	35
EVAL	E	0 09 45 19.0	E 0	09 45 54.5	0.13	0.4	160	EJIF	E	0 14 46 59.0			0.03	0.5	58
EALH	E	0 09 45 20.0					195	APHE	E	0 14 46 59.0	E 4	14 47 12.9			
FIG	E	0 09 45 24.0	I 0	09 46 05.2				ASMO	E	0 14 46 59.1	E 4	14 47 14.7			
RBA	E	4 09 45 24.5	E 4	09 45 51.0				AFC	E	0 14 47 02.6	E 0	14 47 15.5	0.02	0.3	38
EVIA	E	0 09 45 25.4	E 0	09 46 05.5	0.23	0.8	190	EBAN	E	0 14 47 06.5	E 0	14 47 24.5	0.02	0.2	50
AVE	I	0 09 45 25.5	I 0	09 46 04.5				20 abr 11h 04m 45.6s 35°55'N 07°34'W rms ±1.1s mb 3.3 W. ESTRECHO GIBRALTAR							
FAR				09 46 07.1				FIG	I C	0 11 05 05.5	E 0	11 05 19.0			
PAB	I C	0 09 45 34.0	I 4	09 46 28.5			240	NKM	E	0 11 05 13.0	E 0	11 05 34.0			
TOL	I C	0 09 45 38.5	I 0	09 46 30.5	0.26	1.2	220	EVAL	E	0 11 05 14.5	E 0	11 05 33.0	0.08	0.2	
ECHE	E	0 09 45 43.5						EHOR	E	0 11 05 26.6	E 0	11 05 56.8	0.01	0.3	
EPLA	E	0 09 45 45.4	E 0	09 46 40.8	0.05	0.3	230	AVE	E	0 11 05 26.5	E 0	11 05 55.0			
GUD	E	0 09 45 49.1	E 0	09 46 47.5	0.05	0.7	205	EPLA			E 0	11 06 34.0			
MTE	I D	9 09 45 50.3	I 0	09 46 52.5				TIO	I	0 11 05 58.0	I 0	11 06 50.5			
MTH	E	0 09 45 51.0	E 0	09 46 53.0				21 abr 09h 47m 50.8s 41°56'N 07°32'W 10Km rms ±0.4s mb 2.6 MONTERREI.OR							
ETOR	E	0 09 45 54.6					230	ERUA	I C	0 09 48 01.0	E 0	09 48 08.3	0.02	0.2	16
COI	E	0 09 45 57.1	I 0	09 47 03.1				MVO		0 09 48 06.5	0	09 48 18.0			
MVO	I D	0 09 46 02.5	I 0	09 47 11.0				EZAM	I	0 09 48 07.0	E 0	09 48 18.5	0.03	0.2	20
PTO	I D	0 09 46 09.5	I 4	09 47 22.7				18 abr 11h 34m 41.0s 35°18'N 03°59'W 4Km rms ±0.9s mb 3.1 ALHUCEMAS							
ERUA	E	0 09 46 18.7	0	09 47 39.2				EMEL	I C	0 11 34 56.2	E 0	11 35 07.8			118
EZAM			4	09 47 44.0				NKM	I	0 11 35 01.6	I 0	11 35 19.0			
18 abr 11h 34m 41.0s 35°18'N 03°59'W 4Km rms ±0.9s mb 3.1 ALHUCEMAS								18 abr 11h 35m 07.8s 35°18'N 03°59'W 4Km rms ±0.9s mb 3.1 ALHUCEMAS							
ATEJ	E	0 11 35 06.9	E 0	11 35 29.3				ATEJ	E	0 11 35 06.9	E 0	11 35 29.3			
TAF	I	0 11 35 07.0	I 4	11 35 30.0				TAF	I	0 11 35 07.0	I 4	11 35 30.0			
MAL	E	0 11 35 07.0	I 4	11 35 19.0	0.36	0.8	126	MAL	E	0 11 35 07.0	I 4	11 35 19.0	0.36	0.8	126
APHE	E	0 11 35 07.7	E 0	11 35 31.1				APHE	E	0 11 35 07.7	E 0	11 35 31.1			
ALOJ	E	0 11 35 10.2	E 0	11 35 35.0				ALOJ	E	0 11 35 10.2	E 0	11 35 35.0			
ACHM	E	0 11 35 11.2						ACHM	E	0 11 35 11.2					
EPRU	E	0 11 35 14.5	E 0	11 35 39.0	0.17	0.9	130	EPRU	E	0 11 35 14.5	E 0	11 35 39.0	0.17	0.9	130
AFC	E	0 11 35 14.2	E 0	11 35 37.5	0.02	0.4	98	AFC	E	0 11 35 14.2	E 0	11 35 37.5	0.02	0.4	98
AAPN	E	0 11 35 15.4	E 4	11 35 41.3				AAPN	E	0 11 35 15.4	E 4	11 35 41.3			
ASMO	E	0 11 35 15.9						ASMO	E	0 11 35 15.9					
ENIJ	E	0 11 35 15.9			0.04	0.3	110	ENIJ	E	0 11 35 15.9			0.04	0.3	110

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

STS E 0 09 48 14.0 E 0 09 48 28.4 0.01 0.3 25
 EPLA E 0 09 48 25.2
 GUD E 0 09 48 35.4

21 abr 22h 25m 03.5s 42°36'N 01°22'E 9Km
 rms ±0.7s mb 2.4 VALL FERRERA.L

SALF 0 22 25 07.9 0 22 25 11.2
 GRBF 0 22 25 08.9 0 22 25 12.4
 MLS 0 22 25 11.7 0 22 25 17.1
 LESF 0 22 25 12.2
 VDCF 0 22 25 16.0 0 22 25 25.4
 AVN 0 22 25 19.5 0 22 25 29.8
 EPF 0 22 25 19.6 0 22 25 30.6
 MTHF 0 22 25 20.4
 SQD 0 22 25 22.1 0 22 25 35.9
 MRB 0 22 25 23.1 0 22 25 37.1
 ETER E 0 22 25 24.9 E 0 22 25 40.6
 LPO 9 22 25 43.9 0 22 26 08.4
 CAF 9 22 25 48.2 0 22 26 18.2
 LFF 9 22 25 50.7 0 22 26 19.8

21 abr 22h 54m 45.0s 34°48'N 05°09'W
 rms ±0.8s mb 3.3 ZOUMI.MAC

NKM I 0 22 54 56.0 I 0 22 55 06.5
 IFR I 0 22 55 09.0 I 4 22 55 29.5
 EJIF E 0 22 55 13.2
 AVE I 0 22 55 25.5 I 0 22 55 54.5
 EBAN E 0 22 55 40.5
 TIO I 0 22 55 49.2 I 0 22 56 37.4

23 abr 05h 50m 42.4s 36°43'N 12°30'W
 rms ±0.9s mb 3.7 ATLANTICO

LIS E 0 05 51 32.0 I 0 05 52 09.6
 MTH I C 0 05 51 33.6 I 0 05 52 11.0
 MOE I C 0 05 51 38.2 I 0 05 52 19.0
 FAR 4 05 52 22.0
 AMR E 0 05 51 42.0 I 0 05 52 23.5
 FIG E 4 05 51 48.5 I 4 05 52 24.0
 EVAL E 0 05 51 50.0 E 0 05 52 41.0 0.07 0.2 120
 COI I C 0 05 51 51.8 I 0 05 52 43.0
 AVE E 0 05 51 59.0 I 4 05 52 55.0
 MTE E 0 05 52 00.0 I 0 05 52 57.0
 PTO I C 0 05 52 01.3 I 0 05 52 56.8
 EHOR E 0 05 52 08.0 E 0 05 53 10.0 0.03 0.3 110
 NKM E 0 05 52 08.5 I 0 05 53 12.5
 EPLA E 0 05 52 10.0 E 0 05 53 14.0 0.05 0.2 130
 MVO 0 05 52 10.5 0 05 53 16.0
 EZAM E 0 05 52 11.2 E 0 05 53 17.0 0.01 0.3 100
 IFR I 0 05 52 19.0 I 4 05 53 28.5
 STS E 0 05 52 21.2 100
 MAL E 4 05 53 29.0
 PAB I 0 05 52 23.0 E 0 05 53 39.0 200
 ERUA E 0 05 52 23.0 E 4 05 53 36.3
 EBAN E 0 05 52 24.0 E 0 05 53 40.0 0.02 0.2 150
 TIO I 0 05 52 24.4 I 4 05 53 32.5
 GUD E 0 05 52 31.0 E 0 05 53 54.0 0.01 0.3 160
 TOL E 4 05 52 51.0 E 0 05 53 46.0 130
 ETOR E 0 05 52 52.0 E 0 05 54 27.7 190

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

24 abr 00h 43m 27.1s 37°05'N 07°14'W
 rms ±1.0s mb 3.0 GOLFO DE CADIZ

FIG I C 0 00 43 36.0 I 0 00 43 42.0
 EVAL I D 0 00 43 38.8 E 0 00 43 46.2 45
 EHOR E 0 00 44 21.0
 EBAN E 0 00 44 12.3
 GUD E 0 00 45 23.2

24 abr 21h 56m 52.3s 34°58'N 04°13'W
 rms ±0.7s mb 3.0 TARGUIST.MAC

NKM I 0 21 57 11.0 E 0 21 57 27.0
 EMEL E 0 21 57 11.0 E 0 21 57 27.5
 TAF E 4 21 57 10.0 I 0 21 57 36.0
 IFR E 0 21 57 19.5 I 0 21 57 40.5

25 abr 04h 05m 48.9s 34°50'N 04°13'W 2Km
 rms ±1.1s mb 2.7 TARGUIST.MAC

EMEL E 0 04 06 08.0 E 0 04 06 24.3
 NKM I 0 04 06 09.0 I 0 04 06 25.0
 TAF E 0 04 06 16.0 I 0 04 06 37.0
 IFR I 0 04 06 16.0 I 0 04 06 37.0

26 abr 14h 47m 48.2s 42°54'N 00°18'E 2Km
 rms ±0.6s mb 2.8 ARREAU.FR

EPF 0 14 47 49.9 0 14 47 52.7
 VIH 0 14 47 55.6 0 14 48 01.8 60
 JAU E 0 14 48 04.7 48
 SALF 4 14 48 07.4
 ESCF E 0 14 48 09.1
 LHE E 0 14 48 09.4 48
 ATE E 0 14 48 12.3
 ISS 0 14 48 02.9 E 0 14 48 13.9 48
 AVN 0 14 48 08.0 0 14 48 22.7 80
 OLT 0 14 48 19.0 0 14 48 43.1
 MRB 9 14 48 20.1 0 14 48 42.8 50
 LPO 9 14 48 20.4 0 14 48 43.5
 LFF 9 14 48 23.8 0 14 48 49.6
 FONT 9 14 48 24.0 0 14 48 49.8
 EROQ E 9 14 48 26.8 E 0 14 48 53.2 0.01 0.3
 CAF 9 14 48 29.6 0 14 48 59.6
 RJF 9 14 48 32.4 0 14 49 04.2

26 abr 23h 46m 08.7s 36°45'N 02°47'W
 rms ±0.4s mb 2.6 EL EJIDO.AL

ENIJ I D 0 23 46 17.0 E 0 23 46 25.5 0.05 0.2 45
 APHE I 0 23 46 22.6 E 0 23 46 33.0
 AFC E 0 23 46 22.3 E 0 23 46 33.5 25
 ASMO E 0 23 46 26.6
 ATEJ E 0 23 46 26.7 E 0 23 46 40.0
 ALOJ E 0 23 46 29.3 E 0 23 46 44.4
 AAPN E 0 23 46 31.0
 EBAN E 0 23 46 37.2

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

27 abr 13h 11m 39.5s 37°43'N 01°36'W 6Km
rms ±0.9s mb 2.8 LORCA.MU

EALH E	0	13	11	42.8	E 0	13	11	46.4	0.09	0.3	75
ENIJ E	0	13	11	54.8	E 0	13	12	07.7	0.03	0.3	50
EVIA I C	0	13	11	59.8	E 0	13	12	15.5	0.16	0.2	60
VIV E	0	13	12	08.2	E 0	13	12	26.2			
AFC					E 0	13	12	26.8	0.02	0.3	80
EBAN E	0	13	12	09.0	E 0	13	12	31.6	0.03	0.3	65
ASMO I	0	13	12	10.5	E 4	13	12	35.0			
APHE E	4	13	12	12.0	E 4	13	12	37.0			
AAPN E	0	13	12	14.0	E 0	13	12	39.5			
ALOJ E	4	13	12	16.0							
GUD E	9	13	12	49.6	E 0	13	13	29.0			

27 abr 14h 19m 11.4s 36°55'N 07°14'W 21Km
rms ±0.5s mb 3.2 GOLFO DE CADIZ

FIG I D	0	14	19	21.5	I 0	14	19	28.8			
FAR I D	0	14	19	22.5	I 0	14	19	30.5			
EVIA I C	0	14	19	26.0	E 0	14	19	36.0			130
CNIL I	0	14	19	30.5							
ALJ I	4	14	19	35.5							
LIJA I	0	14	19	35.5							
EJIF E	0	14	19	35.9	E 0	14	19	54.5	0.04	0.3	80
EPRU E	0	14	19	37.4					0.03	0.3	100
EHOR E	0	14	19	40.0	E 0	14	20	03.5	0.06	0.3	105
MOE E	0	14	19	40.7	I 0	14	20	03.4			
LIS					E 0	14	20	15.0			
AMR E	0	14	19	49.5	E 0	14	20	18.0			
AAPN I	0	14	19	49.8	I 4	14	20	16.8			
ALOJ I	0	14	19	49.9	E 4	14	20	15.3			
ATEJ I	0	14	19	51.1	I 0	14	20	19.6			
MTH E	0	14	19	51.5	I 0	14	20	20.2			
ASMO I	0	14	19	54.4	I 4	14	20	23.1			
APHE I	0	14	19	54.6	I 4	14	20	23.4			
EBAN E	0	14	19	56.4	E 0	14	20	31.0	0.03	0.2	100
AFC E	0	14	19	56.6	E 0	14	20	30.2	0.01	0.3	75
AVE I	4	14	20	00.5	I 4	14	20	40.0			
EPLA E	0	14	20	01.4	E 0	14	20	37.0	0.03	0.3	105
MTE E	0	14	20	04.0	I 0	14	20	42.5			
IFR I	0	14	20	06.0	I 4	14	20	42.5			
MVO E	0	14	20	14.0	I 0	14	20	59.7			
GUD E	0	14	20	16.9	E 0	14	21	05.5	0.01	0.3	145
ETOR E	0	14	20	33.0	E 0	14	21	33.5			130
TIO I	4	14	20	35.0	I 4	14	21	27.0			

29 abr 11h 35m 50.9s 35°01'N 03°48'W
rms ±0.6s mb 2.7 BOUDINAR.MAC

EMEL E	0	11	36	04.0	E 0	11	36	16.0			
TAF I	0	11	36	12.0	I 0	11	36	27.0			
NKM I	0	11	36	16.0	I 0	11	36	32.5			
IFR I	0	11	36	21.5	I 0	11	36	44.5			

30 abr 01h 08m 28.5s 37°11'N 03°41'W
rms ±0.6s mb 2.5 SANTA FE.GR

CRT E	0	01	08	30.3							
AFC I D	0	01	08	30.5	E 0	01	08	32.4	0.08	0.2	28
ASMO I	0	01	08	31.0	E 0	01	08	33.7			
ACHM E	0	01	08	31.2	E 0	01	08	33.4			
APHE E	0	01	08	32.7	E 0	01	08	36.4			

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

ALOJ E 0 01 08 34.2 E 0 01 08 39.5
ATEJ E 0 01 08 34.9 E 0 01 08 40.7
AAPN E 0 01 08 35.1 E 0 01 08 41.2
EBAN E 0 01 08 47.8 E 0 01 09 01.4 0.01 0.3 30

02 may 16h 40m 26.9s 36°32'N 04°31'W 95Km
rms ±0.8s mb 4.2 E. FUENGIROLA

MAL I	0	16	40	39.8							
ATEJ I C	0	16	40	42.1	E 4	16	40	51.3			
APHE I C	0	16	40	44.3							
EJIF I C	0	16	40	44.7							270
EPRU I D	0	16	40	44.7							230
ACHM I C	0	16	40	45.2							
AAPN I C	0	16	40	45.7	E 0	16	40	58.0			
MOMI I	0	16	40	46.5							
CRT E	0	16	40	47.7	E 0	16	41	00.3			
ASMO I C	0	16	40	48.0	E 4	16	40	58.8			
AFC I C	0	16	40	48.3	E 0	16	41	01.4			200
NKM I	0	16	40	50.0	I 4	16	41	04.0			
GIBL I	0	16	40	50.0							
EHOR I C	0	16	40	52.0	E 0	16	41	09.0			290
EMEL I D	0	16	40	54.7							80
EBAN I C	0	16	40	56.1							300
ENIJ I C	0	16	40	57.7	E 0	16	41	21.0	0.13	0.2	200
EVAL I D	0	16	41	00.1	E 0	16	41	24.5			230
TAF I	0	16	41	04.0	I 4	16	41	30.0			
EVIA I C	0	16	41	07.8	E 0	16	41	38.0			230
FIG	0	16	41	08.7	0	16	41	38.8			
FAR D	0	16	41	10.2	E 0	16	41	40.8			
RBA E	4	16	41	10.5	I 0	16	41	48.5			
IFR I	0	16	41	12.0	I 4	16	41	45.0			
PAB I D	0	16	41	12.5	I 4	16	41	42.0			350
TOL I D	0	16	41	18.0	I 0	16	41	55.5	0.66	1.0	275
MOE I D	0	16	41	21.5	I 0	16	42	00.5			
EPLA I D	0	16	41	23.3	E 0	16	42	03.2			260
ACU I C	0	16	41	24.1	E 0	16	42	04.9	0.03	0.4	170
AVE I	0	16	41	25.0	I 4	16	42	07.0			
GUD I D	0	16	41	28.2	E 0	16	42	12.8	0.09	0.2	300
ECHE I C	0	16	41	28.3	E 0	16	42	13.0	0.10	0.2	260
LIS I D	0	16	41	30.3	E 0	16	42	16.1			
MTH E	0	16	41	32.0	I 0	16	42	18.7			
ETOR I D	0	16	41	36.0	E 0	16	42	26.0	0.15	0.2	310
COI E	0	16	41	37.2	0	16	42	27.3			
MVO I D	0	16	41	40.5	I 0	16	42	36.0			
PTO I C	0	16	41	48.3	I 0	16	42	47.0			
EROQ I C	0	16	41	50.6	E 0	16	42	51.4	0.07	0.2	215
TIO I	0	16	41	52.8	I 4	16	42	56.0			
ECRI I C	0	16	41	58.3	E 0	16	43	04.9	0.07	0.2	260
AVN	0	16	42	03.0							
MRB	0	16	42	08.8							
BOH	0	16	42	09.3	E 0	16	43	23.6			
ISSF	0	16	42	09.3	E 0	16	43	23.7			
STS I D	0	16	42	09.3	E 0	16	43	25.2	0.06	0.3	125
ESCF	0	16	42	10.7	E 0	16	43	27.5			
EMON I C	0	16	42	11.4	E 0	16	43	28.0			
VIH	0	16	42	12.0							
JAU	0	16	42	12.2	E 0	16	43	28.1			
EPF	0	16	42	14.1	4	16	43	32.5	0.07	0.3	
ETER I C	0	16	42	23.6	E 4	16	43	47.6			
LPO	0	16	42	37.3	4	16	44	11.5	0.03	0.4	
LFF	0	16	42	38.7	4	16	44	12.8	0.03	0.3	

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

03 may 19h 45m 02.2s 31°51'N 05°10'W
rms ±0.8s mb 4.0 ASSOUL.MAC

IFR I	0	19 45 31.0	I 0	19 45 52.5			
TIO I	0	19 45 35.0	I 0	19 46 00.0			
AVE I	0	19 45 39.5	I 0	19 46 08.0			
RBA E	0	19 45 44.0	I 4	19 46 18.5			
TAF I	0	19 45 59.0	I 0	19 46 42.0			
EJIF E	0	19 46 12.0					90
EVAL E	0	19 46 27.0	E 0	19 47 32.4			90
EBAN E	0	19 46 37.0					

04 may 12h 18m 27.1s 42°22'N 06°46'W 10Km
rms ±0.2s mb 2.9 SERRA DO EIXE

EMON E	0	12 18 47.8	E 0	12 19 03.0	0.04	0.3	55
MVO I	C 0	12 18 48.2	I 0	12 19 05.2			
STS E	0	12 18 51.9	E 0	12 19 10.0			35
EZAM E	0	12 18 52.0					
EPLA E	9	12 19 11.1	E 0	12 19 38.8	0.01	0.4	50
GUD E	0	12 19 08.0	E 0	12 19 39.0	0.01	0.3	65

04 may 21h 00m 45.7s 36°11'N 07°04'W 30Km
rms ±0.5s mb 3.4 W. ESTRECHO GIBRALTAR

CNIL I	0	21 01 01.0					
PLAT I	0	21 01 03.0					
FIG I	D 0	21 01 03.0	I 0	21 01 17.5			
FAR I	D 0	21 01 03.2	I 0	21 01 17.2			
EJIF I	D 0	21 01 07.7	E 0	21 01 23.1	0.04	0.3	98
EVAL I	C 0	21 01 08.3	E 0	21 01 26.1	0.14	0.2	105
NKM I	0	21 01 10.5	I 0	21 01 28.0			
OJEN I	4	21 01 12.0					
EPRU I	D 0	21 01 12.3	E 0	21 01 31.0	0.01	0.3	72
EHOR I	C 0	21 01 18.8	E 0	21 01 44.0	0.02	0.3	87
ALOJ I	C 0	21 01 24.6	E 0	21 01 53.6			
ATEJ E	0	21 01 24.7	E 0	21 01 52.9			
AAPN E	0	21 01 25.5	E 0	21 01 55.1			
AVE E	0	21 01 26.5	I 4	21 01 55.0			
ACHM E	0	21 01 27.7	E 0	21 01 58.8			
APHE E	0	21 01 27.9	E 0	21 01 59.6			
IFR I	4	21 01 28.0	I 4	21 02 00.0			
ASMO E	0	21 01 29.4	E 0	21 02 02.2			
AFC I	C 0	21 01 31.2	E 0	21 02 04.2	0.02	0.2	60
MTH E	0	21 01 33.5	I 0	21 02 09.5			
EBAN I	C 0	21 01 33.9	E 0	21 02 09.6	0.02	0.2	115
MAL I	C 4	21 01 41.3					
EPLA E	0	21 01 43.2	E 0	21 02 27.0	0.02	0.2	95
ENIJ I	D 0	21 01 43.8	E 0	21 02 27.0			70
PAB E	0	21 01 44.5	E 0	21 02 29.0			120
MTE E	0	21 01 47.5	I 0	21 02 33.2			
EVIA I	D 0	21 01 48.5	E 0	21 02 36.8	0.03	0.2	85
TOL			E 0	21 02 38.0			
TIO I	4	21 01 57.9	I 4	21 02 52.0			
MVO E	0	21 01 58.2	I 0	21 02 51.0			
GUD I	D 0	21 01 58.4	E 0	21 02 52.1			117
ACU E	0	21 02 08.1					
ECHE I	D 0	21 02 09.5					
ETOR I	C 0	21 02 12.9					105
ECRI E	0	21 02 30.6					
EROQ I	D 0	21 02 31.7					
EPF	0	21 02 52.1	4	21 04 21.2			
LPO	0	21 03 13.9					
LFF	0	21 03 14.2					
CAF	4	21 03 21.3					
RJF	4	21 03 21.7					

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

09 may 06h 37m 09.4s 37°02'N 03°37'W 2Km
rms ±0.7s mb 3.1 III DILAR.GR

APHE I	C 0	06 37 11.4	E 0	06 37 13.3			
CRT E	0	06 37 11.8	E 0	06 37 14.7			
ACHM I	C 0	06 37 12.4	E 0	06 37 14.3			
AFC I	C 0	06 37 12.7	E 0	06 37 15.7			87
ATEJ I	C 0	06 37 14.9	E 0	06 37 19.9			
ASMO E	0	06 37 14.9	E 0	06 37 20.2			
ALOJ I	C 0	06 37 15.6	E 0	06 37 22.0			
AAPN E	C 0	06 37 17.9	E 0	06 37 23.5			
MAL I	0	06 37 22.0	I 0	06 37 32.0			
ENIJ I	D 0	06 37 29.8	E 0	06 37 44.4	0.06	0.3	60
EBAN I	C 0	06 37 30.6	E 0	06 37 46.2	0.06	0.3	85
EPRU E	0	06 37 34.1	E 0	06 37 52.6	0.04	0.6	75
EHOR I	C 0	06 37 37.1	E 0	06 37 57.2	0.03	0.3	60
EJIF E	0	06 37 37.9	E 0	06 37 58.2	0.03	0.5	65
EVIA I	C 0	06 37 41.1	E 0	06 38 03.5	0.07	0.5	75
EVAL E	0	06 37 50.1	E 0	06 38 22.3			
EPLA E	0	06 38 04.8					
GUD E	0	06 38 05.9					
ETOR E	0	06 38 11.2	E 0	06 38 57.1			95

10 may 19h 49m 04.1s 40°42'N 09°45'W 17Km
rms ±0.6s mb 3.2 W. PORTO

COI I	D 0	19 49 23.8	I 0	19 49 39.3			
MTE I	C 0	19 49 33.8	I 4	19 49 58.0			
MVO E	0	19 49 39.0	I 4	19 50 05.5			
MTH E	4	19 49 39.5	I 4	19 50 06.0			
STS E	0	19 49 40.5			0.02	0.3	60
MOE E	0	19 49 42.0	I 4	19 50 21.5			
LIS E	4	19 49 44.0	I 4	19 50 08.1			
ERUA E	0	19 49 44.5					
EPLA E	0	19 49 47.7	E 0	19 50 21.0	0.09	0.4	140
EMON E	0	19 49 53.0	E 0	19 50 31.0	0.06	0.3	160
EVAL E	0	19 50 02.6	E 0	19 50 46.6	0.01	0.3	130
GUD E	0	19 50 06.8	E 0	19 50 55.0	0.01	0.3	165
TOL E	4	19 50 07.5	I 4	19 51 04.0	0.41	1.0	150
PAB I	0	19 50 07.5	E 4	19 50 53.0			160
EHOR E	0	19 50 11.0	E 0	19 51 01.0	0.01	0.5	125
EBAN E	0	19 50 20.6	E 0	19 51 18.0			130
FIG E	4	19 50 22.0	E 4	19 51 11.0			130
ALOJ E	0	19 50 27.5	E 4	19 51 27.0			
ASMO E	0	19 50 28.0	E 4	19 51 28.5			
ECRI E	0	19 50 29.0					
ETOR E	0	19 50 29.5			0.01	0.4	180
ATEJ E	0	19 50 30.0	E 4	19 51 31.0			

11 may 07h 51m 25.2s 37°17'N 13°22'W
rms ±0.8s mb 3.6 ATLANTICO

LIS			E 0	07 52 59.0			
MTH E	0	07 52 20.0	I 0	07 53 00.0			
MOE E	0	07 52 25.6	I 0	07 53 11.5			
EVAL E	0	07 52 41.0	E 0	07 53 37.0	0.00	0.0	120
MTE E	0	07 52 44.8	E 0	07 53 44.5			
MVO E	0	07 52 53.5	E 0	07 54 02.5			
EPLA E	0	07 52 56.6	E 0	07 54 05.0	0.00	0.0	130
EHOR			E 0	07 54 08.0			
STS E	0	07 53 02.0	E 0	07 54 13.0	0.00	0.0	90
EBAN E	0	07 53 14.0	E 0	07 54 35.0			
EMON E	0	07 53 14.5	E 0	07 54 35.2	0.00	0.0	140
TIO I	4	07 53 15.4	I 4	07 54 40.0			
GUD			E 0	07 54 45.0			
ETOR E	0	07 53 41.2	E 0	07 55 21.6			

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

11 may 11h 10m 50.1s 37°22'N 03°36'W 3Km
rms ±0.6s mb 2.5 iZNALLOZ.GR

ASMO I C 0	11 10 51.5	E 0 11 10 54.2		
AFC I C 0	11 10 52.2	E 0 11 10 53.2		30
ACHM E 0	11 10 56.3	E 0 11 11 01.4		
APHE E 0	11 10 58.5			
ALOJ E 0	11 10 58.6			
ATEJ E 0	11 11 00.1			
EBAN E 0	11 11 05.5	E 0 11 11 15.0		30
EHOR E 0	11 11 14.6	E 0 11 11 34.2		32
EVIA E 0	11 11 17.0	E 0 11 11 38.3		

12 may 08h 53m 03.4s 38°55'N 08°30'W 4Km
rms ±0.8s mb 3.1 CORUCHE.PORT

MTH I D 0	08 53 13.2	I 0 08 53 20.0		
LIS		E 0 08 53 21.0		
COI 1 0	08 53 27.3	I 0 08 53 44.0		
MTE I D 4	08 53 36.5	I 0 08 53 55.0		
EVAL E 0	08 53 36.6	E 0 08 54 00.0	0.00 0.0	95
EPLA E 0	08 53 39.2	E 0 08 54 08.0	0.00 0.0	90
FIG E 9	08 53 39.5	I 0 08 54 05.0		
FAR E 9	08 53 42.0	E 0 08 54 07.0		
MVO I D 0	08 53 44.0	I 4 08 54 12.5		
EHOR E 0	08 53 48.0	E 0 08 54 20.6	0.00 0.0	98
EZAM E 0	08 53 53.6	E 0 08 54 33.8	0.00 0.0	90
PAB E 0	08 53 54.7	E 0 08 54 35.0		150
ERUA E 0	08 53 58.5		0.00 0.0	105
TOL		E 0 08 54 40.0		
EBAN		E 0 08 54 43.5	0.00 0.0	90
ALJ E 4	08 54 05.0			
GIBL E 4	08 54 07.0			
EMON E 0	08 54 13.0			
ALOJ E 4	08 54 13.5			
ATEJ E 4	08 54 14.0	E 4 08 55 05.0		
AAPN E 4	08 54 15.0	E 4 08 55 06.0		
APHE E 4	08 54 17.0			
GUD E 9	08 54 18.0	E 0 08 55 02.7	0.00 0.0	110
ASMO E 4	08 54 20.0	E 4 08 55 13.5		

12 may 19h 33m 21.7s 41°46'N 02°46'E 2Km
rms ±0.8s mb 3.1 VIDRIERES.GE

FONT C 0	19 33 26.1			
SQD 0	19 33 26.9			
OLT C 0	19 33 29.6	0 19 33 35.1		
ETER I 0	19 33 32.0	E 0 19 33 40.0		45
FBR 0	19 33 32.6	0 19 33 40.4		
MRB C 0	19 33 34.8	0 19 33 43.2		76
PERF 0	19 33 34.9	0 19 33 45.4		
VDCF 0	19 33 38.0	0 19 33 48.6		
MTHF 0	19 33 43.2	0 19 33 58.8		
GRBF 0	19 33 47.2	0 19 34 04.7		
AVN 0	19 33 48.7	0 19 34 08.1		109
SALF 0	19 33 49.1	0 19 34 09.4		
LESF 0	19 33 51.9	0 19 34 14.0		
VIH 0	19 33 52.8	0 19 34 15.4		52
EBR		E 4 19 34 24.0		
EROQ E 9	19 33 59.0	E 0 19 34 24.5		60
EPF 9	19 34 01.0	0 19 34 28.4	0.02 0.3	
CAF 0	19 34 11.0			
LPO 4	19 34 19.8	4 19 34 59.0	0.01 0.3	
SBF 0	19 34 22.9	0 19 35 08.0		
ETOR E 9	19 34 36.0	0 19 35 21.2		

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

13 may 14h 14m 10.9s 36°28'N 05°39'W 4Km
rms ±0.8s mb 2.5 ALCALA LOS GAZULES.CA

EJIF I D 0	14 14 12.5	E 0 14 14 15.0		75
MOMI I 0	14 14 14.0			
CNIL I 4	14 14 14.0			
GIBL I 0	14 14 19.0			
PLAT I 4	14 14 20.5			
OJEN I 4	14 14 20.5			
EPRU E 0	14 14 21.8	E 0 14 14 30.5	0.03 0.6	52
ATEJ E 0	14 14 35.2	E 0 14 14 56.5		
EHOR E 0	14 14 35.5	E 0 14 14 54.2	0.01 0.3	35
EVAL E 0	14 14 36.2	E 0 14 14 55.0		35
ALOJ E 0	14 14 37.5			
AAPN E 4	14 14 40.0			

14 may 11h 01m 00.2s 42°20'N 06°48'W 1Km
rms ±0.4s mb 2.6 SERRA DO EIXE.OR

ERUA I C 0	11 01 04.0	E 0 11 01 08.0	0.03 0.2	40
EMON E 0	11 01 21.6	E 0 11 01 37.0	0.02 0.2	40
MVO E 0	11 01 21.8	I 0 11 01 37.5		
EZAM E 0	11 01 26.0	E 0 11 01 45.0		30
STS E 0	11 01 26.0	E 0 11 01 45.0	0.01 0.3	30
EPLA E 9	11 01 45.2	E 0 11 02 14.0		40
GUD E 9	11 01 50.5	E 0 11 02 22.0		50

15 may 23h 32m 18.7s 34°58'N 04°16'W 5Km
rms ±0.8s mb 3.5 TARGUIST.MAC

TAF I 0	23 32 45.0	I 0 23 33 05.0		
PLAT I 4	23 32 44.0			
MOMI I 4	23 32 45.0			
IFR I 0	23 32 46.5	I 0 23 33 08.0		
MAL I C 0	23 32 48.5	I 0 23 33 09.0	0.36 0.8	108
OJEN I 4	23 32 49.5			
EJIF E 0	23 32 50.0	E 0 23 33 11.0	0.00 0.0	170
APHE E 0	23 32 50.6	E 0 23 33 15.6		
ACHM E 0	23 32 52.6	E 0 23 33 19.8		
ALOJ E 0	23 32 53.2	E 0 23 33 20.6		
CNIL I 4	23 32 55.0			
EPRU E 0	23 32 54.5	E 0 23 33 20.4	0.00 0.0	130
AAPN E 0	23 32 56.5	E 0 23 33 25.8		
ENIJ E 9	23 32 57.0	E 0 23 33 27.6	0.00 0.0	105
ASMO E 0	23 32 57.0	E 0 23 33 28.3		
AFC E 0	23 32 57.5	E 0 23 33 26.5	0.00 0.0	100
EHOR E 0	23 33 05.0	E 0 23 33 41.0	0.00 0.0	80
AVE I 0	23 33 07.5	I 0 23 33 42.5		
EVAL E 0	23 33 09.0	E 0 23 33 46.8		
EVIA		E 0 23 34 03.0	0.00 0.0	120
TOL E 4	23 33 27.0	E 4 23 34 25.0	0.03 1.0	130
PAB E 0	23 33 28.0	E 0 23 34 18.0		
TIO I 0	23 33 29.5	I 0 23 34 23.0		
EPLA E 0	23 33 37.0	E 0 23 34 35.5		
GUD E 0	23 33 43.6	E 0 23 34 45.0		130
ETOR E 0	23 33 48.0			

15 may 23h 41m 23.8s 34°54'N 04°14'W
rms ±0.4s mb 2.9 TARGUIST.MAC

NKM I 0	23 41 43.5	I 0 23 41 59.5		
TAF E 0	23 41 50.0	I 0 23 42 11.0		
IFR I 0	23 41 51.5	E 0 23 42 12.0		
EJIF E 0	23 41 55.0			

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

16 may 00h 16m 24.3s 43°04'N 00°49'W
rms ±0.8s mb 1.4 MONTORY.FR

ISSF I C 0 00 16 24.6 E 0 00 16 25.7
MADF 0 00 16 25.2 E 0 00 16 26.9
ATE I C 0 00 16 25.5 E 0 00 16 27.3
BOH I C 0 00 16 26.0 E 0 00 16 28.2
ECRI E 0 00 16 50.0 E 0 00 17 08.2

16 may 00h 58m 50.0s 34°52'N 04°06'W
rms ±0.7s mb 3.3 BOURED.MAC

NKM I 0 00 59 10.5 I 0 00 59 29.0
IFR I 0 00 59 18.0 I 0 00 59 39.0
EJIF E 0 00 59 22.8 E 0 00 59 48.5
EPRU E 0 00 59 27.0
TIO I 0 00 59 62.0 E 0 01 00 56.0

16 may 13h 25m 29.8s 34°53'N 04°27'W
rms ±0.8s mb 3.0 TARGUIST.MAC

NKM I 0 13 25 47.8 E 0 13 25 59.5
IFR I 0 13 25 55.0 I 0 13 26 16.5
EJIF E 0 13 26 00.5 E 0 13 26 23.8
AVE E 0 13 26 16.5 E 0 13 26 51.0
TIO I 0 13 26 38.5 I 0 13 27 33.4

16 may 20h 20m 47.3s 36°32'N 02°45'W 3Km
rms ±0.6s mb 3.0 SE. ADRA

ALM I 0 20 20 54.9 E 0 20 20 59.8
ENIJ I C 0 20 20 58.7 E 0 20 21 06.5 0.00 0.0 70
APHE E 0 20 21 03.2 E 0 20 21 14.3
AFC E 0 20 21 05.4 E 0 20 21 17.6 0.00 0.0 50
ACHM E 0 20 21 06.2 E 0 20 21 19.5
ATEJ E 0 20 21 06.4 E 4 20 21 19.5
ASMO E 0 20 21 09.2
ALQJ E 0 20 21 09.4 E 4 20 21 23.4
AAPN E 0 20 21 13.3 E 0 20 21 29.1
EALH E 0 20 21 16.0
EBAN E 9 20 21 22.0 E 0 20 21 46.0 0.00 0.0 65
EVIA E 9 20 21 27.0 E 0 20 21 53.5 0.00 0.0 55
EHOR E 9 20 21 34.3 E 0 20 22 04.2 0.00 0.0 56
PAB E 4 20 21 49.0 E 4 20 22 25.0 90
TOL E 4 20 21 55.0 E 4 20 22 53.0 90

17 may 18h 50m 18.8s 42°20'N 07°08'W 10Km
rms ±0.6s mb 2.5 O BOLO.OR

ERUA I D 0 18 50 20.0 E 0 18 50 23.0 35
EMON E 0 18 50 37.5 E 0 18 50 53.8 48
EZAM E 0 18 50 39.5 0 18 50 55.3
STS 0 18 50 56.5
GUD E 9 18 51 06.0 E 0 18 51 39.5

18 may 06h 23m 05.9s 37°20'N 02°30'W
rms ±0.7s mb 3.0 SERON.AL

ENIJ I D 0 06 23 14.0 E 0 06 23 19.6 0.10 0.2 50
AFC E 0 06 23 20.2 E 0 06 23 32.0 0.01 0.4 45
ASMO E 0 06 23 23.9 E 4 06 23 40.0

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

APHE E 0 06 23 24.0
EALH E 0 06 23 24.7 E 0 06 23 38.0 0.02 0.4 40
EBAN E 0 06 23 28.2 E 0 06 23 46.0 0.03 0.2 50
EVIA E 0 06 23 28.5 E 0 06 23 44.0 0.04 0.2 45
ATEJ E 0 06 23 28.7 E 4 06 23 48.5
AAPN E 0 06 23 29.8 E 4 06 23 48.8
ALQJ E 0 06 23 30.3 E 4 06 23 49.3

18 may 23h 40m 30.4s 42°52'N 08°43'W 10Km
rms ±0.3s mb 2.9 NEGREIRA.C

STS I C 0 23 40 33.1 E 0 23 40 35.5 0.11 0.2 25
EZAM I D 0 23 40 43.5 E 0 23 40 53.2 0.02 0.2 28
EMON I D 0 23 40 51.3 E 0 23 41 06.0 0.03 0.2 60
ERUA E 0 23 40 53.2 E 0 23 41 09.2 0.01 0.2 30

19 may 20h 35m 30.8s 41°13'N 01°30'E 2Km
rms ±0.8s mb 2.9 VENDRELL.T

MRB 0 20 35 38.4 0 20 35 44.5 48
FBR 0 20 35 46.5
ERQJ E 0 20 35 47.2 E 0 20 35 59.2 37
AVN 0 20 35 46.0 0 20 35 56.9 73
FONT 0 20 35 46.7 0 20 35 58.0
OLT 0 20 35 51.9 0 20 36 08.2 50
VIH 0 20 35 57.5 0 20 36 17.8
VDCF 0 20 35 57.5 0 20 36 17.9
SALF 0 20 35 58.5 0 20 36 18.1
GRBF 0 20 35 59.9 0 20 36 21.1
MLS 0 20 36 02.1 0 20 36 24.8
LESF 0 20 36 03.6
MTHF 4 20 36 05.0 0 20 36 28.2
ETOR E 0 20 36 15.0

22 may 13h 31m 01.0s 35°50'N 10°18'W
rms ±0.5s mb 3.1 SW. CABO S.VICENTE

MOE E 0 13 31 48.0 E 0 13 32 22.0
EVAL E 0 13 32 07.0 E 0 13 32 28.0
EHOR E 0 13 32 11.5 I=4 13 33 01.0
EPLA E 0 13 32 18.2 E 0 13 33 16.8
TIO I 0 13 32 20.5 I 4 13 33 14.0
EBAN I 0 13 32 24.3 E 0 13 33 24.6
GUD E 0 13 32 38.5
EVIA E 0 13 32 38.6 E 0 13 33 51.5
ETOR E 0 13 32 56.6

23 may 22h 52m 01.2s 35°45'N 01°15'W
rms ±0.9s mb 3.7 N. CABO FIGALO

ENIJ I C 0 22 52 22.9 E 0 22 52 40.0 240
TAF I 0 22 52 23.0
EMEL E 0 22 52 23.7 E 0 22 52 41.2 140
EALH E 0 22 52 32.7 E 0 22 52 57.7 0.03 0.3 185
APHE I C 0 22 52 35.2 E 4 22 52 58.6
ATEJ I C 4 22 52 37.0 4 22 53 02.5
AFC I C 0 22 52 37.9 E 0 22 53 03.8 0.08 0.3 170
CRT E 0 22 52 38.1
ACHM I C 0 22 52 38.5
ALQJ E 0 22 52 40.5 4 22 53 08.7
ASMO I C 0 22 52 41.0 0 22 53 09.7
MAL E 0 22 52 41.5 I 0 22 53 11.0 0.22 0.8 90
AAPN E 0 22 52 43.6 0 22 53 12.5

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1990

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
ACU	E	0	22 52 45.2	E 0	22 53 13.6			73	26 may 09h 21m 08.7s 38°22'N 11°37'W 27Km								
EVIA	E	0	22 52 46.7	E 0	22 53 20.5	0.12	0.3	200	rms ±0.7s mb 4.7 III-IV ATLANTICO								
EBAN	E	0	22 52 47.8	E 0	22 53 24.8	0.10	0.3	190	LIS	E	0	09 21 40.4	E 0	09 22 01.7			
NKM	I	0	22 52 52.5						MTH	I	C 0	09 21 41.0	E 0	09 22 02.0			
EJIF	E	0	22 52 52.6	E 0	22 53 32.5	0.04	0.5	135	MOE	I	D 0	09 21 48.5	E 0	09 22 16.5			
EPRU	E	0	22 52 52.6	E 0	22 53 30.0	0.03	0.7	140	COI		0	09 21 55.0		0	09 22 30.0		
OJEN	I	0	22 52 54.0						FAR	I	D 0	09 21 56.8	I 0	09 22 31.3			
ALJ	I	0	22 52 56.0						FIG	I	C 0	09 21 58.0	I 0	09 22 33.8			
EHOR	I	C 0	22 52 56.6	E 0	22 53 40.5	0.02	0.4	130	PTO	I	C 0	09 22 03.2	I 0	09 22 42.0			
PLAT	I	0	22 52 57.0						MTE	E	0	09 22 05.4	E 0	09 22 44.5			
CNIL	I	4	22 52 57.0						Eval	I	D 0	09 22 06.9	E 0	09 22 49.0			460
MOMI	I	4	22 52 58.0						EZAM	I	C 0	09 22 13.3					340
IFR	I	0	22 52 58.0						EPLA	E	0	09 22 17.0	E 0	09 23 06.3			460
PAB	I	0	22 53 07.5	E 0	22 53 56.5			240	CNIL	E	0	09 22 20.5					
AVE	E	4	22 53 08.0						STS	E	0	09 22 22.1	E 0	09 23 16.0			400
TOL	E	0	22 53 09.0	E 4	22 53 56.0	0.06	0.7	180	EHOR	I	D 0	09 22 22.3	E 0	09 23 16.7	0.65	0.1	440
Eval	I	C 0	22 53 09.1	E 0	22 54 01.9			145	ALJ	E	0	09 22 23.5					
ETOR	I	C 0	22 53 15.5	E 0	22 54 09.7			160	EPRU	I	D 0	09 22 25.2	E 0	09 23 22.0	0.09	0.2	440
ESEL	I	C 0	22 53 15.5	E 0	22 54 11.9			90	EJIF	E	D 0	09 22 25.4	E 0	09 23 22.0	0.09	0.2	500
EROQ	I	C 0	22 53 16.6	E 0	22 54 13.7				ERUA	E	0	09 22 26.0	E 0	09 23 22.0			450
GUD	I	C 0	22 53 19.8	E 0	22 54 17.9	0.01	0.5	210	RBA	I	0	09 22 32.0	I 4	09 23 28.5			
FIG				E 0	22 54 19.6				PAB	I	0	09 22 32.5	I 0	09 23 33.5			600
EPLA	I	C 0	22 53 23.6	E 0	22 54 27.6	0.06	0.5	150	NKM	I	0	09 22 32.5	I 4	09 23 28.5			
MOE	I	D 0	22 53 30.5	E 0	22 54 38.5				MAL	I	D 0	09 22 35.0	I 0	09 23 37.3	0.57	0.7	480
MTE	I	C 0	22 53 38.3	I 0	22 54 51.0				TOL	E	0	09 22 35.0	E 4	09 23 40.0			550
MVO	E	0	22 53 43.3	E 0	22 54 57.8				EMON	E	0	09 22 35.3	E 0	09 23 38.8			
EPF		0	22 53 48.5	E 0	22 55 07.2	0.01	0.8		AAPN	I	D 0	09 22 35.6	I 4	09 23 34.2			
LPO		0	22 54 11.8						AVE	I	0	09 22 35.8	I 4	09 23 36.5			
LFF		0	22 54 14.4				0.01	0.8	ALOJ	I	D 0	09 22 36.8	E 4	09 23 36.9			
CAF		0	22 54 16.4						EBAN	I	C 0	09 22 37.5	E 0	09 23 43.7	0.12	0.1	440
LMR		0	22 54 18.2						GUD	I	0	09 22 38.6	E 0	09 23 44.0	0.08	0.1	460
TIO	I	4	22 54 36.4						ATEJ	E	0	09 22 38.9	E 4	09 23 40.6			
24 may 00h 07m 20.2s 36°47'N 05°29'W									ASMO								
rms ±0.8s mb 2.6 EL BOSQUE.CA									I D 0 09 22 39.5 E 4 09 23 41.5								
LIJA	I	0	00 07 21.0						ACHM	I	D 0	09 22 39.9	E 4	09 23 41.6			
GIBL	I	4	00 07 22.5						APHE	I	D 0	09 22 41.6	E 4	09 23 46.3			
EPRU	I	D 0	00 07 23.4	E 0	00 07 29.4			50	CRT	E	D 0	09 22 42.3	E 4	09 23 45.9			
ALJ	I	0	00 07 23.5						AFC	I	D 0	09 22 42.4	E 0	09 23 52.7	0.05	0.2	360
EJIF	E	0	00 07 25.5						IFR	I	0	09 22 50.0	I 4	09 24 02.5			
EHOR	E	0	00 07 39.0	E 0	00 07 53.8			35	EVIA	I	D 0	09 22 50.5	E 0	09 24 08.4	0.23	0.2	410
ALOJ	E	0	00 07 41.8	E 4	00 07 59.5				EMEL	E	0	09 22 56.7					185
AAPN	E	0	00 07 42.5	E 0	00 07 59.8				ENIJ	E	C 0	09 22 56.9	E 0	09 24 20.2	0.03	0.2	400
ATEJ	E	0	00 07 42.5	E 4	00 08 01.5				ETOR	E	0	09 23 00.2	E 0	09 24 24.5	0.09	0.1	530
Eval	E	0	00 07 43.0	E 0	00 08 02.2			35	EALH	E	0	09 23 04.2	E 0	09 24 30.7	0.12	1.0	300
ASMO	E	4	00 07 49.5						TIO	I	0	09 23 05.0	I 4	09 25 26.0			
EBAN	E	0	00 07 53.0	E 0	00 08 16.6			44	ECRI	E	0	09 23 05.4	E 0	09 24 32.6	0.12	0.2	420
25 may 01h 42m 28.8s 35°49'N 00°55'W									TAF								
rms ±1.0s mb 3.1 NW. ORAN									I 0 09 23 06.0 I 0 09 24 34.0								
ENIJ	E	0	01 42 52.0	E 0	01 43 09.5			170	ECHE	E	0	09 23 08.0	E 0	09 24 37.6	0.09	0.3	410
EMEL	E	0	01 42 55.5	E 0	01 43 16.0			115	ACU	E	0	09 23 13.1	E 0	09 24 49.4	0.03	0.2	290
TAF	E	4	01 43 00.0	I 4	01 43 22.0				BOH		0	09 23 22.1	E 0	09 25 01.9			
EALH	E	0	01 43 00.2					160	ISSF		0	09 23 24.2	E 0	09 25 02.8			
APHE	E	0	01 43 06.0	E 0	01 43 35.7				EROQ	E	0	09 23 24.7	E 0	09 25 07.6	0.04	0.2	340
ATEJ	E	0	01 43 08.0	E 0	01 43 39.8				EPF		0	09 23 34.1	4	09 25 20.2	0.52	0.8	
AFC	E	0	01 43 08.2						LFF		0	09 23 48.8	4	09 25 45.0			
ACHM	E	0	01 43 09.4						LPO		0	09 23 50.4					
ASMO	E	0	01 43 10.6	E 4	01 43 47.0				ETER	E	0	09 23 54.0			0.11	0.9	325
ALOJ	E	0	01 43 12.1						28 may 18h 45m 44.1s 37°50'N 04°08'W 6Km								
EVIA	E	0	01 43 14.4	E 0	01 43 49.0			180	rms ±0.5s mb 2.9 PORCUNA.J								
AAPN	E	0	01 43 14.8	E 4	01 43 49.0				EBAN	I	C 0	18 45 52.0	E 0	18 45 57.8			55
EBAN	E	0	01 43 19.0						ASMO	E	0	18 45 54.0	E 0	18 46 01.5			
IFR	I	0	01 43 30.0	I 0	01 44 14.0				AAPN	E	0	18 45 54.1	E 0	18 46 01.6			
									ALOJ	E	0	18 45 57.4	E 0	18 46 07.7			
									EHOR	E	0	18 45 58.5	E 0	18 46 12.5			30
									APHE	E	0	18 46 01.3	E 0	18 46 13.4			
									ATEJ	E	0	18 46 01.4	E 0	18 46 14.2			
									EVIA	E	0	18 46 10.7	E 0	18 46 30.0			33

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

29 may 22h 20m 22.2s 42°34'N 00°59'E 2Km
rms ±0.7s mb 2.7 VALL DE BOI.L

VIH	0	22	20	25.4						
SALF	0	22	20	26.1	0	22	20	29.4		
MLS	0	22	20	29.1	0	22	20	34.7		
LESF	0	22	20	31.5	0	22	20	38.1		
EPF	0	22	20	33.8	0	22	20	43.3		
AVN	0	22	20	35.1	0	22	20	43.6		
MRB	0	22	20	43.8	0	22	20	59.1		
OLT	0	22	20	44.3	4	22	21	02.3		
SQD	0	22	20	44.9						
FONT	0	22	20	46.1	E 0	22	21	04.0		
ETER E	0	22	20	48.7	E 0	22	21	07.5		
EROQ E	0	22	20	54.7	E 0	22	21	17.8		
LPO	9	22	21	01.4	E 0	22	21	28.8		

31 may 16h 13m 56.7s 36°08'N 07°05'W
rms ±0.8s mb 3.0 W. ESTRECHO GIBRALTAR

EJIF E	0	16	14	19.0	E 0	16	14	35.5		
EVAL					E 0	16	14	37.6		
ALOJ E	0	16	14	36.0						
ATEJ E	0	16	14	36.1	I 4	16	14	58.2		
AAPN E	0	16	14	37.0						
APHE E	0	16	14	39.7						
ASMO E	0	16	14	40.9						
EHOR					E 0	16	14	55.3		
IFR I	0	16	14	42.0	I 0	16	15	14.5		
AFC E	0	16	14	43.0	E 0	16	15	16.8		50
EBAN E	0	16	14	45.0	E 0	16	15	21.0		60
EPLA E	0	16	14	56.5	E 0	16	15	39.0		
GUD E	0	16	15	10.0	E 0	16	16	04.0		
ETOR E	0	16	15	25.0	E 0	16	16	30.0		

02 jun 14h 43m 18.8s 43°06'N 01°49'W 7Km
rms ±0.6s mb 2.8 EZCURRA.NA

BOH C	0	14	43	29.1	E 0	14	43	38.0		63
MADF	0	14	43	31.5	E 0	14	43	41.9		52
ISSF	0	14	43	32.1	E 0	14	43	43.2		63
ECRI I D	0	14	43	32.4	E 0	14	43	42.2	0.09	0.2 100
EPF	0	14	43	45.3						
AVN	4	14	43	59.5						
LPO	0	14	44	01.8	0	14	44	33.8		
EROQ E	0	14	44	03.0	E 0	14	44	38.0	0.01	0.3 85
CAF	4	14	44	03.7						
GUD E	0	14	44	05.2	E 0	14	44	40.5		65
LFF	4	14	44	05.8	4	14	44	42.6		
MRB	0	14	44	06.2						
RJF	4	14	44	06.8	4	14	44	47.1		
OLT	0	14	44	10.7						
MAF	4	14	44	22.6						

03 jun 08h 52m 22.4s 39°26'N 10°49'W 30Km
rms ±0.8s mb 3.2 ATLANTICO

MTH E	0	08	52	44.0	I 0	08	53	01.0		
LIS E	0	08	52	45.5	I 0	08	53	04.2		
COI	0	08	52	54.0						
MTE E	0	08	53	04.5	I 4	08	53	38.5		
EZAM E	0	08	53	08.8	E 0	08	53	44.8	0.03	0.4 64
MVO E	0	08	53	12.3	E 0	08	53	50.5		
FIG I C	0	08	53	12.7	I 0	08	53	48.8		
EVAL E	0	08	53	15.0	E 0	08	53	55.9		
EPLA E	0	08	53	17.2	E 0	08	53	58.0	0.02	0.3 100

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

STS					E 0	08	54	00.7		
ERUA E	0	08	53	22.6	E 0	08	54	07.2	0.01	0.3 95
EHOR E	0	08	53	29.6	E 0	08	54	20.4		98
EMON E	0	08	53	31.1	E 0	08	54	23.0	0.02	0.3 115
PAB I D	0	08	53	34.5	E 0	08	54	30.0		150
GUD E	0	08	53	38.4	E 0	08	54	36.0		130
TOL E	0	08	53	38.0	E 0	08	54	35.0	0.01	0.8 150
EBAN					E 0	08	54	44.0	0.02	0.5
ALOJ E	0	08	53	46.5	E 4	08	54	45.0		
ATEJ E	0	08	53	49.4	E 0	08	54	50.5		
APHE E	0	08	53	50.5	E 4	08	54	51.5		
EVIA					E 0	08	55	07.7		
ETOR E	0	08	54	00.5	E 0	08	55	13.5		

03 jun 17h 26m 20.6s 37°03'N 04°24'W
rms ±0.9s mb 2.4 VILLANUEVA TRABUCO.MA

MAL I C	0	17	26	26.0	I 0	17	26	30.5		
AFC E	0	17	26	34.5	E 0	17	26	44.0		30
EHOR E	0	17	26	38.8	E 0	17	26	53.3		
EBAN E	0	17	26	41.2	E 0	17	26	57.6	0.01	0.3 40
EJIF E	0	17	26	41.3						

06 jun 11h 27m 25.6s 37°22'N 03°49'W 15Km
rms ±0.4s mb 2.6 MOCLIN.GR

ASMO I	0	11	27	28.6						
AFC I	0	11	27	30.3	E 0	11	27	34.5	0.04	0.3 27
AAPN I	0	11	27	30.7						
ACHM E	0	11	27	31.0						
ALOJ E	0	11	27	32.0						
APHE I	0	11	27	33.3						
ATEJ E	0	11	27	34.3						
EBAN E	0	11	27	40.5	E 0	11	27	50.6	0.02	0.2 25
EHOR					E 0	11	28	03.4	0.01	0.3
EVIA E	0	11	27	54.8	E 0	11	28	12.6	0.02	0.3 25

06 jun 18h 05m 14.1s 37°22'N 03°48'W 13Km
rms ±0.4s mb 2.6 MOCLIN.GR

ASMO I	0	18	05	16.8						
AFC I D	0	18	05	19.0	E 0	18	05	22.0	0.05	0.3 27
CRT					0	18	05	23.3		
ACHM I	0	18	05	19.3						
AAPN I	0	18	05	19.6						
ALOJ E	0	18	05	21.0						
APHE I	0	18	05	21.5						
ATEJ E	0	18	05	22.8						
EBAN E	0	18	05	28.8	E 0	18	05	39.0	0.01	0.2 40
EVIA E	0	18	05	43.3	E 0	18	06	01.5	0.02	0.3 40

06 jun 18h 08m 27.2s 37°22'N 03°48'W 16Km
rms ±0.4s mb 2.2 MOCLIN.GR

ASMO I	0	18	08	30.0						
AFC I	0	18	08	32.0	E 0	18	08	36.3	0.02	0.3 15
ACHM E	0	18	08	32.5						
ALOJ E	0	18	08	33.0						
AAPN I	0	18	08	33.0						
APHE I	0	18	08	35.0						
ATEJ E	0	18	08	37.0						
EBAN E	0	18	08	42.0	E 0	18	08	52.5		18

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
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06 jun 18h 53m 14.7s 37°23'N 03°48'W
rms ±0.5s mb 2.2 MOCLIN.GR

ASMO E	4	18 53 12.4						
AFC I	0	18 53 19.0	E 0	18 53 23.6	0.02	0.3	20	
AAPN E	0	18 53 20.0						
ACHM E	0	18 53 20.0						
ALOJ E	0	18 53 21.5						
APHE I	0	18 53 22.1						
ATEJ E	0	18 53 25.0						
EBAN E	0	18 53 29.0	E 0	18 53 39.5			20	

06 jun 23h 34m 35.0s 37°22'N 03°51'W 9Km
rms ±0.6s mb 2.5 MOCLIN.GR

ASMO I	0	23 34 37.6						
AFC I C	0	23 34 39.3	E 0	23 34 44.0	0.03	0.3	40	
APHE I	0	23 34 42.3						
ATEJ I	0	23 34 43.9						
ALOJ -I	0	23 34 41.2						
AAPN I	0	23 34 39.9						
ACHM I	0	23 34 39.6						
CRT E	4	23 34 45.0	E 0	23 34 45.2				
EBAN E	0	23 34 49.0	E 0	23 35 00.0	0.01	0.3	35	
EVIA E	0	23 35 04.0	E 0	23 35 24.0	0.01	0.3	42	

07 jun 01h 38m 02.8s 37°22'N 03°50'W 10Km
rms ±0.5s mb 2.8 MOCLIN.GR

ASMO I	0	01 38 05.5						
AFC I C	0	01 38 07.0	E 0	01 38 11.2	0.05	0.3	45	
CRT			E 0	01 38 12.6				
ACHM I	0	01 38 07.8						
AAPN I	0	01 38 08.0						
ALOJ I	0	01 38 09.3						
APHE I	0	01 38 09.8						
ATEJ I	0	01 38 11.2						
EBAN E	0	01 38 17.0	E 0	01 38 28.0	0.02	0.2	70	
MAL E	4	01 38 20.0	I 0	01 38 28.2				
EHOR			E 0	01 38 40.5	0.03	0.3		
ENIJ E	0	01 38 25.6	E 0	01 38 44.6				
EVIA E	0	01 38 30.5	E 0	01 38 52.0	0.03	0.3	55	

07 jun 03h 41m 18.8s 37°22'N 03°47'W 15Km
rms ±0.5s mb 2.0 MOCLIN.GR

ASMO I	0	03 41 21.4						
AFC E	0	03 41 23.0	E 0	03 41 27.5			12	
AAPN E	0	03 41 24.0						
ALOJ E	0	03 41 25.6						
APHE I	0	03 41 26.2						
ATEJ E	0	03 41 29.5						
EBAN E	0	03 41 33.2	E 0	03 41 44.0			18	

07 jun 05h 10m 42.0s 37°22'N 03°48'W 10Km
rms ±0.6s mb 2.1 MOCLIN.GR

ASMO I	0	05 10 44.5						
AFC I D	0	05 10 46.0	E 0	05 10 50.5	0.01	0.3	15	
ACHM I	0	05 10 47.0						
AAPN I	0	05 10 47.1						

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
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ALOJ E	0	05 10 48.0						
APHE I	0	05 10 49.3						
ATEJ E	0	05 10 52.6						
EBAN E	0	05 10 56.2	E 0	05 11 07.0			22	

07 jun 10h 11m 49.6s 37°22'N 03°47'W 12Km
rms ±0.9s mb 2.8 MOCLIN.GR

ASMO I C	0	10 11 51.8	I 0	10 11 54.9				
AFC I C	0	10 11 53.5	E 0	10 11 58.0	0.07	0.3		
ACHM I D	0	10 11 54.3						
AAPN I C	0	10 11 54.5	I 0	10 11 59.5				
APHE I D	0	10 11 56.4						
ATEJ E	0	10 11 57.4	E 0	10 12 05.6				
ALOJ E	0	10 11 57.4	E 0	10 12 01.8				
EBAN I	0	10 12 03.5	E 0	10 12 14.0	0.02	0.2	55	
EHOR E	0	10 12 10.8	E 0	10 12 27.5	0.02	0.3	28	
EVIA E	0	10 12 18.0	E 0	10 12 38.2	0.03	0.3	52	
EJIF E	0	10 12 18.7						

07 jun 14h 04m 46.1s 37°45'N 02°05'W
rms ±0.8s mb 2.7 VELEZ BLANCO.AL

EALH E	0	14 04 57.0	E 0	14 05 03.0				
ENIJ E	0	14 04 59.5	E 0	14 05 10.3	0.02	0.4	30	
EVIA E	0	14 05 02.8	E 0	14 05 17.0	0.03	0.3	40	
EBAN E	0	14 05 10.0	E 0	14 05 29.6	0.01	0.3	33	
AFC E	0	14 05 10.8						
ASMO E	0	14 05 11.3						
APHE E	0	14 05 13.7						
AAPN E	0	14 05 15.0						
ALOJ E	0	14 05 15.3						
ATEJ E	4	14 05 19.4						

08 jun 06h 28m 59.8s 37°22'N 03°49'W 14Km
rms ±0.7s mb 2.3 MOCLIN.GR

ASMO E	0	06 29 02.7						
AFC E	0	06 29 04.3	E 0	06 29 09.0	0.02	0.2	22	
ACHM E	0	06 29 05.3						
AAPN I	0	06 29 05.5						
ALOJ E	0	06 29 06.7						
APHE I	0	06 29 07.3						
ATEJ E	0	06 29 08.5						
EBAN E	0	06 29 14.2	E 0	06 29 24.6			30	
EVIA E	0	06 29 25.6	E 0	06 29 49.2				

08 jun 07h 48m 59.5s 37°22'N 03°49'W 5Km
rms ±0.6s mb 2.3 MOCLIN.GR

ASMO I	0	07 49 01.8						
AFC E	0	07 49 03.5	E 0	07 49 08.0	0.02	0.2	22	
ACHM E	0	07 49 04.4						
AAPN I	0	07 49 04.5						
ALOJ E	0	07 49 05.6						
APHE I	0	07 49 06.5						
ATEJ E	0	07 49 09.5						
EBAN E	0	07 49 14.0	E 0	07 49 24.0			25	
EVIA			E 0	07 49 49.0				

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

08 jun 11h 45m 30.2s 35°56'N 10°51'W 28Km
rms ±0.9s mb 3.1 ATLANTICO

AVE I	0	11 46 28.5	I 0	11 47 09.0			
EJIF E	0	11 46 35.6					
NKM I	0	11 46 36.5	I 4	11 47 20.5			
EHOR E	0	11 46 41.7	E 0	11 47 33.0			
IFR I	0	11 46 47.0	I 4	11 47 40.0			
EPLA E	0	11 46 51.0	E 0	11 47 51.0			
TIO I	0	11 46 54.5	I 0	11 47 55.5			
EBAN E	0	11 46 58.0	E 0	11 48 03.0	0.01	0.3	
GUD E	0	11 47 11.2	E 0	11 48 26.8			
ETOR E	0	11 47 31.0					

08 jun 11h 57m 12.8s 37°22'N 03°49'W 10Km
rms ±0.5s mb 2.3 MOCLIN.GR

ASMO I	0	11 57 15.5					
AFC I	0	11 57 17.2	E 0	11 57 22.0	0.02	0.3	18
ACHM I	0	11 57 17.8					
AAPN I	0	11 57 18.0					
ALOJ E	0	11 57 19.5					
APHE I	0	11 57 20.1					
ATEJ E	0	11 57 20.6					
EBAN E	0	11 57 27.0	E 0	11 57 38.0			22

08 jun 12h 54m 48.7s 37°23'N 03°50'W 13Km
rms ±0.8s mb 2.9 MOCLIN.GR

ASMO I C	0	12 54 51.7	E 0	12 54 54.3			
AFC I C	0	12 54 52.8	E 0	12 54 57.0	0.07	0.3	55
ACHM E	0	12 54 54.2					
CRT			E 0	12 54 58.2			
AAPN I C	0	12 54 54.4	E 0	12 54 58.4			
ALOJ I C	0	12 54 55.2	E 0	12 55 00.8			
APHE E	0	12 54 56.1	E 0	12 55 04.7			
ATEJ E	0	12 54 57.1	E 0	12 55 04.2			
EBAN I C	0	12 55 02.3	E 0	12 55 13.0	0.03	0.2	75
MAL I	0	12 55 05.0	I 0	12 55 13.6	0.07	0.4	31
EPRU E	0	12 55 10.0					75
EHOR E	0	12 55 10.0	E 0	12 55 24.8	0.08	0.3	60
ENIJ E	0	12 55 12.3	E 0	12 55 30.0			
EVIA E	0	12 55 16.5	E 0	12 55 37.5	0.06	0.3	80
EJIF E	0	12 55 17.6					
EPLA E	0	12 55 37.3	E 0	12 56 15.2	0.01	0.3	
GUD E	0	12 55 37.6	E 0	12 56 15.3			
ETOR E	0	12 55 43.0			0.01	0.4	

08 jun 16h 22m 04.8s 37°22'N 03°48'W 5Km
rms ±0.7s mb 2.5 MOCLIN.GR

ASMO I	0	16 22 07.0					
AFC E	0	16 22 08.5	E 0	16 22 13.0	0.02	0.3	18
ACHM E	0	16 22 09.7					
AAPN I	0	16 22 09.8					
ALOJ E	0	16 22 11.1					
APHE I	0	16 22 11.7					
ATEJ E	0	16 22 14.5					
EBAN E	0	16 22 19.2	E 0	16 22 29.0	0.01	0.2	28
EVIA E	0	16 22 34.0	E 0	16 22 53.6	0.01	0.3	

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

08 jun 21h 14m 23.3s 37°23'N 03°51'W
rms ±0.7s mb 2.5 MOCLIN.GR

ASMO I	0	21 14 25.7					
AFC I C	0	21 14 27.4	E 0	21 14 32.0	0.03	0.3	20
ACHM I	0	21 14 28.1					
AAPN I	0	21 14 28.4					
ALOJ I	0	21 14 29.5					
APHE I	0	21 14 30.5					
CRT E	4	21 14 31.0					
ATEJ E	0	21 14 32.0					
EBAN E	0	21 14 37.5	E 0	21 14 47.6	0.01	0.2	30
EVIA E	0	21 14 53.2	E 0	21 15 14.0	0.01	0.3	35

09 jun 00h 53m 33.8s 36°24'N 03°04'W
rms ±1.0s mb 3.1 MAR DE ALBORAN

ALM I	0	00 53 46.0	E 0	00 53 54.6			
APHE I	0	00 53 47.0					
ATEJ I	0	00 53 49.0					
ENIJ E	0	00 53 49.5	E 0	00 54 01.2	0.11	0.3	87
ACHM E	0	00 53 50.5					
AFC I C	0	00 53 51.0	E 0	00 54 03.0	0.04	0.3	60
ALOJ E	0	00 53 52.5					
ASMO I	0	00 53 54.1					
CRT E	4	00 53 54.5					
EMEL E	0	00 53 55.0	E 0	00 54 08.0			
AAPN E	0	00 53 57.9					
EBAN E	0	00 54 06.5	E 0	00 54 30.8	0.02	0.4	60
EVIA E	0	00 54 13.2	E 0	00 54 39.6	0.06	0.7	75
TOL E	4	00 54 22.0	E 4	00 54 30.0			10
GUD E	0	00 54 41.0					
ETOR E	0	00 54 41.8					

09 jun 02h 23m 53.4s 37°22'N 03°50'W 8Km
rms ±0.7s mb 2.4 MOCLIN.GR

ASMO I	0	02 23 56.0					
AFC I	0	02 23 57.5	E 0	02 24 02.0	0.02	0.3	18
AAPN I	0	02 23 58.5					
ACHM I	0	02 23 58.4					
ALOJ I	0	02 23 59.7					
APHE E	0	02 24 00.4					
CRT E	4	02 24 02.0					
EBAN E	0	02 24 07.7	E 0	02 24 18.0	0.01	0.2	28
EVIA E	0	02 24 22.6	E 0	02 24 42.7			

09 jun 02h 49m 55.0s 37°21'N 03°49'W 13Km
rms ±0.6s mb 3.0 MOCLIN.GR

ASMO E	0	02 49 57.8					
AFC I C	0	02 49 59.4	E 0	02 50 03.2	0.10	0.2	45
CRT E	0	02 50 00.1					
ACHM E	0	02 50 00.3					
AAPN I	0	02 50 00.5					
ALOJ I	0	02 50 01.6					
APHE I	0	02 50 02.3					
ATEJ I	0	02 50 03.5					
EBAN I	0	02 50 09.5	E 0	02 50 20.0	0.03	0.2	65
MAL E	4	02 50 11.5	I 4	02 50 22.2			
EHOR			E 0	02 50 31.8	0.03	0.3	
ENIJ E	0	02 50 18.8	E 0	02 50 35.0			50
EVIA E	0	02 50 23.0	E 0	02 50 44.0	0.05	0.3	65
ETOR E	0	02 50 50.0					

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

09 jun 15h 07m 32.5s 37°24'N 03°50'W 10Km
rms ±0.7s mb 3.1 MOCLIN.GR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ASMO	I	0	15 07 35.3					
AFC	I	C 0	15 07 37.0	E 0	15 07 42.0	0.16	0.3	75
ACHM	E	0	15 07 37.8					
CRT	E	0	15 07 37.8					
AAPN	I	0	15 07 37.9					
ALOJ	I	0	15 07 38.9					
APHE	I	0	15 07 40.0					
ATEJ	I	0	15 07 40.8					
EBAN	I	0	15 07 47.0	E 0	15 07 57.3	0.05	0.2	85
MAL	I	D 4	15 07 49.8	I 0	15 07 58.0	0.10	0.5	31
EHOR	E	0	15 07 54.0	E 0	15 08 10.5	0.08	0.3	52
ENIJ	E	0	15 07 57.0	E 0	15 08 15.6	0.02	0.4	65
EVIA	E	0	15 07 59.0	E 0	15 08 19.5	0.10	0.3	110
EJIF	E	0	15 08 00.8					55
ALJ	I	4	15 08 05.0					
GIBL	I	4	15 08 07.0					
GUD	E	0	15 08 22.0					105
ETOR	E	0	15 08 28.3			0.01	0.3	
TOL	E	0	15 08 10.5	E 0	15 08 42.0	0.01	0.8	100
EPLA	E	0	15 08 22.0			0.02	0.4	

11 jun 01h 11m 22.5s 42°43'N 00°11'E 3Km
rms ±0.8s mb 2.9 VALLE DE BIELSA.HU

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EPF	0	01 11 28.2		0	01 11 33.3			
VIH	0	01 11 29.6		0	01 11 36.3			
MLS	0	01 11 35.2						
SALF	0	01 11 35.9		0	01 11 46.4			
AVN	0	01 11 38.6		0	01 11 52.2			
GRBF	0	01 11 41.1						
MRB	0	01 11 52.0		4	01 12 15.3			
EROQ	E	0	01 11 55.8					
OLT	9	01 11 56.0		0	01 12 20.0			
FONT	9	01 11 57.0		0	01 12 23.3			
ECRI	E	0	01 11 57.4	E 0	01 12 21.8			
LPO	9	01 12 02.6		0	01 12 29.8			
LFF	4	01 12 02.6		4	01 12 33.0			
ETOR	E	0	01 12 02.8					
CAF	0	01 12 03.7						

12 jun 11h 13m 00.6s 37°33'N 03°55'W 5Km
rms ±0.4s mb 2.9 CASTILLO DE LOCUBIN.J

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ASMO	E	0	11 13 05.0					
AAPN	I	0	11 13 06.5					
AFC	E	0	11 13 07.9	E 0	11 13 14.0	0.04	0.3	44
ALOJ	I	0	11 13 09.2					
ACHM	E	4	11 13 11.5					
APHE	E	0	11 13 11.7					
EBAN	E	0	11 13 12.0	E 0	11 13 20.5	0.05	0.2	50
ATEJ	E	0	11 13 12.3					
EHOR	E	0	11 13 20.5	E 0	11 13 34.8	0.04	0.3	36
ENIJ	E	0	11 13 26.4	E 0	11 13 46.6			35
EVIA	E	0	11 13 28.6	E 0	11 13 47.2	0.05	0.3	50

12 jun 13h 09m 53.9s 35°58'N 10°29'W
rms ±0.8s mb 3.5 SW. CABO S. VICENTE

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
FAR				0	13 10 55.0			
FIG	I	D 0	13 10 32.0	I 0	13 10 57.5			
LIS				E 0	13 11 11.0			
MOE	E	0	13 10 40.5	I 0	13 11 13.0			

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	13 10 44.7	E 0	13 11 20.3	0.03	0.3	80
CNIL	E	0	13 10 48.0					
AVE	I	0	13 10 48.0	I 4	13 11 23.0			
PLAT	E	0	13 10 51.0					
OJEN	E	0	13 10 53.0					
EJIF	E	0	13 10 54.4	E 0	13 11 39.0	0.04	0.5	110
NKM	I	0	13 10 55.0	I 4	13 11 36.0			
EPRU	E	0	13 10 58.0	E 0	13 11 44.0			105
COI				I 0	13 11 48.3			
EHOR	E	0	13 11 00.6	E 0	13 11 49.0	0.04	0.3	110
IFR	I	0	13 11 05.5	I 4	13 11 56.5			
MTE	I	C 0	13 11 06.7	4	13 11 58.0			
ALOJ	I	0	13 11 10.5					
AAPN	I	0	13 11 10.7					
EPLA	E	0	13 11 11.0	E 0	13 12 08.5	0.08	0.3	130
ATEJ	I	0	13 11 11.4					
PTO				E 0	13 12 08.0			
ACHM	I	0	13 11 13.7					
ASMO	E	0	13 11 15.0					
APHE	I	0	13 11 15.3					
TIO	I	0	13 11 15.4	I 4	13 12 10.5			
EBAN	E	0	13 11 16.8	E 0	13 12 18.0	0.03	0.2	110
AFC	E	0	13 11 17.0	E 0	13 12 17.8			90
MVO				4	13 12 19.0			
EZAM	E	0	13 11 24.8	E 0	13 12 31.0			100
TOL	E	0	13 11 26.0	E 0	13 12 35.0	0.01	0.6	145
GUD	E	0	13 11 31.6	E 0	13 12 44.0	0.01	0.3	150
EVIA	E	0	13 11 32.2	E 0	13 12 45.0	0.02	0.3	130
ETOR	E	0	13 11 50.4	E 0	13 13 18.8			160

12 jun 18h 48m 57.2s 43°10'N 00°18'W 2Km
rms ±0.7s mb 4.0 IV ASSON.FR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
JAU	C 0		18 48 58.6					
OGE	D 0		18 48 59.8					
ESCF	C 0		18 48 60.4	E 0	18 49 03.1			
EPF	0		18 49 06.0	0	18 49 14.5			
VIH	0		18 49 14.1					240
AVN	0		18 49 23.8					297
ECRI	I	D 0	18 49 28.2	E 0	18 49 50.4			200
LPO	0		18 49 28.4					
LFF	0		18 49 29.4					
CAF	0		18 49 36.1					
OLT	4		18 49 37.0					220
EROQ	E	0	18 49 37.7	E 0	18 50 06.1			165
EBR	E	9	18 49 39.0	E 0	18 50 09.0			
ETER	E	9	18 49 45.0	E 0	18 50 16.0	0.18	0.3	160
ETOR	I	D 0	18 49 40.4	E 0	18 50 12.2	0.12	0.3	230
ECHE	E	0	18 49 52.2	E 0	18 50 35.2	0.13	0.4	180
GUD	0		18 49 56.2	E 0	18 50 40.2	0.04	0.4	200
ESEL	E	0	18 50 00.8	E 0	18 50 48.7	0.02	0.3	180
TOL	E	0	18 50 02.0	I 0	18 50 52.0	0.08	0.8	200
EVIA	E	0	18 50 09.5	E 0	18 51 05.4	0.10	0.5	160
ERUA	E	0	18 50 14.0	E 0	18 51 12.5	0.02	0.4	165
EPLA	E	0	18 50 15.7	E 0	18 51 17.3	0.04	0.5	180
EMON	E	0	18 50 15.8	E 0	18 51 13.3	0.02	0.4	170
MVO	E	0	18 50 17.4	E 0	18 51 17.9			
EZAM	E	0	18 50 29.5	E 0	18 51 40.6			
ASMO	I	0	18 50 31.3					
AAPN	I	0	18 50 33.3					
ACHM	I	0	18 50 35.3					
ALOJ	I	0	18 50 35.7					
MTE	E	4	18 50 36.0	4	18 52 06.5			
APHE	E	0	18 50 36.5					
ATEJ	E	0	18 50 38.0					
MOE	E	0	18 50 49.0	0	18 52 13.3			

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

15 jun 04h 42m 52.8s 42°21'N 01°48'E 3Km
rms ±0.6s mb 3.3 LA CERDANYA.L

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
VDCF	0		04 43 02.1					
OLT	D 0		04 43 02.5	0	04 43 10.0			105
GRBF	0		04 43 02.8	0	04 43 09.7			
MRB	0		04 43 06.2					
FONT	0		04 43 06.7	0	04 43 17.4			
VIH	D 0		04 43 07.0	0	04 43 17.4			100
MLS	0		04 43 07.4	0	04 43 18.1			
PERF	0		04 43 07.4					
ETER	E 0		04 43 07.5	E 0	04 43 18.0	0.07	0.2	63
AVN	C 0		04 43 09.2	0	04 43 22.3			139
FBR	0		04 43 10.5	0	04 43 23.1			
EPF	0		04 43 15.3	0	04 43 32.8			
EROQ	E 0		04 43 24.0	E 0	04 43 46.6	0.06	0.2	90
EBR	E 0		04 43 25.0	E 4	04 43 49.0			
ESCF				E 4	04 43 53.4			
ATE				E 4	04 43 55.8			
MADF				E 4	04 43 59.4			
LPO	0		04 43 32.1	0	04 44 00.2			
CAF	0		04 43 34.5	0	04 44 04.2			
ESEL	E 0		04 43 37.0	E 0	04 44 07.3			
ECRI	E 0		04 43 44.2	E 0	04 44 21.8	0.02	0.3	100
ETOR	E 0		04 43 44.4	E 0	04 44 22.2			100
ECHE	E 0		04 43 46.7					
GUD	E 0		04 44 04.6	E 0	04 44 58.0			100

15 jun 10h 37m 20.9s 43°07'N 00°22'W 2Km
rms ±0.8s mb 3.0 III VALLEE D'OSSAU.FR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
JAU	D 0		10 37 21.8	E 0	10 37 23.2			101
OGE	0		10 37 22.8					101
ESCF	C 0		10 37 23.1	E 0	10 37 25.5			50
ATE	0		10 37 24.7	E 0	10 37 28.4			
EPF	0		10 37 30.3	0	10 37 37.8			
VIH	0		10 37 38.2	0	10 37 51.4			60
AVN	0		10 37 48.2	0	10 38 08.0			85
ECRI	E 0		10 37 51.0	E 0	10 38 11.8	0.03	0.3	52
LPO	9		10 37 57.0	0	10 38 23.2			
LFF	9		10 37 58.3	0	10 38 25.3			
CAF	0		10 38 00.5					
MRB	9		10 38 02.1	0	10 38 31.0			
ETOR	E 0		10 38 03.0	E 0	10 38 36.0			
OLT	4		10 38 04.0	4	10 38 34.7			
EROQ	E 9		10 38 06.8	E 0	10 38 35.0			

15 jun 19h 24m 46.0s 43°08'N 00°21'W 2Km
rms ±0.8s mb 2.9 III VALLEE D'OSSAU.FR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
JAU	I C 0		19 24 46.9	E 0	19 24 47.7			
OGE	I D 0		19 24 48.3					
ESCF	I C 0		19 24 48.7	E 0	19 24 51.2			
ATE	0		19 24 50.3	E 0	19 24 54.3			
EPF	0		19 24 55.3	0	19 25 03.1			
VIH	0		19 25 03.0	0	19 25 17.0			
AVN	0		19 25 13.7	0	19 25 33.0			80
ECRI	E 0		19 25 16.6	E 0	19 25 37.2	0.04	0.3	55
LFF	0		19 25 18.9					
LPO	4		19 25 22.4	4	19 25 49.5			
CAF	0		19 25 26.0					
MRB	9		19 25 27.1	0	19 25 55.5			
OLT	9		19 25 29.0	0	19 25 59.0			

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

17 jun 08h 27m 08.1s 42°57'N 00°12'E
rms ±0.9s mb 3.0 GRIPP.FR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EPF	0		08 27 10.1	0	08 27 12.1			
VIH	0		08 27 17.5	0	08 27 25.2			
MLS	0		08 27 18.5					
GRBF	0		08 27 25.8					
AVN	0		08 27 28.7					
LPO	9		08 27 41.1	0	08 28 05.3			
OLT	9		08 27 43.0	0	08 28 08.5			
ECRI	E 0		08 27 43.6	E 0	08 28 08.5			
LFF	9		08 27 44.3	0	08 28 09.3			
FONT	9		08 27 46.0	0	08 28 13.3			
EROQ	E 9		08 27 49.0	E 0	08 28 15.5			
CAF	4		08 27 49.4	4	08 28 21.0			
ETOR	E 0		08 27 51.2	E 0	08 28 24.0			
RJF	9		08 27 53.6	0	08 28 26.0			

19 jun 06h 41m 03.3s 37°56'N 00°30'W
rms ±1.0s mb 3.0 II-III E. TORREVIEJA

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ACU	I 0		06 41 14.6	E 0	06 41 21.0	0.06	0.3	40
VIV	E 0		06 41 26.0	E 0	06 41 45.0			
ENIJ	E 0		06 41 30.0	E 0	06 41 52.0			40
EVIA	E 0		06 41 32.2	E 0	06 41 52.7	0.03	0.3	45
ECHE	E 0		06 41 33.5	E 0	06 41 53.8			
APHE	E 0		06 41 47.0					
ASMO	E 4		06 41 51.0	E 0	06 42 16.5			
ALAJ	E 4		06 41 53.0					
PAB	E 4		06 42 04.0	E 4	06 42 47.0			75
GUD	E 9		06 42 16.0	E 0	06 43 01.2			40

19 jun 21h 48m 11.8s 42°48'N 01°39'W 3Km
rms ±0.6s mb 3.4 IV PAMPLONA.NA

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
BOH	D 0		21 48 21.7	E 0	21 48 29.7			
ISSF	D 0		21 48 23.7	E 0	21 48 34.1			
ECRI	I C 0		21 48 23.7	E 0	21 48 32.6			200
MADF	D 0		21 48 24.4	E 0	21 48 35.3			
EPF	0		21 48 38.5					
AVN	C 0		21 48 45.2					193
ETOR	I C 0		21 48 45.4	E 0	21 49 11.5	0.15	0.3	180
EROQ	I C 0		21 48 51.8	E 0	21 49 22.0	0.14	0.3	175
EBR	E 0		21 48 52.0	E 4	21 49 31.0			
LFF	0		21 48 55.7	0	21 49 28.0			
LPO	0		21 48 55.9	0	21 49 28.9			
MRB	0		21 48 57.0					
GUD	I D 0		21 48 57.0	E 0	21 49 31.9	0.03	0.4	170
OLT	0		21 49 01.5					160
ECHE	E 0		21 49 03.3	E 0	21 49 40.6	0.04	0.4	130
CAF	0		21 49 03.8	4	21 49 42.4			
TOL	E 0		21 49 04.5	E 4	21 49 40.0			165
ETER	E 0		21 49 05.1	E 0	21 49 44.0	0.02	0.3	110
PAB	E 0		21 49 09.5					240
ERUA	E 0		21 49 13.6					
EVIA	E 0		21 49 15.6	E 0	21 50 03.9	0.06	0.5	155
EMON	E 0		21 49 16.4	E 0	21 50 05.0	0.02	0.3	140
MVO	E 0		21 49 17.0	E 4	21 50 11.0			
ESEL	E 0		21 49 20.2	E 0	21 50 11.8			120
EBAN	E 0		21 49 25.0			0.02	0.5	130
STS	0		21 49 28.6					
EZAM	0		21 49 30.1					
MTE	E 4		21 49 33.0	E 4	21 50 49.5			

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

20 jun 07h 31m 29.7s 35°15'N 03°53'W 10Km
rms ± 1.0s mb 3.0 AL HOCEIMA.MAC

EMEL	I D	0	07 31 42.8	I	0	07 31 54.6			
ATEJ	E	0	07 31 56.8	E	0	07 32 16.7			
APHE	E	0	07 31 57.6	E	0	07 32 18.4			
EJIF	E	0	07 31 58.0	E	0	07 32 21.2			
ALOJ	E	0	07 32 01.1	E	0	07 32 23.1			
ECOG	E	0	07 32 03.3				0.01	0.4	
AFC	E	0	07 32 03.9	E	0	07 32 29.1			
ENIJ	E	0	07 32 04.6	E	0	07 32 30.0	0.02	0.4	
ASMO	E	4	07 32 06.3	E	0	07 32 31.3			
IFR	I	0	07 32 02.5	I	0	07 32 26.5			
AVE	I	4	07 32 34.0	I	4	07 33 09.0			
TIO	E	0	07 32 47.5	E	4	07 33 34.0			

20 jun 08h 05m 24.6s 35°12'N 03°43'W 18Km
rms ± 1.0s mb 3.3 SE. AL HOCEIMA.MAC

EMEL	I C	0	08 05 36.6	E	0	08 05 46.0			84
MAL	E	0	08 05 50.0	I	4	08 05 58.0			
ATEJ	E	4	08 05 50.2	E	0	08 06 12.0			
APHE	I C	0	08 05 51.3	E	0	08 06 12.3			
EJIF	E	0	08 05 53.6	E	0	08 06 18.0	0.05	0.5	123
ACHM	E	0	08 05 53.9	E	0	08 06 17.9			
ALOJ	E	0	08 05 54.4	E	0	08 06 17.1			
IFR	I	0	08 05 56.5	I	0	08 06 20.5			
ECOG	E	0	08 05 57.6	E	0	08 06 23.0	0.03	0.4	90
ENIJ	E	0	08 05 58.0	E	0	08 06 23.0	0.03	0.4	75
AFC	E	0	08 05 58.0	E	0	08 06 23.5	0.02	0.4	60
AAPN	E	0	08 05 58.3	E	0	08 06 23.0			
ASMO	E	0	08 05 58.7	E	0	08 06 25.7			
ALJ		0	08 05 59.0						
PLAT		4	08 05 59.0						
EPRU	E	0	08 05 59.0	E	0	08 06 25.0			90
EHOR	E	0	08 06 08.5	E	0	08 06 43.8			65
EBAN	E	0	08 06 11.0	E	0	08 06 45.0			70
EVIA				E	0	08 06 58.0			90
AVE	E	4	08 06 26.0	E	0	08 07 00.0			
PAB	E	0	08 06 29.0	E	4	08 07 37.0			120
TIO	I	0	08 06 41.0	I	0	08 07 38.5			
GUD	E	0	08 06 44.0	E	0	08 07 44.0			
ETOR	E	0	08 06 49.3						

21 jun 06h 47m 04.8s 36°31'N 09°48'W
rms ± 0.9s mb 3.0 SW. CABO S.VICENTE

EEVAL				E	0	06 48 16.5			
AVE	I	0	06 48 01.5	I	0	06 48 43.5			
EPLA				E	0	06 49 02.2			
IFR	I	0	06 48 15.5	I	0	06 49 07.5			
EBAN				E	0	06 49 14.0	0.01	0.3	
TIO	I	0	06 48 31.0	I	0	06 49 35.0			
GUD	E	0	06 48 32.2	E	0	06 49 36.0			

23 jun 06h 02m 38.7s 37°54'N 04°05'W 9Km
rms ± 0.6s mb 2.9 ARJONA.J

EBAN	I C	0	06 02 45.9	E	0	06 02 51.0			85
AAPN	E	0	06 02 49.2	E	0	06 02 57.7			
ASMO	E	0	06 02 49.5	E	0	06 02 57.4			
ECOG	E	0	06 02 52.2	E	0	06 03 02.1	0.03	0.3	70
ALOJ	I C	0	06 02 52.8	E	0	06 03 03.6			
AFC	E	0	06 02 53.4	E	0	06 03 04.3	0.03	0.3	55
ACHM	E	0	06 02 53.7	E	0	06 03 04.5			

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

EHOR	E	0	06 02 55.2	E	0	06 03 07.3	0.07	0.3	45
ATEJ	E	0	06 02 56.3	E	0	06 03 09.2			
APHE	E	0	06 02 56.4	E	0	06 03 09.5			
EPRU	E	0	06 03 02.5	E	0	06 03 19.5			
EVIA	I D	0	06 03 03.4	E	0	06 03 21.1	0.10	0.3	95
ENIJ	E	0	06 03 09.0	E	0	06 03 30.7			65
GUD	E	9	06 03 31.4	E	0	06 04 02.6			80
ETOR	E	9	06 3 41.9	E	0	06 04 18.9			

23 jun 14h 49m 30.1s 42°14'N 07°28'W
rms ± 0.5s mb 2.9 MONTADERRAMO.OR

ERUA	I C	0	14 49 35.2	E	0	14 49 39.2	0.07	0.2	35
EZAM	E	0	14 49 47.5	E	0	14 49 58.3	0.03	0.3	32
STS	I C	0	14 49 49.0	E	0	14 50 02.5	0.01	0.3	30
EMON	E	0	14 49 52.5	E	0	14 50 07.6	0.05	0.3	50

25 jun 01h 19m 59.5s 42°07'N 06°48'W 4Km
rms ± 0.7s mb 2.6 SIERRA SEGUNDERA.ZA

ERUA	I C	0	01 20 06.6	E	0	01 20 11.2	0.03	0.3	25
MVO	E	0	01 20 17.4	I	0	01 20 29.8			
EMON	E	0	01 20 25.0	E	0	01 20 41.6	0.02	0.3	42
EZAM	E	0	01 20 26.2	E	0	01 20 43.7	0.01	0.4	
STS				E	0	01 20 46.8			
GUD	E	9	01 20 44.5	E	0	01 21 15.4			55

25 jun 06h 34m 52.1s 43°05'N 00°10'E 3Km
rms ± 0.7s mb 3.2 BAGNERES DE BIGORRE.FR

EPF		0	06 34 55.1		0	06 34 57.7			
JAU	C	0	06 34 59.1	E	0	06 35 05.0			
OGE		0	06 35 01.0						
ESCF		0	06 35 01.9	E	0	06 35 09.5			
LHE	C	0	06 35 02.8						
VIH		0	06 35 03.2		0	06 35 11.4			105
AVN	C	0	06 35 15.3		0	06 35 32.3			
LPO		0	06 35 21.4						
MRB		0	06 35 26.8						
OLT		0	06 35 26.7						
LFF		9	06 35 28.1		0	06 35 52.6			
FONT		0	06 35 28.4						
ECRI	E	9	06 35 29.6	E	0	06 35 56.0			
CAF		0	06 35 29.5						
RJF		0	06 35 31.6						
EBR	E	4	06 35 32.0	E	4	06 36 02.0			
LSF		0	06 35 42.4						
EROQ	E	9	06 35 33.3	E	0	06 36 02.0	0.04	0.3	100
ETOR	E	0	06 35 37.3				0.03	0.4	100
GUD	E	0	06 35 54.0	E	0	06 36 39.8			95
ECHE	E	9	06 36 03.0	E	0	06 36 44.5			85

27 jun 04h 08m 00.9s 41°54'N 02°06'E 4Km
rms ± 0.7s mb 2.9 W. VIC.B

FONT	C	0	04 08 06.3		0	04 08 10.7			
SQD		0	04 08 06.7		0	04 08 11.5			
OLT	D	0	04 08 07.5		0	04 08 12.5			
MRB		0	04 08 07.7						
ETER	E	0	04 08 13.5	E	0	04 08 22.0	0.04	0.3	35
AVN		0	04 08 19.2		0	04 08 32.3			
VIH		4	04 08 19.2		4	04 08 38.2			

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

EPF 0 04 08 32.3
 EROQ E 9 04 08 31.5 E 0 04 08 53.0 0.03 0.3 44
 EBR E 4 04 08 52.0
 LPO 9 04 08 53.0 0 04 09 28.4
 CAF 9 04 08 56.4 0 04 09 33.6

27 jun 04h 16m 28.1s 41°55'N 02°05'E 3Km
 rms ±0.4s mb 2.6 W. VIC.B

FONT C 0 04 16 33.6 0 04 16 38.0
 SQD 0 04 16 34.0
 MRB 0 04 16 34.7
 OLT 0 04 16 34.9 0 04 16 40.2 33
 VDCF 0 04 16 41.0
 AVN 0 04 16 46.2 0 04 17 00.2 45
 GRBF 0 04 16 46.6
 MTHF 0 04 16 47.3
 SALF 0 04 16 47.6
 ETER E 0 04 16 50.0 E 0 04 16 50.0 0.03 0.3 8
 VIH 0 04 16 50.5 0 04 17 05.7 32
 LÉSF 0 04 16 51.3 0 04 17 08.2
 MLS 0 04 16 51.6 0 04 17 08.3
 EPF 0 04 16 59.0
 LPO 9 04 17 20.2 0 04 17 55.0

27 jun 09h 06m 09.8s 36°38'N 06°13'W 5Km
 rms ±0.6s mb 2.9 II-III PTO. SANTA MARIA.CA

CNIL E 0 09 06 14.5 E 4 09 06 15.4
 GIBL E 0 09 06 15.2 E 4 09 06 23.3
 ALJ E 0 09 06 19.2 E 4 09 06 22.1
 EJIF E 0 09 06 21.2 E 0 09 06 31.6 0.07 0.5 80
 PLAT E 4 09 06 24.1 E 4 09 06 28.5
 EPRU E 0 09 06 25.2 E 0 09 06 37.0 0.05 0.6 82
 OJEN E 4 09 06 26.0 E 4 09 06 29.2
 EVAL E 0 09 06 28.9 E 0 09 06 44.4 0.05 0.4 57
 EHOR E 0 09 06 34.5 E 0 09 06 53.0 0.07 0.5 65
 ALOJ I 0 09 06 40.2 E 0 09 07 01.8
 AAPN E 4 09 06 42.5 E 4 09 07 12.0
 APHE E 0 09 06 43.0
 ASMO E 4 09 06 50.0 E 4 09 07 15.0
 PAB E 4 09 07 13.0 E 4 09 07 55.5 100

28 jun 01h 00m 40.2s 37°07'N 04°04'W
 rms ±0.4s mb 2.4 LOJA.GR

ALOJ I 0 01 00 42.1
 AAPN I 0 01 00 43.4
 ACHM I 0 01 00 43.7
 ASMO I 0 01 00 46.2
 APHE I 0 01 00 46.3
 ATEJ I 4 01 00 47.7
 AFC E 0 01 00 48.0 E 0 01 00 54.8 0.01 0.3 23
 ECOG E 0 01 00 48.3 E 0 01 00 54.8 0.02 0.3 34
 MAL E 4 01 00 58.0 E 4 01 00 58.0
 CRT E 4 01 00 54.0
 EBAN E 0 01 01 00.3 E 0 01 01 14.8 0.01 0.2 38

28 jun 02h 38m 43.4s 42°34'N 00°14'E 3Km
 rms ±0.9s mb 3.2 SALINAS.HU

VIH 0 02 38 49.3 0 02 38 55.7
 EPF 0 02 38 51.2 0 02 38 58.1
 ESCF 0 02 38 56.4 0 02 39 08.6

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

AVN 0 02 38 56.7 0 02 39 09.0
 ATE 0 02 38 57.8 0 02 39 10.1
 EBR E 0 02 39 14.0 E 4 02 39 40.0
 MRB 4 02 39 14.0 4 02 39 36.0
 SQD 0 02 39 14.3 4 02 39 55.7
 EROQ I C 0 02 39 14.2 E 0 02 39 37.9 0.07 0.5
 ETER E 0 02 39 17.1 E 0 02 39 41.0 0.05 0.5
 ECR I E 0 02 39 18.2 0.03 0.5
 LPO 0 02 39 22.0 4 02 39 52.0
 LFF 0 02 39 23.0 4 02 39 55.6
 ETOR E 0 02 39 23.3 E 0 02 39 53.7
 CAF 0 02 39 28.4 4 02 40 03.0
 RJF 0 02 39 30.4 4 02 40 07.0
 ESEL E 0 02 39 36.3
 ECHE E 9 02 39 42.0 E 0 02 40 18.8

28 jun 23h 38m 26.2s 39°16'N 00°42'W
 rms ±0.7s mb 2.7 E. MILLARES.V

VIV E 0 23 38 31.6 E 0 23 38 36.8
 ECHE E 0 23 38 31.7 E 0 23 38 38.6 0.03 0.3 35
 ACU E 0 23 38 41.0 E 0 23 38 51.2 22
 EVIA E 0 23 38 54.3 E 0 23 39 12.2 0.02 0.3 50
 ETOR E 0 23 38 58.4 E 0 23 39 22.0 44

29 jun 11h 28m 17.7s 36°40'N 02°21'W
 rms ±0.7s mb 3.1 SW. CABO DE GATA

ENIJ I C 0 11 28 23.5 E 0 11 28 27.5 0.19 0.2 65
 APHE E 0 11 28 37.7
 ASMO E 0 11 28 39.7
 ACHM E 0 11 28 40.3
 ATEJ E 0 11 28 42.2
 ALOJ E 0 11 28 44.4
 AAPN E 0 11 28 46.3
 EBAN E 0 11 28 50.0 E 0 11 29 14.0 0.02 0.6 55
 EVIA E 9 11 28 54.5 E 0 11 29 20.0 45

30 jun 02h 52m 11.9s 36°59'N 03°57'W 27Km
 rms ±0.6s mb 2.6 ARENAS DEL REY.GR

ATEJ I 0 02 52 17.0
 ALOJ E 0 02 52 17.2
 ACHM I 0 02 52 17.2
 APHE I 0 02 52 18.0
 AAPN E 0 02 52 18.8
 ASMO I 0 02 52 19.6
 AFC I C 0 02 52 20.0 E 0 02 52 27.7 0.02 0.3 30
 ECOG I C 0 02 52 20.0 E 0 02 52 27.6 0.03 0.3 30
 EPRU E 0 02 52 42.0
 EBAN E 0 02 52 29.5 E 0 02 52 46.3 0.03 0.2 50
 EHOR E 0 02 52 33.6 E 0 02 52 51.0
 ENIJ E 0 02 52 51.6

01 jul 23h 24m 05.5s 37°06'N 03°48'W 2Km
 rms ±0.7s mb 2.8 VENTAS HUELMA.GR

ACHM I D 0 23 24 06.9
 APHE I C 0 23 24 08.7 I 0 23 24 11.8
 ALOJ I C 0 23 24 09.4 I 0 23 24 12.7
 CRT E C 0 23 24 09.6 E 0 23 24 12.7
 AFC I D 0 23 24 09.6 E 0 23 24 13.0 85
 ECOG I D 0 23 24 09.6 E 0 23 24 12.2 92
 ATEJ I C 0 23 24 09.7 I 0 23 24 13.3

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ASMO	I	D	0 23 24 10.2	E 0	23 24 14.2			
AAPN	E	0	23 24 11.4	E 0	23 24 15.9			
MAL	I	C	0 23 24 15.8	I 4	23 24 23.0	0.24	0.6	55
EPRU	E	0	23 24 28.3	E 0	23 24 43.2	0.02	0.5	75
ENIJ	I	C	0 23 24 28.9	E 0	23 24 46.0	0.02	0.3	75
EHOR	E	0	23 24 30.7	E 0	23 24 49.0	0.02	0.3	65
EJIF				E 0	23 24 53.0			78
EVIA	E	0	23 24 36.5	E 0	23 25 00.0	0.02	0.9	70
PAB	E	9	23 24 56.0	E 0	23 25 26.0			110
TOL	E	4	23 24 56.0	I 4	23 25 35.0	0.01	0.8	70
EPLA	E	0	23 25 00.2					80
ETOR	E	0	23 25 05.5			0.01	0.4	100

03 jul 03h 32m 26.9s 34°56'N 04°28'W
rms ± 1.0s mb 2.9 TARGUIST.MAC

EMEL	E	0	03 32 47.8					
IFR	I	0	03 32 52.0	I 0	03 33 10.5			
EJIF	E	0	03 32 54.2	E 0	03 33 13.5			
ECOG	E	0	03 33 04.6	E 0	03 33 32.5			
ENIJ	E	0	03 33 08.2	E 0	03 33 37.0			
AVE	E	0	03 33 09.0	I 4	03 33 39.0			
TIO	I	0	03 33 34.0	I 0	03 34 24.0			

03 jul 10h 22m 14.1s 36°51'N 03°01'W 10Km
rms ± 0.5s mb 2.3 BERJA.AL

APHE	I	0	10 22 23.6	E 0	10 22 31.7			
AFC	E	0	10 22 24.5	E 0	10 22 33.0	0.01	0.3	20
ECOG	E	0	10 22 25.0	E 0	10 22 33.0	0.01	0.3	30
ENIJ	E	0	10 22 26.0	E 0	10 22 35.5	0.02	0.3	25
ASMO	E	0	10 22 28.3					
ATEJ	E	0	10 22 28.5	I 0	10 22 39.0			
ALOJ	E	0	10 22 31.5					
AAPN	E	0	10 22 33.2					

06 jul 00h 29m 05.2s 36°37'N 06°12'W
rms ± 0.7s mb 2.5 PUERTO STA.MARIA.CA

GIBL	I	0	00 29 10.0					
CNIL	I	0	00 29 10.5					
ALJ	I	0	00 29 13.0					
EJIF	E	0	00 29 16.2	E 0	00 29 25.5	0.02	0.5	55
PLAT	I	4	00 29 19.0					
EPRU	E	0	00 29 20.0	E 0	00 29 33.0	0.02	0.6	45
OJEN	I	4	00 29 22.5					
EVAL	E	0	00 29 23.7	E 0	00 29 40.0			35
EHOR				E 0	00 29 48.0			

07 jul 23h 30m 17.7s 40°42'N 03°34'W 2Km
rms ± 0.8s mb 3.3 III-IV S.AGUSTIN GUADALIX.M

GUD	I	C	0 23 30 25.8	I 0	23 30 31.7			210
TOL	I	C	0 23 30 34.5	I 0	23 30 47.5	0.24	0.7	120
ETOR	E	0	23 30 39.4	E 0	23 30 55.3	0.15	0.3	190
PAB	I	0	23 30 41.5	I 0	23 30 58.7			200
ECRI	E	0	23 30 52.7	E 0	23 31 17.7	0.11	0.3	120
EVIA	E	0	23 30 53.1	E 0	23 31 20.8	0.34	0.3	140
ECHE	E	0	23 30 56.3	E 0	23 31 23.6	0.03	0.3	110
EBAN	E	0	23 30 58.3			0.07	0.3	150
EROQ	E	0	23 31 05.4	E 0	23 31 42.6	0.03	0.3	110
VIV	E	9	23 31 06.0	E 0	23 31 35.5			
AVN	0	23	31 11.0					
VIH	0	23	31 15.7					

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EHOR	E	9	23 31 15.9	E 0	23 31 53.0	0.03	0.4	100
ERUA	E	9	23 31 16.5	E 0	23 31 54.5	0.03	0.4	110
EALH	E	9	23 31 19.1	E 0	23 31 57.1			80
EPRU	E	0	23 31 19.3					
ECOG	E	9	23 31 21.4	E 0	23 32 02.4	0.02	0.4	100
AFC	E	9	23 31 21.7	E 0	23 32 02.6	0.02	0.4	90
MRB	4	23	31 24.7					
ENIJ	E	9	23 31 30.3	E 0	23 32 14.3			100
EMON	E	9	23 31 31.9	E 0	23 32 17.8	0.04	0.3	80
EZAM	E	9	23 31 34.6	E 0	23 32 23.0	0.02	0.4	
RJF	0	23	31 44.0	4	23 32 48.4			
CAF	0	23	31 44.4	4	23 32 47.6			
MFF	0	23	31 51.0	4	23 32 59.0			
LSF	4	23	31 54.0	4	23 33 05.0			

09 jul 20h 42m 21.4s 42°21'N 02°12'E
rms ± 0.8s mb 2.4 RIBES DE FRESER.GE

SQD	0	20	42 29.0	0	20 42 35.0			
ETER	E	0	20 42 30.2	E 0	20 42 37.6			
FONT	0	20	42 32.0	0	20 42 40.0			
MRB	0	20	42 37.2	0	20 42 48.0			
FBR	0	20	42 39.6	0	20 42 51.8			
AVN	0	20	42 41.6					
EPF	9	20	42 48.5	0	20 43 08.6			
EROQ	E	0	20 42 57.0					
LPO	4	20	43 06.6	4	20 43 38.4			
CAF	4	20	43 08.1	4	20 43 42.4			

10 jul 08h 23m 22.7s 39°05'N 09°18'W 28Km
rms ± 0.6s mb 3.0 III-IV MONTEJUNTO.PORT

MTH	I	D	0 08 23 28.0	I 0	08 23 32.5			
LIS	E	0	08 23 30.5	I 0	08 23 38.2			
MOE	I	D	0 08 23 38.7	I 0	08 23 50.5			
COI	E	0	08 23 44.0	E 0	08 24 00.0			
MTE	0	08	23 52.6	0	08 24 15.2			
EPLA	E	9	08 24 09.6	E 0	08 24 40.2	0.04	0.4	60
PAB	E	0	08 24 18.5	E 0	08 25 02.0			125
EHOR				E 0	08 24 51.7	0.03	0.5	92
GUD				E 0	08 25 11.6	0.03	0.5	92
EBAN				E 0	08 25 14.2	0.01	0.5	
TOL	E	4	08 24 40.0	E 4	08 25 23.0			

10 jul 08h 59m 12.3s 39°11'N 09°14'W 9Km
rms ± 0.6s mb 3.0 III-IV MONTEJUNTO.PORT

MTH	I	D	0 08 59 17.5	I 0	08 59 22.5			
LIS	E	0	08 59 21.1	I 0	08 59 27.7			
MOE	I	D	0 08 59 28.5	I 0	08 59 42.0			
COI	E	0	08 59 33.6	E 0	08 59 49.7			
MTE	0	08	59 42.4	0	09 00 05.2			
EPLA				E 0	09 00 23.6	0.04	0.5	75
EVAL				E 0	09 00 23.6			50
EHOR				E 0	08 60 42.5	0.03	0.5	85
ERUA				E 0	08 60 47.2			
GUD				E 0	09 01 02.4	0.02	0.5	100

11 jul 00h 42m 27.4s 37°22'N 01°54'W
rms ± 0.9s mb 2.9 HUERCAL-OVERA.AL

ENIJ	I	D	0 00 42 35.2	E 0	00 42 42.0	0.06	0.3	50
EALH	E	0	00 42 39.5	E 0	00 42 48.0			
EVIA	E	0	00 42 50.0	E 0	00 43 07.5	0.04	0.3	45

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ECOG	E	0	00 42 50.6	E 0	00 43 09.5	0.02	0.3	40
AFC	E	0	00 42 50.6	E 0	00 43 09.5			35
APHE	I D	0	00 42 52.5	E 4	00 43 15.1			
ASMO	I C	0	00 42 53.2	I 4	00 43 14.0			
ACHM	E	0	00 42 54.2					
EBAN	E	0	00 42 55.0	E 0	00 43 16.5	0.01	0.3	45
AAPN	I D	0	00 42 57.5	I 4	00 43 21.8			
ATEJ	I D	0	00 42 57.8	I 4	00 43 23.2			
ALOJ	I C	0	00 42 58.6	I 4	00 43 23.2			

12 jul 09h 29m 45.8s 43°05'N 00°10'W 3Km
rms ± 0.5s mb 2.7 ARTHEZ D'ASSON.FR

EPF	0	09 29 52.0	0	09 29 58.0				
VIH	0	09 30 00.2	4	09 31 01.4				
SALF	0	09 30 04.9	0	09 30 19.6				
AVN	0	09 30 11.0	0	09 30 29.2				
ECRI	E	0	09 30 16.0	E 0	09 30 40.1			
LPO	9	09 30 18.7	0	09 30 42.2				
JFF	9	09 30 22.2	0	09 30 47.8				

14 jul 09h 24m 49.0s 41°46'N 02°50'E 2Km
rms ± 0.7s mb 2.7 VIDRIERES.GE

FONT	C	0	09 24 54.0	0	09 24 57.8			
OLT	0	09 24 57.3	0	09 25 03.5				
ETER	I D	0	09 24 59.0	E 0	09 25 07.0	0.01	0.2	32
FBR				0	09 25 07.8			
PERF	0	09 25 02.2						
MRB	0	09 25 04.2	0	09 25 14.3				
VDCF	0	09 25 05.1	0	09 25 16.7				
MTHF	0	09 25 09.9	0	09 25 27.1				
AVN	0	09 25 16.5	0	09 25 36.9				
SALF	0	09 25 17.1	0	09 25 38.0				
VIH	0	09 25 19.9	0	09 25 42.6				
EBR			E 4	09 25 51.0				
EROQ	E	9	09 25 26.6	E 0	09 25 52.4	0.02	0.3	48

15 jul 16h 59m 51.4s 36°25'N 02°25'W 3Km
rms ± 0.8s mb 2.8 ALBORAN

ENIJ	I C	0	17 00 02.2	E 0	17 00 08.6	0.07	0.3	55
APHE	I C	0	17 00 12.3	I 0	17 00 28.1			
ECOG	E	0	17 00 13.5			0.01	0.3	31
AFC	E	0	17 00 13.7					36
ATEJ	I C	0	17 00 15.5	E 0	17 00 34.0			
ACHM	I C	0	17 00 15.9	E 0	17 00 33.1			
ASMO	I C	0	17 00 16.9	E 0	17 00 36.3			
ALOJ	E	0	17 00 18.9					
AAPN				E 0	17 00 41.8			
EBAN	E	0	17 00 27.6	E 0	17 00 52.8			35

18 jul 19h 15m 50.1s 36°45'N 06°12'W 2Km
rms ± 0.8s mb 3.5 III JEREZ.CA

GIBL	I	0	19 15 53.5					
CNIL	I	4	19 15 54.5					
MOMI	I	4	19 15 57.0					
EJIF	I C	0	19 16 00.6	E 0	19 16 11.3	0.43	0.4	190
PLAT	I	0	19 16 03.0					
EPRU	I C	0	19 16 04.6	E 0	19 16 16.0	0.44	0.6	195
OJEN	I	0	19 16 05.5					
Eval	E	0	19 16 08.0	E 0	19 16 19.9	0.25	0.5	175
FIG	E	0	19 16 13.0	I 0	19 16 34.5			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EHOR	E	0	19 16 13.4	E 0	19 16 32.6	0.41	0.4	195
FAR				0	19 16 35.0			
MAL	I D	0	19 16 17.3	I 4	19 16 39.0	0.21	0.6	100
ALOJ	E	0	19 16 19.7	E 0	19 16 42.0			
ATEJ	E	0	19 16 20.2	E 0	19 16 43.1			
AAPN	E	0	19 16 20.2	E 0	19 16 43.5			
ACHM	E	0	19 16 23.1	E 0	19 16 48.1			
APHE	E	0	19 16 24.5	E 0	19 16 50.8			
ASMO	E	0	19 16 25.2	E 4	19 16 52.9			
ECOG	E	0	19 16 25.9			0.02	0.3	110
AFC	E	0	19 16 25.9			0.04	0.5	140
EBAN	E	0	19 16 28.2			0.08	0.5	190
MOE	E	4	19 16 35.2	I 4	19 17 09.0			
EPLA	E	0	19 16 40.9	E 0	19 17 21.1	0.15	0.7	180
EVIA	E	0	19 16 42.5			0.15	0.7	190
PAB	E	4	19 16 42.0	I 0	19 17 16.0			290
TOL	E	0	19 16 45.5	I 4	19 17 32.0	0.32	1.1	260
MTH	E	4	19 16 48.0	I 4	19 17 35.0			
MTE	E	4	19 16 54.0	E 0	19 17 33.2			
LIS	E	4	19 16 50.0	E 4	19 17 29.0			
GUD	E	0	19 16 53.3	E 0	19 17 41.1	0.08	0.6	220
MVO	E	4	19 17 01.0	E 4	19 17 45.0			
COI	E	4	19 17 02.7	I 4	19 17 57.0			
PTO	E	0	19 17 04.0	E 4	19 18 08.3			
ETOR	E	0	19 17 06.7			0.05	0.6	210

19 jul 00h 16m 08.0s 37°06'N 04°09'W 23Km
rms ± 0.5s mb 2.4 LOJA.GR

MAL				I 0	00 16 22.8			
AFC	E	0	00 16 16.7	E 0	00 16 25.4			27
ECOG	E	0	00 16 17.0	E 0	00 16 25.5	0.01	0.3	25
EPRU	E	0	00 16 24.4					
EHOR	E	0	00 16 26.8	E 0	00 16 41.4	0.01	0.3	
EBAN	E	0	00 16 27.0	E 0	00 16 40.4			32

19 jul 05h 10m 39.4s 36°42'N 06°13'W 3Km
rms ± 1.1s mb 2.9 II-III JEREZ.CA

SFS	I	0	05 10 42.2					
GIBL	I	0	05 10 43.0					
OJEN	I	4	05 10 43.5					
EJIF	E	0	05 10 49.4	E 0	05 11 01.0	0.04	0.5	100
PLAT	I	4	05 10 49.5					
EPRU	E	0	05 10 53.6	E 0	05 11 06.0	0.06	0.6	80
Eval	E	0	05 10 56.9	E 0	05 11 11.2	0.04	0.4	45
EHOR	I C	0	05 11 02.4	E 0	05 11 21.5	0.07	0.5	70
FIG				0	05 11 23.5			
MAL				E 4	05 11 32.0			
ALOJ	E	0	05 11 10.4	E 0	05 11 33.0			
ATEJ	E	0	05 11 11.0	E 0	05 11 34.2			
AAPN	E	0	05 11 11.2	E 0	05 11 34.5			
APHE	E	4	05 11 15.7					
ASMO	E	4	05 11 20.0	E 4	05 11 47.2			
MOE	E	0	05 11 20.0	I 4	05 12 52.5			
MTE	E	4	05 11 48.0	4	05 12 25.0			
PAB	E	4	05 11 41.5	E 4	05 12 16.0			110
MVO				4	05 13 01.5			

20 jul 17h 23m 47.5s 43°08'N 00°33'W 11Km
rms ± 0.3s mb 2.0 SARRANCE.FR

ESCF	I D	0	17 23 49.5	E 0	17 23 51.4			
OGE	I C	0	17 23 50.1					
ATE	I D	0	17 23 50.2	E 0	17 23 52.4			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
JAU	I	C	0 17 23 50.8	E 0	17 23 54.2			
MADF			0 17 23 51.3	E 0	17 23 54.6			
ECRI	E	9	17 24 16.2	E 0	17 24 36.7	0.01	0.3	

22 jul 03h 24m 36.6s 43°08'N 00°22'W 2Km
rms ±0.7s mb 3.5 IV BIELLE.FR

JAU	C	0	03 24 38.0					
OGE	D	0	03 24 38.7					
ESCF	C	0	03 24 39.1	E 0	03 24 41.3			113
ATE	C	0	03 24 40.6	E 0	03 24 44.2			113
LHE	C	0	03 24 41.1	E 0	03 24 44.7			
EPF		0	03 24 46.2	0	03 24 54.1			
VIH		0	03 24 53.8	0	03 25 06.5			160
MLS		0	03 24 56.3	0	03 25 12.5			
SALF		0	03 24 57.9	0	03 25 14.9			
LESF		0	03 24 58.9					
AVN		0	03 25 03.4	0	03 25 23.4			180
ECRI	I	D	0 03 25 06.8	E 0	03 25 27.8	0.12	0.3	130
LPO		0	03 25 08.8					
LFF		0	03 25 09.8					
CAF		0	03 25 15.2					
OLT		9	03 25 17.1	0	03 25 46.8			142
RJF		0	03 25 17.2					
EROQ	E	0	03 25 17.3	E 0	03 25 44.9	0.09	0.3	130
MRB		9	03 25 18.4	0	03 25 45.1			130
EBR	E	4	03 25 19.0	E 4	03 25 50.0			
ETOR	I	D	0 03 25 19.2	E 0	03 25 51.0	0.03	0.3	160
ETER	E	9	03 25 23.9	E 0	03 25 54.6	0.04	0.3	96
LSF		4	03 25 27.0	4	03 26 07.0			
MFF		0	03 25 30.7					
GUD	I	D	0 03 25 34.8	E 0	03 26 19.4			130
ESEL	E	0	03 25 41.0	E 0	03 26 27.9			100
PAB	E	0	03 25 47.0	I 4	03 27 01.5			160
EVIA	E	0	03 25 48.7			0.02	0.5	135
TOL	E	4	03 25 57.0	E 4	03 26 56.0			120

22 jul 03h 35m 08.1s 43°05'N 00°23'W 2Km
rms ±0.8s mb 3.0 III BIELLE.FR

JAU	C	0	03 35 09.0	E 0	03 35 10.4			113
OGE	D	0	03 35 09.7	E 0	03 35 11.5			113
ESCF	C	0	03 35 10.2	E 0	03 35 12.6			83
ATE	C	0	03 35 11.7	E 0	03 35 15.4			83
LHE	C	0	03 35 12.1	E 0	03 35 15.7			113
EPF		0	03 35 17.2	0	03 35 25.6			
VIH		0	03 35 24.8					
SALF		0	03 35 29.5	0	03 35 45.9			
LESF		0	03 35 30.6					
GRBF		0	03 35 33.8	4	03 35 58.7			
AVN		0	03 35 35.0	0	03 35 55.8			90
ECRI	E	0	03 35 38.0	E 0	03 35 59.3	0.04	0.3	60
LPO		9	03 35 43.6	0	03 36 10.1			
LFF		4	03 35 44.8	4	03 36 13.3			
CAF		4	03 35 46.1					
VDCF		4	03 35 46.2	4	03 36 16.8			
MTHF		4	03 35 46.7	4	03 36 14.9			
EROQ	E	9	03 35 52.8	E 0	03 36 20.6	0.02	0.4	70
ETOR	E	0	03 35 50.4	E 0	03 36 20.0			78
OLT				4	03 36 21.4			
EBR		9	03 35 55.0	E 0	03 36 23.0			
RJF		4	03 35 55.2	4	03 36 28.8			

22 jul 04h 26m 28.8s 43°06'N 00°23'W 2Km
rms ±0.7s mb 2.7 II-III BIELLE.FR

JAU	C	0	04 26 29.8	E 0	04 26 31.2			
OGE	D	0	04 26 30.6					
ESCF		0	04 26 31.0	E 0	04 26 33.4			47
ATE		0	04 26 32.7	E 0	04 26 36.2			47
ISSF		0	04 26 34.5	E 0	04 26 39.4			
EPF		0	04 26 37.7	0	04 26 46.0			
VIH		0	04 26 45.7					
SALF		0	04 26 50.4	0	04 27 06.0			
GRBF		0	04 26 55.2	0	04 27 15.2			
AVN		0	04 26 55.8	0	04 27 16.1			46
ECRI	E	9	04 27 00.2	E 0	04 27 22.2	0.01	0.3	30
LPO		9	04 27 04.4	0	04 27 30.8			
LFF		9	04 27 05.9	0	04 27 32.3			

23 jul 15h 11m 24.4s 43°05'N 00°20'W 9Km
rms ±0.1s mb 2.7 BIELLE.FR

OGE	D	0	15 11 27.3					49
ESCF	D	0	15 11 27.8	E 0	15 11 30.5			44
ATE		0	15 11 29.4	E 0	15 11 33.5			
LHE	C	0	15 11 29.6	E 0	15 11 33.5			
EPF		0	15 11 33.6	0	15 11 40.6			
SALF		0	15 11 45.6	0	15 12 01.2			
ECRI	E	9	15 11 56.7	E 0	15 12 17.4	0.01	0.3	38
LPO		4	15 12 00.6	4	15 12 26.9			
LFF		4	15 12 01.0	4	15 12 29.2			

24 jul 03h 57m 31.8s 34°48'N 04°04'W 9Km
rms ±1.0s mb 3.3 TAYNAST.MAC

EMEL	I	C	0 03 57 51.0	E 0	03 58 05.0			110
NKM	I	D	0 03 57 53.8	I 0	03 58 13.0			
TAF	I	D	0 03 57 57.2	I 4	03 58 17.0			
IFR	I	D	0 03 57 57.0	I 0	03 58 17.0			
MAL	E	0	03 58 02.8	I 4	03 58 23.2	0.13	0.8	117
ATEJ	I	C	4 03 58 03.5	I 0	03 58 30.2			
OJEN	I	4	03 58 04.5					
EJIF	E	0	03 58 05.0	E 0	03 58 28.6	0.12	0.8	140
APHE	I	D	0 03 58 05.1	I 0	03 58 34.0			
ALOJ	I	D	0 03 58 07.5	I 4	03 58 45.6			
ACHM	I	C	0 03 58 08.5	E 4	03 58 39.9			
PLAT	I	4	03 58 08.5					
EPRU	E	0	03 58 10.0	E 0	03 58 36.6	0.06	0.7	145
AFC	E	0	03 58 11.3			0.03	0.6	115
ECOG	E	0	03 58 11.4	E 0	03 58 40.0	0.01	0.3	80
ENIJ	E	0	03 58 12.3	E 0	03 58 45.0	0.02	0.4	110
ASMO	I	D	0 03 58 12.8	I 4	03 58 47.3			
AAPN	I	D	0 03 58 13.1	I 4	03 58 45.6			
GIBL	I	4	03 58 16.0					
AVE	I	D	0 03 58 19.5	I 0	03 58 59.0			
EHOR	E	0	03 58 20.5					80
EBAN	E	0	03 58 23.2			0.02	0.6	110
EVAL	E	0	03 58 25.0	E 0	03 59 06.6			110
TIO	I	D	0 03 58 41.5	I 0	03 59 36.0			
TOL	E	0	03 58 49.0	I 4	04 00 04.0			160
GUD	E	0	03 58 57.7	E 0	04 00 01.0			145
ETOR	E	0	03 59 03.0					

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

24 jul 20h 28m 55.4s 43°08'N 00°34'W 2Km
rms ±0.8s mb 3.4 IV SARRANCE.FR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ESCF	I D O		20 28 55.7					
ATE	I D O		20 28 56.9	0 20 28	58.6			
OGE	I C O		20 28 57.4	0 20 28	59.6			
JAU	I C O		20 28 57.9	0 20 29	00.1			
EPF			0 20 29 07.3	0 20 29	17.1			
VIH			0 20 29 14.5	0 20 29	29.9			155
MLS			0 20 29 17.5	0 20 29	34.8			
SALF			0 20 29 19.4	0 20 29	37.2			
LESF			0 20 29 20.5					
GRBF			0 20 29 23.2					
AVN			0 20 29 23.4	0 20 29	44.7			150
ECRI	I C O		0 20 29 23.9	E 0 20 29	41.8	0.17	0.2	160
LPO			0 20 29 28.8					
LFF			0 20 29 30.2					
EROQ	E		0 20 29 35.7	E 0 20 30	03.0	0.14	0.3	150
MRB			9 20 29 39.0	E 0 20 30	09.0			115
RJF			0 20 29 36.5					
CAF			0 20 29 36.8					
OLT			0 20 29 37.0	4 20 30	09.0			119
ETOR	I D O		0 20 29 37.0	E 0 20 30	08.6	0.04	0.3	150
EBR			4 20 29 39.0					
ETER	E		0 20 29 39.8	E 0 20 30	08.7	0.04	0.3	80
LSF			0 20 29 48.0	0 20 30	28.6			
MFF			0 20 29 49.0					
ECHE	E		0 20 29 49.9	E 0 20 30	31.6	0.02	0.4	90
GUD	E		0 20 29 52.2	E 0 20 30	33.7			145
ESEL	E		0 20 30 00.6					
EMON	E		0 20 30 11.2					
EPLA	E		0 20 30 12.7	E 0 20 31	09.6			
TOL	E	4	20 30 46.0	E 4 20 31	10.0			100

25 jul 20h 19m 03.9s 43°07'N 00°37'W 1Km
rms ±0.6s mb 2.7 SARRANCE.FR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ESCF	I D O		20 19 04.2	E 0 20 19	05.1			
ATE	I D O		20 19 04.5	E 0 20 19	06.0			
OGE	I C O		20 19 05.8	E 0 20 19	08.1			
ISSF			0 20 19 05.9	E 0 20 19	08.6			
EPF			0 20 19 16.7	0 20 19	26.4			
ECRI	E		0 20 19 31.2	E 0 20 19	51.0	0.02	0.3	
AVN			0 20 19 32.7	0 20 19	53.8			
LPO			9 20 19 40.4	4 20 20	08.6			
LFF			9 20 19 40.3	4 20 20	08.4			

26 jul 07h 19m 13.5s 42°23'N 08°33'W 9Km
rms ±0.6s mb 3.1 II-III REDONDELA.PO

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EZAM	I C O		07 19 18.9	E 0 07 19	22.0			85
STS	I C O		07 19 23.4	E 0 07 19	29.6	0.22	0.3	82
ERUA	E		0 07 19 31.6	E 0 07 19	46.8	0.04	0.3	56
EMON	I C O		07 19 36.3	E 0 07 19	57.0	0.16	0.3	95
MTE	E	4	07 19 53.0	I 4 07 20	21.0			
COI				I 4 07 20	19.6			
EPLA				E 0 07 20	34.0			
GUD	E		0 07 20 10.4	E 0 07 20	52.0			95

26 jul 16h 06m 32.2s 41°47'N 02°51'E 3Km
rms ±0.7s mb 2.5 VIDRIERES.GE

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
FONT			0 16 06 37.3	0 16 06	41.5			
SQD			0 16 06 37.6	0 16 06	42.0			
OLT			0 16 06 40.5	0 16 06	46.6			

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
ETER	E		0 16 06 42.0	E 0 16 06	48.8	0.02	0.2	
PERF			0 16 06 45.4					
MRB			0 16 06 47.1	0 16 06	58.2			
VDCF			0 16 06 48.5	0 16 07	02.2			
MTHF			0 16 06 53.3	0 16 07	09.9			
AVN			0 16 07 00.2	0 16 07	20.0			
VIH			0 16 07 03.0	0 16 07	27.0			

26 jul 16h 26m 00.5s 42°33'N 01°11'W 4Km
rms ±0.6s mb 3.0 II JAVIER.NA

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ECRI	E		0 16 26 18.3	E 0 16 26	32.0	0.08	0.3	80
EPF			0 16 26 22.1	0 16 26	38.8			
VIH			0 16 26 26.5					75
ETOR	E		0 16 26 31.8	E 0 16 26	55.0	0.01	0.3	86
SALF			0 16 26 31.8	4 16 26	55.9			
LESF			4 16 26 34.4	4 16 26	59.8			
GRBF			0 16 26 34.7					
EROQ	E		9 16 26 39.8	E 0 16 27	05.6	0.02	0.3	70
LPO			0 16 26 43.6					
LFF			0 16 26 43.8					
GUD	E		0 16 26 46.5	E 0 16 27	20.2			90
CAF			0 16 26 51.8	0 16 27	32.0			
RJF			0 16 26 52.0	0 16 27	33.4			

26 jul 16h 29m 35.5s 42°35'N 01°12'W 6Km
rms ±0.8s mb 3.6 IV-V JAVIER.NA

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
LHE	C O		16 29 44.4	E 0 16 29	53.5			
ISSF	C O		16 29 44.4	E 0 16 29	54.2			
BOH	D O		16 29 44.5	E 0 16 29	54.0			
ATE	C O		16 29 45.9	E 0 16 29	56.4			
ECRI	I C O		16 29 52.9	E 0 16 30	07.0			190
EPF			0 16 29 56.2	0 16 30	13.4			
VIH			0 16 30 01.0	0 16 30	19.4			200
AVN			0 16 30 02.4					185
ETOR	E		0 16 30 06.8	E 0 16 30	30.0	0.08	0.3	200
MLS			0 16 30 06.1					
SALF			0 16 30 06.4	4 16 30	31.3			
LESF			0 16 30 08.5	4 16 30	35.4			
EROQ	E		0 16 30 09.3	E 0 16 30	37.1	0.13	0.3	160
GRBF			0 16 30 10.1	4 16 30	39.4			
MRB			0 16 30 15.8					153
EBR	E	4	16 30 16.0	E 4 16 30	48.0			
LPO			0 16 30 18.0	0 16 30	51.4			
LFF			0 16 30 18.7	0 16 30	51.4			
VDCF			0 16 30 18.7					
OLT			0 16 30 19.1	4 16 30	54.5			155
MTHF			0 16 30 19.8					
GUD	E		0 16 30 21.7	E 0 16 30	55.5	0.03	0.3	200
ETER	E		0 16 30 22.9	E 0 16 30	58.1	0.06	0.4	105
ECHE	E		0 16 30 23.3	E 0 16 30	56.5	0.04	0.4	160
CAF			0 16 30 25.8	0 16 31	05.6			
RJF			0 16 30 26.7	0 16 31	05.9			
TOL	E		0 16 30 30.0	E 0 16 31	09.0			200
MFF			0 16 30 35.8	0 16 31	24.2			
EVIA	E		0 16 30 37.2	E 0 16 31	22.9	0.04	0.5	165
ESEL	E		0 16 30 37.4					
LSF			0 16 30 37.8	0 16 31	25.6			
ERUA	E		0 16 30 41.3	E 0 16 31	31.9	0.04	0.5	135
MTE	E	9	16 30 42.0	0 16 31	42.0			
MVO	E		0 16 30 43.0	I 0 16 31	35.5			
EPLA	E		0 16 30 43.0	E 0 16 31	32.0	0.02	0.4	170
EMON	E		0 16 30 44.1	E 0 16 31	36.4	0.04	0.4	140

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1990

I.G.N.

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EBAN	E	0	16 30 47.5					140
STS	E	0	16 30 55.0					
EZAM	E	0	16 30 58.0					
MOE				0	16 32 30.0			
PTO				4	16 32 30.5			
FIG				4	16 33 30.0			

26 jul 18h 13m 18.4s 36°48'N 02°45'E
rms ±0.8s mb 3.7 W. ARGEL

ABA	I	0	18 13 22.5	I	0	18 13 26.0		
ESEL	I	D	0	18 14 04.8	E	0	18 14 39.2	0.05 0.3 92
ACU	E	0	18 14 05.0	E	0	18 14 38.6	0.05 0.5	80
EALH	E	0	18 14 12.0	E	0	18 14 52.0		72
VIV	E	0	18 14 18.0	E	0	18 15 01.6		
ENIJ	E	0	18 14 18.0	E	0	18 15 02.0	0.04 0.3	75
ECHE	E	0	18 14 20.4	E	0	18 15 06.0	0.03 0.5	82
EROQ	E	0	18 14 24.6	E	0	18 15 13.0	0.04 0.3	100
EVIA	E	0	18 14 26.0	E	0	18 15 18.0	0.03 0.3	110
EBR	E	4	18 14 29.0	E	0	18 15 13.0		
APHE	E	0	18 14 36.0					
EBAN	E	0	18 14 37.2	E	0	18 15 36.8		95
ASMO	E	4	18 14 38.1					
ETER	E	0	18 14 40.0	E	0	18 15 41.0		80
ALOJ	E	0	18 14 41.5					
ETOR	E	0	18 14 41.5	E	0	18 15 40.0		120
AAPN	E	4	18 14 42.5					
ATEJ	E	4	18 14 45.5					
GUD	E	0	18 14 56.0	E	0	18 16 08.6		120

26 jul 22h 37m 05.7s 37°46'N 04°34'W 2Km
rms ±0.7s mb 3.1 II-III SANTA CRUZ.CO

EHOR	I	D	0	22 37 14.7	E	0	22 37 21.8	0.06 0.2 70
AAPN	I	C	0	22 37 15.8	I	0	22 37 23.7	
ALOJ	I	C	0	22 37 19.1	I	0	22 37 29.6	
EBAN	E	0	22 37 20.0	E	0	22 37 29.3	0.05 0.2	90
ASMO	I	C	0	22 37 20.0	I	0	22 37 31.5	
ATEJ	I	C	0	22 37 22.4	I	0	22 37 35.7	
ECOG	I	C	0	22 37 22.9	E	0	22 37 35.7	0.08 0.3 62
AFC	I	C	0	22 37 23.3	E	0	22 37 37.0	0.04 0.3 66
EPRU	E	0	22 37 23.4	E	0	22 37 35.6	0.03 0.3	60
ACHM	I	C	0	22 37 23.7	I	0	22 37 34.1	
APHE	E	0	22 37 24.6	I	0	22 37 39.4		
EJIF	E	0	22 37 33.3	E	0	22 37 53.0	0.03 0.4	66
EVAL	E	0	22 37 36.3	E	0	22 37 58.4	0.01 0.4	60
EVIA	I	C	0	22 37 36.7	E	0	22 37 59.2	0.07 0.3 90
ENIJ	E	9	22 37 44.0	E	0	22 38 09.7		60
TOL	E	4	22 37 47.0	I	4	22 38 16.0		70
GUD	E	0	22 37 53.0	E	0	22 38 25.6		70
EPLA	E	9	22 37 53.9	E	0	22 38 25.4	0.02 0.3	70

28 jul 13h 56m 51.6s 36°41'N 02°49'E 22Km
rms ±0.8s mb 3.3 W. ARGEL.ARG

ABA	I	0	13 56 56.5	I	0	13 57 00.5		
ESEL	E	0	13 57 38.4	E	0	13 58 13.0	0.02 0.3	75
ACU	E	0	13 57 38.8	E	0	13 58 12.5	0.04 0.5	56
EALH	E	0	13 57 45.8	E	0	13 58 25.0		
ENIJ	E	0	13 57 51.0	E	0	13 58 34.5		70
VIV	E	0	13 57 52.0	E	0	13 58 35.2		
EROQ	E	0	13 57 58.0	E	0	13 58 47.0	0.02 0.3	82
EVIA	E	0	13 57 59.8	E	0	13 58 52.0	0.02 0.3	
EBAN	E	0	13 58 11.0	E	0	13 59 11.3		

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ETER	E	0	13 58 14.0					
EPF	0	13 58 28.8	0	13 59 38.6				
LMR	0	13 58 35.3	4	13 59 50.8				
LRG	0	13 58 36.9	4	13 59 52.0				
FRF	0	13 58 39.4	4	13 59 56.5				

29 jul 00h 34m 21.8s 42°23'N 08°40'W 22Km
rms ±0.4s mb 2.7 NW. REDONDELA.PO

EZAM	I	C	0	00 34 27.6	E	0	00 34 31.0	0.06 0.2 26
STS	E	0	00 34 31.4	E	0	00 34 39.0	0.03 0.3	20
ERUA	E	0	00 34 41.9	E	0	00 34 55.7	0.01 0.3	33
EMON	E	0	00 34 45.4	E	0	00 35 02.4	0.02 0.3	40

31 jul 05h 10m 45.5s 34°38'N 03°38'W
rms ±0.7s mb 2.9 NEKHILA.MAC

EMEL	I	D	0	05 10 59.7	E	0	05 11 13.5		55
TAF	I	0	05 11 05.0	I	4	05 11 25.0			
NKM	I	0	05 11 13.8	E	0	05 11 36.5			
IFR	I	0	05 11 14.0	I	0	05 11 35.5			
EJIF	E	0	05 11 23.0				0.02 0.5	74	
AVE	I	4	05 11 47.2	I	4	05 12 32.0			
EVIA	E	0	05 11 48.0						
TIO	I	4	05 12 09.5	I	4	05 13 13.5			

31 jul 19h 51m 03.2s 36°26'N 09°04'W 24Km
rms ±0.9s mb 3.2 S. CABO SAN VICENTE

FAR	E	0	19 51 22.5	I	0	19 51 36.3			
FIG	E	0	19 51 24.0	I	4	19 51 41.0			
EVAL	E	0	19 51 36.3	E	0	19 52 02.2	0.07 0.3	120	
LIS				I	0	19 52 05.3			
MTH	I	D	0	19 51 42.0	I	0	19 52 10.5		
NKM	I	0	19 51 50.0	I	4	19 52 20.5			
EJIF	E	0	19 51 47.3	E	0	19 52 19.0		86	
EPRU	E	0	19 51 50.0	E	0	19 52 23.7	0.01 0.3	105	
EHOR	I	C	0	19 51 52.8	E	0	19 52 30.2	0.01 0.2	110
AVE	I	0	19 51 55.0	I	0	19 52 30.5			
MTE	I	0	19 52 03.5	I	0	19 52 49.0			
AAPN	E	0	19 52 03.5	E	0	19 52 49.6			
ATEJ	I	C	0	19 52 03.7	E	0	19 52 49.3		
ALOJ	I	D	0	19 52 03.7	E	0	19 52 48.0		
IFR	I	4	19 52 04.5	I	4	19 52 49.0			
EPLA	E	0	19 52 06.0	E	0	19 52 52.8	0.02 0.3	110	
ACHM	E	0	19 52 06.8	E	0	19 52 54.1			
APHE	I	D	0	19 52 07.4	E	4	19 52 58.9		
ASMO	I	C	0	19 52 07.9	E	0	19 52 56.5		
EBAN	I	C	0	19 52 08.7	E	0	19 52 58.4		110
ECOG	E	0	19 52 09.8	E	0	19 52 58.2		75	
AFC	E	0	19 52 10.0				0.01 0.3	85	
MVO	I	D	0	19 52 14.5	I	0	19 53 09.5		
TIO	I	0	19 52 24.0	I	4	19 53 24.0			
GUD	E	0	19 52 24.8	E	0	19 53 27.2		150	
EZAM	E	0	19 52 25.4	0	19 53 28.2				
ETOR	E	0	19 52 43.9						
EMON	E	0	19 52 45.1	0	19 54 02.5				
TOL	E	4	19 53 33.0	I	4	19 53 52.0			

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

03 ago 09h 59m 56.7s 36°26'N 03°11'W
rms ±0.5s mb 2.8 ALBORAN

APHE E	0	10	00	08.9	E	0	10	00	17.5			
ATEJ E	0	10	00	11.7	E	0	10	00	22.2			
ACHM E	0	10	00	12.2	E	0	10	00	23.4			
AFC E	0	10	00	13.0	E	0	10	00	23.8	0.02	0.3	25
ENIJ E	0	10	00	13.2	E	0	10	00	25.0	0.04	0.3	32
ECOG E	0	10	00	13.8	E	0	10	00	24.7	0.02	0.3	32
ALOJ E	0	10	00	15.0	E	0	10	00	27.7			
AAPN					E	4	10	00	29.8			
ASMO E	0	10	00	15.7	E	4	10	00	31.5			
EVIA E	9	10	00	38.6	E	0	10	01	06.5			44

05 ago 21h 32m 27.0s 42°17'N 01°06'E 1Km
rms ±0.5s mb 3.4 II SERRA DEL BOUMORT.L

VIH	0	21	32	34.2								190
SALF	0	21	32	35.5	0	21	32	42.2				
GRBF	0	21	32	38.5	0	21	32	48.5				
MLS	0	21	32	39.0								
LESF	0	21	32	40.7	0	21	32	51.5				
MRB	0	21	32	43.2								165
EPF	0	21	32	43.6	0	21	32	57.4	0.11	0.2		100
OLT	0	21	32	45.3	0	21	33	01.0				135
SQD	0	21	32	46.5	0	21	33	02.1				
FBR	0	21	32	47.6	0	21	33	03.7				
ETER I C	0	21	32	50.4	E	0	21	33	08.9	0.12	0.3	105
JAU	0	21	32	50.5	E	4	21	33	12.8			
LHE	0	21	32	52.5	E	4	21	33	14.2			
ESCF C	0	21	32	53.0	E	4	21	33	15.7			
OGE	0	21	32	53.3	E	4	21	33	17.2			
ATE D	0	21	32	54.3	E	4	21	33	17.3			
EROQ E	0	21	32	54.7	E	0	21	33	15.5	0.16	0.3	130
EBR E	0	21	32	55.0	E	0	21	33	15.0			
LPO	0	21	33	06.9	0	21	33	36.0				
LFF	0	21	33	10.2	0	21	33	41.7				
ECRI E	0	21	33	10.6	E	0	21	33	42.9	0.04	0.3	130
CAF	0	21	33	11.3	0	21	33	43.0				
ETOR E	0	21	33	11.6	E	0	21	33	45.0	0.05	0.5	190
ESEL E	0	21	33	12.0	E	0	21	33	45.3			130
ECHE E	0	21	33	16.3	E	0	21	33	52.6	0.03	0.6	115
GUD E	0	21	33	31.8	E	0	21	34	20.4	0.01	0.5	150
EVIA E	0	21	33	36.2								130
TOL E	0	21	33	37.0	E	0	21	34	28.0			175
EPLA E	0	21	33	53.1								
EMON E	0	21	34	00.3								

07 ago 17h 14m 22.7s 37°13'N 07°54'W 11Km
rms ±0.4s mb 3.0 BARRANCO VELHO.PORT

FIG I C	0	17	14	26.0	I	0	17	14	28.5			
FAR I D	0	17	14	26.7	I	0	17	14	29.8			
EVAL E	0	17	14	41.0	E	0	17	14	54.0			110
EPRU					E	0	17	15	23.0			75
EJIF					E	0	17	15	23.2			110
EHOR					E	0	17	15	23.6	0.02	0.3	75
VCB E	9	17	15	06.0	E	0	17	15	40.0			
EPLA E	0	17	15	11.8	E	0	17	15	48.6	0.02	0.5	90
MTH E	4	17	15	14.0	I	4	17	15	24.5			
EBAN E	0	17	15	14.0	E	0	17	15	53.0	0.01	0.4	75
LIS E C	4	17	15	18.0	E	4	17	15	21.0			
MTE E	4	17	15	23.0	I	4	17	15	53.5			
MVO E	0	17	15	22.6	E	0	17	16	08.6			
GUD E	0	17	15	29.6	E	0	17	16	20.6	0.02	0.5	110

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

09 ago 18h 26m 48.1s 36°46'N 02°26'E 18Km
rms ±0.9s mb 3.7 NE. CERCHELL

ABA I	0	18	26	56.0	I	0	18	27	03.0			
ACU E	0	18	27	31.6	E	0	18	28	03.4	0.02	0.3	65
ESEL I C	0	18	27	34.0	E	0	18	28	08.4	0.05	0.4	100
VIV E	0	18	27	44.0	E	0	18	28	25.5			
ENIJ E	0	18	27	45.2	E	0	18	28	24.0			75
ECHE E	0	18	27	46.8	E	0	18	28	29.5	0.02	0.4	80
EVIA E	0	18	27	52.0	E	0	18	28	40.0	0.03	0.3	95
EROQ I C	0	18	27	52.4	E	0	18	28	40.2	0.02	0.3	100
EBAN E	0	18	28	02.2	E	0	18	29	01.0			85
ASMO E	0	18	28	01.3	E	4	18	28	59.0			
APHE E	4	18	28	03.7								
ALOJ E	0	18	28	05.8								
AAPN E	0	18	28	06.7	E	4	18	29	06.5			
ETOR E	0	18	28	08.0	E	0	18	29	04.2			105
ETER E	0	18	28	10.0	E	0	18	29	11.4			75
GRBF	0	18	28	18.4								
SALF	0	18	28	17.5								
GUD E	0	18	28	21.6	E	0	18	29	31.0			120
EPF	0	18	28	23.5	0	18	29	32.2				
LMR	0	18	28	33.7	4	18	29	49.8	0.01	0.5		
LRG	0	18	28	35.0	0	18	29	52.1	0.02	0.8		
FRF	0	18	28	37.4	0	18	29	57.5	0.02	0.5		

12 ago 11h 41m 52.3s 43°17'N 03°51'E
rms ±0.6s mb 2.9 SE. SETE

MTHF	0	11	42	10.6								
ETER E	0	11	42	15.8	E	0	11	42	30.6	0.02	0.3	
VDCF	0	11	42	16.6	0	11	42	33.6				
LRG	0	11	42	23.7								
LMR	0	11	42	24.9								
FRF	0	11	42	26.2								
CAF	0	11	42	26.8								
FONT	9	11	42	27.3	E	0	11	42	50.1			
SALF	9	11	42	29.6	0	11	42	55.6				
LPO	0	11	42	31.2								
EPF	0	11	42	32.6								

12 ago 23h 38m 13.1s 41°21'N 01°38'E 2Km
rms ±0.4s mb 2.7 VILAFRANCA PENEDES.B

FBR	4	23	38	11.8	0	23	38	24.7				
FONT	0	23	38	26.1	0	23	38	35.5				
AVN	0	23	38	28.6	0	23	38	39.8				
OLT	0	23	38	31.6	0	23	38	44.8				
EROQ E	0	23	38	32.5	E	0	23	38	47.0	0.01	0.3	
ETER					E	0	23	38	54.8	0.02	0.3	
VIH	0	23	38	39.0	0	23	38	57.5				
SALF	0	23	38	39.4	0	23	38	58.7				
GRBF	0	23	38	40.4	0	23	39	00.6				

13 ago 01h 45m 50.3s 34°55'N 05°19'W 90Km
rms ±0.8s mb 3.5 ANKOD.MAC

NKM I	0	01	46	05.0	I	0	01	46	16.0			
PLAT I	0	01	46	13.0								
OJEN I	4	01	46	14.0								
IFR I	0	01	46	14.0	I	0	01	46	32.0			
EJIF E	0	01	46	17.8	E	0	01	46	34.0	0.02	0.3	78
EMEL E	0	01	46	21.4								
ATEJ					E	0	01	46	50.7			
APHE E	0	01	46	26.0	E	0	01	46	54.9			
ALOJ					E	0	01	46	56.0			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ACHM				E 0	01 46 57.5			
AAPN E	0	01 46 30.0		E 0	01 47 01.0			
AVE I	9	01 46 36.0		I 0	01 47 05.0			
EHOR				E 0	01 47 06.2			
ENIJ				E 0	01 47 16.0			
EBAN E	0	01 46 42.8		E 0	01 47 21.0			70
TIO I	0	01 46 53.8		I 0	01 47 41.0			
EVIA E	0	01 46 55.5		E 0	01 47 43.0	0.01	0.3	
EPLA E	0	01 47 06.0		E 0	01 48 01.0	0.01	0.3	70
GUD E	0	01 47 14.0		E 0	01 48 16.6			
ETOR E	0	01 47 23.0		E 0	01 48 32.0			

13 ago 15h 39m 54.8s 36°15'N 05°17'W
rms ±0.9s mb 2.7 NE. SAN ROQUE

OJEN I	0	15 39 58.0						
MOMI I	4	15 39 58.0						
EJIF I D	0	15 39 58.4	E 0	15 40 02.2	0.35	0.3	85	
PLAT I	0	15 40 03.0						
CNTL I	0	15 40 07.0						
MAL E	0	15 40 11.0	I 0	15 40 21.3				
EHOR E	0	15 40 23.6			0.02	0.4	40	
EBAN E	9	15 40 37.0	E 0	15 41 06.0				
TOL E	4	15 40 50.0	E 4	15 41 57.0				

13 ago 19h 06m 11.9s 43°03'N 00°35'W 3Km
rms ±0.3s mb 2.6 BIELLE.FR

ESCF I D	0	19 06 12.5	E 0	19 06 13.1				
ATE I D	0	19 06 13.7	E 0	19 06 15.4				
OGE	0	19 06 14.1	E 0	19 06 16.2				
JAU	0	19 06 14.6	E 0	19 06 17.0				
EPF	0	19 06 24.6	0	19 06 33.6				
AVN	9	19 06 41.9	0	19 07 02.0				
ECRI E	9	19 06 42.0	E 0	19 07 01.6				
LPO	9	19 06 50.5	0	19 07 17.1				
LFF	9	19 06 51.6	0	19 07 18.9				

13 ago 19h 12m 46.2s 43°09'N 00°33'W 2Km
rms ±0.9s mb 3.5 III BIELLE.FR

ESCF D	0	19 12 47.0	E 0	19 12 47.7				
ATE D	0	19 12 48.2	E 0	19 12 49.9				
OGE D	0	19 12 48.6	E 4	19 12 50.6				
JAU D	0	19 12 49.1	E 0	19 12 51.4				
EPF	0	19 12 58.3	0	19 13 08.2			73	
VIH	0	19 13 05.6	0	19 13 20.1			150	
MLS	0	19 13 09.0	4	19 13 27.0				
SALF	0	19 13 10.0	0	19 13 28.5				
LESF	0	19 13 11.7						
AVN	0	19 13 14.7	0	19 13 35.5			140	
GRBF	0	19 13 15.1						
ECRI I	0	19 13 15.1	E 0	19 13 35.0	0.12	0.3	105	
LPO	0	19 13 19.8						
LFF	0	19 13 20.1						
CAF	0	19 13 26.9	0	19 13 59.0				
VDCF	4	19 13 27.0	4	19 13 57.2				
RJF	0	19 13 27.1	0	19 13 59.3				
EROQ E	0	19 13 27.2	E 0	19 13 54.0	0.09	0.3	105	
OLT	4	19 13 28.6					105	
ETOR E	0	19 13 29.0			0.02	0.3	118	
ETER			E 0	19 14 00.4	0.04	0.4	74	
MRB	9	19 13 34.7	0	19 14 03.5				

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
LSF	0	19 13 39.4		0	19 14 18.3			
GUD E	0	19 13 43.6		E 0	19 14 25.0			110
ESEL E	0	19 13 49.4						
ECHE E	9	19 13 53.5		E 0	19 14 35.9			

14 ago 00h 22m 45.0s 36°21'N 02°54'W 3Km
rms ±0.8s mb 3.0 ALBORAN

ALM I C	0	00 22 56.3	I 0	00 23 05.2				
ENIJ I D	0	00 22 59.8	E 0	00 23 11.2	0.12	0.3	90	
APHE E	0	00 23 00.5	E 0	00 23 12.6				
ATEJ E	4	00 23 01.8	E 4	00 23 15.2				
CRT			E 0	00 23 15.5				
EMEL			E 0	00 23 16.6				
ACHM E	0	00 23 03.4	E 0	00 23 18.1				
AFC I C	0	00 23 04.6	E 0	00 23 18.5	0.03	0.3	75	
ECOG I C	0	00 23 05.5	E 0	00 23 18.6	0.05	0.3	90	
ALOJ E	4	00 23 05.6						
ASMO E	0	00 23 07.2	E 0	00 23 24.5				
MAL E	0	00 23 08.3	I 4	00 23 20.3				
AAPN E	0	00 23 10.9	E 0	00 23 28.5				
EBAN E	0	00 23 18.0	E 0	00 23 41.6			66	
EJIF E	0	00 23 21.0						
NKM E	0	00 23 23.0						
EVIA E	0	00 23 24.0	E 0	00 23 51.8	0.04	0.6	80	
IFR I	4	00 23 31.0						
PAB E	4	00 23 50.0	I 4	00 24 38.0			100	
TOL E	4	00 23 57.0	I 4	00 24 43.0			110	
GUD E	9	00 24 13.0	E 0	00 25 04.5				

14 ago 12h 37m 44.6s 42°05'N 08°26'W 3Km
rms ±0.3s mb 2.9 AS NEVES.PO

EZAM E	0	12 37 48.2	E 0	12 37 50.8	0.09	0.2	28	
STS E	0	12 37 59.5	E 0	12 38 10.0	0.02	0.3	30	
ERUA E	0	12 37 63.0	E 0	12 38 16.8	0.03	0.3	30	
EMON E	0	12 38 13.4	E 0	12 38 32.6	0.05	0.3	40	

14 ago 15h 54m 49.7s 36°18'N 02°54'W 2Km
rms ±0.8s mb 3.5 ALBORAN

ALM I C	0	15 55 01.9	I 0	15 55 11.0				
ENIJ I C	0	15 55 05.1	E 0	15 55 17.1			180	
APHE E	0	15 55 05.9	E 0	15 55 19.0				
EMEL E	0	15 55 07.5	E 0	15 55 21.2			100	
ATEJ E	4	15 55 07.6	E 4	15 55 22.2				
ACHM E	0	15 55 08.8	E 0	15 55 25.2				
CRT E	0	15 55 08.8	E 4	15 55 25.8				
AFC I C	0	15 55 10.0	E 0	15 55 24.0	0.14	0.4	145	
ECOG E	0	15 55 10.4	E 0	15 55 24.5	0.10	0.3	90	
ALOJ E	0	15 55 11.4	E 0	15 55 28.6				
MAL I D	0	15 55 13.5	I 4	15 55 26.2	0.25	0.8	117	
ASMO E	0	15 55 12.3	E 0	15 55 31.2				
AAPN E	0	15 55 14.8	E 0	15 55 34.5				
EBAN E	0	15 55 23.4	E 0	15 55 49.0	0.07	0.5	155	
EPRU E	0	15 55 24.1			0.19	1.0	170	
OJEN E	0	15 55 25.0						
EJIF E	0	15 55 25.6			0.11	0.7	150	
NKM E	0	15 55 27.5						
MOMI E	0	15 55 28.0						
EHOR E	0	15 55 28.6			0.07	0.8	125	
EVIA E	0	15 55 30.0			0.16	0.4	165	
PLAT E	4	15 55 31.0						
IFR I	0	15 55 40.5						

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
PAB	I	0	15 55 42.5	E 0	15 56 24.5			
TOL	E	9	15 55 54.0	I 0	15 56 35.5			190
GUD	E	0	15 55 57.0	E 0	15 56 49.5	0.04	0.7	180
AVE	E	4	15 56 31.0					
TIO	E	4	15 57 37.0					

15 ago 16h 56m 45.6s 36°18'N 02°54'W 2Km
rms ±0.9s mb 3.9 ALBORAN

ALM	I	C	0	16 56 57.9	I 4	16 57 27.8		
ENIJ	I	C	0	16 57 01.3				300
APHE	I	C	0	16 57 01.3	E 0	16 57 14.7		
ATEJ	E	0	16 57 03.6	E 4	16 57 18.2			
EMEL	I	C	0	16 57 03.4	E 0	16 57 17.5		165
ACHM	E	0	16 57 04.7	E 0	16 57 20.4			
AFC	I	C	0	16 57 05.5	E 0	16 57 21.0		260
CRT	E	0	16 57 05.7	E 0	16 57 21.0			
ECOG	I	C	0	16 57 06.3				100
ALOJ	E	0	16 57 06.6	E 0	16 57 25.6			
MAL	I	C	0	16 57 07.2	I 0	16 57 28.5	1.08	0.8 225
ASMO	E	0	16 57 08.0	E 0	16 57 26.5			
AAPN	E	0	16 57 11.0	E 4	16 57 26.2			
TAF	I	0	16 57 14.0					
EBAN	E	0	16 57 18.9	E 0	16 57 43.0	0.46	0.7	300
EPRU	E	0	16 57 20.5	E 0	16 57 45.0	0.49	0.7	270
EJIF	I	C	0	16 57 20.6	E 0	16 57 47.0	0.43	0.6 260
EHOR	E	0	16 57 24.2	E 0	16 57 54.0	0.15	0.6	210
EVI A	E	0	16 57 25.6	E 0	16 57 53.5			370
OJEN	E	4	16 57 26.0					
MOMI	E	4	16 57 27.0					
PLAT	E	4	16 57 28.0					
NKM	I	4	16 57 28.0					
ACU	E	0	16 57 31.9			0.10	0.8	200
CNIL	E	4	16 57 32.0					
IFR	I	0	16 57 37.0					
EVAL	E	0	16 57 38.9	E 0	16 58 15.8	0.08	0.8	250
PAB	I	C	0	16 57 39.7	I 4	16 58 24.0		360
ECH E	E	0	16 57 41.2			0.12	0.7	250
TOL	E	0	16 57 43.0	I 4	16 58 35.5	1.18	1.6	300
FIG	E	0	16 57 47.5	I 4	16 58 36.5			
AVE	E	4	16 57 53.0					
GUD	E	0	16 57 53.2	E 0	16 58 42.7	0.10	0.6	330
EPLA	E	0	16 57 53.7	E 0	16 58 45.0	0.14	0.6	260
ETOR	E	0	16 57 54.9			0.08	0.5	310
LIS				E 4	16 59 06.0			
MTE	I	C	0	16 58 06.0	I 0	16 59 07.5		
MTH	E	0	16 58 11.0					
COI	E	0	16 58 11.3	I 4	16 59 14.7			
MVO	I	C	0	16 58 11.7	I 4	16 59 25.7		
PTO	E	0	16 58 22.1	E 4	16 59 33.5			
ERUA	E	0	16 58 27.2					
TIO	I	4	16 58 30.2					

16 ago 11h 57m 46.9s 36°19'N 02°55'W 2Km
rms ±0.8s mb 3.4 ALBORAN

ALM	I	C	0	11 57 58.9	E 0	11 58 07.7		
APHE	E	0	11 58 02.3	E 0	11 58 15.0			
ENIJ	I	C	0	11 58 02.4	E 0	11 58 14.4		160
ATEJ	E	4	11 58 04.4	E 4	11 58 18.3			
EMEL	E	0	11 58 04.4	E 0	11 58 18.4			60
ACHM	E	0	11 58 05.5					
CRT				E 0	11 58 20.0			
ECOG	E	0	11 58 07.0	E 0	11 58 22.4	0.22	0.3	85
ALOJ	E	0	11 58 07.9					
ASMO	E	0	11 58 09.3	0	11 58 26.4			
AAPN	E	0	11 58 11.9	0	11 58 29.4			
MAL	I	C	0	11 58 11.0	I 4	11 58 21.5	0.21	0.4 86

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
TAF	E	0	11 58 16.0					
EBAN	E	0	11 58 21.2	E 0	11 58 45.0	0.17	0.8	115
EPRU	E	0	11 58 21.6			0.08	0.8	135
NKM	E	0	11 58 24.0					
EHOR	E	0	11 58 26.8	E 0	11 58 57.0	0.03	0.4	120
EVI A	E	0	11 58 26.0			0.10	0.3	160
IFR	E	0	11 58 37.5					
PAB	E	0	11 58 41.0	I 0	11 59 19.0			150
ETOR	E	0	11 58 56.0			0.01	0.3	175
GUD	E	0	11 58 54.4			0.02	0.5	150
TOL	E	9	11 59 03.0	I 0	11 59 45.0	0.12	1.0	150

18 ago 18h 17m 08.5s 32°04'N 16°25'W
rms ±0.8s mb 4.0 III-IV S. MADEIRA

TBT	I	D	0	18 18 01.6	I 4	18 18 38.5		
CTFE	I	C	0	18 18 02.4	I 0	18 18 40.4		
GGC	I	C	0	18 18 08.4	I 0	18 18 51.5		
CFTV	I	C	4	18 18 12.9	I 0	18 18 54.9		
CHIE	E	0	18 18 14.8	I 0	18 19 02.0			
AVE	I	4	18 19 02.5	I 0	18 20 20.0			
TIO	I	4	18 19 07.0	I 4	18 20 32.0			
FIG				E 0	18 20 45.5			
MTH				4	18 20 49.0			
MOE	E	4	18 19 17.0	E 4	18 20 52.0			
MVO				E 4	18 21 55.0			
IFR	I	4	18 19 28.0	I 0	18 21 07.0			
EVAL	E	0	18 19 25.8	E 0	18 21 10.0	0.01	0.4	
EJIF	E	0	18 19 32.0					
EPRU	E	0	18 19 37.2					
EHOR	E	0	18 19 41.8					
EPLA	E	0	18 19 51.5					
EBAN	E	0	18 19 58.0	E 0	18 22 05.0			
GUD	E	0	18 20 12.0	E 0	18 22 30.7			
ETOR	E	0	18 20 32.0					

19 ago 23h 29m 32.3s 37°28'N 04°19'W 20Km
rms ±0.5s mb 3.1 CARCABUEY.CO

AAPN	E	0	23 29 37.2	E 0	23 29 41.4			
ALOJ	E	0	23 29 39.7	E 0	23 29 45.3			
ASMO	I	C	0	23 29 41.2	E 0	23 29 48.4		
ACHM	E	0	23 29 42.2	E 0	23 29 49.6			
ATEJ	E	0	23 29 43.0	E 0	23 29 51.9			
APHE	E	0	23 29 44.6	E 0	23 29 55.2			
AFC	I	C	0	23 29 45.3	E 0	23 29 54.6	0.02	0.2 42
EHOR	I	C	0	23 29 47.0	E 0	23 29 57.8	0.04	0.2 43
EBAN	I	C	0	23 29 47.7	E 0	23 29 58.4	0.05	0.2 70
EPRU	I	D	0	23 29 49.3	E 0	23 30 01.0		36
MAL	I	C	4	23 29 55.5				
EVI A	I	0	23 30 01.5	I 0	23 30 24.0	0.02	0.2	80
PAB	E	4	23 30 08.0	E 4	23 30 35.0			70
TOL				E 4	23 30 50.0			

20 ago 04h 16m 52.0s 42°20'N 01°47'E 6Km
rms ±0.2s mb 2.6 LA CERDANYA.L

VDCF	0	04 17 01.4	0	04 17 08.0
OLT	0	04 17 02.0	0	04 17 09.0
GRBF	0	04 17 02.1	0	04 17 09.2
SALF	0	04 17 03.1	0	04 17 11.3
SQD	0	04 17 04.2	0	04 17 12.7
FONT	0	04 17 05.8	0	04 17 16.0

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
AVN			0 04 17 08.6		0 04 17 20.1			
ETER	E		0 04 17 06.6	E	0 04 17 17.5	0.02	0.3	
MRB			9 04 17 14.6		0 04 17 24.1			
EPF			0 04 17 14.9		0 04 17 32.2			
CAF			4 04 17 30.6		0 04 18 04.0			

20 ago 12h 22m 33.7s 40°00'N 00°28'E 10Km
rms ±0.7s mb 3.1 E. CASTELLON

EROQ	I	D	0 12 22 49.1	E	0 12 22 59.8			110
ECHE	I	C	0 12 22 54.2	E	0 12 23 09.5	0.10	0.4	120
VIV	E		0 12 22 58.0	E	0 12 23 18.0			
ACU	E		0 12 23 01.8			0.03	0.5	70
ESEL	E		0 12 23 04.3	E	0 12 23 28.1	0.02	0.3	110
AVN			0 12 23 06.0					154
ETOR	E		0 12 23 08.3	E	0 12 23 33.5	0.09	0.4	150
MRB			4 12 23 12.5					
EVIA	E		0 12 23 15.2			0.03	0.5	120
OLT			0 12 23 15.7					
EPF			0 12 23 19.1			0.03	0.4	
TOL			4 12 23 23.0	E	0 12 24 06.5	0.05	1.0	120
ECRI	E		0 12 23 27.0	E	0 12 24 06.0	0.05	0.4	120
GUD	E		0 12 23 28.3	E	0 12 24 10.0	0.02	0.4	140
ETER	E		9 12 23 28.8	E	0 12 24 02.4	0.02	0.3	
PAB	I		0 12 23 30.0	I	0 12 24 12.0			120
ASMO	E		4 12 23 33.0	E	4 12 24 36.0			
ALOJ	E		4 12 23 36.4					
AAPN	E		4 12 23 36.4					
LPO			0 12 23 43.0			0.01	0.6	
LFF			4 12 23 44.4			0.01	0.4	
CAF			0 12 23 48.8					

21 ago 16h 58m 32.9s 38°20'N 01°14'W
rms ±0.7s mb 2.7 SE. JUMILLA.MU

EALH	E		0 16 58 42.1	E	0 16 58 50.2	0.05	0.6	75
ACU	E		0 16 58 44.5	E	0 16 58 54.6	0.01	0.3	65
VIV	E		0 16 58 49.8	E	0 16 59 03.0			
EVIA	E		0 16 58 51.0	E	0 16 59 06.0	0.06	0.5	65
ECHE	E		0 16 58 55.4	E	0 16 59 13.6	0.04	0.6	62
ENIJ	E		0 16 59 00.0					70
EBAN	E		0 16 59 04.4	E	0 16 59 32.2			80
ASMO	E		4 16 59 11.2	E	4 16 59 39.0			
AAPN	E		0 16 59 12.1					
APHE	E		4 16 59 17.0	E	4 16 59 49.6			
ALOJ	E		4 16 59 21.5	E	4 16 59 55.0			
GUD	E		9 16 59 34.0	E	0 17 00 12.4			85

26 ago 08h 39m 38.7s 43°09'N 00°23'W 2Km
rms ±0.6s mb 2.8 ARUDY.FR

JAU	I	C	0 08 39 40.4	E	0 08 39 42.4			
OGE	I	D	0 08 39 40.5					
ESCF	I	C	0 08 39 40.9	E	0 08 39 43.4			
ATE			0 08 39 42.3	E	0 08 39 46.1			
EPF			0 08 39 48.5		4 08 39 53.3			
VIH			0 08 39 56.8		0 08 40 08.9			
SALF			0 08 40 00.6		0 08 40 17.7			
GRBF			0 08 40 05.4					
AVN			0 08 40 06.5		0 08 40 27.3			
ECRI	E		9 08 40 09.0	E	0 08 40 31.0	0.01	0.3	
LPO			9 08 40 15.5		0 08 40 40.1			

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

26 ago 22h 49m 30.4s 37°45'N 03°33'W 29Km
rms ±0.1s mb 2.5 TORRES.J

EBAN	E		0 22 49 39.6	E	0 22 49 46.2			
ECOG	E		0 22 49 40.0	E	0 22 49 47.0	0.01	0.3	28
EVIA	E		0 22 49 50.2	E	0 22 50 05.0	0.03	0.2	35

27 ago 00h 18m 42.0s 36°44'N 07°28'W 26Km
rms ±0.8s mb 2.8 GOLFO DE CADIZ

FIG	I	C	0 00 18 51.7	I	0 00 18 57.0			
FAR	I	C	0 00 18 51.7	I	0 00 18 59.0			
EVIA	E		0 00 19 00.5	E	0 00 19 14.0	0.03	0.3	80
EJIF	E		0 00 19 08.0	E	0 00 19 27.0			55
EPRU	E		0 00 19 10.8	E	0 00 19 32.0	0.01	0.3	80
MOE	E		0 00 19 11.5	I	0 00 19 34.0			
NKM	I		0 00 19 13.8	E	4 00 19 33.2			
AAPN	E		0 00 19 24.5	E	4 00 19 52.1			
ATEJ	E		0 00 19 24.5	E	4 00 19 52.8			
ALOJ				E	0 00 19 52.5			
ACHM				E	0 00 19 57.5			
APHE	E		0 00 19 28.0	E	4 00 19 59.2			
VCB	E		0 00 19 29.0	E	0 00 20 02.0			
EBAN	E		0 00 19 30.0	E	0 00 20 07.5	0.01	0.3	90
ASMO	E		4 00 19 31.5	E	0 00 20 00.2			
ECOG				E	0 00 20 05.3			60
IFR	I		4 00 19 34.0	I	4 00 20 12.0			
EPLA	E		0 00 19 34.5	E	0 00 20 13.0	0.01	0.3	
MTE				E	0 00 20 15.5			
EVIA	E		0 00 19 44.8	E	0 00 20 34.0			100
GUD				E	0 00 20 41.5			
TIO	I		4 00 20 03.0	I	4 00 21 22.0			

27 ago 13h 08m 35.1s 36°44'N 05°44'W 3Km
rms ±0.7s mb 2.9 ARCOS LA FRONTERA.CA

GIBL	I		0 13 08 38.5					
EJIF	I		0 13 08 41.0	E	0 13 08 45.5	0.18	0.4	96
EPRU	E		0 13 08 43.0	E	0 13 08 50.4	0.06	0.4	95
MOMI	I		0 13 08 43.5					
CNIL	I		0 13 08 44.5					
OJEN	I		4 13 08 50.0					
EHOR	I	D	0 13 08 55.7	E	0 13 09 12.0	0.03	0.3	46
EVIA	E		0 13 08 56.0	E	0 13 09 12.3	0.05	0.3	70
ATEJ	E		0 13 09 00.2	E	0 13 09 18.0			
AAPN	E		0 13 09 00.5	E	0 13 09 19.6			
ALOJ	E		0 13 09 00.5	E	4 13 09 20.4			
APHE	E		0 13 09 04.0	E	4 13 09 27.5			
ASMO	E		0 13 09 05.0	E	0 13 09 27.6			
EBAN	E		9 13 09 14.8	E	0 13 09 41.0	0.01	0.3	65
EVIA	E		0 13 09 24.0	E	0 13 10 01.0			105
GUD	E		0 13 09 36.0	E	0 13 10 24.0			110

28 ago 22h 20m 27.2s 38°56'N 11°02'W
rms ±0.8s mb 3.1 ATLANTICO

MTH	I	D	0 22 20 51.5	I	0 22 21 09.0			
LIS	I	C	0 22 20 51.5	I	0 22 21 10.4			
MOE	E		0 22 21 00.0	I	0 22 21 25.0			
MTE	E		0 22 21 12.0	E	0 22 21 46.0			
FIG	E		0 22 21 12.7	E	0 22 21 47.5			
EVIA	I		0 22 21 20.6	E	0 22 21 59.3	0.02	0.3	85
MVO	E		0 22 21 22.3	E	0 22 22 03.8			
EPLA	E		0 22 21 26.2	E	0 22 22 09.0	0.03	0.3	74
VCB	E		0 22 21 34.0	E	0 22 22 24.0			

EST I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EHOR	I D 0	22 21 35.0	E 0	22 22 25.3			
EPRU	E 0	22 21 39.7	E 0	22 22 33.0		75	
GUD	E 0	22 21 48.3	E 0	22 22 48.7		125	
AAPN	E 0	22 21 49.4	E 0	22 22 50.0			
ALOJ	E 0	22 21 50.8	E 0	22 22 53.5			
EBAN			E 0	22 22 50.5			
ASMO	E 0	22 21 52.5					
ATEJ	E 0	22 21 53.0	E 4	22 22 58.0			
ETOR	E 0	22 22 10.0	E 0	22 23 26.0			
TIO	E 4	22 22 26.5	E 4	22 23 54.0			

29 ago 18h 38m 43.3s 36°16'N 05°44'W 4Km
rms ±0.7s mb 2.7 E. VEJER FRONTERA.CA

EST I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EJIF	I C 0	18 38 48.2	E 0	18 38 52.5			100
CNIL	I 4	18 38 51.5					
OJEN	I 4	18 38 51.5					
GIBL	I 0	18 38 53.0					
EPRU	E 0	18 38 58.5	E 0	18 39 10.0	0.03	0.5	75
EVAL	E 0	18 39 11.0	E 0	18 39 31.0	0.02	0.4	50
EHOR	E 0	18 39 11.5	E 0	18 39 30.3	0.02	0.4	45
ATEJ	E 9	18 39 13.0	E 0	18 39 33.0			
ALOJ	E 4	18 39 15.0					
AAPN	E 4	18 39 15.4	E 4	18 39 37.0			
APHE	E 4	18 39 18.8					
ASMO	E 4	18 39 20.0	E 4	18 39 44.0			
EBAN	E 9	18 39 31.0	E 0	18 40 01.5			

31 ago 08h 35m 03.2s 36°30'N 07°36'W
rms ±0.9s mb 3.2 GOLFO DE CADIZ

EST I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
FIG	I D 0	08 35 14.8	I 0	08 35 23.0			
FAR	E 0	08 35 15.0	I 0	08 35 23.0			
EVAL	E 0	08 35 23.2	E 0	08 35 38.0	0.03	0.2	60
EJIF	E 0	08 35 30.6	E 0	08 35 49.2			
MOE	E 0	08 35 36.5		08 36 01.0			
EHOR			E 0	08 36 05.8			55
AAPN	E 0	08 35 46.7	E 0	08 36 19.5			
ATEJ	E 0	08 35 47.5	E 0	08 36 20.5			
ALOJ	E 4	08 35 48.6	E 0	08 36 18.8			
AVE			I 0	08 36 25.0			
ASMO			E 0	08 36 26.4			
APHE	E 0	08 35 51.4	E 0	08 36 27.0			
VCB	I 0	08 35 52.8	E 0	08 36 27.5			
EBAN	E 0	08 35 53.5	E 0	08 36 31.6			70
IFR	I 0	08 35 57.0	I 4	08 36 34.0			
EPLA	E 0	08 35 58.0	E 0	08 36 38.0			75
EVIA	E 0	08 36 08.5	E 0	08 36 58.5	0.03	0.2	95
GUD	E 0	08 36 14.2	E 0	08 37 06.5			
TIO	I 0	08 36 23.9	I 0	08 37 23.0			

01 sep 06h 32m 21.2s 43°08'N 00°30'W 2Km
rms ±0.4s mb 2.7 OLORON.FR

EST I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
OGE	0	06 32 22.0	E 0	06 32 22.9			
ESCF	I D 0	06 32 22.5	E 0	06 32 23.7			
ATE	I C 0	06 32 24.0	E 0	06 32 26.4			
LHE	0	06 32 25.4	E 0	06 32 29.0			
EPF	0	06 32 32.4		06 32 41.8			
VIH	0	06 32 40.0		06 32 54.5			
ECRI	E 9	06 32 51.0	E 0	06 33 12.5	0.01	0.3	
AVN	9	06 32 51.5		06 33 12.9			
LPO	9	06 33 00.1		06 33 25.3			
LFF	4	06 33 00.2	4	06 33 28.0			
CAF	9	06 33 11.3		06 33 43.1			

EST I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
01 sep 06h 57m 17.4s 43°07'N 00°30'W 3Km rms ±0.8s mb 2.6 OLORON.FR							
OGE	I D 0	06 57 18.0		06 57 18.9			
ESCF	0	06 57 18.5		06 57 19.9			
ATE	I C 0	06 57 20.0		06 57 22.5			
MADF	I D 0	06 57 21.6		06 57 25.9			
EPF	0	06 57 28.4		06 57 38.0			
VIH	0	06 57 36.0		06 57 50.5			
ECRI	E 9	06 57 47.0		06 58 08.5	0.01	0.3	
AVN	9	06 57 47.5		06 58 09.0			
LPO	9	06 57 54.6		06 58 21.5			
LFF	9	06 57 56.4		06 58 23.6			
CAF	9	06 58 06.9		06 58 39.1			

02 sep 01h 26m 57.5s 42°22'N 07°26'W 10Km
rms ±0.4s mb 2.9 CASTRO CALDELAS.OR

EST I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ERUA	I 0	01 27 02.0	E 0	01 27 05.0	0.05	0.2	32
EZAM	E 0	01 27 15.0	E 0	01 27 27.7	0.02	0.2	22
STS	E 0	01 27 15.5	E 0	01 27 27.5	0.02	0.3	28
EMON	I D 0	01 27 17.0	E 0	01 27 31.0	0.12	0.2	45
EPLA	E 0	01 27 36.3	E 0	01 28 07.5			
VCB	E 4	01 27 50.0	E 4	01 28 29.5			
GUD	E 9	01 27 52.7	E 0	01 28 28.5			55

04 sep 19h 16m 48.9s 43°30'N 00°38'W 2Km
rms ±0.6s mb 3.0 IV ARTHEZ DE BEARN.FR

EST I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
OGE	0	19 16 55.3					
MADF	C 0	19 16 55.4	E 0	19 17 01.4			
ESCF	D 0	19 16 56.3					
ATE	D 0	19 16 56.3	E 0	19 17 02.6			
BOH	0	19 16 57.4	E 0	19 17 04.6			
ISSF	0	19 16 57.7	E 0	19 17 04.6			
JAU	D 0	19 16 57.9					
LHE	0	19 16 59.1					
EPF	0	19 17 05.4	E 0	19 17 17.4	0.21	0.4	95
MLS	0	19 17 13.0	4	19 17 30.0			
VIH	0	19 17 13.7		19 17 31.6			125
LESF	0	19 17 15.1					
SALF	0	19 17 15.9					
ECRI	E 0	19 17 18.5	E 0	19 17 40.0	0.04	0.3	100
GRBF	0	19 17 18.7					
LFF	0	19 17 19.0					
LPO	0	19 17 19.7					
AVN	0	19 17 22.6					150
RJF	0	19 17 26.9					
OLT	4	19 17 34.0					
ETOR	E 0	19 17 35.5	E 0	19 18 09.7	0.02	0.4	100
MRB	4	19 17 40.0					
GUD	E 0	19 17 49.0	E 0	19 18 32.6			100

06 sep 06h 44m 14.3s 43°05'N 03°26'W 18Km
rms ±0.6s mb 3.4 MONTES ORDUNTE.BU

EST I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ECRI	I C 0	06 44 29.2	E 0	06 44 41.2			
GUD	E 0	06 44 52.6	E 0	06 45 21.3	0.06	0.4	160
ETOR	E 0	06 44 52.6	E 0	06 45 21.3	0.06	0.5	155
ERUA	E 0	06 44 56.8	E 0	06 45 30.8	0.04	0.4	110
EMON	E 0	06 44 58.5	E 0	06 45 31.3	0.08	0.3	120
EPF	4	06 45 00.4	E 4	06 45 33.9			
VIH	0	06 45 03.4					
MVO	E 0	06 45 03.5	I 4	06 45 39.0			
AVN	0	06 45 05.2					
LFF	0	06 45 07.2	E 4	06 45 44.8			

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

EPLA E 0 06 45 07.5 E 0 06 45 50.0 0.05 0.4 120
 LPO 0 06 45 09.8 E 0 06 45 50.6
 VCB E 0 06 45 15.2
 TOL E 4 06 45 16.0 E 4 06 46 00.5 0.05 0.8 125
 MTE E 4 06 45 17.9 I 4 06 45 58.0
 OLT 0 06 45 21.0

07 sep 09h 14m 57.5s 35°41'N 08°48'W
 rms ±0.7s mb 3.1 S. CABO SAN VICENTE

EVAL E 0 09 15 36.0 E 0 09 16 03.0 0.02 0.3
 AVE E 0 09 15 37.5 I 0 09 16 06.5
 MOE I C 0 09 15 40.0 E 0 09 16 11.5
 EJIF E 0 09 15 40.5
 EPRU E 0 09 15 45.0 E 0 09 16 18.5
 EHOR E 0 09 15 51.0 E 0 09 16 30.2
 IFR I 0 09 15 52.5 I 4 09 16 30.5
 EPLA E 0 09 16 08.5 E 0 09 17 00.4
 TIO I 0 09 16 08.5 I 0 09 17 02.0
 EVIA E 0 09 16 20.6 E 0 09 17 22.8

14 sep 04h 10m 30.4s 36°55'N 05°57'W 2Km
 rms ±0.9s mb 2.6 E. LEBRIJA.SE

EPRU E 0 04 10 40.0 E 0 04 10 49.2 0.03 0.6 62
 EJIF E 0 04 10 40.2 E 0 04 10 49.0 0.05 0.6 65
 EVAL E 0 04 10 47.0 E 0 04 11 00.0 0.02 0.4 56
 EHOR E 0 04 10 48.2 E 0 04 11 03.0 0.02 0.3 36
 ALOJ I 0 04 10 57.0 E 0 04 11 18.0
 AAPN E 0 04 10 57.5 E 0 04 11 19.0
 ATEJ E 0 04 10 57.7 E 0 04 11 18.7
 APHE E 0 04 11 02.0
 ASMO E 0 04 11 02.5

14 sep 15h 07m 19.7s 36°35'N 04°26'W 87Km
 rms ±0.6s mb 2.8 S. MALAGA

ATEJ I C 0 15 07 32.6 I 0 15 07 43.0
 ALOJ I D 0 15 07 34.7 I 0 15 07 46.0
 APHE I D 0 15 07 35.2 E 0 15 07 46.3
 ACHM I C 0 15 07 35.8 I 0 15 07 46.8
 EJIF E 0 15 07 36.5 E 0 15 07 50.0 0.02 0.3 30
 AAPN I D 0 15 07 36.7 I 0 15 07 49.4
 EPRU E 0 15 07 37.0 E 0 15 07 48.6
 ASMO I C 0 15 07 38.7 I 0 15 07 52.5
 ECOG E 0 15 07 39.2 E 0 15 07 53.0 0.02 0.3 30
 EHOR E 0 15 07 43.0 E 0 15 08 00.4 42
 EBAN I 0 15 07 46.6 E 0 15 08 06.5 0.01 2.2 50
 EVIA E 0 15 07 59.0 E 0 15 08 28.0 0.04 0.2 55

15 sep 16h 40m 10.8s 39°12'N 09°02'W
 rms ±0.7s mb 2.9 III-IV MONTEJUNTO.PORT

MTH I D 0 16 40 16.8 I 0 16 40 22.0
 LIS E 0 16 40 20.0 E 0 16 40 25.9
 MOE E 0 16 40 26.0 I 0 16 40 39.0
 MTE E 0 16 40 40.0 I 4 16 41 03.5
 MVO E 0 16 40 51.0 E 0 16 41 21.0
 EVAL E 0 16 40 50.2 E 0 16 41 20.7 0.02 0.3 60
 EPLA E 9 16 40 57.6 E 0 16 41 27.5 0.01 0.3 52
 VCB E 0 16 40 57.5 E 0 16 41 33.0
 EHOR E 0 16 41 39.9
 GUD E 0 16 41 59.2

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

16 sep 05h 07m 54.5s 43°06'N 00°14'W 2Km
 rms ±0.6s mb 2.9 III-IV ARTHEZ D'ASSON.FR

JAU I D 0 05 07 56.5 E 0 05 07 58.3
 OGE I D 0 05 07 58.2
 ESCF 0 05 07 58.8 E 0 05 08 02.5
 ATE 0 05 08 00.6 E 0 05 08 05.5
 EPF 0 05 08 02.2 0 05 08 08.8
 VIH 0 05 08 10.2 0 05 08 21.5
 SALF 0 05 08 14.1 0 05 08 29.9
 GRBF 0 05 08 18.9
 AVN 0 05 08 20.4 0 05 08 39.3
 ECRI E 0 05 08 25.5 E 0 05 08 49.0 0.01 0.3
 LPO 9 05 08 30.0 0 05 08 54.2
 LFF 9 05 08 31.7 0 05 08 57.6
 CAF 0 05 08 33.6
 EROQ E 9 05 08 37.5 E 0 05 09 06.6

16 sep 15h 44m 08.8s 38°01'N 01°51'W 4Km
 rms ±0.9s mb 2.8 CARAVACA LA CRUZ.MU

EVIA E 0 15 44 23.4 E 0 15 44 35.0 0.10 0.3 35
 ENIJ E 0 15 44 27.0 E 0 15 44 43.0 0.01 0.4 30
 ACU E 0 15 44 31.8 E 0 15 44 49.6 40
 VIV E 0 15 44 32.0 E 0 15 44 51.0
 EBAN E 0 15 44 35.5 E 0 15 44 55.2 0.01 0.3 60
 ECOG E 0 15 44 36.8 E 0 15 44 57.6 0.02 0.3 44
 AFC E 0 15 44 37.2 40
 ECHE E 0 15 44 39.2 42
 VCB E 0 15 44 53.0
 ETOR E 9 15 45 01.8 E 0 15 45 36.2 60

17 sep 00h 55m 10.2s 38°04'N 01°50'W 3Km
 rms ±0.9s mb 3.6 IV CARAVACA LA CRUZ.MU

EALH I C 0 00 55 16.2 E 0 00 55 21.8 140
 EVIA I D 0 00 55 24.5 E 0 00 55 35.8 270
 ENIJ I D 0 00 55 29.0 E 0 00 55 45.3 210
 ACU I D 0 00 55 32.9 E 0 00 55 47.3 0.18 0.4 150
 VIV I 0 00 55 34.5 E 0 00 55 52.5
 EBAN I C 0 00 55 36.8 E 0 00 55 56.3 220
 ECOG I C 0 00 55 38.5 E 0 00 55 58.2 200
 AFC I D 0 00 55 38.5 E 0 00 55 58.3 200
 ECHE I C 0 00 55 38.9 E 0 00 56 00.9 0.28 0.4 240
 ASMO I C 0 00 55 39.8 I 0 00 56 01.0
 CRT I C 0 00 55 40.2 I 0 00 56 01.5
 ACHM I C 0 00 55 42.9 I 4 00 56 08.0
 APHE I C 0 00 55 43.2 I 0 00 56 07.0
 AAPN I C 0 00 55 43.8 I 0 00 56 08.5
 ALOJ I C 0 00 55 45.0 I 0 00 56 11.0
 ATEJ I C 0 00 55 45.8 I 0 00 56 12.5
 TOL E 0 00 55 50.0 E 4 00 56 18.0 0.60 0.8 350
 MAL I C 0 00 55 51.5 I 4 00 56 26.5 0.43 0.5 104
 EHOR I C 0 00 55 52.3 E 0 00 56 25.8 0.18 0.3 195
 ETOR I C 0 00 55 54.9 0.14 0.4 300
 VCB I 0 00 55 55.5
 EPRU E 0 00 55 57.0 0.18 0.7 215
 GUD I C 0 00 55 59.3 E 0 00 56 35.7 300
 EPLA I C 0 00 56 08.5 0.18 0.4 240
 EVAL E 9 00 56 08.6 E 0 00 56 53.8 0.08 0.4 225
 ESEL E 0 00 56 12.1 150
 ECRI I C 0 00 56 20.8 0.08 0.3 275
 MVO E 0 00 56 25.0 E 0 00 57 23.0
 MTE E 0 00 56 25.5 E 4 00 57 19.5
 MOE E 0 00 56 26.0 I 4 00 57 23.0
 FAR 0 00 57 23.0
 IFR I 0 00 56 28.5 I 0 00 57 29.0

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

SALF	0	00	56	28.8					
LIS					E 4	00	57	35.1	
EPF	0	00	56	29.6				0.01	0.4
MLS	0	00	56	32.0					
GRBF	0	00	56	32.0					
COI	0	00	56	33.0	4	00	58	03.0	
MTH					0	00	57	41.0	
LESF	4	00	56	36.8					
LPO	0	00	56	53.0				0.01	0.4
LFF	0	00	56	55.1					
CAF	0	00	56	58.2					
RJF	0	00	57	01.0					
ERUA E	4	00	57	02.0	4	00	58	16.9	
PTO E	4	00	57	15.0	E 4	00	58	06.0	
EMON E	4	00	57	17.0	4	00	58	43.2	

21 sep 07h 55m 13.1s 42°59'N 00°10'W 3Km
rms ±0.7s mb 2.8 ARGELES.FR

JAU	0	07	55	14.9					
EPF	0	07	55	19.4	0	07	55	25.0	
ISSF	0	07	55	20.7					
MADF	0	07	55	23.0	0	07	55	29.4	
VIH	0	07	55	27.3	0	07	55	38.2	
SALF	0	07	55	31.5	0	07	55	45.4	
AVN	0	07	55	37.0					
ECRI E	0	07	55	44.5				0.01	0.3
LPO	9	07	55	48.0	0	07	56	13.8	
LFF	9	07	55	50.0	0	07	56	15.6	
ETOR E	0	07	55	55.7					
CAF	9	07	55	58.7	0	07	56	30.8	

22 sep 10h 51m 00.5s 38°20'N 08°11'W 8Km
rms ±0.5s mb 3.0 ALCACOVAS.PORT

MOE I D O	10	51	04.8	I 0	10	51	09.0		
LIS				I 4	10	51	22.7		
MTH I C O	10	51	18.0	E 0	10	51	31.5		
EVAL E	0	10	51	24.0	E 0	10	51	42.7	0.04 0.3 80
MTE E	0	10	51	35.5	I 4	10	51	58.2	
EPLA E	0	10	51	38.5	E 0	10	52	06.5	0.02 0.2 70
EHOR E	9	10	51	42.0	E 0	10	52	11.0	0.02 0.3 64
VCB E	9	10	51	43.5	E 0	10	52	13.0	
MVO E	4	10	51	50.0	E 4	10	52	19.0	
EZAM E	0	10	51	59.2					
EBAN				E 0	10	52	32.0		
ERUA I	0	10	52	03.1					
GUD				E 0	10	52	44.0		100
TOL E	4	10	52	11.0	E 4	10	52	47.0	70
AAPN				4	10	52	49.5		
ALOJ E	4	10	52	32.2	E 4	10	52	52.5	
ASMO E	4	10	52	35.0	E 4	10	52	57.0	
ATEJ				4	10	52	57.5		

23 sep 21h 40m 40.1s 37°44'N 07°17'W 6Km
rms ±0.6s mb 3.0 PAYMOGO.H

EVAL I C O	21	40	47.8	E 0	21	40	54.8	0.10	0.2 70
MOE E	0	21	41	02.0	I 0	21	41	16.4	
EHOR E	9	21	41	09.0	E 0	21	41	29.8	0.02 0.3 50
LIS				E 0	21	41	32.0		
VCB E	0	21	41	16.0	E 0	21	41	43.2	
EPLA E	0	21	41	21.0	E 0	21	41	50.5	0.01 0.3
MTE				4	21	42	06.0		
MVO E	0	21	41	31.5	I 0	21	42	11.5	

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

24 sep 05h 25m 52.6s 41°50'N 01°55'E 2Km
rms ±0.3s mb 2.9 SALLENT.B

FONT	0	05	25	59.7	0	05	26	05.5	
FBR	0	05	26	00.5	0	05	26	06.5	
SQD	0	05	26	01.2	0	05	26	08.0	
OLT	0	05	26	02.0	0	05	26	08.2	
ETER I D	0	05	26	08.0	E 0	05	26	19.0	0.04 0.3
AVN	0	05	26	08.6	0	05	26	20.4	
PERF	0	05	26	10.1					
SALF	0	05	26	12.2					
VIH	0	05	26	14.1	0	05	26	29.4	
MTHF	0	05	26	14.6					
MLS	0	05	26	16.5	0	05	26	32.0	
LESF	0	05	26	16.3					
EROQ E	0	05	26	20.0	E 0	05	26	40.0	

24 sep 08h 12m 05.4s 36°39'N 06°09'W
rms ±0.3s mb 2.6 JEREZ.CA

EJIF E	0	08	12	16.0	E 0	08	12	24.5	0.02 0.5 60
EVAL E	0	08	12	23.5	E 0	08	12	39.0	0.02 0.4 45
EPRU E	0	08	12	20.0	E 0	08	12	31.0	
EHOR E	9	08	12	29.6	E 0	08	12	47.6	0.03 0.6

24 sep 09h 45m 39.5s 36°40'N 06°10'W
rms ±0.6s mb 2.7 JEREZ.CA

CNIL I	0	09	45	44.0					
MOMI I	0	09	45	49.0					
EJIF E	0	09	45	50.0	E 0	09	45	59.0	0.03 0.5 60
EPRU I	0	09	45	54.0	E 0	09	46	05.8	0.03 0.7
OJEN I	0	09	45	55.0					
EVAL E	0	09	45	58.0	E 0	09	46	13.0	0.04 0.5 60
EHOR E	0	09	46	03.2	E 0	09	46	22.0	0.04 0.5 50

26 sep 06h 47m 26.3s 43°28'N 00°30'W 2Km
rms ±0.7s mb 3.0 III-IV ARTIX.FR

OGE C	0	06	47	31.6					
ESCF C	0	06	47	32.9					
MADF C	0	06	47	32.9	E 0	06	47	38.9	
ATE	0	06	47	33.2	E 0	06	47	39.2	
JAU C	0	06	47	34.1					
ISSF C	0	06	47	34.9					
EPF	0	06	47	40.9	E 0	06	47	52.2	
MLS	0	06	47	49.0	0	06	48	06.0	
LESF	0	06	47	51.3					
SALF	0	06	47	52.2					
GRBF	0	06	47	54.8					
ECRI E	0	06	47	57.0	E 0	06	48	19.0	0.05 0.3 95
LFF	9	06	47	59.8	E 0	06	48	21.9	
LPO	9	06	47	59.9	E 0	06	48	22.5	
ETOR E	0	06	48	13.0	E 0	06	48	47.6	0.01 0.3 100
EROQ E	9	06	48	17.0	E 0	06	48	50.0	0.01 0.3 95

27 sep 03h 31m 29.8s 35°24'N 01°36'E
rms ±0.9s mb 3.2 W. BENI SAF

ENIJ E	0	03	32	21.8	E 0	03	33	02.0	0.02 0.5 100
ACU E	0	03	32	24.0	E 0	03	33	03.0	100
ESEL E	0	03	32	36.6	E 0	03	33	28.6	90

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1990

I.G.N.

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

ECOG E 0 03 32 39.8
 ECHE E 0 03 32 40.0 E 0 03 33 33.0
 EVIA E 0 03 32 40.0 E 0 03 33 32.0 0.03 0.5 120
 EBAN E 0 03 32 48.2
 EROQ E 0 03 32 50.5 100
 IFR I 4 03 33 01.5 I 4 03 34 38.0
 GUD E 0 03 33 11.0

28 sep 02h 07m 59.0s 35°58'N 04°33'W 113Km
 rms ±0.9s mb 3.7 II-III E. ESTRECHO GIBRALTAR

MAL I 0 02 08 17.0 E 4 02 08 29.0 1.44 0.7 167
 OJEN I C 0 02 08 19.5
 ATEJ I C 0 02 08 19.5 I 4 02 08 33.8
 EJIF I D 0 02 08 20.2 E 0 02 08 33.4 270
 MOMI I C 0 02 08 21.0
 APHE I C 0 02 08 21.5 I 4 02 08 37.1
 EPRU I C 0 02 08 23.0 E 0 02 08 39.1 240
 ACHM I C 0 02 08 23.2 I 0 02 08 40.2
 EMEL I C 0 02 08 23.9 E 4 02 08 41.8 170
 AAPN I C 0 02 08 25.5 I 0 02 08 44.3
 CRT I C 0 02 08 26.6 I 0 02 08 45.0
 ASMO I C 0 02 08 27.4 I 0 02 08 47.8
 ECOG I D 0 02 08 27.5 E 0 02 08 47.8 230
 ALM I 0 02 08 30.0 E 0 02 08 53.0
 EHOR I C 0 02 08 31.6 E 0 02 08 54.8 0.27 0.3 200
 ENIJ I C 0 02 08 33.2 E 0 02 08 59.0 0.18 0.4 210
 TAF I 0 02 08 33.0 I 0 02 08 59.0
 EBAN I C 0 02 08 36.0 E 0 02 09 01.9 0.18 0.2 250
 EVAL I D 0 02 08 37.5 E 0 02 09 04.4 0.34 0.3 220
 IFR I 0 02 08 37.6 I 4 02 09 03.0
 RBA I 0 02 08 40.5 I 4 02 09 09.0
 EVIA E 0 02 08 47.1 E 0 02 09 21.8 220
 AVE I 0 02 08 51.5 I 4 02 09 30.0
 TOL E 0 02 08 57.4 E 4 02 09 50.0 0.22 1.1 225
 MOE E 0 02 08 58.2 I 0 02 09 41.5
 ACU E 0 02 09 01.2 150
 EPLA I C 0 02 09 02.9 E 0 02 09 48.9 0.16 0.4 200
 ECHE E 0 02 09 07.5 E 0 02 09 57.6 0.05 0.5 200
 LIS I C 0 02 09 07.6 I 0 02 09 55.9
 GUD I C 0 02 09 08.1 E 0 02 09 58.1 0.05 0.5 200
 MTH I C 0 02 09 09.0 I 0 02 09 59.0
 MTE E 0 02 09 12.0 E 0 02 10 06.5
 ETOR E 0 02 09 15.5 0.08 0.3 280
 COI 0 02 09 16.7
 MVO E 0 02 09 19.5 I 4 02 10 18.0
 TIO I 0 02 09 18.5 I 4 02 10 16.0
 PTO I D 0 02 09 27.9 I 0 02 10 31.5
 EROQ E 0 02 09 29.5 E 0 02 10 35.9 0.03 0.5 200
 ERUA I D 0 02 09 36.6 E 0 02 10 48.7 0.03 0.5
 ECRI E 0 02 09 38.5 E 0 02 10 49.7 0.05 0.4 220
 EZAM E 0 02 09 40.0 0 02 10 54.2
 AVN 0 02 09 43.2
 STS E 0 02 09 49.0 E 0 02 11 09.6
 EMON E 0 02 09 51.1 0 02 11 15.0 0.02 0.4
 VIH 0 02 09 52.8
 EPF 0 02 09 54.0 4 02 11 16.0 0.02 0.4
 OLT 4 02 10 05.7
 LPO 0 02 10 17.0 4 02 11 56.0 0.01 0.4
 LFF 0 02 10 19.2 4 02 11 58.0 0.01 0.4
 CAF 0 02 10 24.1 4 02 12 09.0 0.00 0.4
 RJF 4 02 10 25.0 4 02 12 12.0 0.00 0.4

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

28 sep 03h 51m 42.2s 37°08'N 04°12'W 3Km
 rms ±0.9s mb 2.9 LOJA.GR

ALOJ I D 0 03 51 42.9 E 4 03 51 47.4
 AAPN E D 0 03 51 44.2 I 0 03 51 48.5
 ATEJ I D 0 03 51 45.8 I 0 03 51 51.9
 ACHM I D 0 03 51 46.9 E 4 03 51 54.5
 MAL I 0 03 51 49.0 E 0 03 51 58.0 0.31 0.7 60
 ASMO E 0 03 51 49.2 E 0 03 51 57.5
 APHE I D 0 03 51 49.3 I 4 03 51 58.7
 CRT E 0 03 51 51.9 E 4 03 52 00.7
 ECOG E 0 03 51 51.9 E 0 03 52 00.4 0.05 0.4 120
 EPRU E 0 03 51 58.0 E 0 03 52 10.0 0.04 0.6 100
 EBAN I D 0 03 52 01.6 E 0 03 52 15.6 0.07 0.4 105
 EHOR I C 0 03 52 01.6 E 0 03 52 17.0 0.03 0.3 80
 EJIF E 0 03 52 05.0 E 0 03 52 21.6 0.06 0.5 100
 ENIJ E 9 03 52 12.0 E 0 03 52 33.4 95
 EVAL E 0 03 52 16.0 E 0 03 52 42.4 0.02 0.4 80
 EVIA E 0 03 52 16.6 E 0 03 52 40.4 0.05 0.6 90
 EPLA E 0 03 52 34.3 85
 ETOR E 0 03 52 44.0 105

28 sep 08h 05m 17.1s 43°06'N 00°37'W 5Km
 rms ±0.1s mb 2.6 ARETTE.FR

OGE C 0 08 05 19.7
 ATE 0 08 05 18.5
 ISSF C 0 08 05 20.0 E 0 08 05 22.4
 LHE C 0 08 05 20.4
 JAU C 0 08 05 20.8
 MADF 0 08 05 20.0
 ECRI E 9 08 05 44.5 E 0 08 06 04.0

29 sep 13h 38m 22.3s 42°29'N 00°59'E 2Km
 rms ±0.6s mb 3.0 VALL FOSCA.L

VIH D 0 13 38 26.3 0 13 38 27.7
 SALF 0 13 38 28.1 0 13 38 32.8
 MLS 0 13 38 31.0 0 13 38 37.5
 GRBF 0 13 38 32.3
 LESF 0 13 38 33.5
 AVN C 0 13 38 33.5 0 13 38 41.4
 EPF 0 13 38 35.6 0 13 38 45.6
 VDCF 0 13 38 40.9 0 13 38 54.3
 MTHF 0 13 38 44.8
 OLT 0 13 38 44.0 4 13 39 01.7
 FONT 0 13 38 45.7 0 13 39 02.3
 ETER E 0 13 38 49.5 E 0 13 39 07.0 0.03 0.3 60
 PERF 0 13 39 07.3
 EROQ E 0 13 38 53.0 E 0 13 39 15.0 0.03 0.3 50
 LPO 9 13 39 02.6 0 13 39 29.6

01 oct 01h 51m 50.3s 36°53'N 03°01'W 3Km
 rms ±0.9s mb 3.1 BERJA.AL

APHE I C 0 01 52 00.4 E 0 01 52 06.2
 AFC I D 0 01 52 00.9 E 0 01 52 08.0 110
 ECOG E 0 01 52 01.0 E 0 01 52 08.6 110
 CRT I 0 01 52 01.1 E 0 01 52 09.2
 ENIJ I C 0 01 52 01.2 E 0 01 52 11.0 110
 ACHM I C 0 01 52 03.2 E 0 01 52 12.7
 ATEJ I C 0 01 52 04.0 E 0 01 52 15.7
 ASMO I D 0 01 52 04.4 I 0 01 52 12.8
 ALOJ I C 0 01 52 06.3 I 0 01 52 18.7
 AAPN I C 0 01 52 08.7 E 0 01 52 21.5

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
MAL	I	D	0 01 52 09.0	I	0 01 52 26.5	0.23	0.3	93
EBAN	E	0	01 52 16.3	E	0 01 52 35.0	0.04	0.2	100
EVIA	E	0	01 52 23.1	E	0 01 52 44.0	0.13	0.4	90
EJIF	E	0	01 52 25.2			0.03	0.6	
EHOR	E	9	01 52 28.0	E	0 01 52 55.0	0.04	0.4	70
ECHE	E	0	01 52 41.6					80
EPLA	E	0	01 52 52.5					100
ETOR	E	0	01 52 53.2	E	0 01 53 36.2	0.02	0.5	120
GUD	E	9	01 53 04.6	E	0 01 53 50.0	0.01	0.4	100
MOE	E	4	01 53 52.0					
MVO				4	01 54 09.0			
MTE	E	4	01 54 02.5	4	01 54 29.5			

02 oct 00h 22m 44.3s 43°07'N 00°28'W 5Km
rms ±0.4s mb 2.5 ARUDY.FR

OGE	I	D	0 00 22 45.7					
ESCF	I	D	0 00 22 45.9	E	0 00 22 47.7			
JAU	I	C	0 00 22 46.1	E	0 00 22 48.1			
ATE	I	D	0 00 22 47.3	E	0 00 22 50.3			
EPF			0 00 22 55.0		0 00 23 03.8			
ECRI	E	9	00 23 14.3	E	0 00 23 36.0	0.00	0.3	
LPO		9	00 23 22.0		0 00 23 46.0			
LFF		9	00 23 22.8		0 00 23 48.0			
CAF		9	00 23 33.0		0 00 24 04.2			

02 oct 15h 30m 04.6s 38°06'N 00°15'W 9Km
rms ±0.9s mb 3.0 SE. ALICANTE

ACU	I	D	0 15 30 13.2	E	0 15 30 19.0	0.14	0.2	70
VIV	E	0	15 30 27.5	E	0 15 30 45.5			
ECHE	E	0	15 30 31.8	E	0 15 30 52.8	0.02	0.4	90
ENIJ	E	0	15 30 35.0					70
EVIA	E	0	15 30 35.0	E	0 15 30 58.0	0.02	0.3	90
EROQ	E	0	15 30 46.8	E	0 15 31 21.8			
EBAN	E	0	15 30 47.6	E	0 15 31 20.5			70
AFC	E	0	15 30 49.0					
ASMO	E	0	15 30 49.5	E	4 15 31 28.7			
ESEL	E	0	15 30 50.0					
APHE	E	0	15 30 52.0					
AAPN	E	0	15 30 53.1					
ALOJ	E	0	15 30 55.0	E	4 15 31 36.2			
ATEJ	E	4	15 30 56.5					
ETOR	E	9	15 31 05.0	E	0 15 31 42.5			
GUD				E	0 15 31 47.6			

02 oct 20h 45m 20.3s 43°32'N 00°34'W 3Km
rms ±0.8s mb 3.3 III ORTHEZ.FR

OGE	C	0	20 45 26.6					85
MADF	C	0	20 45 27.5	E	0 20 45 34.0			
ATE		0	20 45 28.0	E	0 20 45 34.7			
ESCF	D	0	20 45 28.1					
EPF		0	20 45 35.9	E	0 20 45 47.1			
MLS		0	20 45 44.0	4	20 46 00.0			
VIH		0	20 45 44.6					
SALF		0	20 45 45.9	4	20 46 09.3			
LESF		0	20 45 46.0					
GRBF		0	20 45 49.2					
LPO		0	20 45 49.6					
LFF		0	20 45 50.4					
ECRI	E	0	20 45 51.0	E	0 20 46 13.0	0.04	0.3	120
AVN		9	20 45 55.2		0 20 46 19.4			
RJF		0	20 45 58.2					

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
OLT		4	20 46 04.7					
ETOR	E	0	20 46 07.8	E	0 20 46 43.5	0.02	0.4	120
EROQ	E	9	20 46 12.0	E	0 20 46 47.0	0.04	0.3	100
ETER	E	9	20 46 18.6	E	0 20 46 53.8			65
GUD	E	0	20 46 21.0	E	0 20 47 05.0			110

03 oct 18h 02m 48.9s 43°04'N 00°23'W 3Km
rms ±0.6s mb 2.9 III CASTET.FR

JAU	D	0	18 02 49.5	E	0 18 02 50.6			51
OGE	C	0	18 02 51.0					51
ESCF		0	18 02 51.2	E	0 18 02 54.0			
LHE	C	0	18 02 52.9	E	0 18 02 56.4			51
ATE		0	18 02 53.1	E	0 18 02 56.8			
EPF		0	18 02 57.9		0 18 03 05.6			64
VIH		0	18 03 05.9		0 18 03 19.4			
SALF		0	18 03 10.0	E	0 18 03 27.8			
AVN		0	18 03 15.8		0 18 03 35.5			
ECRI	E	9	18 03 21.0	E	0 18 03 41.7	0.02	0.3	40
LPO		9	18 03 25.0		0 18 03 51.4			
LFF		9	18 03 26.4		0 18 03 53.4			
OLT		4	18 03 32.4					
CAF		4	18 03 35.6	4	18 04 10.0			
RJF		4	18 03 35.6	4	18 04 10.4			

06 oct 05h 18m 30.9s 42°51'N 07°30'W
rms ±0.6s mb 2.9 LANCARA.LU

ERUA	I	D	0 05 18 40.7	E	0 05 18 47.0	0.05	0.2	60
EMON	I	C	0 05 18 41.8	E	0 05 18 49.8			98
STS	E	0	05 18 46.2	E	0 05 18 56.3	0.09	0.3	63
EZAM	E	0	05 18 51.3	E	0 05 19 06.0	0.03	0.3	38
MVO	E	4	05 19 06.0	E	0 05 19 22.8			
MTE	E	4	05 19 14.5	E	4 05 19 47.0			
EPLA	E	9	05 19 27.2	E	0 05 20 04.0			60
GUD	E	9	05 19 32.6	E	0 05 20 12.6	0.00	0.4	75

07 oct 11h 05m 09.7s 39°29'N 03°50'W 4Km
rms ±0.8s mb 3.1 S. LOS YEBENES.TO

TOL	I	D	0 11 05 17.5	E	0 11 05 23.6	3.58	0.2	45
VCB	I	0	11 05 28.2	E	0 11 05 41.4			
GUD	I	D	0 11 05 31.0	E	0 11 05 46.8	0.06	0.2	135
EBAN	E	0	11 05 32.7	E	0 11 05 50.0	0.07	0.2	120
EVIA	E	0	11 05 33.6	E	0 11 05 51.0	0.14	0.2	80
EPLA	E	0	11 05 41.4	E	0 11 06 04.5	0.10	0.3	66
ETOR	E	0	11 05 41.5	E	0 11 06 05.2	0.03	0.3	115
EHOR	E	0	11 05 44.1	E	0 11 06 09.1	0.02	0.3	70
ECHE	E	0	11 05 45.9	E	0 11 06 11.9	0.04	0.4	70
ECOG				E	0 11 06 13.7	0.02	0.4	70
AFC	E	0	11 05 46.9	E	0 11 06 14.6			65
ASMO	E	9	11 05 49.5	E	0 11 06 15.0			
AAPN	E	9	11 05 49.7	E	0 11 06 17.0			
ALOJ	E	4	11 05 53.0					
APHE	E	9	11 05 55.0	E	0 11 06 25.7			
ATEJ	E	9	11 05 55.5	E	0 11 06 27.0			
MVO				E	0 11 06 30.0			
ECRI	E	0	11 06 02.3	E	0 11 06 39.3	0.03	0.3	95
MTE	E	9	11 06 03.0	E	0 11 06 38.0			

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

08 oct 08h 01m 01.9s 36°38'N 04°27'W 102Km
rms ±0.6s mb 3.0 S. MALAGA

ATEJ	I	C	0	08	01	16.4	I	0	08	01	27.5			
ALOJ	I	D	0	08	01	17.8	I	0	08	01	30.3			
APHE	E		0	08	01	18.7	E	0	08	01	31.0			
ACHM	I	D	0	08	01	18.9	I	0	08	01	31.9			
AAPN	I	C	0	08	01	19.7	I	0	08	01	33.2			
EJIF	E		0	08	01	20.0	E	0	08	01	35.5			28
ASMO	I	C	0	08	01	21.4	I	0	08	01	36.5			
ECOG	E		0	08	01	21.8	E	0	08	01	36.6	0.01	0.3	26
AFC	E		0	08	01	22.6	E	0	08	01	37.5			30
EHOR	E		0	08	01	25.9	E	0	08	01	43.8	0.02	0.3	34
EBAN	I	C	0	08	01	29.5	E	0	08	01	49.2	0.01	0.2	34
EVAL	E		0	08	01	35.6	E	0	08	01	59.0			
EVIA	E		0	08	01	41.7	E	0	08	02	10.4	0.03	0.2	42

09 oct 06h 33m 54.8s 43°33'N 00°40'W 3Km
rms ±0.9s mb 2.6 ORTHEZ.FR

OGE			0	06	34	01.8								47
MADF			0	06	34	02.3	E	0	06	34	08.5			
ESCF			0	06	34	02.9								36
ATE			0	06	34	03.0	E	0	06	34	09.7			
EPF			0	06	34	11.1					0.02	0.2		95
VIH			0	06	34	21.1								
ECRI	E		0	06	34	25.0	E	0	06	34	45.0	0.00	0.3	50
LPO			9	06	34	27.3					0.06	34	51.1	
LFF			9	06	34	28.8					0.00	0.2		
AVN			9	06	34	31.4					0.06	34	58.1	
RJF			0	06	34	33.0								
CAF			0	06	34	34.1								

10 oct 08h 21m 44.3s 36°38'N 04°45'W 63Km
rms ±0.2s mb 2.5 COIN.MA

EPRU	E		0	08	21	56.2	E	4	08	22	07.0			26
ECOG	E		0	08	22	04.0	E	0	08	22	18.3	0.01	0.3	25
AFC	E		0	08	22	04.2	E	0	08	22	18.8			25
EHOR	E		0	08	22	05.2	E	0	08	22	21.4	0.02	0.3	24
EBAN							E	0	08	22	31.6			

11 oct 08h 28m 45.9s 37°06'N 03°32'W
rms ±0.5s mb 2.8 ZUBIA.GR

AFC	I	C	0	08	28	48.8	E	0	08	28	50.6	0.12	0.2	22
CRT	I	C	0	08	28	48.2	I	0	08	28	49.8			
ECOG	I	C	0	08	28	49.2	E	0	08	28	51.0	0.15	0.2	32
APHE	I	C	0	08	28	49.8	I	0	08	28	52.0			
ACHM	I	C	0	08	28	50.1	I	0	08	28	53.0			
ASMO	I	C	0	08	28	51.8	I	0	08	28	56.2			
ATEJ	I	C	0	08	28	53.3	I	0	08	28	59.7			
ALOJ	I	C	0	08	28	53.7	I	0	08	29	00.9			
AAPN	E		0	08	28	56.0	I	0	08	29	02.5			
EBAN	E		0	08	29	07.6					0.01	0.3		
EVIA	E		9	08	29	19.0	E	0	08	29	42.8			35

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

11 oct 10h 20m 46.0s 36°47'N 03°02'W 3Km
rms ±0.4s mb 2.8 ADRA.AL

APHE	I	D	0	10	20	56.0	I	0	10	21	03.7			
AFC	I	D	0	10	20	57.0	E	0	10	21	04.6	0.03	0.3	25
ECOG	I	C	0	10	20	57.6	E	0	10	21	06.6	0.03	0.3	33
ENIJ	E		0	10	20	58.3	E	0	10	21	08.2	0.08	0.3	35
ACHM	I	D	0	10	20	59.0	I	0	10	21	09.1			
ATEJ	I	C	0	10	21	00.3	I	0	10	21	11.0			
ASMO	I	C	0	10	21	00.8	E	0	10	21	12.6			
ALOJ	E		0	10	21	03.3	I	0	10	21	15.4			
AAPN	I	C	0	10	21	05.3	I	0	10	21	18.0			
EBAN	E		0	10	21	13.1	E	0	10	21	32.0	0.01	0.4	

11 oct 21h 06m 28.5s 39°29'N 03°51'W 9Km
rms ±0.4s mb 2.5 S. LOS YEBENES.TO

TOL	E		0	21	06	36.5	E	0	21	06	41.3			35
VCB	E		0	21	06	47.0	E	0	21	07	01.0			
GUD	E		0	21	06	50.0	E	0	21	07	05.5	0.00	0.3	28
EVIA	E		0	21	06	52.6	E	0	21	07	10.0	0.02	0.3	26
EBAN	E		0	21	06	51.6	E	0	21	07	08.0	0.00	0.2	25

12 oct 00h 24m 10.6s 39°28'N 03°52'W 9Km
rms ±0.5s mb 2.4 S. LOS YEBENES.TO

TOL	E		0	00	24	20.0	E	0	00	24	24.0			
VCB	E		0	00	24	28.2	E	0	00	24	43.0			
GUD	E		0	00	24	31.8	E	0	00	24	47.8			
EBAN	E		0	00	24	33.0	E	0	00	24	50.8	0.00	0.3	
EVIA	E		0	00	24	34.7	E	0	00	24	52.0	0.00	0.3	

13 oct 06h 49m 52.9s 43°17'N 00°23'W
rms ±0.6s mb 2.6 PAU.FR

OGE			0	06	49	54.6								
JAU			0	06	49	56.5								
ESCF			0	06	49	56.7								
ATE			0	06	49	58.8								
EPF			0	06	50	03.2								
AVN			0	06	50	22.6								
ECRI	E		9	06	50	25.0	E	0	06	50	46.9	0.01	0.4	
LPO			9	06	50	25.0								
LFF			9	06	50	26.8								
RJF			9	06	50	35.6								

14 oct 16h 02m 50.7s 37°01'N 03°41'W 2Km
rms ±0.6s mb 2.8 PADUL.GR

APHE	I	C	0	16	02	52.1	I	0	16	02	53.7			
ACHM	I	C	0	16	02	53.1	I	0	16	02	55.7			
CRT	I	C	0	16	02	54.1	I	0	16	02	57.3			
ATEJ	I	C	0	16	02	55.2	I	0	16	03	00.0			
AFC	I		0	16	02	55.2	E	0	16	02	58.8	0.16	0.3	52
ECOG	I	C	0	16	02	55.4	E	0	16	02	59.0			60
ALOJ	I	C	0	16	02	56.2	I	0	16	03	01.6			
ASMO	E		0	16	02	56.4	I	0	16	03	01.6			
AAPN	E	D	0	16	02	58.3	I	0	16	03	04.8			
EBAN	E		0	16	03	12.0	E	0	16	03	27.4	0.03	0.4	65

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ENIJ	I	D	0 16 03 12.2	E 0	16 03 28.0	0.01	0.4	47
EHOR	E		0 16 03 18.6	E 0	16 03 37.7			
EVIA	E		0 16 03 23.0	E 0	16 03 48.0	0.02	0.4	60
TOL	E		4 16 04 12.0	E 4	16 04 21.0			50

14 oct 19h 53m 50.2s 43°06'N 00°13'W 2Km
rms ±0.6s mb 2.6 ARTHEZ-D'ASSON.FR

JAU	0	19 53 51.7	E 0	19 53 54.8				
OGE	0	19 53 53.7						
ATE			E 0	19 54 01.8				
ISSF	0	19 53 57.5	E 0	19 54 03.4				
AVN	0	19 54 15.9	0	19 54 35.6				
EPF	0	19 53 57.4	0	19 54 03.6				
ECRI	E	9 19 54 22.5	E 0	19 54 46.0	0.00	0.3		
LPO	9	19 54 25.4	0	19 54 50.8				
LFF	9	19 54 27.8	0	19 54 53.2				
CAF	4	19 54 35.2	4	19 55 08.0				

16 oct 00h 25m 27.0s 37°03'N 05°31'W
rms ±0.5s mb 2.3 MONTELLANO.SE

EPRU	E	0 00 25 29.9	E 0	00 25 34.0	0.04	0.5	27
EJIF	E	0 00 25 38.0	E 0	00 25 46.7	0.02	0.4	34
ALOJ	I	D 0 00 25 47.5	E 0	00 26 03.5			
AAPN	I	0 00 25 47.5	E 0	00 26 03.5			
ATEJ	I	0 00 25 48.7	E 0	00 26 06.0			
ASMO	E	0 00 25 52.4					
APHE	E	0 00 25 53.5					
EBAN	E	0 00 25 57.5	E 0	00 26 20.6	0.00	0.3	35

16 oct 14h 25m 30.7s 43°04'N 00°01'E 3Km
rms ±0.6s mb 3.6 IV LOURDES.FR

EPF	0	14 25 35.2	E 0	14 25 39.0				
JAU	D	0 14 25 35.6	E 0	14 25 39.9				
OGE	D	0 14 25 37.4						
ESCF	D	0 14 25 38.1	E 0	14 25 44.2				
LHE	C	0 14 25 39.4	E 0	14 25 45.6				
ATE	C	0 14 25 39.9	E 0	14 25 47.3				
VIH	C	0 14 25 43.5	0	14 25 52.7				
LESF	0	14 25 47.1	4	14 26 02.7				
SALF	0	14 25 47.7	0	14 25 59.9				
GRBF	0	14 25 51.6	0	14 26 08.3				
AVN	0	14 25 54.6						
LPO	0	14 26 01.0						
LFF	0	14 26 03.0						
ECRI	I	D 0 14 26 04.6	E 0	14 26 28.6			175	
CAF	0	14 26 08.5						
ETER	I	C 4 14 26 09.9	E 0	14 26 33.5	0.23	0.3	130	
EROQ	E	9 14 26 11.4	E 0	14 26 38.4			160	
ETOR	E	0 14 26 15.0	E 0	14 26 46.0	0.09	0.3	190	
ECHE	E	0 14 26 25.9	E 0	14 27 06.0	0.08	0.4	155	
ESEL	E	0 14 26 31.4	E 0	14 27 15.4	0.02	0.3	155	
GUD	E	0 14 26 31.7	E 0	14 27 16.7	0.03	0.4	175	
EVIA	E	0 14 26 42.8			0.03	0.5	155	
TOL			E 0	14 27 28.0			120	
ERUA	E	0 14 26 50.6	E 0	14 27 49.5				
EPLA	E	0 14 26 51.9	E 0	14 27 51.5			135	
EBAN	E	0 14 26 55.1	E 0	14 27 56.5	0.01	0.4	150	

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

16 oct 21h 07m 41.6s 43°04'N 00°00'E 2Km
rms ±0.5s mb 3.0 III LOURDES.FR

EPF	0	21 07 46.0	E 0	21 07 49.6				
ESCF			E 0	21 07 54.9				
JAU	0	21 07 46.7						
OGE	0	21 07 48.2						
LHE	0	21 07 50.0						
ATE	0	21 07 51.2	E 0	21 07 58.0				
VIH	0	21 07 54.1	0	21 08 03.5				
MLS	0	21 07 57.0						
SALF	0	21 07 57.8	0	21 08 10.6				
LESF	0	21 07 58.7	0	21 08 12.9				
GRBF	0	21 08 02.8						
AVN	0	21 08 05.2						
LPO	9	21 08 15.5	E 0	21 08 39.1				
LFF	0	21 08 14.1						
ECRI	E	0 21 08 15.0	E 0	21 08 39.0	0.03	0.3	95	
OLT	9	21 08 18.0	0	21 08 44.5				
CAF	0	21 08 19.5						
FONT	0	21 08 19.8						
EROQ	E	9 21 08 25.3	E 0	21 08 53.5	0.03	0.3	63	
ETER	E	9 21 08 25.4	E 0	21 08 53.6	0.02	0.4	40	
ETOR	E	0 21 08 25.6	E 0	21 08 58.0	0.01	0.4	75	

17 oct 21h 12m 31.3s 43°05'N 00°40'W 12Km
rms ±0.3s mb 2.4 ARETTE.FR

ATE	D	0 21 12 33.1	E 0	21 12 34.8				
ESCF	0	21 12 33.4					35	
MADF	0	21 12 34.9	E 0	21 12 36.3				
ISSF	C	0 21 12 34.1	E 0	21 12 36.7				
OGE	0	21 12 34.7	E 0	21 12 37.9				
ECRI	E	9 21 12 58.6	E 0	21 13 16.5	0.00	0.3	27	

17 oct 22h 06m 49.7s 36°58'N 02°10'W 2Km
rms ±0.7s mb 2.7 NIJAR.AL

ENIJ	I	D 0 22 06 50.4	E 0	22 06 52.2			38
ALM	0	22 06 53.1	0	22 06 58.1			
AFC	E	0 22 07 09.9	E 0	22 07 25.4	0.01	0.3	70
ECOG	E	0 22 07 11.2	E 0	22 07 26.4	0.01	0.3	40
ACHM	E	0 22 07 14.0	I 0	22 07 33.4			
ASMO	I	C 0 22 07 14.1	I 4	22 07 34.7			
ATEJ	I	C 0 22 07 15.8	I 0	22 07 35.5			
ALOJ	I	C 0 22 07 17.4	E 0	22 07 38.7			
EVIA	E	0 22 07 18.2	E 0	22 07 41.0	0.03	0.4	55
AAPN	E	0 22 07 19.0	I 4	22 07 41.0			
EBAN	E	9 22 07 22.4	E 0	22 07 44.9	0.01	0.4	45

18 oct 01h 19m 53.1s 42°23'N 01°26'E 2Km
rms ±0.5s mb 3.2 II-III SEO DE URGEL.L

SALF	0	01 20 00.7	0	01 20 06.5			
GRBF	0	01 20 01.9	0	01 20 08.4			
VIH	C	0 01 20 02.9	0	01 20 10.0			
MLS	0	01 20 04.5	0	01 20 13.0			
LESF	0	01 20 05.4					
AVN	C	0 01 20 06.2	0	01 20 15.5			
VDCF	0	01 20 06.2					
OLT	0	01 20 07.5	4	01 20 23.0			
SQD	0	01 20 09.4	0	01 20 22.8			
FONT	0	01 20 10.7	0	01 20 24.0			
MTHF	0	01 20 11.0					
EPF	0	01 20 11.6					

EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR	
ETER	I	C	0	01 20	12.4	E	0	01 20	27.0	0.09	0.2	98
PERF			0	01 20	12.5							
FBR			0	01 20	13.2		0	01 20	27.3			
EROQ	I	C	0	01 20	24.6	E	0	01 20	45.5	0.17	0.3	105
LPO			0	01 20	31.6							
CAF			0	01 20	34.6							
LFF			0	01 20	35.4							
ESEL	E		0	01 20	38.0	E	0	01 21	11.4			80
ECRI	E		0	01 20	40.2	E	0	01 21	16.0	0.04	0.3	120
ETOR	E		0	01 20	41.9	E	0	01 21	18.7	0.02	0.3	115
ECHE	E		0	01 20	45.9							90
GUD	E		0	01 21	02.0	E	0	01 21	52.8	0.00	0.3	110

22 oct 01h 12m 42.4s 42°14'N 02°38'W 17Km
rms ±0.8s mb 3.0 TIERRA DE CAMEROS.LO

ECRI	I	C	0	01 12	50.0	E	0	01 12	55.5	0.07	0.2	100
ETOR	E		0	01 13	06.5	E	0	01 13	24.8	0.04	0.3	75
GUD	E		0	01 13	14.0	E	0	01 13	38.0	0.02	0.3	66
EPF			0	01 13	19.6		0	01 13	47.8	0.00	0.3	
AVN			0	01 13	22.5		0	01 13	51.7			
EROQ	E		9	01 13	31.6	E	0	01 14	01.8	0.01	0.3	70
LPO			0	01 13	38.0		0	01 14	20.5			
RJF			0	01 13	45.0		4	01 14	31.0			
CAF			0	01 13	46.2		0	01 14	34.2			
MAF			0	01 14	01.0		4	01 14	59.4			

25 oct 01h 37m 18.1s 35°10'N 03°58'W 10Km
rms ±0.9s mb 3.2 AL HOCEIMA.MAC

EMEL	I	D	0	01 37	33.0	E	0	01 37	44.6			120
TAF	I		0	01 37	42.0	I	4	01 38	02.0			130
MAL	E		0	01 37	45.0	I	0	01 38	04.0	0.12	0.5	104
ATEJ	E		0	01 37	46.1	I	0	01 38	08.0			
EJIF	E		0	01 37	46.4	E	0	01 38	09.0	0.06	0.5	125
APHE	I	D	0	01 37	46.9	I	4	01 38	08.3			
ACHM	I	C	0	01 37	48.8	I	0	01 38	13.1			
IFR	I		0	01 37	49.0	I	0	01 38	13.0			270
ALOJ	I	D	0	01 37	50.4	I	0	01 38	14.5			
OJEN	E		4	01 37	50.0							
CRT						E	0	01 38	15.3			
AFC	E		0	01 37	53.3	E	0	01 38	19.0	0.03	0.5	110
ECOG	E		0	01 37	53.5	E	0	01 38	20.0	0.03	0.5	110
AAPN	I	C	0	01 37	54.0	I	0	01 38	20.0			
ASMO	E		0	01 37	54.5	I	0	01 38	19.5			
ENIJ	E		0	01 37	54.5	E	0	01 38	21.4	0.03	0.4	110
MOMI	E		4	01 37	55.5							
EHOR	E		0	01 38	04.0					0.02	0.4	80
EBAN						E	0	01 38	38.8	0.02	0.4	110
AVE	E		0	01 38	10.0	I	4	01 38	42.0			220
EVAL						E	0	01 38	48.1			120
TOL	E		0	01 38	29.5	E	0	01 39	21.5	3.50	0.6	140
TIO	I		0	01 38	32.7	I	4	01 39	22.9			210
GUD	E		0	01 38	39.5	E	0	01 39	40.0			120

25 oct 09h 55m 31.5s 36°23'N 02°51'W 10Km
rms ±0.8s mb 2.7 ALBORAN

ENIJ	E		0	09 55	45.5	E	0	09 55	56.0	0.03	0.3	42
APHE	E		0	09 55	47.6	I	0	09 55	59.8			
ATEJ	E		0	09 55	49.5	I	4	09 56	02.5			
AFC	E		0	09 55	51.0	E	0	09 56	03.8			30
ECOG	E		0	09 55	51.9	E	0	09 56	05.0	0.01	0.3	25

EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR	
ALOJ	E		0	09 55	52.7	E	0	09 56	09.0			
ASMO	E		0	09 55	54.7	I	4	09 56	12.8			
AAPN						I	0	09 56	14.2			
EVIA						E	0	09 56	35.0			45

25 oct 11h 27m 58.0s 36°14'N 05°54'W 5Km
rms ±0.4s mb 2.8 BARBATE.CA

CNIL	I		0	11 28	01.0							
PLAT	I		0	11 28	01.0							
ALJ	I		4	11 28	04.0							
EJIF	E		0	11 28	05.0	E	0	11 28	11.2	0.17	0.5	75
OJEN	I		4	11 28	06.5							
GIBL	I		0	11 28	09.5							
EPRU	E		0	11 28	14.9					0.04	0.7	60
EVAL	E		0	11 28	25.0	E	0	11 28	43.6			44
EHOR	E		0	11 28	26.5							45

25 oct 19h 03m 06.6s 42°48'N 02°33'E 3Km
rms ±0.3s mb 2.6 ST.PAUL FENOUILLET.FR

MTHF			0	19 03	09.0		0	19 03	11.3			
VDCF			0	19 03	11.6							
ETER						E	0	19 03	24.0	0.02	0.2	
PERF			0	19 03	13.6							
OLT			0	19 03	18.9		0	19 03	28.1			
GRBF			0	19 03	20.2							
SQD			0	19 03	21.7							
SALF			0	19 03	24.8		0	19 03	38.4			
FONT			0	19 03	25.7		0	19 03	39.8			
VIH			0	19 03	30.9							
AVN			9	19 03	37.0		0	19 03	58.8			
EPF			9	19 03	36.4		0	19 03	57.2			
MRB			4	19 03	38.1		4	19 03	53.5			
LPO			9	19 03	45.6		0	19 04	12.6			

26 oct 08h 56m 54.3s 42°32'N 01°00'E 3Km
rms ±0.4s mb 2.7 VALL DE BOI.L

VIH	C	0	08 56	58.1		0	08 57	01.1				
SALF			0	08 56	59.0		0	08 57	02.8			
MLS			0	08 57	02.0		0	08 57	07.0			
GRBF			0	08 57	03.1		0	08 57	09.7			
LESF			0	08 57	04.1		0	08 57	11.5			
AVN	D	0	08 57	06.3		4	08 57	13.2				
EPF			0	08 57	06.8		0	08 57	16.0			
OLT	D	0	08 57	15.5		0	08 57	31.6				
FONT			0	08 57	18.0		0	08 57	35.0			
MRB			4	08 57	18.7		4	08 57	33.5			
ETER	I	D	0	08 57	20.0	E	0	08 57	39.0	0.01	0.3	30
LPO			4	08 57	32.0		4	08 58	00.6			
LFF			4	08 57	35.5		4	08 58	08.0			
CAF			4	08 57	37.2		4	08 58	10.1			

26 oct 15h 11m 45.8s 43°10'N 01°09'W 12Km
rms ±0.3s mb 2.1 ST.JEAN-LE-VIEUX.FR

BOH			0	15 11	48.8							
ATE			0	15 11	52.0	E	0	15 11	57.4			
MADF			0	15 11	50.5	E	0	15 11	55.0			
ISSF			0	15 11	51.0	E	0	15 11	56.1			
ESCF						E	0	15 11	59.7			
ECRI	E		0	15 12	06.7	E	0	15 12	21.5	0.02	0.3	

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

27 oct 06h 45m 04.0s 36°54'N 03°00'W

rms ±0.5s mb 2.4 BERJA.AL

APHE	I	C	0	06	45	13.9	I	0	06	45	22.8			
AFC	E	0	06	45	14.8	E	0	06	45	22.0	0.01	0.3	22	
ECOG	I	C	0	06	45	15.4	E	0	06	45	22.5	0.01	0.3	20
ENIJ	I	D	0	06	45	15.4	E	0	06	45	24.5	0.02	0.2	27
ACHM	E	0	06	45	16.8									
ATEJ	I	C	0	06	45	18.0	I	0	06	45	30.2			
ASMO	I	C	0	06	45	18.7								
ALOJ	E	0	06	45	20.3									

27 oct 23h 59m 27.7s 41°22'N 04°14'E

rms ±0.9s mb 2.9 E. BARCELONA

ETER	E	0	23	59	49.7	E	0	00	00	05.0	0.01	0.2	40
OLT	0	23	59	51.2									
ESEL	E	0	23	59	58.0	E	0	00	00	18.0			45
MRB	4	23	59	59.3									
LMR	0	23	60	07.4	E	0	23	60	34.6				
LRG	0	23	60	08.0	E	0	23	60	35.6				
AVN	0	23	60	08.0									
FRF	0	23	60	10.6	E	0	23	60	40.7				
EROQ	E	0	23	60	10.8								
EPF	0	23	60	18.6	0	23	60	55.3					
VIH	0	23	60	11.8	0	23	60	42.7					

28 oct 07h 33m 43.7s 37°03'N 03°58'W

rms ±0.5s mb 2.4 ALHAMA DE GRANADA.GR

ALOJ	I	D	0	07	33	45.2	I	0	07	33	47.7			
ATEJ	I	C	0	07	33	46.0	I	0	07	33	48.8			
APHE	I	C	0	07	33	47.8	I	0	07	33	52.3			
AAPN	I	C	0	07	33	48.5	I	0	07	33	53.1			
ASMO	I	C	0	07	33	49.7	I	0	07	33	55.2			
AFC	E	0	07	33	50.2	E	0	07	33	56.6	0.02	0.3	31	
ECOG	I	C	0	07	33	50.4	E	0	07	33	56.6	0.03	0.3	32
EBAN	E	0	07	34	05.4	E	0	07	34	20.2	0.00	0.2	36	

28 oct 13h 49m 39.9s 36°53'N 04°00'W 66Km
rms ±0.6s mb 2.7 SIERRA DE ALMIJARA.MA

ATEJ	I	D	0	13	49	49.1	I	0	13	49	55.9			
ACHM	I	C	0	13	49	50.1	I	0	13	49	57.6			
APHE	I	C	0	13	49	50.2	E	0	13	49	57.7			
ALOJ	I	C	0	13	49	50.2	I	0	13	49	57.7			
MAL							I	0	13	49	58.3			
AAPN	I	C	0	13	49	52.0	E	0	13	50	01.0			
AFC	I	C	0	13	49	52.1	E	0	13	49	59.8	0.01	0.3	25
ASMO	I	C	0	13	49	52.5	I	0	13	50	02.3			
ECOG	I	0	13	49	52.8	E	0	13	50	00.2	0.02	0.3	28	
EBAN	E	0	13	50	01.2	E	0	13	50	16.4	0.00	0.2	40	
EHOR	E	0	13	50	02.0	E	0	13	50	18.5				
EVIA	E	0	13	50	13.0	E	0	13	50	36.5	0.02	0.2		
EVAL							E	0	13	50	41.0			
VCB	E	0	13	50	17.8	E	0	13	50	45.2				

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

31 oct 05h 11m 16.5s 42°50'N 07°29'W

rms ±0.3s mb 2.7 LANCARA.LU

ERUA	I	D	0	05	11	25.6	0	05	11	32.2	0.02	0.3	
EMON	E	0	05	11	28.2	E	0	05	11	36.0	0.04	0.2	
STS	E	0	05	11	31.0	0	05	11	41.0	0.02	0.3		
EZAM	E	0	05	11	37.3	0	05	11	52.7				

31 oct 06h 46m 47.6s 43°28'N 00°32'W 4Km

rms ±0.8s mb 3.4 III ORTHEZ.FR

OGE	C	0	06	46	52.7									
ESCF	C	0	06	46	53.8									
MADF	C	0	06	46	54.1	E	0	06	47	00.1				
ATE	C	0	06	46	54.3	E	0	06	47	00.6				
JAU	C	0	06	46	55.2	E	0	06	47	03.9				
EPF	0	06	47	02.1	0	06	47	13.2					85	
LFF	0	06	47	17.5							0.37	0.4		
LPO	0	06	47	18.0							0.32	0.4		
RJF	0	06	47	25.5							0.21	0.4		
CAF	0	06	47	26.0							0.13	0.3		
MLS	0	06	47	10.3	0	06	47	27.3						
VIH	0	06	47	10.7	4	06	47	25.5						
LESF	0	06	47	13.4	4	06	47	33.8						
GRBF	0	06	47	16.1	0	06	47	36.4						
ECRI	I	C	0	06	47	18.0	E	0	06	47	38.6		175	
AVN	9	06	47	21.7	0	06	47	46.9						
MTHF	0	06	47	25.3	0	06	47	52.2						
OLT	4	06	47	31.7	0	06	47	59.3						
ETER	E	0	06	47	32.3	E	0	06	48	05.6	0.06	0.4	130	
ETOR	E	0	06	47	34.2	E	0	06	48	07.7	0.07	0.4	185	
ECH	E	0	06	47	47.0	E	0	06	48	32.4	0.04	0.5	140	
GUD	I	D	0	06	47	47.9	E	0	06	48	32.3	0.04	0.6	170
ESEL	E	0	06	47	56.0	E	0	06	48	46.6			105	
EMON	E	0	06	48	01.8	E	0	06	48	56.1				
ERUA	E	0	06	48	02.2									
EVIA	E	0	06	48	02.8						0.04	0.5	160	
EPLA	E	0	06	48	06.7	E	0	06	49	05.7	0.02	0.4	140	
EBAN	E	0	06	48	14.0	E	0	06	49	18.3			160	
TOL	E	4	06	48	16.0	I	4	06	49	13.5	0.07	1.2	160	

31 oct 19h 30m 37.5s 43°02'N 00°03'E

rms ±0.8s mb 2.8 LOURDES.FR

EPF	0	19	30	40.9	0	19	30	44.6					
VIH	0	19	30	49.1	0	19	30	58.3					
MLS					0	19	31	02.8					
GRBF	0	19	30	57.6	0	19	31	13.5					
AVN	0	19	31	00.2	0	19	31	19.3					
LPO	9	19	31	10.7	0	19	31	33.3					
ECRI	E	9	19	31	11.2	E	0	19	31	35.5	0.01	0.3	50
LFF	9	19	31	12.9	0	19	31	37.0	0.00	0.3	218		
FONT	4	19	31	15.9	4	19	31	44.7					
MRB	9	19	31	17.6	0	19	31	40.8					
CAF	9	19	31	20.9	0	19	31	51.4					

01 nov 03h 16m 42.5s 36°21'N 09°12'W 25Km
rms ±0.7s mb 3.5 S. CABO SAN VICENTE

FAR	E	0	03	17	04.0	I	4	03	17	20.0			
FIG	I	0	03	17	05.7	I	0	03	17	23.0			
EVAL	E	0	03	17	17.6	E	0	03	17	45.0	0.22	0.2	160
LIS	E	0	03	17	20.0	I	0	03	17	46.9			
MTH	E	0	03	17	22.0	I	0	03	17	51.0			
EJIF	E	0	03	17	28.0	E	0	03	18	02.0	0.04	0.3	150

BOLETÍN DE SISMOS PRÓXIMOS AÑO 1990

I.G.N.

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EPRU	E	0	03 17 31.3	E 0	03 18 08.0			140
AVE	I	0	03 17 32.5	E 4	03 18 06.5			210
EHOR	E	0	03 17 33.8	E 0	03 18 12.6	0.05	0.3	155
COI	E	0	03 17 41.0	I 0	03 18 23.3			
ATEJ	I C	0	03 17 44.2	E 0	03 18 30.0			
ALOJ	E	0	03 17 44.5	E 0	03 18 30.0			
MTE	E	0	03 17 44.5	I 0	03 18 31.5			
AAPN	E	0	03 17 45.0	E 0	03 18 30.7			
VCB	I	0	03 17 45.5	E 0	03 18 32.2			
IFR	I	0	03 17 45.5	I 4	03 18 30.5			175
EPLA	E	0	03 17 46.8	E 0	03 18 36.2	0.04	0.3	160
ACHM	E	0	03 17 47.0					
APHE	I	0	03 17 48.3	E 0	03 18 37.5			
ASMO	E	0	03 17 49.5	E 0	03 18 38.0			
EBAN	E	0	03 17 49.9	E 0	03 18 41.0			130
AFC	E	0	03 17 50.7	E 0	03 18 41.4	0.02	0.3	120
PTO	I D	0	03 17 53.0	I 4	03 18 42.0			
MVO	E	0	03 17 56.0	E 0	03 18 52.0			
TIO	I	0	03 18 03.8	I 4	03 19 02.5			200
ENIJ	E	0	03 18 03.8					100
EVIA	E	0	03 18 05.2	E 0	03 19 08.8	0.03	0.3	180
GUD	E	0	03 18 05.9	E 0	03 19 09.5	0.01	0.3	190
EZAM	E	0	03 18 06.9	E 0	03 19 09.0			115
ERUA	E	0	03 18 12.1	E 0	03 19 19.8			
STS	E	0	03 18 16.8					
ETOR	E	0	03 18 24.9	E 0	03 19 42.5			200
EMON	E	0	03 18 25.9	E 0	03 19 43.8			
TOL	E	4	03 18 56.5	I 4	03 19 34.0	0.05	0.7	110

01 nov 06h 26m 50.2s 37°17'N 02°01'W 19Km
rms ±0.5s mb 2.7 W. VERA.AL

ENIJ	I C	0	06 26 56.7	E 0	06 27 02.0	0.06	0.2	60
EALH	E	0	06 27 04.5	E 0	06 27 14.0			
AFC	E	0	06 27 09.6					35
APHE	I	0	06 27 12.7					
ASMO	I	0	06 27 13.2	I 4	06 27 33.7			
EVIA	E	0	06 27 13.6	E 0	06 27 31.0	0.06	0.3	70
ACHM	E	0	06 27 14.2					
EBAN	E	0	06 27 17.0	E 0	06 27 37.5			35
ATEJ	I	0	06 27 17.0	E 4	06 27 40.5			
ALOJ	E	0	06 27 18.3	E 4	06 27 42.0			
AAPN	I	0	06 27 18.5	I 4	06 27 42.0			

02 nov 21h 25m 27.0s 43°08'N 00°31'W 2Km
rms ±0.6s mb 3.7 IV ARUDY.FR

ATE	D	0	21 25 29.3	E 0	21 25 31.2			
JAU	C	0	21 25 29.8	E 0	21 25 32.2			
LHE	C	0	21 25 30.4					
MADF	C	0	21 25 31.1	E 0	21 25 34.5			
BOH	C	0	21 25 33.5					
EPF	0	21 25 38.8	E 0	21 25 46.2				
VIH	0	21 25 46.0						215
AVN	D	0	21 25 55.2	0	21 26 16.0			210
ECRI	I C	0	21 25 55.6	E 0	21 26 15.8			180
LPO	0	21 26 00.3						
LFF	0	21 26 01.4						
EROQ	E	0	21 26 07.0	E 0	21 26 36.0			190
CAF	0	21 26 08.3						
ETOR	E	0	21 26 09.1	E 0	21 26 40.2	0.08	0.3	190
OLT	D	9	21 26 09.0	0	21 26 39.8			151
MRB	D	9	21 26 10.0	0	21 26 38.7			155
ETER	E	9	21 26 19.0	E 0	21 26 51.3	0.11	0.3	135
ECHE	E	0	21 26 21.9	E 0	21 27 03.0	0.06	0.3	145
GUD	E	0	21 26 24.4	E 0	21 27 06.2	0.02	0.3	160
TOL	E	0	21 26 30.0	E 0	21 27 18.5	0.02	0.6	135
ESEL	E	0	21 26 31.5	E 0	21 27 19.6	0.02	0.3	135

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EVIA	E	0	21 26 38.7	E 0	21 27 33.0	0.02	0.5	125
ERUA	E	0	21 26 41.9			0.01	0.3	130
EPLA	E	0	21 26 44.1	E 0	21 27 42.0			140
EMON	E	0	21 26 44.0					
MVO	E	0	21 26 45.2	E 4	21 27 41.7			
EBAN	E	0	21 26 49.4					165
MTE	E	0	21 26 54.5					
EHOR	E	0	21 27 03.6					

03 nov 13h 53m 25.4s 38°25'N 01°20'W 2Km
rms ±0.8s mb 3.8 IV JUMILLA.MU

EALH	I C	0	13 53 35.1	E 0	13 53 42.5			140
ACU	I C	0	13 53 39.6	E 0	13 53 49.8			120
VIV	I	0	13 53 41.5					
EVIA	E	0	13 53 43.1					205
ECHE	I D	0	13 53 47.3	E 0	13 54 04.9			210
ENIJ	I C	0	13 53 52.8	E 0	13 54 13.0	0.17	0.3	180
EBAN	I C	0	13 53 57.3	E 0	13 54 23.0	0.16	0.2	220
AFC	E	0	13 54 00.8	E 0	13 54 26.0	0.14	0.3	170
ASMO	I C	0	13 54 01.7	I 0	13 54 30.0			
ACHM	I C	0	13 54 05.0	E 0	13 54 34.5			
APHE	I C	0	13 54 05.4	E 0	13 54 34.4			
CRT	E	4	13 54 05.5	E 4	13 54 36.8			
AAPN	I C	0	13 54 05.7	E 0	13 54 37.0			
ETOR	E	0	13 54 06.0	E 0	13 54 36.2	0.19	0.3	230
ALOJ	I D	0	13 54 07.2	E 0	13 54 39.0			
ATEJ	I D	0	13 54 08.0	E 0	13 54 40.2			
EROQ	E	0	13 54 08.9	E 0	13 54 42.8	0.10	0.3	180
TOL	E	9	13 54 09.5	E 0	13 54 40.5	0.52	0.8	
EBR	E	0	13 54 10.0	E 4	13 54 48.0			267
MAL	I D	0	13 54 13.2	I 4	13 55 01.5	0.20	0.8	163
EHOR	I C	0	13 54 13.2	E 0	13 54 50.4	0.10	0.3	165
GUD	I C	0	13 54 14.7	E 0	13 54 51.5	0.13	0.3	125
EPRU	E	0	13 54 18.6			0.09	0.7	160
ESEL	I D	0	13 54 20.2			0.02	0.3	130
AVN	0	13 54 23.9						170
MRB	D	4	13 54 29.7					
OLT	0	13 54 36.2						
VIH	C	0	13 54 33.7					
EJIF	E	0	13 54 24.6	E 0	13 55 09.2	0.07	0.6	175
EPLA	I C	0	13 54 25.9	E 0	13 55 12.9	0.12	0.4	200
EVAL	E	0	13 54 30.3	E 0	13 55 21.0	0.04	0.4	180
ECRI	I C	0	13 54 31.8	E 0	13 55 20.0	0.08	0.4	180
EPF	0	13 54 37.9				0.05	0.5	
ETER	I D	0	13 54 40.6					126
MVO	E	0	13 54 42.4	E 4	13 55 38.4			
FIG	E	4	13 54 43.0	E 4	13 55 42.5			
MTE	E	0	13 54 44.5	E 4	13 55 40.0			
COI	0	13 54 44.5		E 4	13 55 54.0			
ERUA	E	0	13 54 52.7	E 0	13 56 00.0	0.07	0.6	190
LPO	0	13 55 00.6				0.00	0.7	
LFF	0	13 55 03.4				0.02	0.7	
EMON	E	0	13 55 04.7					
CAF	0	13 55 06.6				0.00	0.7	
RJF	4	13 55 08.2				0.00	0.7	
STS	E	0	13 55 09.0					
MTH	0	13 55 09.0		E 4	13 56 02.5			
PTO	E	4	13 55 45.5	7 4	13 56 40.0			
LIS	0	13 55 45.5		E 4	13 56 41.0			

05 nov 20h 09m 41.9s 36°17'N 08°06'W
rms ±0.8s mb 3.1 SE. CABO SAN VICENTE

FAR	0	20 10 04.5	E 0	20 10 07.0				
FIG	I D	0	20 09 56.3	I 0	20 10 07.0			
EVAL	E	0	20 10 08.1	E 0	20 10 27.0	0.04	0.2	80
EJIF	E	0	20 10 15.5	E 0	20 10 39.5	0.02	0.3	55

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTH	E	0	20 10 23.5	E	0	20 10 54.2			
EHOR				E	0	20 10 55.3			
AVE	I	0	20 10 26.6	I	0	20 11 00.0			110
CNIL	E	4	20 10 27.5						
OJEN	E	4	20 10 28.0						
ALOJ	E	0	20 10 31.5	E	0	20 11 06.5			
ATEJ	E	0	20 10 32.0	E	0	20 11 07.4			
AAPN	E	0	20 10 32.2	E	0	20 11 07.7			
IFR	I	0	20 10 35.0	I	4	20 11 14.0			110
APHE	E	0	20 10 35.1	E	0	20 11 14.0			
ASMO	E	0	20 10 37.0	E	0	20 11 15.0			
ECOG	E	0	20 10 38.0	E	0	20 11 20.3			80
AFC	E	0	20 10 38.8	E	0	20 11 20.3			65
EBAN	E	0	20 10 39.6	E	0	20 11 21.5	0.01	0.2	100
EPLA	E	0	20 10 41.5	E	0	20 11 25.0	0.01	0.2	90
MTE	E	0	20 10 43.0	E	0	20 11 28.0			
MVO	E	0	20 10 53.0	E	4	20 11 44.5			
EVIA	E	0	20 10 54.5	E	0	20 11 49.5	0.01	0.3	85
GUD	E	0	20 10 59.0	E	0	20 11 55.5	0.00	0.3	130
ETOR	E	0	20 11 17.2	E	0	20 12 25.2			

06 nov 07h 07m 54.5s 43°35'N 00°40'W 2Km
rms ±0.4s mb 2.8 ORTHEZ.FR

MADF	0	07 08 02.8	E	0	07 08 08.9				
ESCF	0	07 08 03.3	E	0	07 08 10.8				
ATE	0	07 08 03.4	E	0	07 08 10.1				
BOH	0	07 08 04.5	E	0	07 08 11.8				
VIH	0	07 08 20.5							
EPF	0	07 08 11.5		0	07 08 23.4				
ECRI	E	9	07 08 25.6	E	0	07 08 48.0	0.02	0.3	
LFF	9	07 08 27.4		0	07 08 51.0				
LPO	9	07 08 28.1		0	07 08 51.5				
RJF	0	07 08 32.6							
CAF	0	07 08 33.0							
ETOR			E	0	07 09 16.0				
EROQ	E	9	07 08 49.8	E	0	07 09 23.8	0.01	0.3	

07 nov 07h 25m 02.2s 36°59'N 03°42'W 2Km
rms ±0.6s mb 4.0 V W. PADUL.GR

APHE	I	C	0	07 25 03.7						
ACHM	I	D	0	07 25 05.2						
CRT	I	C	0	07 25 06.3	I	0	07 25 09.0			
ATEJ	I	C	0	07 25 06.6						
AFC	I	C	0	07 25 07.1					250	
ECOG	I	C	0	07 25 07.3	E	0	07 25 12.9		250	
ALOJ	I	C	0	07 25 07.8						
ASMO	I	D	0	07 25 08.4						
AAPN	I	D	0	07 25 10.2	I	4	07 25 13.6			
MAL	I	D	0	07 25 12.2	I	0	07 25 23.0	0.17	0.8	200
EBAN	I	C	0	07 25 23.6	E	0	07 25 38.9			275
ENIJ	I	C	0	07 25 23.8	E	0	07 25 41.1			210
EJIF	E	0	07 25 27.5	E	0	07 25 50.3	0.35	0.3	210	
EHOR	I	C	0	07 25 28.9	E	0	07 25 48.4	0.30	0.3	255
EMEL	E	0	07 25 33.0	E	0	07 25 55.0			100	
EVIA	I	C	0	07 25 34.3					255	
OJEN	I	4	07 25 35.0							
EALH	I	D	0	07 25 36.5	E	0	07 26 00.6	0.27	0.3	150
GIBL	I	4	07 25 37.5							
PLAT	I	4	07 25 39.5							
TAF	I	0	07 25 42.0							
EVAL	E	0	07 25 42.4	E	0	07 26 13.3	0.14	0.4	215	
ACU	E	0	07 25 50.0							
VIV	E	0	07 25 50.5	E	0	07 26 28.0				
ECHE	I	C	0	07 25 54.7	E	0	07 26 33.6	0.15	0.3	230
IFR	I	0	07 25 58.0							
EPLA	I	D	0	07 25 58.4	E	0	07 26 41.0	0.23	0.3	250

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR	
GUD	I	C	0	07 25 58.7	E	0	07 26 41.7		270	
TOL	I	9	07 26 01.0	I	0	07 26 36.0				
ETOR	E	0	07 26 03.5	E	0	07 26 48.7	0.18	0.3	290	
MTE	E	0	07 26 11.5	E	0	07 27 02.5				
LIS				I	0	07 27 05.6				
MVO	E	0	07 26 16.0	E	0	07 27 12.0				
EROQ	I	D	0	07 26 17.2	E	0	07 27 13.6	0.09	0.6	210
AVE	I	4	07 26 17.5							
PTO	E	0	07 26 27.4	E	4	07 27 32.8				
ECRI	I	D	0	07 26 27.4	E	0	07 27 29.8	0.14	0.4	245
ESEL	E	0	07 26 30.6						135	
AVN	0	07 26 30.7								
ERUA	E	0	07 26 32.1	E	0	07 27 38.7	0.13	0.8	210	
LHE	0	07 26 36.9								
ISSF	0	07 26 37.9								
ATE	C	0	07 26 38.6							
ESCF	C	0	07 26 39.0							
MADF	0	07 26 39.2		E	0	07 27 51.4				
JAU	0	07 26 39.6								
TIO	E	0	07 26 41.0							
EMON	E	0	07 26 44.2					0.13	0.8	
MLS	0	07 26 44.8								
GRBF	0	07 26 46.5								
LESF	0	07 26 47.8								
VIH	4	07 26 59.4								

09 nov 00h 21m 33.7s 36°15'N 03°12'W 10Km
rms ±0.6s mb 2.6 ALBORAN

APHE	I	C	0	00 21 48.3	I	0	00 21 59.4			
ATEJ	I	C	0	00 21 49.5	I	0	00 22 02.5			
ACHM	I	C	0	00 21 51.6	E	0	00 22 05.0			
ENIJ	I	0	00 21 52.2	E	0	00 22 06.6	0.03	0.3	50	
ECOG	E	0	00 21 54.0	E	0	00 22 07.8	0.00	0.3	45	
ALOJ	I	D	0	00 21 54.0	I	0	00 22 08.2			
ASMO	I	C	0	00 21 55.8						
AAPN	E	0	00 21 57.6	E	0	00 22 12.8				

09 nov 02h 26m 14.3s 36°56'N 02°41'W 17Km
rms ±0.2s mb 2.4 SIERRA DE GADOR.AL

ENIJ	I	C	0	02 26 21.3	E	0	02 26 27.5	0.02	0.3	23
APHE	I	0	02 26 29.2	E	0	02 26 40.0				
ASMO	E	0	02 26 31.2							
ATEJ	E	0	02 26 33.0	E	0	02 26 47.5				
AAPN	E	4	02 26 38.7	E	4	02 26 56.9				
EBAN	E	0	02 26 39.6	E	0	02 26 58.0	0.00	0.3	30	
EVIA	E	0	02 26 42.3	E	0	02 27 03.4			32	

09 nov 07h 25m 47.9s 43°06'N 00°41'W 7Km
rms ±0.5s mb 1.7 ARETTE.FR

ATE	C	0	07 25 49.1	E	0	07 25 50.9			
ESCF	C	0	07 25 49.7	E	0	07 25 52.1			24
MADF	D	0	07 25 49.7	E	0	07 25 52.0			
ISSF	C	0	07 25 50.0	E	0	07 25 52.2			
OGF	C	0	07 25 51.0						
LHE	0	07 25 51.1		E	0	07 25 54.1			
BOH	0	07 25 51.3							
JAU	0	07 25 52.3		E	0	07 25 56.3			
VIH	0	07 26 08.8		0	07 26 24.0				
ECRI	E	0	07 26 13.6	E	0	07 26 32.5	0.00	0.3	30

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

10 nov 01h 21m 54.5s 37°00'N 03°42'W 6Km
rms ±0.4s mb 2.7 W. PADUL.GR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
APHE	I	C	0	01 21 56.3	I 0 01 21 57.5			
ACHM	I	D	0	01 21 57.5	E 0 01 21 59.3			
CRT	E	0	01 21 58.5	E 0 01 22 01.2				
ATEJ	I	C	0	01 21 59.3	E 0 01 22 03.0			
AFC	I	C	0	01 21 59.4	E 0 01 22 03.0			56
ECOG	I	C	0	01 21 59.8	E 0 01 22 03.5			54
ALOJ	I	C	0	01 22 00.4	I 0 01 22 05.2			
ASMO	I	D	0	01 22 00.7	I 0 01 22 06.0			
AAPN	E	C	0	01 22 03.1	E 0 01 22 08.8			
MAL	I	0	01 22 07.2	I 0 01 22 14.2				
ENIJ	E	0	01 22 16.3	E 0 01 22 31.0	0.01 0.3	46		
EBAN	I	0	01 22 16.7	E 0 01 22 31.4	0.02 0.3	60		
EVIA	E	0	01 22 27.0		0.02 0.5	50		

10 nov 01h 52m 35.8s 42°14'N 06°52'W
rms ±0.5s mb 2.9 SERRA DO EIXE.OR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ERUA	I	C	0	01 52 40.6	E 0 01 52 43.3	0.03 0.3	33	
MVO	I	D	4	01 52 52.0	I 4 01 53 05.5			
EMON	E	0	01 52 57.9	E 0 01 53 15.4	0.09 0.3	46		
EZAM				E 0 01 53 19.3	0.01 0.3			
STS	E	0	01 53 01.3	E 0 01 53 21.5				
MTE	E	0	01 53 08.0	I 0 01 53 32.0				
EPLA	E	0	01 53 13.5	E 0 01 53 39.6	0.02 0.3	50		
GUD	I	C	0	01 53 18.1	E 0 01 53 49.0	0.00 0.3	60	

10 nov 04h 55m 29.7s 43°27'N 00°34'W 2Km
rms ±0.8s mb 2.9 III ORTHEZ.FR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
OGE	C	0	04 55 34.9					
MADF	C	0	04 55 35.6	E 0 04 55 40.8				
ESCF	C	0	04 55 35.9					
ATE	C	0	04 55 36.0	E 0 04 55 41.8				
JAU	C	0	04 55 37.5					
BOH	C	0	04 55 37.7	E 0 04 55 44.7				
LHE	C	0	04 55 39.0					
EPF	0	04 55 44.8	E 0 04 55 53.6	0.10 0.3				
VIH	0	04 55 53.3	0 04 56 12.1	131				
ECRI	E	0	04 55 59.3	E 0 04 56 21.3	0.03 0.3	105		
LFF	0	04 56 00.2						
LPO	0	04 56 00.4						
AVN	C	4	04 56 04.0					145
RJF	0	04 56 08.0						
CAF	0	04 56 08.6						
OLT	4	04 56 14.2						
ETOR	E	0	04 56 15.5	E 0 04 56 51.0	0.00 0.3	115		
MRB	4	04 56 17.7	4 04 56 53.6	99				
EROQ	E	9	04 56 18.2	E 0 04 56 51.5	0.03 0.3	95		
EBR	E	4	04 56 22.0	E 4 04 56 58.0				
GUD	E	0	04 56 29.6	E 0 04 57 15.5				85
ECHE	E	0	04 56 31.0					90

11 nov 09h 25m 02.2s 36°32'N 06°53'W
rms ±0.7s mb 2.7 GOLFO DE CADIZ

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EVAL	E	0	09 25 20.4	E 0 09 25 35.8	0.02 0.3	55		
AAPN	E	0	09 25 38.5	E 0 09 26 05.5				
ALOJ	E	0	09 25 39.0	E 0 09 26 04.5				
ATEJ	E	0	09 25 39.5	E 0 09 26 06.3				
APHE	E	0	09 25 43.0	E 0 09 26 12.5				
ASMO	E	0	09 25 44.5					
AFC	E	0	09 25 45.0	E 0 09 26 18.5				

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

EBAN E 0 09 25 46.5 E 0 09 26 21.4 0.00 0.2 60
EPLA E 0 09 25 56.2 E 0 09 26 36.0 45
EVIA E 0 09 26 01.8 E 0 09 26 48.2
ETOR E 0 09 26 25.0

11 nov 15h 06m 51.2s 42°16'N 01°07'E 2Km
rms ±0.8s mb 3.1 POBLA DE SEGUR.L

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
VIH	D	0	15 06 58.3	0 15 07 04.5				128
SALF	0	15 06 58.6						
AVN	C	0	15 06 59.1	0 15 07 07.0				130
GRBF	0	15 07 02.5						
MLS	0	15 07 03.8	0 15 07 12.3					
LESF	0	15 07 04.8						
EPF	0	15 07 07.5	E 0 15 07 21.4					
VDCC	0	15 07 08.7						
OLT	0	15 07 10.1	4 15 07 26.5					99
FONT	0	15 07 11.0	0 15 07 25.7					
FBR	0	15 07 12.3	0 15 07 26.6					
MTHF	0	15 07 13.8	0 15 07 32.7					
ETER	I	D	0	15 07 15.0	E 0 15 07 32.9	0.05 0.2	60	
PERF	0	15 07 15.7						
EROQ	E	0	15 07 18.9	E 0 15 07 39.1	0.06 0.3	80		
EBR	E	0	15 07 20.0	E 0 15 07 39.0				
LPO	0	15 07 30.6	E 0 15 08 01.6					
LFF	0	15 07 34.4	E 0 15 08 07.6					
CAF	0	15 07 34.4	E 0 15 08 09.1					
ECRI	I	C	0	15 07 35.6	E 0 15 08 08.4	0.00 0.3	85	
GUD	E	0	15 07 55.9	E 0 15 08 44.7				

12 nov 09h 33m 46.4s 43°06'N 00°23'W 2Km
rms ±0.7s mb 2.5 ARUDY.FR

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
JAU	C	0	09 33 47.4	E 0 09 33 48.7				
OGE	D	0	09 33 48.3					
ESCF	C	0	09 33 48.5	E 0 09 33 50.8				27
ATE	0	09 33 50.3	E 0 09 33 53.8					
LHE	C	0	09 33 50.4					
ISSF	0	09 33 51.8	E 0 09 33 56.5					
MADF	C	0	09 33 52.1	E 0 09 33 57.1				0
BOH	0	09 33 54.5	E 0 09 34 01.4					
EPF	0	09 33 55.6	0 09 34 03.7					
VIH	0	09 34 03.5	0 09 34 16.6					47
AVN	0	09 34 13.9	4 09 34 35.3					60
ECRI	E	0	09 34 16.0	E 0 09 34 38.3	0.01 0.3	44		
LPO	9	09 34 22.0	0 09 34 48.0	0.00 0.3				
LFF	9	09 34 24.0	0 09 34 50.6					
ETOR	E	0	09 34 28.8	E 0 09 35 00.8				
EROQ	E	9	09 34 31.3	E 0 09 35 00.3				
CAF	4	09 34 33.0	4 09 35 07.2					
RJF	4	09 34 34.1	4 09 35 07.8					

13 nov 07h 11m 52.3s 42°14'N 03°01'E 2Km
rms ±0.7s mb 2.7 FIGUERES.GE

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ETER	I	D	0	07 11 54.2	E 0 07 11 56.2			35
PERF	0	07 11 57.2	0 07 12 01.0					
OLT	D	0	07 11 58.9	0 07 12 03.5				57
SQD	0	07 11 59.6						
VDCC	0	07 12 02.6						
FONT	0	07 12 03.5	4 07 12 15.5					
MTHF	0	07 12 06.6	4 07 12 20.5					
FBR	0	07 12 11.0	0 07 12 26.0					
MRB	9	07 12 15.1	0 07 12 30.7					45
GRBF	0	07 12 15.2	0 07 12 33.0					
SALF	0	07 12 18.8						

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
LESF	0	07 12 19.3						
MLS	0	07 12 21.0	4	07 13 01.2				
AVN	0	07 12 23.0	4	07 12 46.4				
VIH	0	07 12 23.2	0	07 12 44.9			44	
EPF	9	07 12 31.8	0	07 12 58.0				
EROQ E	9	07 12 37.0	E 0	07 13 07.0	0.00	0.4		
CAF	9	07 12 44.0	0	07 13 18.6				
RJF	4	07 12 51.6	4	07 13 34.0				
LPO			4	07 13 19.6				
LFF			4	07 13 31.0				

14 nov 20h 30m 17.3s 42°50'N 03°50'W 21Km
rms ±0.9s mb 3.4 III VALDERREDIBLE.S

ECRI I D 0	20 30 35.3	E 0	20 30 49.2			170
GUD E	0 20 30 50.7	E 0	20 31 17.5	0.09	0.3	160
ERUA E	0 20 30 56.1	E 0	20 31 25.0	0.09	0.5	110
ETOR E	0 20 30 56.4	E 0	20 31 22.0	0.06	0.3	170
EMON E	0 20 30 58.5	E 0	20 31 28.8	0.13	0.3	120
STS		E 0	20 31 48.7			
MVO E	0 20 31 00.5	E 0	20 31 33.0			
EPLA E	0 20 31 04.9	E 0	20 31 41.6	0.07	0.3	125
EPF	0 20 31 05.1	0	20 31 39.8	0.00	0.3	
VIH	0 20 31 09.0					
AVN	0 20 31 10.0					137
EZAM		0	20 31 53.4	0.02	0.4	
EROQ E	0 20 31 12.5	E 0	20 31 55.6	0.04	0.3	115
TOL I	9 20 31 13.5	I 0	20 31 48.0	0.06	0.8	
PTO E	0 20 31 15.0	E 4	20 32 10.2			
LFF	0 20 31 15.8	0	20 31 58.3	0.00	0.3	
LPO	0 20 31 17.2	0	20 32 02.2			
MFF	0 20 31 24.6	0	20 32 14.4	0.00	0.3	
RJF	0 20 31 24.0	0	20 32 13.6	0.02	0.3	
MTE E	4 20 31 24.5	0	20 31 52.0			
MRB	4 20 31 25.1					
OLT	0 20 31 25.5					
ETER E	0 20 31 30.6					
ECHE E	9 20 31 35.5	E 0	20 32 18.0	0.02	0.5	120
COI		E 0	20 32 07.6			
EVIA E	9 20 31 42.0	E 0	20 32 30.6	0.05	0.4	125
EBAN E	9 20 31 49.6	E 0	20 32 40.6	0.02	0.4	113

15 nov 06h 58m 53.1s 38°39'N 01°02'W 6Km
rms ±0.6s mb 2.9 CAUDETE.AB

ACU E	0 06 59 02.4	E 0	06 59 10.0			25
VIV I	0 06 59 03.5	E 0	06 59 14.0			
ECHE E	0 06 59 09.4	E 0	06 59 22.8	0.03	0.2	50
EVIA I	0 06 59 14.6	E 0	06 59 29.0	0.06	0.2	53
EHUE E	0 06 59 19.0	E 0	06 59 38.9			46
EBAN I C	0 06 59 28.2					56
ETOR E	9 06 59 35.5	E 0	07 00 03.5			60
GUD E	9 06 59 53.0	E 0	07 00 30.0	0.00	0.4	62

15 nov 21h 24m 39.5s 36°13'N 08°18'W
rms ±0.6s mb 2.8 S. CABO SAN VICENTE

EVAL E	0 21 25 09.4	E 0	21 25 29.0	0.01	0.3	65
AVE I	0 21 25 25.0	I 0	21 25 58.0			60
IFR I	0 21 25 34.0	I 4	21 26 12.0			90
ECOG E	0 21 25 38.0	E 0	21 26 20.3			
EBAN E	0 21 25 39.2	E 0	21 26 23.0	0.00	0.3	70
EPLA		E 0	21 26 26.8			
EHUE E	0 21 25 49.5	E 0	21 26 43.0			

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
EVIA E	0	21 25 54.2	E 0	21 26 51.8				
TIO I	0	21 25 56.5	I 4	21 26 52.5			105	
GUD E	0	21 25 58.6	E 0	21 26 58.0				
ETOR E	0	21 26 15.5	E 0	21 27 29.0				

17 nov 16h 59m 25.5s 37°57'N 16°42'W
rms ±0.9s mb 3.7 ATLANTICO

MTH E	0	17 00 52.0	E 0	17 01 58.0				
LIS			I 0	17 01 58.1				
IFR I	4	17 01 48.5						
COI			E 0	17 02 18.1				
PTO E	4	17 01 54.7	E 0	17 02 20.5				
FIG			E 0	17 02 23.5				
FAR			E 4	17 02 27.6				
EZAM			E 0	17 02 31.0	0.02	0.6		
MTE E	0	17 01 14.5	E 0	17 02 34.5				
EVAL E	0	17 01 18.0	E 0	17 02 41.0	0.03	0.3	158	
STS			E 0	17 02 44.0	0.02	0.6		
EPLA			E 0	17 02 58.0	0.03	0.4	135	
ERUA			E 0	17 03 00.0				
EHOR			E 0	17 03 11.5	0.03	0.5		
EMON			E 0	17 03 09.6	0.03	0.4		
GUD E	0	17 01 48.8	E 0	17 03 36.0	0.02	0.5		
EBAN E	0	17 01 48.5	E 0	17 03 38.0	0.03	0.5		
EVIA			E 0	17 04 02.6				
ETOR			E 0	17 04 15.0			200	

18 nov 15h 26m 11.4s 36°25'N 04°35'W 85Km
rms ±0.8s mb 3.4 S. MALAGA

MAL I	0	15 26 23.8	I 0	15 26 33.0	0.18	0.4	46	
ATEJ I C	0	15 26 26.6	I 0	15 26 38.0				
EJIF E	0	15 26 27.7	E 0	15 26 38.6	0.05	0.3	83	
ALOJ I C	0	15 26 29.0	I 0	15 26 41.3				
EPRU I D	0	15 26 29.0	E 0	15 26 39.5	0.06	0.2	60	
APHE I C	0	15 26 29.1	I 0	15 26 42.5				
ACHM I C	0	15 26 30.4	I 0	15 26 44.0				
AAPN I C	0	15 26 31.0	I 0	15 26 45.3				
ASMO I C	0	15 26 33.3	I 0	15 26 49.1				
OJEN I	4	15 26 33.0						
ECOG I D	0	15 26 33.6	E 0	15 26 47.7	0.04	0.2	85	
AFC I C	0	15 26 33.7	E 0	15 26 48.0	0.04	0.2	60	
MOMI I	4	15 26 34.0						
EHOR I D	0	15 26 36.7	E 0	15 26 54.4	0.09	0.2	77	
EMEL I D	0	15 26 38.5	E 0	15 26 59.8			47	
CNIL I	4	15 26 38.5						
EBAN I C	0	15 26 41.5	E 0	15 27 02.5	0.17	0.2	115	
ENIJ E	0	15 26 43.2	E 0	15 27 05.9			60	
EVAL I D	0	15 26 44.0	E 0	15 27 07.3	0.05	0.3	70	
EHUE E	0	15 26 45.5	E 0	15 27 10.0	0.04	0.2		
GIBL I	4	15 26 47.0						
ALJ I	4	15 26 48.0						
EVIA E	0	15 26 53.8	E 0	15 27 23.6			85	
IFR I	0	15 26 54.5	I 4	15 27 25.0			130	
VCB I	0	15 26 54.8	E 0	15 27 25.7				
EPLA I D	0	15 27 08.0	E 0	15 27 50.9	0.03	0.2	90	
VIV E	0	15 27 09.5						
AVE I	0	15 27 10.0	I 4	15 27 49.0				
TOL E	4	15 27 11.0	E 0	15 27 41.5			70	
GUD I C	0	15 27 13.4	E 0	15 27 58.7	0.00	0.2	102	
ECHE E	0	15 27 13.8	E 0	15 28 00.8			90	
ETOR E	0	15 27 21.6	E 0	15 28 14.1	0.02	0.2	105	
TIO I	0	15 27 35.0	I 4	15 28 37.0			130	
EROQ E	0	15 27 36.7						
ERUA E	0	15 27 42.0						

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

18 nov 16h 33m 09.2s 36°56'N 12°29'W
rms ±0.8s mb 3.7 ATLANTICO

Table listing seismic stations and their corresponding data for the 18th November earthquake in the Atlantic. Includes station codes like LIS, MTH, FAR, FIG, EVAL, etc., and their respective coordinates and amplitudes.

20 nov 01h 14m 03.0s 36°24'N 07°07'W
rms ±0.8s mb 2.9 GOLFO DE CADIZ

Table listing seismic stations and their corresponding data for the 20th November earthquake in the Gulf of Cadiz. Includes station codes like EVAL, ALOJ, ATEJ, ACHM, etc.

20 nov 09h 52m 28.7s 42°16'N 02°59'E
rms ±0.8s mb 2.7 FIGUERES.GE

Table listing seismic stations and their corresponding data for the 20th November earthquake in Figueres. Includes station codes like ETER, PERF, OLT, VDCF, etc.

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

22 nov 04h 33m 14.1s 42°16'N 07°36'W 16Km
rms ±0.5s mb 3.6 II-III MACEDA.OR

Table listing seismic stations and their corresponding data for the 22nd November earthquake in Maceda. Includes station codes like ERUA, EZAM, STS, MVO, EMON, etc.

22 nov 16h 08m 31.1s 39°02'N 00°06'W 4Km
rms ±0.9s mb 2.7 E. GANDIA

Table listing seismic stations and their corresponding data for the 22nd November earthquake in Gandia. Includes station codes like ACU, VIV, ECHE, EROQ, etc.

26 nov 07h 10m 33.5s 37°18'N 03°54'W 14Km
rms ±0.8s mb 2.9 MONTEFRIO.GR

Table listing seismic stations and their corresponding data for the 26th November earthquake in Montefrio. Includes station codes like ASMO, AAPN, ACHM, ALOJ, etc.

26 nov 13h 55m 52.9s 43°05'N 00°48'W 6Km
rms ±0.6s mb 3.0 ARETTE.FR

Table listing seismic stations and their corresponding data for the 26th November earthquake in Arette. Includes station codes like ISSF, MADF, ATE, BOH, ESCF, etc.

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ECRI	E	0	13 56 18.6	E 0	13 56 35.0	0.04	0.3	42
AVN		9	13 56 24.0	0	13 56 46.8			67
LPO		4	13 56 33.0	4	13 57 01.7			
LFF		4	13 56 33.4	4	13 57 02.3			
RJF		4	13 56 34.6					
CAF		0	13 56 35.8					
EROQ	E	9	13 56 41.0	E 0	13 57 08.6	0.02	0.4	
MRB				4	13 57 13.7			
OLT		9	13 56 46.6	0	13 57 16.0			

30 nov 21h 52m 11.9s 39°13'N 02°51'W 2Km
rms ±0.4s mb 3.0 SOCUELLAMOS.CR

EVIA	I	C	0	21 52 24.0	E 0	21 52 32.4		75
TOL				0	21 52 49.0			
EBAN	E	0	21 52 34.6	E 0	21 52 52.3	0.04	0.2	65
VIV	E	0	21 52 35.5	E 0	21 52 54.5			
EHUE	E	0	21 52 38.0	E 0	21 52 56.6	0.01	0.2	30
ECHE	E	0	21 52 38.0	E 0	21 52 58.4	0.02	0.3	35
ETOR	E	0	21 52 40.6	E 0	21 53 03.9	0.03	0.3	60
GUD	E	9	21 52 44.0	E 0	21 53 05.9	0.02	0.3	55
VCB	E	9	21 52 46.3	E 0	21 53 09.0			
ECOG	E	9	21 52 49.6	E 0	21 53 15.0			42

01 dic 19h 19m 01.4s 37°06'N 05°35'W 2Km
rms ±0.5s mb 2.7 EL CORONIL.SE

EPRU	E	0	19 19 06.0	E 0	19 19 11.0	0.05	0.7	35
EJIF	E	0	19 19 13.2	E 0	19 19 22.7	0.02	0.3	42
EHOR	E	0	19 19 14.4	E 0	19 19 25.8	0.03	0.3	38
EEVAL	E	0	19 19 20.0	E 0	19 19 35.0	0.01	0.3	40
ALOJ	I	C	0	19 19 22.5	I 0	19 19 39.0		
AAPN	I	0	19 19 22.5	E 0	19 19 39.0			
ATEJ	I	0	19 19 24.0	I 0	19 19 42.0			
ACHM	E	0	19 19 26.7	E 0	19 19 46.0			
ASMO	E	0	19 19 27.6	E 0	19 19 48.5			
APHE	I	0	19 19 28.4	E 0	19 19 49.5			
ECOG	E	0	19 19 30.5					42
AFC	E	0	19 19 30.9	E 0	19 19 52.0			35
EBAN	E	0	19 19 32.0	E 0	19 19 55.0	0.01	0.3	50
VCB	E	0	19 19 38.0					
IFR	I	4	19 19 43.0					

03 dic 08h 27m 11.5s 39°10'N 02°50'W 9Km
rms ±0.7s mb 3.0 SOCUELLAMOS.CR

EVIA	I	C	0	08 27 21.9	E 0	08 27 30.4	0.21	0.2	68
EBAN	E	0	08 27 34.0	E 0	08 27 50.4	0.05	0.2	60	
VIV	E	0	08 27 34.8	E 0	08 27 51.5				
EHUE	E	0	08 27 35.8	E 0	08 27 54.2	0.01	0.2	40	
ECHE	E	0	08 27 35.8			0.03	0.3	45	
VCB	E	0	08 27 39.8	E 0	08 28 01.5				
GUD	E	0	08 27 41.6	E 0	08 28 04.0	0.02	0.3	45	
ETOR	E	0	08 27 41.9	E 0	08 28 02.7	0.03	0.2	70	

10 dic 15h 41m 27.0s 37°20'N 02°04'W 2Km
rms ±0.3s mb 2.9 ARBOLEAS.AL

ENIJ	E	0	15 41 34.3	E 0	15 41 39.0	0.13	0.2	45
EHUE	E	0	15 41 38.5	E 0	15 41 46.8	0.02	0.3	35
AFC	E	0	15 41 48.8					45
ECOG	E	0	15 41 49.0	E 0	15 42 05.6	0.01	0.3	45
EVIA	E	0	15 41 51.8	E 0	15 42 09.4	0.10	0.3	50
APHE	I	0	15 41 51.5					

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
AAPN	I	4	15 41 52.2	I 4	15 42 20.2			
ASMO	I	0	15 41 52.6	I 4	15 42 13.0			
EBAN	E	0	15 41 54.8	E 0	15 42 16.3	0.03	0.3	50
ALOJ	I	4	15 41 58.5	I 4	15 42 22.5			

15 dic 18h 33m 35.6s 36°36'N 09°48'W
rms ±0.7s mb 3.2 SW. CABO SAN VICENTE

LIS				E 0	18 34 33.0			
MOE	I	C	0	18 34 10.5	I 0	18 34 35.0		
MTH	I	D	0	18 34 12.2	I 0	18 34 37.0		
EVAL	E	0	18 34 16.0	E 0	18 34 44.8	0.02	0.3	80
AVE	I	0	18 34 32.2	I 0	18 35 13.0			75
EHOR	E	0	18 34 32.5	E 0	18 35 12.8			65
MTE	E	0	18 34 37.0	E 0	18 35 22.0			
VCB	E	0	18 34 41.5	E 0	18 35 30.5			
EPLA	E	0	18 34 41.9	E 0	18 35 30.6	0.01	0.3	60
AAPN	E	0	18 34 43.0	E 0	18 35 33.5			
IFR	I	0	18 34 46.0	I 0	18 35 38.5			110
MVO	I	D	0	18 34 47.5	E 0	18 35 42.0		
ASMO	E	0	18 34 48.0	E 0	18 35 40.0			
APHE	E	0	18 34 48.0	E 0	18 35 41.0			
EBAN	E	0	18 34 48.9	E 0	18 35 43.0	0.01	0.2	90
EZAM	E	0	18 34 57.5	0	18 35 57.0			
GUD	E	0	18 35 01.9	E 0	18 36 06.8			70
TIO	I	0	18 35 02.0	I 4	18 36 04.8			140
EVIA	E	0	18 35 03.7	E 0	18 36 10.0	0.02	0.3	90
ETOR	E	0	18 35 21.0	E 0	18 36 40.0			95

16 dic 04h 32m 37.5s 37°51'N 01°16'W
rms ±0.7s mb 2.9 E. ALHAMA DE MURCIA.MU

EALH	E	0	04 32 39.4	E 0	04 32 41.2	0.16	0.2	21
ENIJ	E	0	04 32 58.1	E 0	04 33 15.0	0.01	0.3	41
EVIA	E	0	04 33 00.9	E 0	04 33 18.0	0.05	0.3	59
VIV	E	0	04 33 02.5	E 0	04 33 21.0			
ECHE	E	0	04 33 09.0					
EBAN	E	0	04 33 10.3					

19 dic 00h 21m 30.8s 36°27'N 03°06'W
rms ±0.8s mb 2.6 ALBORAN

APHE	I	C	0	00 21 43.5	I 0	00 21 53.2		
ATEJ	E	0	00 21 45.1	E 0	00 21 56.8			
ENIJ	E	0	00 21 46.7	E 0	00 21 58.0	0.04	0.3	40
ACHM	E	0	00 21 46.8	E 0	00 21 59.2			
AFC	E	0	00 21 47.2					
ECOG	E	0	00 21 47.6	E 0	00 21 58.5	0.01	0.3	40
ALOJ	E	0	00 21 48.7	E 0	00 22 02.5			
ASMO	I	D	0	00 21 50.2				
AAPN	E	0	00 21 53.5					

22 dic 06h 15m 13.9s 36°35'N 03°36'W
rms ±0.7s mb 2.7 S. CABO SACRATIF

APHE	I	D	0	06 15 20.9	I 0	06 15 26.0		
ATEJ	I	D	0	06 15 22.1	E 0	06 15 28.1		
ACHM	I	D	0	06 15 23.8	I 0	06 15 31.9		
ALOJ	I	D	0	06 15 25.2	I 0	06 15 34.3		
ECOG	E	0	06 15 26.9	E 0	06 15 35.2	0.02	0.2	50
AFC	E	0	06 15 27.0	E 0	06 15 35.0	0.04	0.2	30
CRT	E	4	06 15 28.5	I 0	06 15 34.3			
ASMO	I	D	0	06 15 28.5	E 0	06 15 39.4		
AAPN	I	D	0	06 15 30.3	I 4	06 15 44.6		

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
ENIJ	E	0	06 15 34.8	E 0	06 15 50.5	0.02	0.3	40
EHUE	E	0	06 15 41.0	E 0	06 16 00.8	0.01	0.3	40
EBAN	E	0	06 15 43.0	E 0	06 16 03.0	0.00	0.3	55
EVIA				E 0	06 16 17.0			55

23 dic 03h 27m 05.4s 36°44'N 07°38'W 25Km
rms ±0.9s mb 3.0 S. FARO

FAR	I	D	0	03 27 13.5	E 0	03 27 19.5		
EVAL	E		0	03 27 24.0	E 0	03 27 36.9	0.04	0.2 55
EHOR	E		0	03 27 38.7	E 0	03 28 06.0		53
MOE	E	4	03 27 41.0	E 0	03 27 59.0			
ALOJ					E 0	03 28 21.4		
AAPN	E		0	03 27 49.0	E 0	03 28 21.5		
ATEJ	E		0	03 27 50.0	E 0	03 28 23.0		
VCB	E		0	03 27 53.0	E 0	03 28 26.0		
APHE	E		0	03 27 54.0	E 0	03 28 30.0		
EBAN	E		0	03 27 55.2	E 0	03 28 32.0	0.00	0.2 56
AVE	E		0	03 27 57.0	I 0	03 28 34.0		60
MTE					4	03 28 35.0		
EPLA					E 0	03 28 36.0		
MVO					E 4	03 28 56.5		
IFR	I		0	03 28 01.5	I 4	03 28 41.0		80
EVIA	E		0	03 28 10.0	E 0	03 28 59.3	0.02	0.3 55
TIO	I		0	03 28 29.0	I 4	03 29 30.0		110

23 dic 04h 51m 06.6s 37°05'N 04°24'W
rms ±0.6s mb 2.5 ARCHIDONA.MA

ALOJ	I	C	0	04 51 10.5	I 0	04 51 14.2		
AAPN	I	C	0	04 51 11.6	I 0	04 51 17.1		
ATEJ	I	C	0	04 51 12.3	I 0	04 51 17.9		
ACHM	I	C	0	04 51 14.2				
MAL	E		0	04 51 14.0	I 0	04 51 18.0	0.13	0.4
APHE	I	C	0	04 51 16.5	I 0	04 51 25.0		
AFC	E		0	04 51 20.0				30
ECOG	E		0	04 51 20.9	E 0	04 51 29.8	0.00	0.3 40
EHOR	E		0	04 51 24.8	E 0	04 51 38.7	0.02	0.3 32
EBAN	E		0	04 51 27.9	E 0	04 51 44.8	0.01	0.3 40
EHUE	E		0	04 51 35.0	E 0	04 51 58.0		40

25 dic 19h 59m 44.7s 37°04'N 04°27'W 6Km
rms ±0.5s mb 2.7 ARCHIDONA.MA

ALOJ	I	C	0	19 59 49.1	I 0	19 59 53.8		
AAPN	I	C	0	19 59 50.2	I 0	19 59 56.3		
MAL	I		0	19 59 51.0	I 0	19 59 56.6		
ATEJ	I	C	0	19 59 51.0	I 0	19 59 57.0		
ACHM	I	C	0	19 59 53.3	I 0	20 00 01.5		
APHE	I	C	0	19 59 54.9	E 0	20 00 04.8		
ASMO	I	D	0	19 59 55.7	I 0	20 00 05.6		
AFC	E		0	19 59 58.0	E 0	20 00 09.5	0.01	0.3 45
ECOG	E		0	19 59 59.5	E 0	20 00 08.8	0.02	0.3 45
EVAL					E 0	19 60 40.0		
EHOR	E		0	19 60 03.1	E 0	19 60 16.0	0.03	0.3 33
EBAN	E		0	19 60 06.3	E 0	19 60 22.9	0.02	0.3 37
EHUE	E		0	19 60 13.5	E 0	19 60 34.1		46
EVIA	E		0	19 60 21.0	E 0	19 60 46.9	0.02	0.3 50

EST	I/E	W	HORA P	I/E W	HORA S	AMP	PER	DUR
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27 dic 05h 10m 12.7s 41°11'N 01°08'W
rms ±0.7s mb 2.7 HERRERA LOS NAVARROS.Z

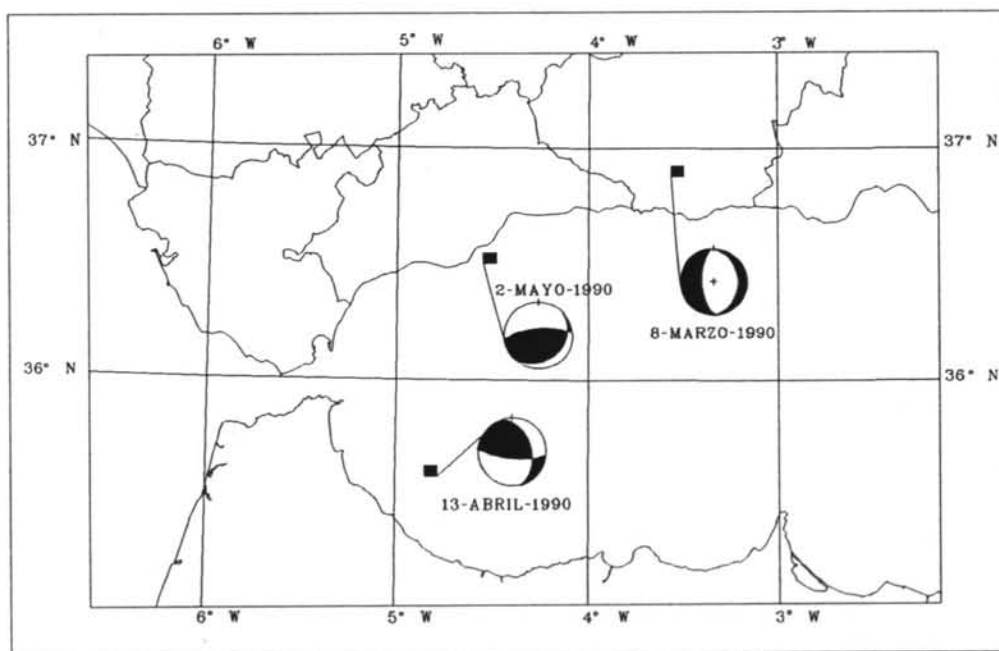
ETOR	E		0	05 10 26.5	E 0	05 10 39.0	0.01	0.3 42
AVN			0	05 10 37.7	0	05 10 57.9		55
EGRA	E		0	05 10 37.8	E 0	05 10 57.0	0.01	0.3 35
ECRI	E		0	05 10 41.0	E 0	05 11 02.5	0.02	0.3 40
EPF			9	05 10 48.8	0	05 11 15.0		
MRB			9	05 10 53.6	0	05 11 20.5		

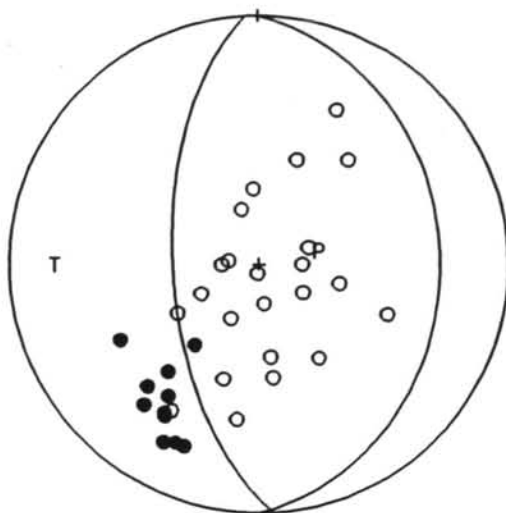
31 dic 11h 03m 04.8s 38°19'N 01°09'W
rms ±0.6s mb 2.8 N. FORTUNA.MU

EALH	E		0	11 03 14.0				70
VIV	E		0	11 03 22.5	E 0	11 03 35.0		
EVIA	E		0	11 03 24.0	E 0	11 03 40.0	0.03	0.4 120
EHUE	E		0	11 03 27.5	E 0	11 03 46.0		90
ECHE	E		0	11 03 28.3	E 0	11 03 45.0	0.03	0.6 105
ETOR	E		9	11 03 51.8	E 0	11 04 24.0		105
GUD	E		9	11 04 04.0	E 0	11 04 42.8		75

MECANISMOS FOCALES

MECANISMOS FOCALES AÑO 1990



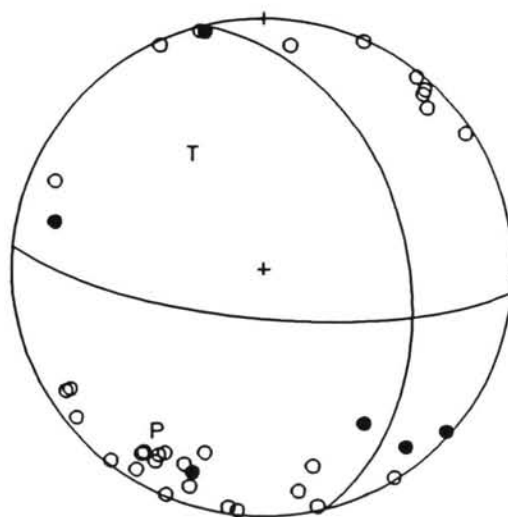
8-MARZO-1.990 DURCAL (GRANADA)

HO = 01h 37m 12.9s Lon = 3° 32.6'W Lat = 36° 54.7'N h = 627km
 mb = 4.8 $M_0 = 1.7 \times 10^{23}$ dyne-cm

	ACIMUT	BUZAMIENTO	
Eje T	268° ± 15°	17° ± 7°	
Eje P	84° ± 58°	73° ± 6°	
	ACIMUT	BUZAMIENTO	ANG.DESL.
Plano A	0° ± 41°	28° ± 7°	-88° ± 40°
Plano B	177° ± 12°	62° ± 7°	-91° ± 20°
Número de observaciones = 40			
Indice de acierto = 0.95			

- Referencia.- Buforn, E., A. Udías, J. Mezcua and R. Madariaga (1991). *A deep earthquake under South Spain, 8 March 1990*. Bull. Seism. Soc. Am. **81**, 1403-1407.

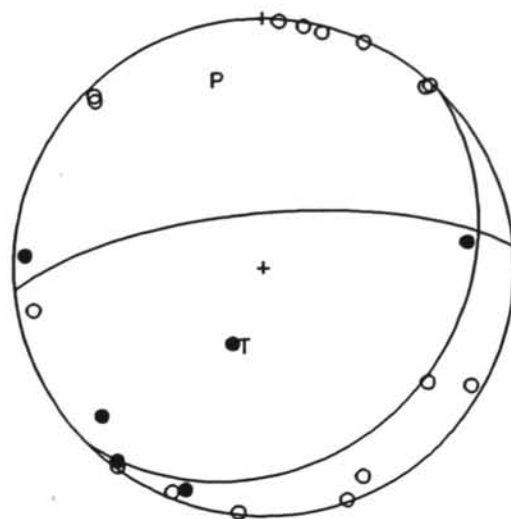
13-ABRIL-1.990 ALBORAN



HO = 22h 17m 13.7s Lon = 4° 48.9'W Lat = 35° 36.5'N h = 89km mb = 3.9

	ACIMUT	BUZAMIENTO	
Eje T	325° ± 13°	46° ± 18°	
Eje P	213° ± 17°	19° ± 13°	
	ACIMUT	BUZAMIENTO	ANG.DESL.
Plano A	346° ± 7°	42° ± 7°	156° ± 22°
Plano B	95° ± 16°	74° ± 15°	129° ± 7°
Número de observaciones = 36			
Índice de acierto = 0.83			

2-MAYO-1.990 ESTE DE FUENGIROLA



HO = 16h 40m 26.9s Lon = 4° 31.3'W Lat = 36° 31.9'N h = 95km mb = 4.2

	ACIMUT	BUZAMIENTO	
Eje T	197° ± 8°	61° ± 23°	
Eje P	344° ± 9°	25° ± 11°	
	ACIMUT	BUZAMIENTO	ANG. DESL.
Plano A	45° ± 10°	23° ± 2°	52° ± 29°
Plano B	265° ± 14°	72° ± 8°	105° ± 9°
Número de observaciones = 22			
Índice de acierto = 0.82			

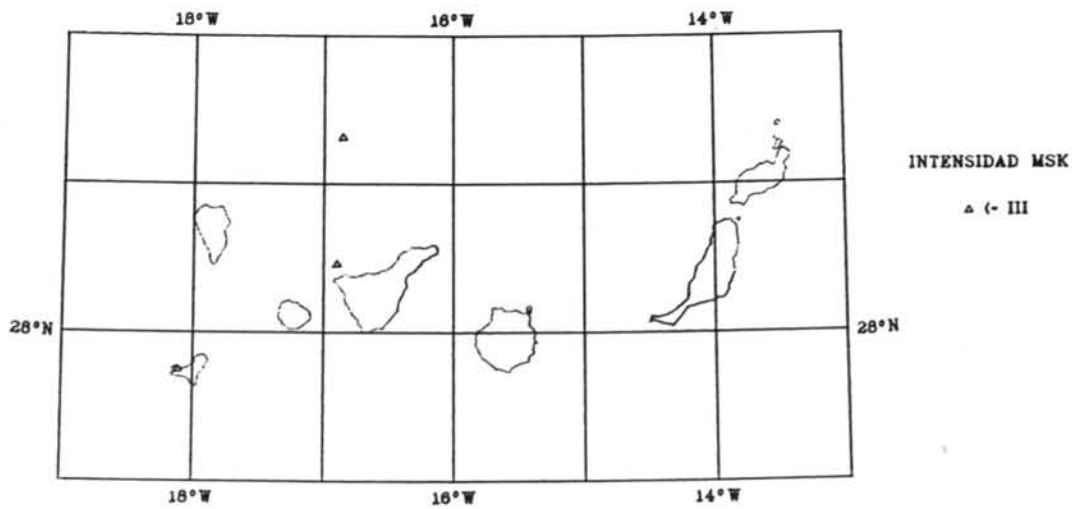
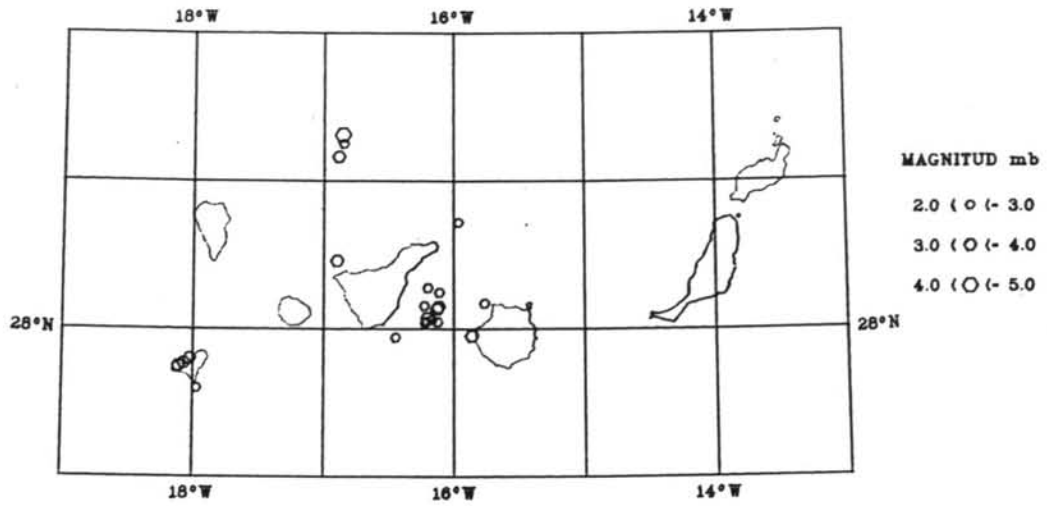
SISMICIDAD DE LAS ISLAS CANARIAS AÑO 1.990

- Resumen de sismos localizados
- Mapa de sismicidad por magnitudes
- 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 de la hora origen, en segundos
EH	Error epicentral en kilómetros
EZ	Error en profundidad en kilómetros
NO	Número de observaciones utilizadas en el cálculo
MD	Magnitud md a partir de la duración
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

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	RH	RZ	NO	AGEN	MD	INT	LOCALIZACIÓN
1990-01-06	14 23 08.9	16°12.2'W	28°04.3'N	25	±0.3	±3	±9	8	SSIS	3.1		TNFE-G.CANARIA
1990-01-08	21 23 10.4	16°53.7'W	28°27.5'N	40	±0.4	±3	±0	10	SSIS	3.7	III	S TNFE-G.CANARIA
1990-02-17	22 37 39.5	16°06.9'W	28°08.8'N	23	±0.3	±3	±9	7	SSIS	3.2		TNFE-G.CANARIA
1990-02-21	07 58 06.7	16°13.1'W	28°02.4'N	50	±0.4	±4	±4	5	SSIS	3.0		TNFE-G.CANARIA
1990-02-24	15 03 35.2	16°07.6'W	28°08.0'N	10	±0.2	±2	±3	6	SSIS	3.1		TNFE-G.CANARIA
1990-05-03	05 24 05.5	16°06.5'W	28°14.6'N	32	±0.2	±6	±6	5	SSIS	2.4		TNFE-G.CANARIA
1990-05-03	22 53 11.8	15°51.6'W	27°57.1'N	17	±0.7	±6	±7	8	SSIS	3.1		W. G.CANARIA
1990-05-20	11 20 13.7	16°51.3'W	29°18.6'N	19	±0.4	±5		8	SSIS	4.5	III	S N.LA PALMA Y TNFE
1990-05-20	13 34 15.9	16°50.8'W	29°15.1'N	18	±0.7	±8		7	SSIS	2.8		R N.LA PALMA Y TNFE
1990-06-05	21 04 25.6	18°06.5'W	27°44.9'N	37	±0.4	±5	±7	9	SSIS	3.8	III	S N.EL HIERRO
1990-06-07	05 08 30.2	18°04.1'W	27°46.0'N	32	±0.3	±3	±3	8	SSIS	3.5		N.EL HIERRO
1990-06-11	22 48 56.5	16°53.1'W	29°09.7'N	10	±0.5	±6	±6	7	SSIS	3.1		N.TNFE-LA PALMA
1990-07-23	06 48 14.6	17°58.2'W	27°35.9'N	29	±0.3	±6	±4	7	SSIS	2.4		SE.EL HIERRO
1990-08-02	23 44 37.9	15°57.7'W	28°43.0'N	15	±0.5	±2	±8	9	SSIS	2.6		NE.TENERIFE
1990-08-18	13 46 29.7	16°26.7'W	27°56.5'N	25	±0.4	±7	±1	10	SSIS	2.9		SE.TENERIFE
1990-08-18	21 58 37.1	16°07.3'W	28°02.7'N	20	±0.1	±1	±7	8	SSIS	2.2		TNFE-G.CANARIA
1990-09-07	15 02 52.0	16°12.4'W	28°02.9'N	29	±0.4	±4	±7	9	SSIS	3.0		TNFE-G.CANARIA
1990-09-12	17 05 42.4	18°01.4'W	27°47.9'N	18	±0.4	±5	±6	9	SSIS	3.3		EL HIERRO
1990-10-06	15 55 19.6	15°45.8'W	28°10.2'N	30	±0.4	±0	±3	5	SSIS	2.6		N.G.CANARIA
1990-10-06	20 17 38.2	16°09.9'W	28°03.5'N	13	±0.2	±4		6	SSIS	2.3		TNFE-G.CANARIA
1990-10-30	20 16 24.1	16°11.7'W	28°16.5'N	20	±0.4	±5	±3	7	SSIS	2.6		TNFE-G.CANARIA
1990-12-06	00 16 33.3	16°13.4'W	28°09.3'N	17	±0.3	±2	±3	8	SSIS	2.5		TNFE-G.CANARIA
1990-12-23	06 08 17.5	15°01.1'W	30°24.2'N	01	±0.2	±8	±5	7	SSIS	3.5		N.G.CANARIA



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.
PER	Período en segundos.
DUR	Duración del registro del sismo en segundos.

Nota.- En el boletín sísmico del año 1989, por un error de formatos, las lecturas de las fases S figuran erróneamente. Para determinar la verdadera hora de llegada de la fase es necesario restar al tiempo de la S los segundos de P.

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

06 ene 14h 23m 08.9s 28°04'N 16°12'W 25Km
rms ±0.3s md 3.1 TENERIFE-G.CANARIA

CTFE I	0	14	23	17.4	0	14	23	22.1	65
GGC I D	0	14	23	17.7	0	14	23	24.6	52
CFTV I	0	14	23	37.4	0	14	23	58.5	71
CHIE					0	14	23	51.1	
TBT					0	14	23	51.6	

08 ene 21h 23m 10.4s 28°28'N 16°54'W 40Km
rms ±0.4s md 3.7 III TENERIFE-G.CANARIA

CTFE I C	0	21	23	21.2	3	21	23	30.0	110
GGC I D	0	21	23	29.0	0	21	23	42.0	82
CFTV I D	0	21	23	46.4	3	21	24	13.0	128
CHIE I D	0	21	23	29.0	0	21	23	43.3	110
TBT I	0	21	23	25.8	0	21	23	36.5	117

17 feb 22h 37m 39.5s 28°09'N 16°07'W 23Km
rms ±0.3s md 3.2 TENERIFE-G.CANARIA

CTFE I D	0	22	37	46.8	0	22	37	51.4	75
GGC I D	0	22	37	47.1	0	22	37	53.4	61
CFTV I D	0	22	38	06.2	0	22	38	27.0	77
CHIE					0	22	38	23.8	

21 feb 07h 58m 06.7s 28°02'N 16°13'W 50Km
rms ±0.4s md 3.0 TENERIFE-G.CANARIA

CTFE E	0	07	58	16.0	0	07	58	24.0	48
GGC I	0	07	58	17.1	0	07	58	25.2	43
CFTV E D	3	07	58	32.2	0	07	58	56.6	60

24 feb 15h 03m 35.2s 28°08'N 16°08'W 10Km
rms ±0.2s md 3.1 TENERIFE-G.CANARIA

CTFE I D	0	15	03	42.4	0	15	03	47.5	71
GGC I D	0	15	03	43.1	0	15	03	49.6	83
CFTV					0	15	04	23.5	
CHIE					0	15	04	20.0	

03 may 05h 24m 05.5s 28°15'N 16°06'W 32Km
rms ±0.2s md 2.4 TENERIFE-G.CANARIA

CTFE E	0	05	24	11.7	0	05	24	17.0	46
GGC E	0	05	24	14.0	0	05	24	19.9	30
CFTV					0	05	24	52.6	

03 may 22h 53m 11.8s 27°57'N 15°52'W 17Km
rms ±0.7s md 3.1 W. G.CANARIA

CTFE I	0	22	53	23.1	0	22	53	31.2	67
GGC I D	0	22	53	17.7	0	22	53	20.5	70
CFTV I	0	22	53	37.0	0	22	53	55.0	68
CHIE					0	22	54	00.5	
TBT					0	22	54	01.2	

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

20 may 11h 20m 13.7s 29°19'N 16°51'W 19Km
rms ±0.4s md 4.5 III N.LA PALMA Y TENERIFE

CTFE I C	0	11	20	29.8	3	11	20	40.8	205
GGC I C	0	11	20	38.1	0	11	20	55.5	205
CFTV I D	0	11	20	51.3	3	11	21	19.6	290
CHIE					0	11	20	41.0	205
TBT I D	0	11	20	31.2					280

20 may 13h 34m 15.9s 29°15'N 16°51'W 18Km
rms ±0.7s md 2.8 N.LA PALMA Y TENERIFE

CTFE					0	13	34	42.0	15
GGC E	4	13	34	40.5	0	13	34	57.1	
CFTV E	0	13	34	54.0	0	13	35	20.0	56
CHIE					0	13	35	03.0	
TBT E	0	13	34	33.8	0	13	34	45.1	45

05 jun 21h 04m 25.6s 27°45'N 18°06'W 37Km
rms ±0.4s md 3.8 III N.EL HIERRO

CTFE I D	0	21	04	53.0	0	21	05	13.2	65
GGC I C	0	21	04	58.5	0	21	05	22.7	80
CFTV E	0	21	05	18.0	0	21	05	56.2	130
CHIE I C	0	21	04	31.4					130
TBT I C	0	21	04	40.5	0	21	04	52.2	130

07 jun 05h 08m 30.2s 27°46'N 18°04'W 32Km
rms ±0.3s md 3.5 N.EL HIERRO

CTFE					3	05	09	18.0	25
GGC I	0	05	09	03.0	0	05	09	26.8	60
CFTV I C	0	05	09	22.0	0	05	10	00.2	80
CHIE I C	0	05	08	35.3	0	05	08	39.0	120
TBT I C	0	05	08	44.8	0	05	08	56.2	90

11 jun 22h 48m 56.5s 29°10'N 16°53'W 10Km
rms ±0.5s md 3.1 N.TENERIFE-LA PALMA

CTFE I	0	22	49	11.6					45
GGC E	0	22	49	20.0	0	22	49	36.5	40
CHIE E	0	22	49	22.9	0	22	49	42.7	55
TBT E	0	22	49	13.0	0	22	49	24.8	70

23 jul 06h 48m 14.6s 27°36'N 17°58'W 29Km
rms ±0.3s md 2.4 SE.EL HIERRO

GGC					0	06	49	09.8	15
CHIE I D	0	06	48	20.0	0	06	48	22.8	50
TBT E	0	06	48	31.0	0	06	48	44.5	40
CFTV					0	06	49	44.0	15
CCAN					0	06	48	50.9	10

02 ago 23h 44m 37.9s 28°43'N 15°58'W 15Km
rms ±0.5s md 2.6 NE.TENERIFE

GGC I D	0	23	44	49.7	0	23	44	56.8	60
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EST I/E W HORA P I/E W HORA S AMP PER DUR

CHIE 0 23 45 30.5 15
 TBT E 0 23 45 03.9 0 23 45 22.5
 CFTV E 0 23 45 03.9 0 23 45 21.8 45
 CCAN I 0 23 44 50.8 0 23 45 00.0 47

18 ago 13h 46m 29.7s 27°56'N 16°27'W 25Km
 rms ±0.4s md 2.9 SE.TENERIFE

CTFE E 3 13 46 40.0 3 13 46 47.1 65
 GGC I 0 13 46 41.9 0 13 46 51.0 46
 TBT E 0 13 46 53.2 0 13 47 08.2 45
 CFTV E 0 13 47 01.3 0 13 47 24.9 51
 CCAN I D 0 13 46 36.3 0 13 46 41.0 53

18 ago 21h 58m 37.1s 28°03'N 16°07'W 20Km
 rms ±0.1s md 2.2 TENERIFE-G.CANARIA

CTFE I D 0 21 58 45.4 0 21 58 51.3 35
 GGC I C 0 21 58 45.0 0 21 58 51.0 28
 TBT 0 21 59 21.5 12
 CFTV 0 21 59 25.0 16
 CCAN I C 0 21 58 45.6 0 21 58 51.7 35

07 sep 15h 02m 52.0s 28°03'N 16°12'W 29Km
 rms ±0.4s md 3.0 TENERIFE-G.CANARIA

CCAN I D 0 15 03 00.0 2 15 03 05.0 100
 CTFE I 0 15 03 00.6 3 15 03 05.0 100
 GGC I C 0 15 03 01.0 3 15 03 09.0 60
 CHIE 3 15 03 33.8 36
 TBT 0 15 03 34.8 35
 CFTV 0 15 03 41.6 38

12 sep 17h 05m 42.4s 27°48'N 18°01'W 18Km
 rms ±0.4s md 3.3 EL HIERRO

CCAN I C 0 17 06 03.0 0 17 06 18.0 45
 GGC 0 17 06 37.5 25
 CHIE I C 0 17 05 46.3 0 17 05 48.2 85
 TBT I C 0 17 05 56.0 0 17 06 07.4 80
 CFTV I C 0 17 06 33.4 0 17 07 10.8 57

06 oct 15h 55m 19.6s 28°10'N 15°46'W 30Km
 rms ±0.4s md 2.6 N.G.CANARIA

CCAN 0 15 55 41.0
 GGC I C 0 15 55 24.9 35
 CTFE 0 15 55 36.4
 CFTV E 0 15 55 43.0 0 15 55 58.8 38

06 oct 20h 17m 38.2s 28°04'N 16°10'W 13Km
 rms ±0.2s md 2.3 TENERIFE-G.CANARIA

CCAN I D 0 20 17 45.8 0 20 17 51.7 32
 GGC I D 0 20 17 46.8 0 20 17 52.8 27
 CTFE I 0 20 17 46.3 0 20 17 51.7 40

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

30 oct 20h 16m 24.1s 28°16'N 16°12'W 20Km
 rms ±0.4s md 2.6 TENERIFE-G.CANARIA

CCAN I D 0 20 16 32.0 0 20 16 35.9 41
 GGC I C 0 20 16 33.5 0 20 16 39.7 44
 CTFE I D 9 20 16 31.5 0 20 16 35.2 45
 TBT 0 20 17 05.3
 CFTV 0 20 17 12.8

06 dic 00h 16m 33.3s 28°09'N 16°13'W 17Km
 rms ±0.3s md 2.5 TENERIFE-G.CANARIA

CCAN I C 0 00 16 40.4 0 00 16 44.7 50
 GGC I C 0 00 16 42.1 0 00 16 49.3 32
 CTFE I 0 00 16 40.1 0 00 16 44.3 32
 TBT 0 00 17 15.0
 CFTV 0 00 17 23.0

23 dic 06h 08m 17.5s 30°24'N 15°01'W 01Km
 rms ±0.2s md 3.5 N.G.CANARIA

CFTV I 0 06 08 50.9 50
 CTFE I 0 06 08 51.9 0 06 09 17.3 51
 GGC 0 06 08 53.8 0 06 09 20.7 47
 TBT I 0 06 09 03.1 0 06 09 38.4 49

ESCALA DE INTENSIDAD M.S.K.

1. DEFINICIÓN DE LA ESCALA DE INTENSIDAD M.S.K.

1.1. EFECTOS QUE DEFINEN LOS GRADOS DE INTENSIDAD M.S.K.

Los grados de intensidad de la escala M.S.K. se definen por:

- a) Los fenómenos sentidos por las personas y percibidos en su medio ambiente.
- b) Los daños producidos en las construcciones según sus diversos tipos.
- c) Los cambios advertidos en la naturaleza.

1.2. TIPOS DE CONSTRUCCIONES.

Para la estimación de los daños se consideran las construcciones no proyectadas para resistir acciones sísmicas y se clasifican en tres tipos:

Tipo A.

Con muros de ampostería en seco o con barro, de adobes, de tapial.

Tipo B.

Con muros de fábrica de ladrillo, de bloques de mortero, de mampostería con mortero, de sillarejo, de sillería, entramados de madera.

Tipo C.

Con estructura metálica o de hormigón armado.

1.3. TÉRMINOS DE CANTIDAD.

Los términos de cantidad utilizados en la definición de los grados de intensidad corresponden aproximadamente a los siguientes porcentajes:

Algunos	5 por 100
Muchos	50 por 100
La Mayoría	75 por 100

1.4. CLASIFICACIÓN DE LOS DAÑOS EN LAS CONSTRUCCIONES.

Los daños producidos en una construcción se clasifican como sigue:

Clase 1.

Daños ligeros.- Fisuras en los revestimientos, caída de pequeños trozos de revestimiento.

Clase 2.

Daños moderados.- Fisuras en los muros, caída de grandes trozos de revestimiento, caída de tejas, caída de pretilas, grietas en las chimeneas e incluso derrumbamientos parciales en las mismas.

Clase 3.

Daños graves.- Grietas en los muros, caída de chimeneas de fábrica o de otros elementos exentos.

Clase 4.

Destrucción.- Brechas en los muros resistentes, derrumbamiento parcial, pérdida del enlace entre distintas partes de la construcción, destrucción de tabiques y muros de cerramiento.

Clase 5.

Colapso.- Ruina completa de la construcción.

2. DESCRIPCIÓN DE LOS GRADOS DE INTENSIDAD M.S.K.

Grado I.

La sacudida no es percibida por los sentidos humanos, siendo detectada y registrada solamente por los sismógrafos.

Grado II.

La sacudida es perceptible solamente por algunas personas en reposo, en particular en los pisos superiores de los edificios.

Grado III.

La sacudida es percibida por algunas personas en el interior de los edificios y sólo en circunstancias muy favorables en el exterior de los mismos. La vibración percibida es semejante a la causada por el paso de un camión ligero. Observadores muy atentos pueden notar ligeros balanceos de objetos colgados, más acentuados en los pisos altos de los edificios.

Grado IV.

El sismo es percibido por muchas personas en el interior de los edificios y por algunas en el exterior. Algunas personas que duermen se despiertan, pero nadie se atemoriza. La vibración es comparable a la producida por el paso de un camión pesado con carga. Las ventanas, puertas y vajillas vibran. Los pisos y muros producen chasquidos. El mobiliario comienza a moverse. Los líquidos contenidos en recipientes abiertos se agitan ligeramente. Los objetos colgados se balancean ligeramente.

Grado V.

a) El sismo es percibido en el interior de los edificios por la mayoría de las personas y por muchas en el exterior. Muchas personas que duermen se despiertan y algunas huyen. Los animales se ponen nerviosos. Las construcciones se agitan con una vibración general. Los objetos colgados se balancean ampliamente. Los cuadros golpean sobre los muros o son lanzados fuera de su emplazamiento. En algunos casos los relojes de péndola se paran. Los objetos ligeros se desplazan o vuelcan. Las puertas o ventanas abiertas batien con violencia. Se vierten en pequeña cantidad los líquidos contenidos en recipientes abiertos y llenos. La vibración se siente en la construcción como la producida por un objeto pesado arrastrándose.

b) En las construcciones de tipo A son posibles ligeros daños (clase 1).

c) En ciertos casos se modifica el caudal de los manantiales.

Grado VI.

a) Lo sienten la mayoría de las personas, tanto dentro como fuera de los edificios. Muchas personas salen a la calle atemorizadas. Algunas personas llegan a perder el equilibrio. Los animales domésticos huyen de los establos. En algunas ocasiones, la vajilla y la cristalería se rompen, los libros caen de sus estantes, los cuadros se mueven y los objetos inestables vuelcan. Los muebles pesados pueden llegar a moverse. Las campanas pequeñas de las torres y campanarios pueden sonar.

b) Se producen daños moderados (clase 2) en algunas construcciones del tipo A. Se producen daños ligeros (clase 1) en algunas construcciones del tipo B y en muchas del tipo A.

c) En ciertos casos pueden abrirse grietas de hasta un centímetro de ancho en suelos húmedos. Pueden producirse deslizamientos en las montañas. Se observan cambios en el caudal de los manantiales y en el nivel de agua de los pozos.

Grado VII.

a) La mayoría de las personas se aterroriza y corre a la calle. Muchas tienen dificultad para mantenerse en pie. Las vibraciones son sentidas por personas que conducen automóviles. Suenan las campanas grandes.

b) Muchas construcciones del tipo A sufren daños graves (clase 3) y algunas incluso destrucción (clase 4). Muchas construcciones del tipo B sufren daños moderados (clase 2). Muchas construcciones del tipo C experimentan daños ligeros (clase 1).

c) En algunos casos, se producen deslizamientos en las carreteras que transcurren sobre laderas con pendientes acusadas; se producen daños en las juntas de las canalizaciones y aparecen fisuras en muros de piedra.

Se aprecia oleaje en las lagunas y el agua se enturbia por remoción del fango. Cambia el nivel del agua de los pozos y el caudal de los manantiales. En algunos casos, vuelven manar manantiales que estaban secos y se secan otros que manaban. En ciertos casos se producen derrames en taludes de arena o grava.

Grado VIII.

a) Miedo pánico general, incluso en las personas que conducen automóviles. En algunos casos se desgajan las ramas de los árboles. Los muebles, incluso pesados, se desplazan o vuelcan. Las lámparas colgadas sufren daños parciales.

b) Muchas construcciones de tipo A sufren destrucción (clase 4) y algunas colapso (clase 5).

Muchas construcciones de tipo B sufren daños graves (clase 3) y algunas destrucción (clase 4).

Muchas construcciones de tipo C sufren daños moderados (clase 2) y algunas graves (clase 3).

En ocasiones, se produce la rotura de algunas juntas de canalizaciones. Las estatuas y monumentos se mueven y giran. Se derrumban muros de piedra.

c) Pequeños deslizamientos en las laderas de los barrancos y en las trincheras y terraplenes con pendientes pronunciadas. Grietas en el suelo de varios centímetros de ancho. Se enturbia el agua de los lagos. Aparecen nuevos manantiales. vuelven a tener agua pozos secos y se secan pozos existentes. En muchos casos cambia el caudal y el nivel del agua de los manantiales y pozos.

Grado IX.

a) Pánico general. Daños considerables en el mobiliario. Los animales corren confusamente y emiten sus sonidos peculiares.

b) Muchas construcciones del tipo A sufren colapso 50% (clase 5). Muchas construcciones del tipo B sufren destrucción (clase 4) y algunas colapso (clase 5).

Muchas construcciones del tipo C sufren daños graves (clase 3) y algunas destrucción (clase 4).

Caen monumentos y columnas. Daños considerables en depósitos de líquidos. Se rompen parcialmente las canalizaciones subterráneas. En algunos casos, los carriles del ferrocarril se curvan y las carreteras quedan fuera de servicio.

c) Se observa con frecuencia que se producen extrusiones de agua, arena y fango en los terrenos saturados. Se abren grietas en el terreno de hasta 10 centímetros de ancho y de más de 10 centímetros en las laderas y en las márgenes de los ríos. Aparecen, además, numerosas grietas pequeñas en el suelo. Desprendimientos de rocas y aludes. Muchos deslizamientos de tierras. grandes olas en lagos y embalses. Se renuevan pozos secos y se secan otros existentes.

Grado X.

b) La mayoría de las construcciones del tipo A sufren colapso (clase 5). Muchas construcciones de tipo B sufren colapso (clase 5). Muchas construcciones de tipo c sufren destrucción (clase 4) y algunas colapso (clase 5). Daños peligrosos en presas; daños serios en puentes. Los carriles de las vías férreas se desvían y a veces se ondulan. Las canalizaciones subterráneas son retorcidas o rotas. El pavimento de las calles y el asfalto forman grandes ondulaciones.

c) Grietas en el suelo de algunos decímetros de ancho que pueden llegar a un metro. Se producen anchas grietas paralelamente a los cursos de agua. Deslizamientos de tierras sueltas en las laderas con fuertes pendientes. En los ribazos de los ríos y en las laderas escarpadas se producen considerables deslizamientos. Desplazamientos de arenas y fangos en las zonas litorales. Cambio de nivel de agua en pozos. El agua de canales y ríos es lanzada fuera del cauce normal. Se forman nuevos lagos.

Grado XI.

b) Daños importantes en construcciones, incluso en las bien realizadas, en puentes, presas y líneas de ferrocarril. Las carreteras importantes quedan fuera de servicio. Las canalizaciones subterráneas quedan destruidas.

c) El terreno queda considerablemente deformado tanto por desplazamientos horizontales como verticales y con anchas grietas. Muchos deslizamientos de terrenos y caídas de rocas.

Para determinar la intensidad de las sacudidas sísmicas se precisan investigaciones especiales.

Grado XII.

b) Prácticamente se destruyen o quedan gravemente dañadas todas las estructuras, incluso las subterráneas.

c) La topografía cambia. Grandes grietas en el terreno con importantes desplazamientos horizontales y verticales. Caídas de rocas y hundimientos en los escarpes de los valles producidas en vastas extensiones. Se cierran valles y se transforman en lagos. Aparecen cascadas y se desvían los ríos.

