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INSTITUTO GEOGRAFICO NACIONAL

BOLETIN DE SISMOS PROXIMOS 1988

MADRID, 1991

INSTITUTO GEOGRAFICO NACIONAL

BOLETIN DE SISMOS PROXIMOS

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INDICE

INTRODUCCION

El **Servicio Nacional de Sismologia** del **INSTITUTO GEOGRAFICO NACIONAL** presenta en esta publicación la actividad sísmica localizada por la **Red Sísmica Nacional** durante el año de 1.988.

Durante este año, el Instituto Geográfico, ha ampliado la Red con cinco estaciones de corto periodo (1 segundo), trañsmitidas en tiempo real via teléfono al Centro de Recepción de Datos situado en Madrid, con registro analógico y digital a una frecuencia de muestreo de 100 mps. Estas nuevas estaciones están situadas en Melilla, Mondoñedo (Lugo), Selva (Mallorca), Terrades (Gerona) y Torete (Guadalajara). Este Instituto agradece la colaboración y facilidades dadas por las Corporaciones Locales y autoridades en general en la construcción e instalación de dichas estaciones en terrenos de propiedad comunal.

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 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. Las lecturas de los registros y las localizaciones hipocentrales de este capítulo han sido realizadas en el Servicio Regional del Instituto Geográfico Nacional en Canarias.

Con el fin de precisar al máximo posible la localización, asi como para realizar el cálculo del mecanismo focal, se han utilizado los datos de estaciones sísmicas dependientes de otros organismos españoles -*Hidroeléctrica de Catalunya, Observatorio del Ebro, Real Academia de Ciencias y Artes de Barcelona, Real Instituto y Observatorio de la Armada, SECEG, Servei Geologic de Catalunya, Universidad de Granada*- y los suministrados por organismos extranjeros -*C.R.A.A.G. (Argelia), Institut de Physique de Globe de Paris (Francia), Laboratoire de Détection et de Géophysique (Francia), Service de Physique du Globe (Marruecos), Instituto Nacional de Meteorología e Geofísica (Portugal)*.

La información macrosismica ha sido recopilada mediante el envio 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 en caso de terremoto sentido. Los datos macrosísmicos en la parte francesa de los Pirineos han sido recogidos como siempre 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 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 onda **Lg**, obteniendose $m_b(Lg)$ de acuerdo con las expresiones siguientes (**Mezcua y M.Solares 1983**):

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

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

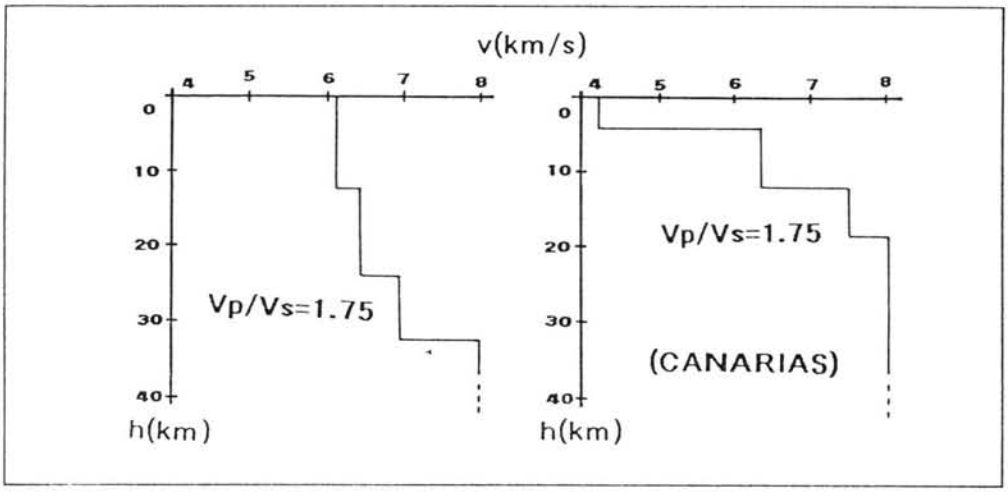


Figura 1: Modelos de corteza empleados en el cálculo de los sismos mediante el programa HYPO71.

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

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

$$m_d = -0.87 + 2\log(T'') + 0.0035D$$

Siendo **T''** la duración en segundos y **D** la distancia epicentral en kilometros.

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 asi como sus desviaciones típicas **(Udias y Buforn, 1988).**

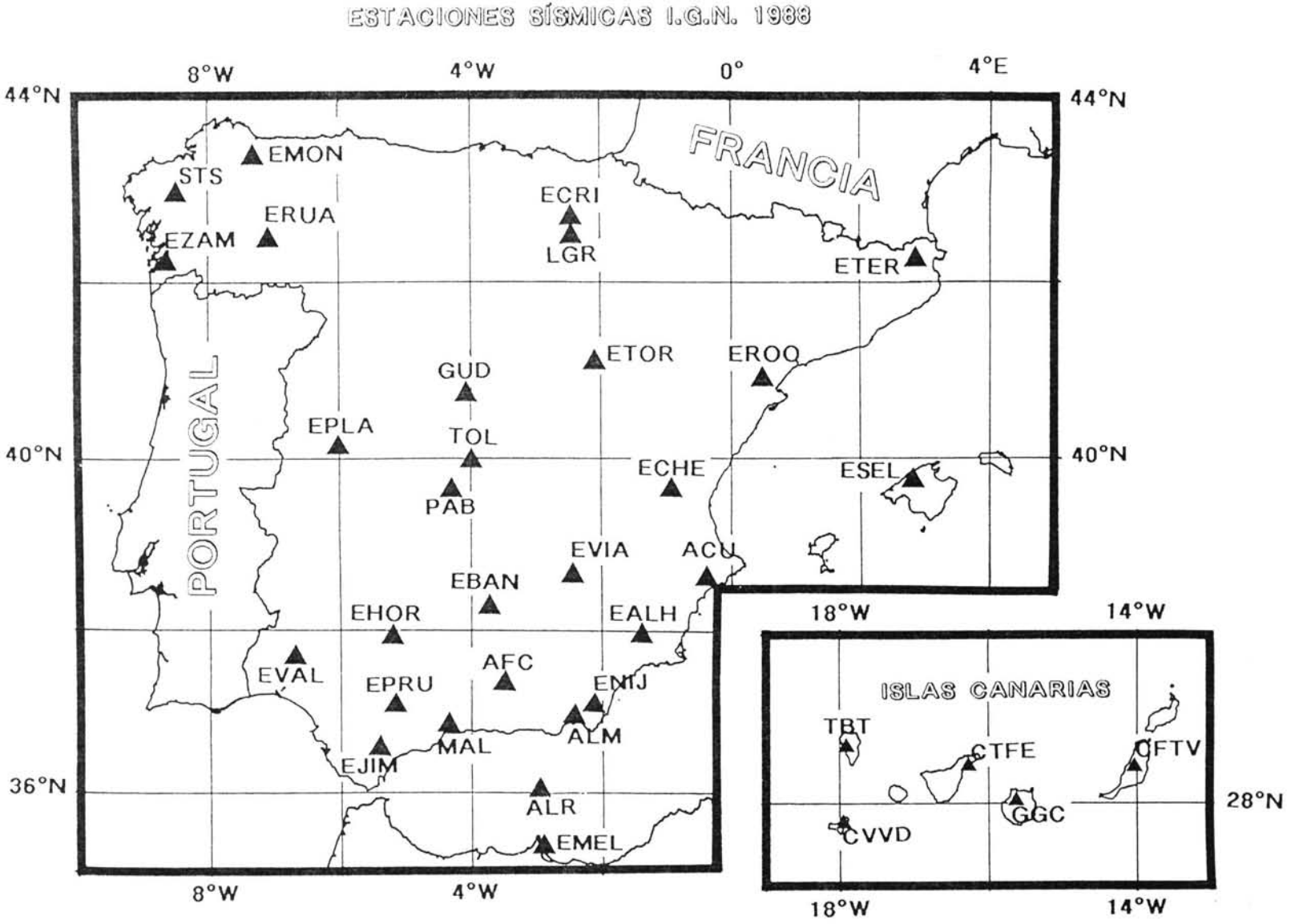
Referencias:

- **Brillinger, D.R. Udias, A. and bolt, B.A., (1980). A probability model for regional focal mechanism solutions.** *Bull. Seism. Soc. Am., 70:149-170.*
- **Lee, W.H.K. and Lahr, J.C., (1975). HYPO71 (revised): a computer program for determining hypocenter magnitude and first motion pattern of local earthquakes.** *U.S. Geol. Survey, Open-File Rep. 75-311*
- **Mezcua, J. y Martínez Solares, J.M., (1983). Sismicidad del área Ibero-Mogrebí.** *Instituto Geográfico Nacional, Madrid, pub. 203, 299pp.*
- **Udias, A. and Buforn, E., (1988). Single and joint fault-plane solutions from first motion data.** *D.Doonbos Edit. Seismological Algorithms. Academic Press, London 443-453.*

Madrid, abril de 1.991

ESTACIONES SISMICAS DEL INSTITUTO GEOGRAFICO NACIONAL

ESTACION	CODIGO	Longitud	Latitud	Alt.	Comp.	T_o	Registro
AGUARIJO-EL HIERRO	CVVD	17° 56' 10'' W	27° 49' 15'' N	450	Z	1	Tinta 60 mm/'
ALBORAN	ALR	03° 02' 06'' W	35° 56' 21'' N	10	ZNE	1	Tinta 60 mm/'
ALFACAR-GRANADA	AFC	03° 32' 42'' W	37° 15' 16'' N	1.490	Z	1	Térmico 60 mm/'& Digital
ALHAMA-MURCIA	EALH	01° 25' 11'' W	37° 51' 29'' N	294	Z	1	Térmico 60 mm/'& Digital Tinta 60
ALMERIA	ALM	02° 27' 35'' W	36° 51' 09'' N	65	ZNE	1.3	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	Tinta 120 mm/'
CANALOBRE-ALICANTE	ACU	00° 24' 38'' W	38° 30' 41'' N	580	Z	1	Térmico 60 mm/'& Digital
CHERA-VALENCIA	ECHE	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
GUADARRAMA-MADRID	GUD	04° 09' 13'' W	40° 38' 35'' N	1.268	Z	1	Térmico 60 mm/'& Digital
GUIA-GRAN CANARIA	GGC	15° 38' 12'' W	28° 07' 11'' N	560	Z	1	Tinta 120 mm/'
HORNACHUELOS-CORDOBA	EHOR	05° 14' 53'' W	37° 49' 23'' N	160	Z	1	Térmico 60 mm/'& Digital
JIMENA-CADIZ	EJIM	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	ZNE	0.85	Tinta 120 mm/'
LOGROÑO	LGR	02° 30' 12'' W	42° 27' 28'' N	446	ZNE	1.3	Tinta 90 mm/'
MALAGA	MAL	04° 24' 40'' W	36° 43' 39'' N	60	ZNE		Térmico 60 mm/'
MELILLA	EMEL	02° 57' 24'' W	35° 18' 00'' N	85	Z	1	Térmico 60 mm/'& Digital
MONDOÑEDO-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 CORUÑA	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		Térmico 60 mm/'& Digital
TORETE-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



INSTITUTO GEOGRÁFICO NACIONAL

SISMICIDAD AÑO 1.988

-Resumen de sismos localizados

-Mapa de sismicidad por magnitudes

-Mapa de sismicidad por intensidades

-Datos del cálculo hipocentral

LEYENDA

FECHA	Año - mes - dia
HORA	Hora origen (GMT)
LONGITUD	Longitud en grados, minutos y decimas
LATITUD	Latitud en grados, minutos y decimas
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
AGEN	**Servicio Nacional de Sismologia, IGN España**
MAG	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

RESUMEN DE SISMOS LOCALIZADOS

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1988-01-02	08-25-57.5	00-41.9 W	38-38.3 N	18	0.4	2	3	11	SSIS	2.7			ONIL.A
1988-01-02	11-47-48.3	00-42.9 W	38-38.9 N	16	0.3	1	2	13	SSIS	2.9			ONIL.A
1988-01-02	11-55-15.2	00-44.0 W	38-36.5 N	14	0.2			7	SSIS	2.5			ONIL.A
1988-01-03	03-42-40.7	04-35.6 W	37-44.1 N	3	0.7	1	2	53	SSIS	3.8	IV-V		SANTA CRUZ.CO
1988-01-03	08-04-06.7	01-00.7 W	43-13.2 N	11	0.3	3	2	13	SSIS	2.7			PIRINEOS.FR
1988-01-04	11-35-15.0	04-34.7 W	37-44.8 N	2	0.6	2	3	27	SSIS	3.2		R	SANTA CRUZ.CO
1988-01-04	12-10-39.4	04-35.5 W	37-44.1 N	6	0.4	1	1	32	SSIS	3.4		R	SANTA CRUZ.CO
1988-01-07	23-46-49.9	01-03.7 W	38-12.0 N	9	0.3	2	2	20	SSIS	3.4	IV-V		ABANILLA.MU
1988-01-12	07-38-08.8	03-22.1 W	37-51.0 N	10	0.7	3	5	17	SSIS	3.0			JODAR.J
1988-01-12	14-14-29.1	07-00.0 W	42-42.7 N	1	0.3	2	1	9	SSIS	2.9			PIEDRAFITA.LU
1988-01-16	07-32-18.0	10-10.7 W	35-53.8 N		1.1	8		14	SSIS	3.3			ATLANTICO
1988-01-18	19-04-26.0	01-17.8 W	37-51.7 N	1	0.5	2	2	14	SSIS	3.3			SIERRA CARRASCOY.MU
1988-01-22	03-44-41.6	11-46.1 W	39-38.1 N	27	0.6	8		36	SSIS	3.5			ATLANTICO
1988-01-24	01-53-06.2	03-30.4 W	35-21.2 N	31	0.6	4		12	SSIS	2.9			NE. CABO QUILATES
1988-01-26	08-00-15.8	06-36.6 W	36-22.3 N	21	0.6	3	3	54	SSIS	3.9			GOLFO DE CADIZ
1988-01-31	15-09-15.3	08-25.5 W	41-12.7 N	16	0.6	2	2	46	SSIS	4.1	IV-V		PORTO.PORT
1988-02-04	02-49-32.2	07-26.5 W	35-48.8 N	32	0.8	8		16	SSIS	3.2			GOLFO DE CADIZ
1988-02-05	17-13-31.9	14-26.7 W	37-30.8 N	30	0.5	9		35	SSIS	3.7			ATLANTICO
1988-02-06	19-58-28.6	01-59.4 W	37-19.2 N	10	0.6			11	SSIS	2.8			ZURGENA.AL
1988-02-08	07-00-13.9	00-47.1 W	39-03.4 N	6	0.5	2	2	29	SSIS	3.4	IV		NAVARRES.V
1988-02-10	06-38-08.3	05-25.7 W	37-02.5 N	2	0.5	2	2	20	SSIS	2.9			MORON.SE
1988-02-10	06-38-57.5	05-25.7 W	37-03.7 N	7	0.6	2	3	21	SSIS	3.1			MORON.SE
1988-02-10	08-26-53.4	03-36.1 W	37-29.8 N	7	0.4	1	1	22	SSIS	3.0			CAMPOTEJAR.GR
1988-02-11	12-32-01.4	03-24.1 W	37-41.0 N	5	0.2	2	6	11	SSIS	2.6			BELMEZ MORALEDA.J
1988-02-11	14-11-25.0	06-18.5 W	37-54.2 N	1	0.4	2	2	13	SSIS	2.9			STA OLALLA CALA.H
1988-02-11	14-51-26.7	00-38.1 W	43-27.6 N	1	0.5	3	3	16	SSIS	3.3	IV		ARTHEZ.FR
1988-02-12	16-23-53.8	07-20.0 W	40-34.1 N		0.2	2		6	SSIS	2.9			GUARDA.PORT
1988-02-13	01-47-40.7	01-52.0 E	36-05.9 N	21	0.7	4	6	41	SSIS	4.0			OULAD BOU JAMAA.ARG
1988-02-19	00-45-36.3	07-06.7 W	36-33.7 N	28	0.7	7		18	SSIS	3.2			GOLFO DE CADIZ
1988-02-19	07-52-32.4	01-12.6 W	38-25.1 N	3	0.3	1	2	13	SSIS	2.7			SIERRA D CARCHE.MU
1988-02-19	08-47-29.0	01-26.5 E	42-33.1 N		0.6	3		10	SSIS	3.1			W. ANDORRA.AND
1988-02-20	13-11-56.7	01-26.9 E	42-22.0 N	6	0.3	1	1	16	SSIS	3.2		P	SEO DE URGEL.L
1988-02-20	13-16-41.1	01-26.2 E	42-21.6 N	5	0.4	2	2	17	SSIS	3.1		P	SEO DE URGEL.L
1988-02-20	13-32-59.3	01-28.6 E	42-21.8 N	1	0.5	1	1	29	SSIS	3.6	IV		SEO DE URGEL.L
1988-02-20	15-50-32.5	01-27.0 E	42-22.1 N	4	0.3	1	1	16	SSIS	3.1		R	SEO DE URGEL.L
1988-02-20	16-38-45.6	01-27.1 E	42-21.7 N	1	0.5	1	1	33	SSIS	3.8	IV		SEO DE URGEL.L
1988-02-20	18-38-15.8	07-29.9 W	36-47.1 N	26	0.7	3	5	46	SSIS	3.7			GOLFO DE CADIZ
1988-02-20	18-56-57.1	01-26.8 E	42-22.2 N	4	0.5	2	2	14	SSIS	2.9		R	SEO DE URGEL.L
1988-02-20	19-01-55.5	01-24.6 E	42-21.9 N	1	0.4	2	2	11	SSIS	2.7		R	SEO DE URGEL.L
1988-02-20	19-14-14.5	01-25.0 E	42-21.1 N	8	0.4	2	2	13	SSIS	2.8		R	SEO DE URGEL.L
1988-02-20	20-40-54.7	01-27.7 E	42-22.2 N	2	0.5	1	1	29	SSIS	3.6	IV		SEO DE URGEL.L
1988-02-20	21-03-55.8	01-28.8 E	42-22.8 N	3	0.4	1	2	19	SSIS	3.3		R	SEO DE URGEL.L
1988-02-24	23-43-51.7	08-04.1 W	36-11.2 N	14	0.5	2	3	36	SSIS	3.4			GOLFO DE CADIZ
1988-02-26	01-05-42.8	05-48.4 W	36-34.1 N	24	0.3	2	2	12	SSIS	2.8			PATERNA RIVERA.CA
1988-02-26	17-32-04.9	06-06.1 W	35-14.6 N	100	0.7	3	6	38	SSIS	3.3			LARACHE.MAC
1988-02-27	13-54-36.3	04-41.5 W	36-40.1 N	31	0.4	3	4	10	SSIS	2.8			ALHAURIN GRANDE.MA
1988-02-29	12-08-13.1	05-21.5 W	37-00.6 N	1	0.4	1	3	17	SSIS	2.9			MORON.SE
1988-02-29	18-08-45.1	05-18.5 W	39-07.0 N	7	0.2	2	2	9	SSIS	2.9			CASAS DON PEDRO.BA
1988-03-01	00-39-16.7	04-51.2 W	36-35.6 N	25	0.3	1	1	11	SSIS	2.7			OJEN.MA
1988-03-03	12-58-53.6	11-08.9 W	36-28.7 N	33	0.9	6		18	SSIS	3.3			ATLANTICO
1988-03-04	01-49-35.8	05-47.0 W	36-20.6 N	1	0.7	2	3	22	SSIS	3.0			BENALUP SIDONIA.CA
1988-03-06	00-55-05.2	07-27.9 W	36-30.0 N	31	0.8	4		12	SSIS	3.0			GOLFO DE CADIZ
1988-03-06	19-01-26.1	03-51.7 W	35-31.6 N	6	0.4	3	4	12	SSIS	2.8			ALBORAN
1988-03-10	20-39-35.5	09-38.0 W	33-18.5 N	15	0.7	8		29	SSIS	3.9			ATLANTICO
1988-03-11	19-59-43.0	02-17.0 W	37-15.4 N	2	0.5	3	4	12	SSIS	2.8			CHERCOS.AL
1988-03-13	11-20-15.8	00-39.2 W	35-54.6 N		0.7	8		13	SSIS	3.2			N. ORAN
1988-03-14	08-22-13.2	04-58.6 W	36-50.3 N	7	0.5	2	3	17	SSIS	2.6			EL BURGO.MA
1988-03-14	08-33-09.3	04-58.6 W	36-49.4 N	9	0.6	3	3	19	SSIS	2.7			EL BURGO.MA
1988-03-16	11-34-47.0	06-15.6 W	37-50.0 N	7	0.7	6	7	12	SSIS	2.8			ZUFRE.H
1988-03-16	21-19-00.5	02-08.8 E	42-19.9 N	1	0.5	1	1	30	SSIS	3.6	IV		RIBAS DE FRESSER.GE

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1988-03-17	00-01-23.0	05-45.4 W	36-20.3 N	1	0.6	2	2	25	SSIS	3.0			BENALUP SIDONIA.CA
1988-03-17	15-37-27.1	02-10.4 E	42-20.7 N	1	0.5	2	2	16	SSIS	3.2	III	R	RIBAS DE FRESSER.GE
1988-03-19	06-57-18.2	02-57.0 W	36-38.0 N	3	0.4	3	5	16	SSIS	2.7			S. ADRA
1988-03-20	19-32-46.1	02-07.3 W	37-06.8 N	1	0.6	4	4	12	SSIS	2.8			SORBAS.AL
1988-03-20	19-44-47.1	02-04.6 W	37-07.1 N	4	0.3	2	2	20	SSIS	3.1			SORBAS.AL
1988-03-20	22-47-34.1	02-05.9 W	37-05.9 N	2	0.4	5	6	8	SSIS	2.7			SORBAS.AL
1988-03-24	00-32-17.9	04-30.1 W	38-49.8 N	1	0.7	2	3	14	SSIS	2.9			ABENOJAR.CR
1988-03-25	10-27-32.1	02-34.9 W	36-59.1 N	10	0.8	5	6	19	SSIS	2.8			ALHABIA.AL
1988-03-26	21-31-02.2	00-01.8 E	43-01.2 N	1	0.7	2	2	18	SSIS	3.1	III		LOURDES.FR
1988-03-28	13-00-31.9	02-19.1 W	37-28.8 N	25	0.4	2	5	11	SSIS	2.8			ORIA.AL
1988-03-29	13-38-35.7	06-17.6 W	38-33.2 N	5	0.4	1	2	21	SSIS	3.3			VFRANCA D BARROS.BA
1988-03-29	20-16-05.2	07-09.6 W	43-02.2 N	1	0.5	2	2	12	SSIS	3.3			BALEIRA.LU
1988-04-01	04-21-51.7	03-37.5 W	37-12.0 N	10	0.3	1	2	15	SSIS	2.6			GRANADA.GR
1988-04-01	17-43-51.3	04-24.3 W	37-01.7 N	14	0.3	2	3	9	SSIS	2.9			ARCHIDONA.MA
1988-04-01	21-15-18.4	00-35.2 W	37-53.8 N	11	0.2	5	7	6	SSIS	2.7	III	S	SE. TORREVIEJA
1988-04-03	04-12-04.4	03-16.6 W	35-44.0 N	5	0.6	9		8	SSIS	2.8			ALBORAN
1988-04-03	17-13-47.1	02-06.9 E	42-23.8 N	6	0.7	2	3	20	SSIS	3.2			PIRINEOS
1988-04-05	03-05-56.2	04-29.0 E	36-39.9 N		0.7	6		11	SSIS				AZAZGA.ARG
1988-04-05	18-46-11.8	03-36.2 W	37-29.5 N	10	0.5	1	1	31	SSIS	3.5			CAMPOTEJAR.GR
1988-04-05	21-57-02.7	04-00.4 W	37-32.9 N	5	0.4	1	6	12	SSIS	2.5			CASTILLO LOCUBIN.J
1988-04-07	03-59-14.6	00-04.3 W	38-53.4 N	21	0.6	6	5	12	SSIS	3.0			OLIVA.V
1988-04-07	18-05-14.4	00-49.6 W	38-19.0 N	14	0.2			6	SSIS	2.7			ASPE.A
1988-04-08	10-11-31.4	00-53.5 W	38-24.1 N	6	0.6	4	4	13	SSIS	2.9			MONOVAR.A
1988-04-09	09-50-46.3	03-28.3 W	35-00.3 N	10	0.7	3	4	50	SSIS	4.0	V		MIDAR.MAC
1988-04-09	10-21-28.5	03-31.6 W	35-04.7 N	10	1.1	8		11	SSIS	3.3		R	MIDAR.MAC
1988-04-09	14-04-40.4	03-24.0 W	35-00.5 N	10	0.4	5	6	8	SSIS	3.3		R	MIDAR.MAC
1988-04-09	20-27-25.2	09-48.7 W	31-15.5 N	5	0.9	4	4	44	SSIS	4.7	VI		MIRAMANE.MAC
1988-04-10	22-40-28.4	06-43.8 W	42-29.8 N	3	0.4	2	2	14	SSIS	3.2	III		BORRENES.LE
1988-04-11	12-32-54.0	01-57.9 W	38-11.4 N	15	0.3	4	5	15	SSIS	2.7			MORATALLA.MU
1988-04-11	15-47-14.8	01-33.2 W	38-43.9 N	10	0.4	1	2	7	SSIS	2.7			PETROLA.AB
1988-04-14	12-13-09.5	05-47.6 W	37-44.1 N	2	0.5	2	2	16	SSIS	2.8			EL PEDROSO.SE
1988-04-18	02-54-16.0	01-01.9 E	42-29.5 N	4	0.5	1	2	21	SSIS	3.0			ESPOT.L
1988-04-24	11-34-04.6	05-25.2 W	36-56.6 N		0.4	1		11	SSIS	2.8			CORIPE.SE
1988-04-25	19-13-02.7	08-36.9 W	43-08.7 N	23	0.5	6	2	8	SSIS	3.0			CARBALLO.C
1988-04-26	08-42-07.3	08-40.7 W	36-42.4 N	30	0.7	3	7	20	SSIS	3.5			SE. CABO S.VICENTE
1988-04-26	21-40-59.6	01-13.7 W	40-21.2 N	5	0.4	1	1	19	SSIS	3.1			TERUEL.TE
1988-04-27	01-43-58.1	00-52.4 E	42-40.1 N		0.5	2		10	SSIS	2.3			VIELLA.L
1988-04-27	15-21-16.3	04-34.5 W	38-22.2 N	5	0.5	2	2	17	SSIS	2.8			VILLANUEVA CORDOBA.CO
1988-04-27	22-37-34.8	02-32.1 W	36-43.4 N	11	0.5	3	2	18	SSIS	3.0			GOLFO DE ALMERIA
1988-04-30	02-58-22.6	02-57.3 W	37-12.5 N	8	0.3	2	3	13	SSIS	2.4			HUENEJA.GR
1988-04-30	03-36-26.2	12-24.6 W	36-39.2 N	30	0.8			23	SSIS	3.4			ATLANTICO
1988-04-30	03-39-35.6	05-32.3 W	34-37.4 N	9	0.6	2	3	40	SSIS	3.9			DEFALI.MAC
1988-05-01	12-09-33.3	03-42.2 W	35-19.5 N	33	0.7	9		11	SSIS	3.0			CABO QUILATES
1988-05-01	13-45-58.5	13-11.0 W	37-15.2 N	8	0.6	8		31	SSIS	3.8			ATLANTICO
1988-05-02	10-12-31.7	05-43.9 W	36-19.6 N	1	0.5	2	3	15	SSIS	2.7			SIERRA MOMIA.CA
1988-05-02	10-51-16.9	03-36.7 W	37-10.7 N	12	0.2	1	1	16	SSIS	3.0	III		GRANADA.GR
1988-05-02	14-10-08.8	05-44.6 W	36-19.4 N	1	0.6	3	3	14	SSIS	2.8			SIERRA MOMIA.CA
1988-05-02	14-38-54.0	05-45.1 W	36-21.9 N	1	0.7	3	4	21	SSIS	3.0			SIERRA MOMIA.CA
1988-05-02	14-48-04.6	05-43.1 W	36-19.4 N	2	0.7	3	3	14	SSIS	2.7			SIERRA MOMIA.CA
1988-05-02	14-56-48.3	05-43.1 W	36-19.4 N	1	0.6	3	5	8	SSIS	2.3			SIERRA MOMIA.CA
1988-05-02	16-07-08.8	05-43.1 W	36-20.0 N	1	0.8	3	4	15	SSIS	2.8			SIERRA MOMIA.CA
1988-05-02	17-15-50.7	05-43.1 W	36-18.3 N	1	0.3	3	9	6	SSIS	2.3			SIERRA MOMIA.CA
1988-05-02	18-13-05.5	05-44.6 W	36-20.4 N	1	0.3	3		6	SSIS	2.1			SIERRA MOMIA.CA
1988-05-02	19-03-48.9	05-43.8 W	36-20.3 N	1	0.1	1		5	SSIS	2.1			SIERRA MOMIA.CA
1988-05-02	19-39-49.6	05-44.8 W	36-19.4 N	3	0.4	2	2	22	SSIS	3.1			SIERRA MOMIA.CA
1988-05-02	19-43-29.1	05-44.8 W	36-19.9 N	1	0.5	2	6	7	SSIS	2.6			SIERRA MOMIA.CA
1988-05-02	20-02-28.2	05-43.1 W	36-19.4 N	1	0.7	3	5	10	SSIS	2.5			SIERRA MOMIA.CA
1988-05-04	13-15-00.3	05-43.1 W	36-19.4 N	1	0.6	3	3	10	SSIS	2.6			SIERRA MOMIA.CA
1988-05-04	15-35-33.4	13-39.9 W	36-56.4 N	32	0.6	3		36	SSIS	3.9			ATLANTICO
1988-05-04	20-48-49.1	04-06.1 W	34-48.6 N	5	0.6	3	6	15	SSIS	3.2			MESITA.MAC

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1988-05-05	05-39-51.0	08-28.9 W	42-16.4 N	10	0.2	2	4	7	SSIS	2.8			MONDARIZ.PO
1988-05-05	05-54-49.8	01-45.5 W	42-46.1 N	5	0.6	3	3	18	SSIS	3.0			GAZOLAZ.NA
1988-05-06	01-45-00.9	09-40.3 W	38-48.2 N	8	0.6	4	2	14	SSIS	3.1			W. LISBOA
1988-05-08	19-59-36.6	04-44.6 W	35-26.4 N	33	0.7	2		27	SSIS	3.2			ALBORAN
1988-05-11	07-59-46.4	03-40.2 W	35-08.9 N	13	0.2	4	9	7	SSIS	2.9			S. CABO QUILATES.MAC
1988-05-12	17-38-32.2	03-56.6 W	37-30.5 N	29	0.4	2	3	15	SSIS	2.5			CASTILLO LOCUBIN.J
1988-05-16	22-00-00.5	02-00.6 W	37-17.1 N	9	0.5	5	5	24	SSIS	3.1	III		ZURGENA.AL
1988-05-17	19-19-12.5	08-47.6 W	36-44.3 N	41	0.7	3		22	SSIS	3.3			S. CABO S.VICENTE
1988-05-18	01-26-39.7	01-33.3 E	42-08.6 N	8	0.2	1	1	11	SSIS	2.6			S.LORENZO MORUNYS.L
1988-05-19	11-54-12.5	07-25.5 W	36-54.8 N	29	0.5	3	3	14	SSIS	3.1			GOLFO DE CADIZ
1988-05-19	21-16-30.5	01-02.8 W	39-32.1 N	2	0.5	2	2	17	SSIS	3.2	III		REQUENA.V
1988-05-20	02-19-17.3	01-45.7 W	42-47.2 N	5	0.7	4	4	16	SSIS	2.9			GAZOLAZ.NA
1988-05-20	10-34-07.8	01-56.2 W	37-14.7 N	10	0.7	5	7	21	SSIS	3.2	III		ANTAS.AL
1988-05-20	14-50-05.3	04-32.7 W	38-23.2 N		0.4	2		15	SSIS	2.9			VILLANUEVA CORDOBA.CO
1988-05-22	14-00-04.1	09-06.1 W	39-03.9 N	7	0.7	2	2	50	SSIS	3.7	III-IV		SOBRAL MTE.AGRACO.PORT
1988-05-23	10-39-52.8	00-10.4 E	43-05.8 N	1	0.3	2	2	14	SSIS	3.0			BAGNERES BIGORRE.FR
1988-05-24	04-42-22.2	03-24.4 W	38-24.0 N	12	0.5	1	2	40	SSIS	3.8	III		ALDEAQUEMADA.J
1988-05-24	15-12-54.3	04-34.5 W	38-22.5 N		0.6	3		15	SSIS	2.8			VILLANUEVA CORDOBA.CO
1988-05-30	10-44-06.4	04-36.1 W	36-25.4 N	100	0.9	2	3	55	SSIS	3.5			S. FUENGIROLA
1988-05-31	15-49-54.9	05-13.9 W	36-51.8 N	9	0.5	6	4	9	SSIS	2.7			SETENIL.CA
1988-06-02	17-30-42.4	01-43.5 E	42-21.6 N	6	0.5	3	6	11	SSIS	2.6			MONTELLA.L
1988-06-04	06-15-23.6	04-36.1 W	36-23.4 N	90	0.5	4	6	15	SSIS	3.1		R	S. FUENGIROLA
1988-06-04	23-53-05.0	03-43.9 W	34-23.3 N	10	0.7	9		12	SSIS	3.3			NE. TAZA.MAC
1988-06-06	08-53-55.6	05-59.7 W	36-38.2 N	10	0.4	4	6	9	SSIS	2.8			JEREZ.CA
1988-06-11	09-49-49.0	00-45.6 W	36-03.2 N	33	0.6	5		17	SSIS	3.4			N. ORAN
1988-06-11	21-13-55.2	10-24.9 W	36-33.7 N	33	0.7	3		38	SSIS	3.5			SW. CABO S.VICENTE
1988-06-12	04-44-07.7	00-00.7 W	38-25.3 N	14	0.4	2	2	18	SSIS	3.1			E. ALICANTE
1988-06-14	14-21-21.8	04-33.9 W	38-22.9 N		0.5	2		14	SSIS	2.7			VILLANUEVA CORDOBA.CO
1988-06-15	07-00-30.0	02-11.2 W	40-58.6 N		0.5	4		7	SSIS	2.7			MAZARETE.GU
1988-06-15	15-06-47.6	08-24.7 W	38-06.5 N	6	0.4	2	3	21	SSIS	3.1			AZINBEIRA BARROS.PORT
1988-06-15	21-04-25.0	00-20.4 W	38-56.0 N	10	0.5	2	2	27	SSIS	3.1	III		LUCHENTE.V
1988-06-16	00-42-42.1	05-27.4 W	36-59.0 N	2	0.4	1	2	15	SSIS	2.5			CORIPE.SE
1988-06-17	06-00-38.6	09-10.5 W	37-29.7 N	23	0.6	3	5	33	SSIS	3.4			W. CABO SARDAO
1988-06-20	19-52-20.8	02-20.7 W	38-00.5 N	3	0.5	2	4	14	SSIS	2.8			PUEBLA FADRIQUE.GR
1988-06-23	03-27-33.4	02-37.9 W	39-32.1 N	8	0.1	1	2	8	SSIS	3.0			LAS PEDROÑERAS.CU
1988-06-24	18-17-19.0	03-25.2 E	42-30.0 N	9	0.5	5	3	12	SSIS	2.9			E. PORT-BOU
1988-06-26	21-21-32.6	04-18.0 W	35-59.9 N	10	0.8	2	3	50	SSIS	3.7			ALBORAN
1988-06-27	11-26-17.8	04-36.5 W	36-11.6 N	90	0.6	4	4	17	SSIS	3.3			ALBORAN
1988-06-27	14-44-30.2	04-35.5 W	38-23.7 N		0.5	2		17	SSIS	2.8			VILLANUEVA CORDOBA.CO
1988-07-01	17-55-34.8	06-48.5 W	41-31.1 N	1	0.5	3	5	8	SSIS	2.7			MACEDO CAVALEIROS.PORT
1988-07-01	18-34-11.4	05-56.8 W	36-16.0 N	4	0.5	4	5	12	SSIS	2.7			VEJER FRONTERA.CA
1988-07-01	18-38-33.1	05-55.8 W	36-16.5 N		0.6	5		10	SSIS	2.6			VEJER FRONTERA.CA
1988-07-02	00-20-45.0	07-13.9 W	42-04.5 N	2	0.3	1	2	11	SSIS	3.1			A GUDIÑA.OR
1988-07-03	09-00-18.1	07-51.2 W	36-30.0 N	31	0.6	4		20	SSIS	3.3			GOLFO DE CADIZ
1988-07-05	07-45-59.5	03-55.0 W	37-23.4 N	28	0.3	1	1	16	SSIS	2.6			COLOMERA.GR
1988-07-06	06-09-08.2	05-38.1 W	36-23.1 N	5	0.6	3	4	11	SSIS	2.6			ALCALA GAZULES.CA
1988-07-06	12-25-07.4	05-18.2 W	36-54.1 N	7	0.6	3	4	11	SSIS	2.7			OLVERA.CA
1988-07-08	02-18-37.4	03-43.6 W	37-11.7 N	10	0.3	1	3	15	SSIS	2.5			SANTA FE.GR
1988-07-08	23-31-12.3	05-26.9 W	36-13.2 N	4	0.6	1	1	45	SSIS	3.8	V		LOS BARRIOS.CA
1988-07-08	23-38-58.4	05-25.1 W	36-14.4 N	5	0.1	2	4	5	SSIS	2.1		R	LOS BARRIOS.CA
1988-07-09	02-19-30.9	05-25.9 W	36-14.5 N		0.9	3		23	SSIS	3.2		R	LOS BARRIOS.CA
1988-07-09	02-21-29.5	05-26.7 W	36-16.3 N		0.3	2		7	SSIS	2.3		R	LOS BARRIOS.CA
1988-07-09	02-29-26.9	05-25.5 W	36-16.1 N	2	0.6	4		9	SSIS	2.7		R	LOS BARRIOS.CA
1988-07-09	02-56-25.7	05-25.8 W	36-16.7 N		0.4	2		10	SSIS	2.6		R	LOS BARRIOS.CA
1988-07-09	02-58-48.4	02-32.2 W	36-59.1 N		0.8	3		14	SSIS	2.5			GADOR.AL
1988-07-09	02-59-05.2	05-24.9 W	36-16.7 N		0.4	2		10	SSIS	2.6		R	LOS BARRIOS.CA
1988-07-09	03-03-50.9	05-26.4 W	36-16.6 N		0.3	1		8	SSIS	2.6		R	LOS BARRIOS.CA
1988-07-09	13-11-21.7	05-26.6 W	36-16.5 N		0.4	1		5	SSIS	2.1		R	LOS BARRIOS.CA
1988-07-09	17-55-57.2	05-25.6 W	36-16.2 N		0.2	1		5	SSIS	2.5		R	LOS BARRIOS.CA
1988-07-10	13-01-29.2	01-56.7 W	42-50.0 N		0.6	4		14	SSIS	2.8			SIERRA DE ANDIA.NA

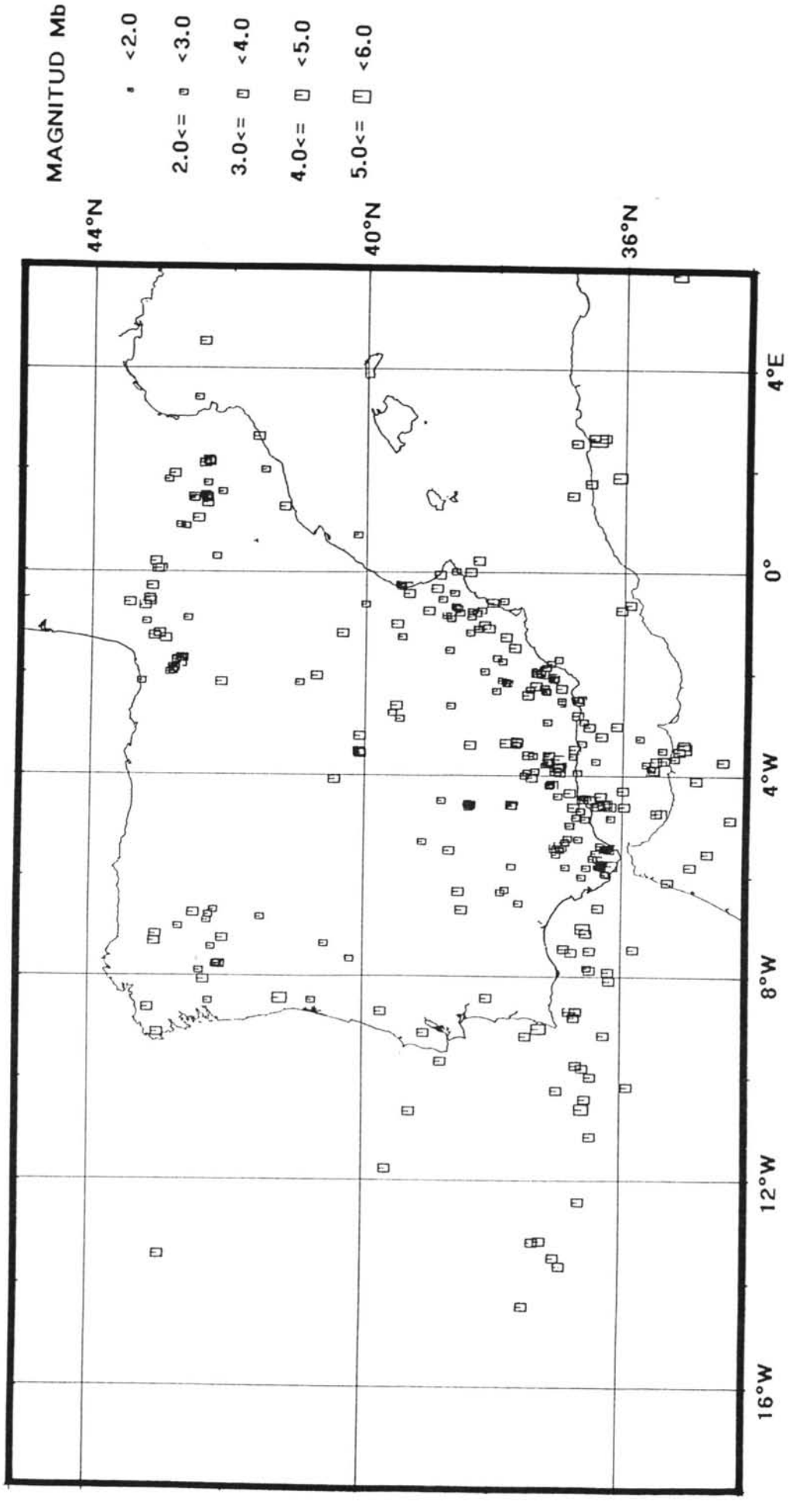
FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1988-07-10	14-02-27.8	01-59.7 W	42-52.7 N	8	0.6	3	4	15	SSIS	2.8			SIERRA DE ANDIA.NA
1988-07-10	17-00-14.2	01-58.7 W	42-49.9 N	10	0.3	8	6	7	SSIS	2.5			SIERRA DE ANDIA.NA
1988-07-10	17-35-51.3	03-56.5 W	36-43.4 N		0.6	2		20	SSIS	2.7			S. TORROX
1988-07-10	18-28-40.2	01-54.9 W	42-49.5 N	9	0.5	3	3	14	SSIS	3.0			SIERRA DE ANDIA.NA
1988-07-10	20-29-50.3	08-27.7 W	40-44.9 N	10	0.3	2	3	7	SSIS	2.9			ESTARREJA.PORT
1988-07-11	11-41-47.9	01-49.2 W	42-43.7 N	2	0.9	3	3	27	SSIS	3.3			SIERRA DEL PERDON.NA
1988-07-12	11-20-55.7	01-55.3 W	42-48.1 N	15	0.5	4	4	11	SSIS	2.6			SIERRA DE ANDIA.NA
1988-07-12	21-44-19.5	00-18.7 W	43-08.3 N	7	0.2	1	1	13	SSIS	3.1	IV		ARUDY.FR
1988-07-13	12-17-23.4	00-56.1 W	38-42.8 N	2	0.3	1	5	7	SSIS	2.1			CAUDETE.AB
1988-07-13	12-47-15.2	01-43.4 W	42-42.2 N	5	0.8	3	2	27	SSIS	3.5	III		SIERRA DEL PERDON.NA
1988-07-14	09-17-01.5	02-53.3 W	39-28.7 N		0.2	1		10	SSIS	2.8			MOTA DEL CUERVO.CU
1988-07-15	11-47-42.2	01-30.2 E	36-50.3 N	5	0.7	4	7	18	SSIS	3.3			MEDITERRANEO
1988-07-15	14-38-55.9	09-59.0 W	36-28.8 N	31	0.6	2		36	SSIS	3.5			SW. CABO S.VICENTE
1988-07-15	16-57-09.9	06-46.1 W	42-16.8 N	3	0.2	1	1	11	SSIS	2.6			SERRA DO EIXE.OR
1988-07-16	22-43-27.5	00-01.7 E	43-03.7 N	2	0.9	3	4	20	SSIS	3.0			BAGNERES-BIGORRE.FR
1988-07-18	12-18-56.7	02-14.8 W	37-23.5 N	1	0.3	1	2	19	SSIS	3.0			FINES.AL
1988-07-18	17-47-31.8	04-33.7 W	38-26.1 N		0.6	3		18	SSIS	2.9			CONQUISTA.CO
1988-07-18	20-32-53.2	03-56.3 W	37-00.0 N	2	0.5	1	1	41	SSIS	3.4	IV		ALHAMA DE GRANADA.GR
1988-07-19	02-38-29.7	06-39.3 W	38-30.0 N	1	0.3	2	4	12	SSIS	3.0			SALVATIERRA BARROS.BA
1988-07-20	16-07-50.0	04-05.5 W	40-26.9 N		0.4	4		7	SSIS	3.0			QUIJORNA.M
1988-07-21	00-38-22.7	01-42.4 W	38-00.1 N	2	0.3	1	2	10	SSIS	2.7			BULLAS.MU
1988-07-21	07-48-37.7	01-46.2 W	37-54.9 N	5	0.3	2	2	10	SSIS	2.9			SIERRA CAMBRON.MU
1988-07-21	17-42-27.7	07-48.9 W	36-32.5 N	32	0.5	4		15	SSIS	2.9			GOLFO DE CADIZ
1988-07-24	00-47-25.0	03-43.1 W	35-27.0 N	19	0.9	2	3	57	SSIS	3.5			N. CABO QUILATES
1988-07-24	04-18-09.7	03-37.0 W	37-25.1 N	1	0.5	2	2	16	SSIS	2.8			IZNALLOZ.GR
1988-07-24	18-09-55.0	03-14.0 W	36-21.0 N	12	0.6	4	8	15	SSIS	3.0			ALBORAN
1988-07-25	05-29-11.1	04-27.4 W	36-35.8 N	90	0.7	4	4	23	SSIS	3.2			S. MALAGA
1988-07-25	20-03-08.8	07-01.0 W	36-36.5 N	19	0.6	2	2	78	SSIS	4.4	III	S	GOLFO DE CADIZ
1988-07-27	12-00-04.5	00-47.2 W	38-23.9 N		0.5	3		7	SSIS	2.4	III		NOVELDA.A
1988-07-27	16-25-18.0	02-10.0 W	43-17.0 N					1	SSIS	2.7	III		ZARAUZ.SS
1988-07-27	18-22-05.9	02-20.1 W	37-14.7 N	2	0.5	4	6	10	SSIS	2.8			SENES.AL
1988-07-28	06-20-13.4	01-19.9 E	42-21.6 N	8	0.4	1	3	15	SSIS	3.1			CASTELLBO.L
1988-07-28	17-37-53.7	04-44.3 W	35-21.8 N	110	0.8	2	4	42	SSIS	3.7			MARRUECOS
1988-07-29	02-03-27.8	13-21.7 W	45-03.1 N	33	1.1	4		65	SSIS	4.7	III	S	ATLANTICO
1988-07-29	15-01-11.7	01-14.5 W	43-02.0 N	13	0.2	5	3	9	SSIS	3.0			ORBAIZETA.NA
1988-07-30	06-01-19.1	01-24.6 E	42-32.7 N	7	0.5	2	3	18	SSIS	2.7			ALINS.L
1988-07-30	15-38-29.1	01-47.5 E	42-55.3 N	1	0.1	1	1	7	SSIS	2.9			LAVELANET.FR
1988-08-01	03-42-33.9	13-11.6 W	45-02.2 N	33	0.5	9		12	SSIS	3.3		R	ATLANTICO
1988-08-02	14-08-16.8	04-36.8 W	38-22.9 N		0.5	2		16	SSIS	2.8			VILLANUEVA CORDOBA.CO
1988-08-02	20-58-34.4	01-17.9 W	39-27.4 N	5	0.4	2	4	12	SSIS	2.8			REQUENA.V
1988-08-03	14-49-51.7	04-33.0 W	38-25.0 N		0.7	3		17	SSIS	2.8			CONQUISTA.CO
1988-08-03	22-02-56.1	10-36.5 W	36-36.6 N	24	0.5	3	4	66	SSIS	4.1			ATLANTICO
1988-08-04	07-32-45.0	13-26.7 W	42-58.0 N	5	0.5			12	SSIS	3.5			ATLANTICO
1988-08-07	02-17-30.9	02-39.1 E	41-36.9 N	2	0.5	2	2	26	SSIS	3.3	III		CALELLA.B
1988-08-09	03-56-41.7	08-40.7 W	36-49.1 N	21	0.7	2	3	65	SSIS	3.7			SE. CABO S.VICENTE
1988-08-12	22-29-14.1	04-36.2 W	37-44.2 N	5	0.3	1	1	23	SSIS	2.8			SANTA CRUZ.CO
1988-08-13	12-14-47.3	02-08.7 E	42-20.0 N		0.5	1		23	SSIS	3.2			RIBES DE FRESER.GE
1988-08-13	20-55-49.0	02-25.5 W	37-30.8 N	3	0.3	1	3	14	SSIS	3.0			SIERRA MADROÑAL.AL
1988-08-15	06-00-59.3	03-42.6 W	35-23.2 N	12	0.6	4	6	14	SSIS				N. CABO QUILATES
1988-08-15	08-24-51.6	00-33.2 W	38-50.7 N	7	0.3	2	2	13	SSIS	2.8			ALBAIDA.V
1988-08-19	06-56-07.0	02-38.2 W	38-42.1 N		0.5	1		15	SSIS	2.7			POVEDILLA.AB
1988-08-20	13-03-03.9	03-46.0 W	37-12.4 N	2	0.5	1	1	54	SSIS	3.9	V-VI	+	CHAUCHINA.GR
1988-08-20	16-42-52.0	03-44.4 W	37-10.7 N	2	0.3	1	1	35	SSIS	3.4	IV	R	CHAUCHINA.GR
1988-08-22	15-24-51.3	04-28.4 W	36-37.1 N	90	0.7	4	4	24	SSIS	2.9			TORREMOLINOS
1988-08-22	17-37-18.7	04-50.4 W	36-11.2 N		0.5	3		16	SSIS	2.8			ESTRECHO DE GIBRALTAR
1988-08-23	10-26-40.2	01-59.1 W	37-22.6 N	7	0.6	6	6	26	SSIS	3.2			HUERCAL-OVERA.AL
1988-08-23	16-21-19.1	01-54.2 E	42-50.2 N		0.4	1		19	SSIS	3.3			BELCAIRE.FR
1988-08-24	13-40-02.6	09-01.2 W	37-17.1 N	10	0.4	2	2	78	SSIS	4.1	III-IV	S	W. ALJEZUR
1988-08-25	05-01-13.6	09-45.3 W	36-42.4 N	32	0.5	3		18	SSIS	3.3			SW. CABO S.VICENTE
1988-08-25	21-31-02.6	05-14.6 W	36-41.9 N	7	0.5	2	4	12	SSIS	2.5			BENAOJAN.MA

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1988-08-26	14-23-12.4	00-49.0 W	38-34.6 N	5	0.3	2	3	9	SSIS	2.7		SAX.A
1988-08-26	15-45-48.2	02-21.3 W	37-13.8 N	6	0.2	2	3	10	SSIS	2.7		SENES.AL
1988-08-27	08-16-26.0	04-52.2 W	34-16.1 N	10	0.7	3	4	24	SSIS	3.3		NE. FES.MAC
1988-08-27	11-27-11.5	00-18.3 W	43-08.9 N		0.4	2		16	SSIS	3.2		NAY.FR
1988-08-27	14-02-16.1	02-29.5 W	36-40.0 N	9	0.6	5	5	13	SSIS	2.9		GOLFO DE ALMERIA
1988-08-27	17-33-27.1	02-30.4 W	36-43.3 N		0.4	3		10	SSIS	2.6		GOLFO DE ALMERIA
1988-08-27	19-24-10.8	03-22.3 W	36-39.4 N	6	0.6	3	3	19	SSIS	2.9		S. CABO SACRATIF
1988-08-28	06-29-13.4	02-17.6 W	36-59.4 N	3	0.5	2	2	24	SSIS	3.1		SIERRA ALHAMILLA.AL
1988-08-30	16-16-54.1	03-43.1 W	37-11.9 N		0.4	1		15	SSIS	2.6		SANTA FE.GR
1988-08-31	03-57-26.8	03-43.2 W	36-26.2 N	7	0.6	2	2	20	SSIS	2.9		ALBORAN
1988-09-02	22-00-10.9	01-17.3 W	43-06.3 N	3	0.5	4	2	16	SSIS	3.0	IV	PIRINEOS
1988-09-03	16-55-02.1	02-00.4 W	37-22.5 N	4	0.6	4	5	17	SSIS	2.8		HUERCAL-OVERA.AL
1988-09-06	06-54-05.1	01-30.3 W	37-43.5 N	2	0.2	1	1	14	SSIS	3.2	III	TOTANA.MU
1988-09-07	09-05-17.1	07-52.9 W	42-24.5 N	7	0.2	1	1	10	SSIS	2.9		COLES.OR
1988-09-07	12-46-08.5	00-15.2 W	39-29.5 N	3	0.3	2	2	10	SSIS	2.5	II S	VALENCIA
1988-09-07	17-27-43.9	09-48.5 W	36-36.3 N	33	0.8	3		41	SSIS	3.6		SW. CABO S.VICENTE
1988-09-08	03-08-57.4	03-20.0 W	37-40.2 N		0.5	1		40	SSIS	3.2		HUELMA.J
1988-09-08	05-29-24.3	00-25.9 W	38-39.9 N	5	0.4	2	2	16	SSIS	2.9	III	ALCOY.A
1988-09-08	11-34-13.2	10-14.8 W	37-00.7 N		0.6			33	SSIS	3.3		ATLANTICO
1988-09-09	10-45-51.0	05-32.9 W	37-02.8 N		0.5	1		24	SSIS	2.7		MONTELLANO.SE
1988-09-09	15-49-03.6	01-59.4 E	41-31.0 N		0.4	2		14	SSIS	2.7		RUBI.B
1988-09-09	16-58-32.0	05-52.8 E	35-08.9 N	4	0.8	7	8	25	SSIS	4.0		SW. BATNA.ARG
1988-09-10	10-27-13.6	04-24.6 W	36-21.1 N	90	0.8	2	3	36	SSIS	3.0		ALBORAN
1988-09-13	10-40-55.8	00-18.5 W	39-28.8 N	9	0.3	2	3	7	SSIS	2.4	II	VALENCIA
1988-09-14	03-52-14.3	00-46.1 W	38-14.7 N	19	0.1	2	2	10	SSIS	2.8		ELCHE.A
1988-09-15	17-24-31.9	02-03.2 W	40-43.8 N	6	0.4	4	3	8	SSIS	3.0		FUEMBELLIDA.GU
1988-09-15	19-48-03.9	01-44.7 E	36-33.5 N	5	0.7	5	8	18	SSIS	3.2		DUPLEIX.ARG
1988-09-16	22-04-31.2	09-09.2 W	36-16.5 N	25	0.7	3	6	31	SSIS	3.2		ATLANTICO
1988-09-18	13-06-38.7	00-39.6 W	40-00.7 N		0.3	6		9	SSIS	2.8		BARRACAS.CS
1988-09-19	12-34-30.6	00-52.3 W	38-47.1 N	10	0.5	3	3	13	SSIS	2.6		FUENTE LA HIGUERA.V
1988-09-19	13-54-56.7	00-39.5 W	40-00.8 N	7	0.3	5	7	11	SSIS	2.6		BARRACAS.CS
1988-09-22	06-34-22.8	05-57.0 E	36-29.8 N		0.8	6		15	SSIS			FEDI MZALA.ARG
1988-09-22	23-44-32.5	07-36.3 W	31-24.8 N		0.8			17	SSIS	3.8		GRAN ATLAS.MAC
1988-09-23	01-20-10.5	01-08.5 W	38-17.5 N	13	0.4	2	2	16	SSIS	2.6		SIERRA DE LA PILA.MU
1988-09-23	11-22-12.5	00-16.5 W	39-29.4 N		0.4	4		7	SSIS	2.4	II S	VALENCIA
1988-09-24	02-16-08.6	03-02.9 W	36-32.6 N		0.5	1		17	SSIS	3.1		ALBORAN
1988-09-25	22-40-58.0	01-08.3 W	38-18.1 N	10	0.4	2	4	11	SSIS	2.4		SIERRA DE LA PILA.MU
1988-09-27	08-14-22.4	01-08.7 W	38-17.1 N	13	0.4	1	2	16	SSIS	2.9		SIERRA DE LA PILA.MU
1988-09-27	13-40-08.1	03-37.3 W	36-47.4 N		0.7	2		7	SSIS	2.5		MOLVIZAR.GR
1988-09-27	21-29-28.1	02-47.0 W	39-35.7 N		0.6	3		10	SSIS	2.8		BELMONTE.CU
1988-09-28	03-56-28.3	00-42.3 E	40-08.1 N	2	0.4	3	4	9	SSIS	2.8		N.ISLAS COLUMBRETES
1988-09-28	12-43-50.7	03-32.1 W	40-05.1 N		0.3	2		13	SSIS	3.0		ARANJUEZ.M
1988-09-30	00-48-21.8	13-12.4 W	37-21.9 N		0.6			48	SSIS	3.8		ATLANTICO
1988-10-04	13-05-10.9	03-33.6 W	40-05.0 N		0.3	1		14	SSIS	3.1		ARANJUEZ.M
1988-10-04	20-57-30.0	03-46.8 W	35-37.6 N	7	0.7	3	4	21	SSIS	2.9	P	N. ALHUCEMAS
1988-10-05	00-42-11.0	03-53.6 W	35-30.1 N	11	0.9	2	3	73	SSIS	4.0	M	N. ALHUCEMAS
1988-10-06	14-44-46.7	05-22.4 W	36-20.9 N	6	0.3	4	2	8	SSIS	2.5		CASTELLAR.CA
1988-10-07	03-48-18.7	00-33.9 W	43-10.8 N		0.3	1		22	SSIS	3.3	III-IV	OLORON-STE.MARIE.FR
1988-10-07	14-36-18.4	04-37.7 W	38-24.9 N		0.5	2		18	SSIS	2.7		TORRECAMPO.CO
1988-10-08	07-40-27.1	07-17.9 W	43-03.1 N	5	0.4	2	2	11	SSIS	3.2	IV	CASTROVERDE.LU
1988-10-11	14-15-29.2	03-34.6 W	40-04.3 N		0.4	2		11	SSIS	3.1		ARANJUEZ.M
1988-10-12	11-05-22.0	08-03.7 W	42-20.9 N	3	0.3	1	2	10	SSIS	3.0		CENLLE.OR
1988-10-13	06-32-50.3	04-37.0 W	35-58.6 N	110	0.6	3	3	34	SSIS	3.4		ALBORAN
1988-10-14	14-58-41.4	04-27.7 W	36-37.6 N	100	0.7	4	3	24	SSIS	3.1		E. TORREMOLINOS
1988-10-17	20-54-27.5	08-40.6 W	39-43.1 N	12	0.5	2	2	21	SSIS	3.3		LEIRIA.PORT
1988-10-18	12-02-31.8	04-37.5 W	36-46.7 N	30	0.4	2	2	19	SSIS	3.0		PIZARRA.MA
1988-10-19	02-11-14.9	00-53.7 E	42-44.8 N	4	0.4	2	2	20	SSIS	2.8	III	VALL D'ARAN.L
1988-10-20	22-52-00.2	03-53.4 W	35-29.3 N	10	0.8	2	3	52	SSIS	3.8	RS	N. ALHUCEMAS
1988-10-21	17-37-36.5	00-00.3 W	38-38.6 N	5	0.5	4	3	11	SSIS	2.9		CALPE.A
1988-10-24	04-38-51.7	03-14.0 W	40-04.7 N	9	0.4	2	2	18	SSIS	3.4	III	FUENTIDUEÑA.M

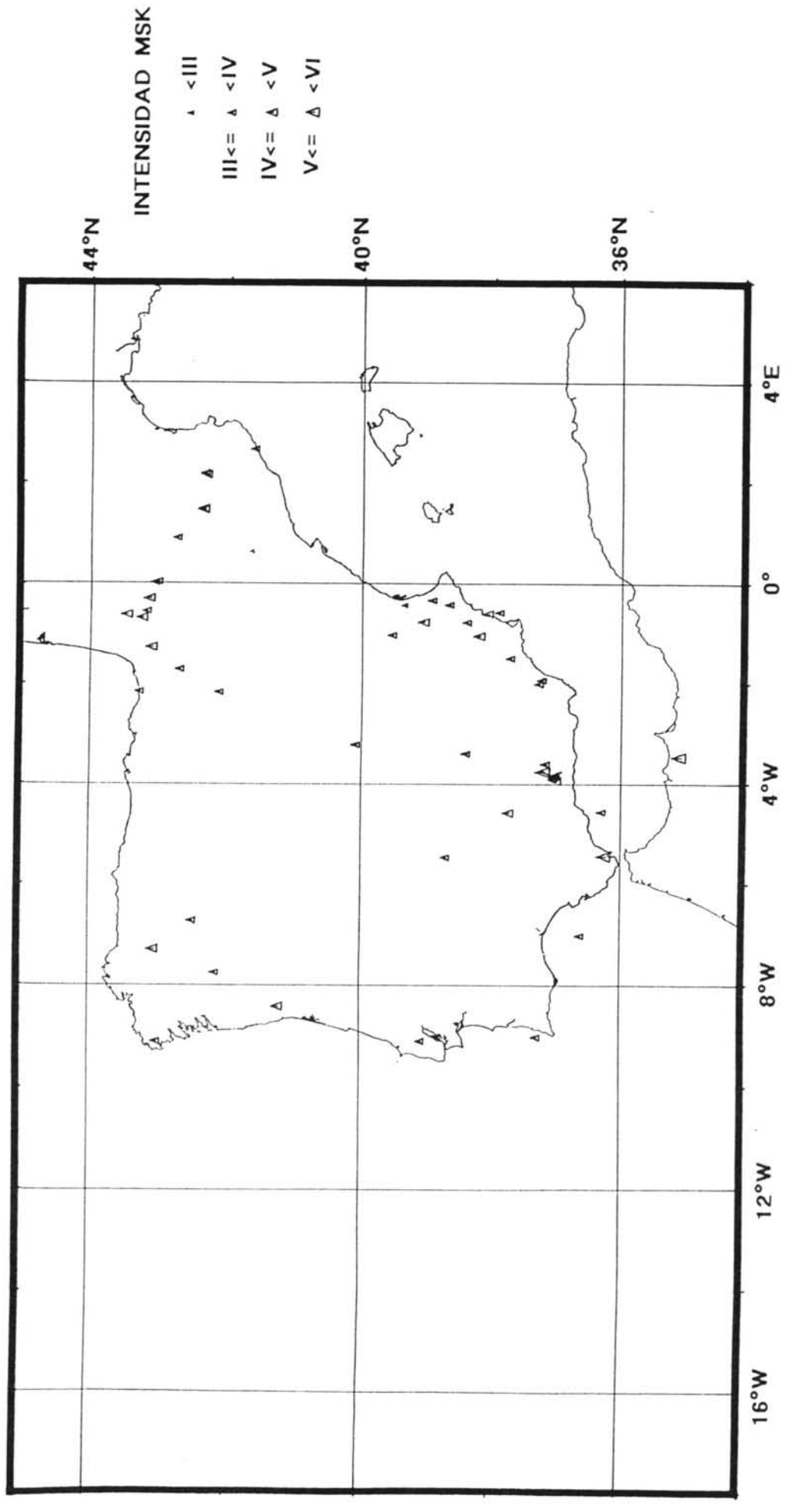
FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1988-10-24	17-34-14.8	00-16.6 E	42-13.3 N		0.3	3		9	SSIS	2.7			GRAUS.HU
1988-10-28	22-05-42.4	05-48.0 W	34-53.7 N	21	0.9	3	5	42	SSIS	3.6			ARBAOUA.MAC
1988-10-29	06-09-11.6	00-37.1 W	38-04.7 N	10	0.7	3	3	28	SSIS	3.5	IV-V	S	E. GUARDAMAR
1988-10-31	03-18-18.2	04-10.7 W	37-07.3 N		0.4	1		21	SSIS	3.0			LOJA.GR
1988-10-31	06-51-11.0	05-46.1 W	36-10.9 N	60	0.7	1	4	70	SSIS	4.1			TAHIVILLA.CA
1988-10-31	10-12-59.4	02-36.5 E	36-26.6 N	13	0.7	2	3	63	SSIS	5.4			EL AFROUN.ARG
1988-11-01	01-46-45.0	07-53.3 W	36-12.5 N	20	0.4	2	2	32	SSIS	3.2			GOLFO DE CADIZ
1988-11-06	00-16-32.3	01-07.6 W	38-08.0 N	4	0.3	2	3	16	SSIS	3.2			FORTUNA.MU
1988-11-07	08-10-51.4	00-26.5 W	39-21.5 N	12	0.5	4	3	15	SSIS	3.0	II-III		PICASEN.V
1988-11-12	00-55-27.7	04-28.7 W	36-30.4 N	100	0.6	2	3	31	SSIS	3.0			S. MALAGA
1988-11-13	02-15-03.5	00-56.7 W	42-37.6 N		0.5	2		14	SSIS	2.7			CANAL DE BERDUN.Z
1988-11-14	12-00-16.4	02-32.4 E	36-47.2 N		0.7	4		24	SSIS	3.6			N. TIPAZA
1988-11-14	12-34-41.4	00-52.7 W	38-43.3 N	9	0.1	1	1	8	SSIS	2.6			VILLAR ARZOBISPO.V
1988-11-16	15-20-52.3	06-40.3 W	42-12.4 N	4	0.4	2	2	12	SSIS	2.9			SIERRA CABRERA BAJA.ZA
1988-11-17	21-33-29.3	04-02.5 W	37-26.4 N	28	0.5	1	2	29	SSIS	3.1			ALCALA LA REAL.J
1988-11-21	10-19-06.8	09-45.4 W	31-18.9 N		1.2	4		42	SSIS	4.3			ESSAOUIRA.MAC
1988-11-22	02-55-20.6	01-53.2 W	37-14.0 N	16	0.1	5	3	6	SSIS	2.9			VERA.AL
1988-11-22	06-23-23.4	02-49.4 W	36-43.8 N		0.5	6		15	SSIS	3.0			CAMPO DE DALIAS.AL
1988-11-24	17-53-46.8	00-00.8 E	43-03.9 N	4	0.7	3	2	23	SSIS	3.2	III-IV		LOURDES.FR
1988-11-25	19-01-57.6	03-29.3 W	36-46.0 N	9	0.5	2	4	15	SSIS	3.0			MOTRIL.GR
1988-11-28	19-54-28.7	04-34.1 W	36-18.0 N	100	0.8	3	4	34	SSIS	3.5			S. FUENGIROLA
1988-11-29	21-16-45.5	02-11.0 W	42-08.2 N		0.5	1		30	SSIS	3.2	III-IV		PREJANO.LO
1988-11-30	07-29-20.5	10-39.1 W	39-16.8 N	25	0.5	5	8	21	SSIS	3.4			ATLANTICO
1988-11-30	21-33-22.1	01-43.4 W	42-42.9 N		0.7	3		16	SSIS	2.9			SIERRA DEL PERDON.NA
1988-12-01	05-35-35.6	04-20.3 W	36-50.3 N	67	0.5	2	2	34	SSIS	3.2			N. MALAGA.MA
1988-12-01	21-39-04.3	01-43.7 W	37-02.7 N	3	0.2	4	4	9	SSIS	2.8			E. CARBONERAS
1988-12-02	10-26-29.4	00-37.0 W	43-10.0 N	7	0.3	1	1	18	SSIS	3.0			OLORON-ST.MARIE.FR
1988-12-02	22-18-19.2	00-12.7 E	38-17.8 N	31	0.9	3	6	39	SSIS	3.8			E. ALICANTE
1988-12-03	03-26-25.3	04-12.4 W	37-10.1 N	2	0.4	1	6	9	SSIS	2.6			LOJA.GR
1988-12-03	03-43-21.7	04-10.5 W	37-08.8 N	8	0.7	3	5	16	SSIS	2.4			LOJA.GR
1988-12-03	06-30-29.7	01-58.1 W	37-22.1 N	9	0.6	5	6	22	SSIS	3.4			HUERCAL-OVERA.AL
1988-12-04	16-49-35.1	13-30.5 W	37-02.5 N		0.7	6		23	SSIS	3.5			ATLANTICO
1988-12-05	07-07-02.5	03-02.0 W	36-06.7 N		0.6	2		22	SSIS	3.0			ALBORAN
1988-12-05	20-12-26.9	03-50.4 W	37-00.5 N	7	0.6	1	1	61	SSIS	4.0	V	M+	AGRON.GR
1988-12-05	20-15-15.4	03-51.7 W	37-01.4 N		0.5	1		30	SSIS	3.8	IV	R	AGRON.GR
1988-12-06	06-09-16.3	03-50.0 W	37-00.9 N	2	0.3	1	1	20	SSIS	3.1	III-IV	R	AGRON.GR
1988-12-06	20-15-36.3	03-50.8 W	37-02.3 N		0.4	1		34	SSIS	3.5	IV	R	AGRON.GR
1988-12-07	04-41-50.3	09-06.5 W	43-00.2 N	3	0.5	4	3	9	SSIS	3.1	III		DUMBRIA.C
1988-12-07	18-50-26.4	03-49.7 W	37-01.7 N		0.4	1		31	SSIS	3.1	III	R	AGRON.GR
1988-12-09	06-16-37.6	02-38.9 E	36-30.8 N		0.4	5		19	SSIS	3.6			EL AFFROUN.ARG
1988-12-09	11-35-09.7	05-48.1 W	36-53.7 N	7	0.3	2	2	11	SSIS	2.7			ESPERA.CA
1988-12-10	14-12-59.2	03-21.7 W	37-40.2 N		0.4	1		19	SSIS	3.2			HUELMA.J
1988-12-11	05-13-49.1	07-45.1 W	42-07.2 N	5	0.2	1	1	11	SSIS	3.0			ALLARIZ.OR
1988-12-11	11-23-17.5	07-45.1 W	42-08.9 N	3	0.2	2	2	8	SSIS	2.8			ALLARIZ.OR
1988-12-11	14-24-52.9	07-45.0 W	42-09.9 N	4	0.2	1	1	10	SSIS	2.7			ALLARIZ.OR
1988-12-12	02-38-01.1	07-45.2 W	42-09.9 N	4	0.3	1	2	10	SSIS	2.8			ALLARIZ.OR
1988-12-12	03-33-46.9	07-44.9 W	42-09.4 N	2	0.2	1	3	9	SSIS	2.7			ALLARIZ.OR
1988-12-12	06-40-42.4	04-34.3 W	36-17.0 N	95	0.7	1	2	79	SSIS	4.5	III	MS	ALBORAN
1988-12-12	12-14-40.1	07-45.5 W	42-09.4 N	5	0.1	1	1	15	SSIS	3.2	III		ALLARIZ.OR
1988-12-12	17-29-33.2	06-52.6 W	42-18.2 N	3	0.4	2	2	13	SSIS	2.7			SERRA DO EIXE.OR
1988-12-14	17-00-08.5	03-54.6 W	37-04.1 N	2	0.4	1	1	45	SSIS	3.4	III	R	AGRON.GR
1988-12-17	02-39-18.5	01-16.2 E	41-13.2 N	5	0.3	1	1	20	SSIS	3.0			N. TARRAGONA.T
1988-12-18	09-39-48.2	04-49.2 W	36-44.1 N	2	0.4	2	3	10	SSIS	2.5			ALOZAINA.MA
1988-12-18	15-10-54.9	02-11.0 W	37-49.2 N	14	0.4	2	3	12	SSIS	2.7			N. VELEZ BLANCO.AL
1988-12-18	16-25-13.7	02-09.4 W	37-51.4 N	14	0.6	3	5	15	SSIS	2.7			N. VELEZ BLANCO.AL
1988-12-18	19-07-16.3	02-11.6 W	37-51.0 N	7	0.4	3	4	9	SSIS	2.7			N. VELEZ BLANCO.AL
1988-12-19	05-46-33.1	02-08.2 W	37-54.9 N	10	0.7	5	8	22	SSIS	2.9			ROLLOS DE ARRIBA.MU
1988-12-19	06-05-32.5	00-41.9 W	43-14.6 N	9	0.8	2	1	36	SSIS	3.6	IV		OLORON-ST.MARIE.FR
1988-12-19	23-18-45.5	04-32.1 E	42-24.7 N		0.8	4		24	SSIS	3.6			MEDITERRANEO
1988-12-20	22-47-19.2	05-37.4 W	36-27.9 N	2	0.4	2	2	12	SSIS	2.5			ALCALA GAZULES.CA

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1988-12-21	18-54-39.0	05-31.0 W	36-25.4 N		0.3	2		13	SSIS	2.7		JIMENA FRONTERA.CA
1988-12-22	06-56-39.0	07-38.2 W	40-11.4 N	13	0.7	2	3	14	SSIS	2.8		COVILHA.PORT
1988-12-22	18-13-47.3	07-24.4 W	42-14.3 N	16	0.2	1	1	9	SSIS	2.7		SERRA DE QUEIXA.OR
1988-12-25	13-56-01.1	03-40.7 W	37-01.3 N	7	0.6	1	1	34	SSIS	3.2		PADUL.GR
1988-12-26	01-29-18.3	02-39.0 E	36-20.4 N		0.7	4		30	SSIS	3.7		MEDEA.ARG
1988-12-27	04-32-11.8	05-28.6 W	38-42.1 N	8	0.7	2	2	43	SSIS	3.6	III	CASTUERA.BA
1988-12-27	13-47-05.5	06-31.4 W	37-36.9 N		0.4	3		11	SSIS	2.7		BERROCAL.H
1988-12-27	20-20-49.5	01-20.4 W	42-56.8 N	7	0.5	2	2	21	SSIS	3.3		GARRALDA.NA
1988-12-28	06-21-15.3	00-17.4 W	39-24.1 N	17	0.6	2	2	30	SSIS	3.4	III S	VALENCIA
1988-12-28	06-57-10.6	00-18.2 W	39-25.5 N	18	0.5	2	2	23	SSIS	3.3	III S	VALENCIA
1988-12-29	02-12-30.9	01-48.5 W	37-09.8 N	20	0.2	4	2	9	SSIS	2.9		E. MOJACAR
1988-12-30	16-41-38.8	07-45.3 W	42-08.6 N	2	0.3	1	1	17	SSIS	3.2		ALLARIZ.OR
1988-12-30	19-20-53.1	07-45.0 W	42-08.4 N		0.2	1		13	SSIS	2.9		ALLARIZ.OR
1988-12-30	20-55-04.2	07-45.3 W	42-10.4 N		0.4	2		12	SSIS	2.8		ALLARIZ.OR
1988-12-30	23-03-23.7	07-44.7 W	42-09.7 N		0.5	1		12	SSIS	2.6		ALLARIZ.OR

SISMICIDAD 1.988 POR MAGNITUD



SISMICIDAD 1.988 POR INTENSIDAD



LEYENDA

EST	Código de la estación
I/E	Fase impulsiva (I) o emergente (E)
W	Peso de la lectura en el cálculo. " * " Peso nulo. " = " 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	Periodo en segundos.
DUR	Duración del registro del sismo en segundos.

FECHA	Día y mes
HO	Hora origen (GMT)
LAT	Latitud en grados y minutos. Siempre Norte.
LONG	Longitud en grados y minutos. Signo "menos" al Oeste.
PRO	Profundidad en kilometros.
RMS	Error cuadrático medio de la hora origen en segundos.
MAG	Magnitud m_b a partir de la fase Lg.
INT	Intensidad, escala M.S.K.

DATOS UTILIZADOS PARA EL CALCULO HIPOCENTRAL

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACU	I		08 26 02.6	E		08 26 7.0	0.07	0.2	60
ECHE	E		08 26 15.0	E		08 26 28.1	0.03	0.2	55
EALH	E		08 26 15.2						52
EVIA	I		08 26 20.5	E		08 26 39.0	0.01	0.3	65
EROQ	E		08 26 34.3						
EBAN	E		08 26 35.4	E		08 27 04.8	0.01	0.3	55
GUD	E	=	08 27 03.0	E	=	08 27 40.0			

02-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO
	082557.5	38 38	-00 42	18	0.4	2.7	ONIL.A

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACU	I		11 47 53.5	E		11 47 58.2	0.07	0.2	65
ECHE	E		11 48 05.7	E		11 48 18.5	0.04	0.2	65
EALH	E		11 48 05.8	E		11 48 18.5			65
EVIA	I		11 48 11.6	E		11 48 30.0	0.04	0.2	85
ENIJ	E		11 48 21.3						
EROQ	E		11 48 25.0						
EBAN	I		11 48 26.0	E		11 48 55.3	0.01	0.2	75
ASMO	E	*	11 48 32.0						
APHE	E	*	11 48 35.5						
AAPN	I	*	11 48 35.7						
ALOJ	I	*	11 48 37.0						
TOL	E	*	11 48 46.0	E	*	11 49 17.0			
GUD	E	=	11 48 52.2	E	=	11 49 30.0	0.01	0.3	75

02-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO
	114748.3	38 39	-00 43	16	0.3	2.9	ONIL.A

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACU	E		11 55 20.6	E		11 55 24.6	0.03	0.2	35
ECHE	E		11 55 33.3	E		11 55 46.2	0.02	0.2	35
EVIA	E		11 55 39.0	E		11 55 56.5	0.02	0.3	55
EBAN	E		11 55 53.0						

02-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO
	115515.2	38 36	-00 44	14	0.2	2.5	ONIL.A

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EHOR	I		03 42 49.8	E		03 42 56.7			200
AAPN	I		03 42 51.7	E		03 42 58.0			
ALOJ	I		03 42 54.6	E		03 43 03.0			
EBAN	I		03 42 55.0	E		03 43 05.2			210
ASMO	I		03 42 55.6	E		03 43 05.0			
ACHM	I		03 42 57.6	E		03 43 07.5			
EPRU	I		03 42 58.2	E		03 43 11.0	0.22	0.4	150
AFC	I		03 42 58.2	E		03 43 12.3	0.12	0.2	150
ATEJ	I		03 42 58.3	E		03 43 09.5			
CRT	I		03 42 59.0	E		03 43 10.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		03 42 59.8	I		03 43 12.8	1.08	0.7	150
APHE	I		03 43 00.4	E		03 43 14.0			
EJIM	E	=	03 43 08.0	E	=	03 43 27.5	0.32	0.3	150
EVAL	E		03 43 09.0	E		03 43 31.1	0.16	0.2	160
PAB	E		03 43 11.0	E	*	03 43 30.0			205
EVIA	I		03 43 12.0	E		03 43 36.0	0.26	0.3	200
MOMI	E	=	03 43 12.0	E	=	03 43 33.0			
CNIL	E	*	03 43 15.0	E		03 43 35.0			
ENIJ	I		03 43 15.4	E		03 43 40.0	0.05	0.3	145
OJEN	E	*	03 43 16.0	E	*	03 43 37.0			
PLAT	E	*	03 43 16.0	E		03 43 37.0			
ALM	E	=	03 43 16.3	I	=	03 43 41.1			90
TOL	E		03 43 17.5	I	*	03 43 39.0	0.47	0.3	
EALH	E		03 43 21.2	E		03 43 51.8	0.07	0.4	130
EPLA	E		03 43 21.6	E		03 43 52.5	0.13	0.3	190
GUD	I		03 43 27.1	E		03 44 01.0	0.06	0.3	250
ECHE	E		03 43 33.0	E		03 44 12.6	0.07	0.4	140
ACU	I		03 43 33.0	E		03 44 13.0			100
MOE	E	*	03 43 37.5	I		03 44 05.8			
MVO	I	=	03 43 37.8	I	=	03 44 22.0			
COI	E	*	03 43 42.9	I		03 44 23.6			
MTH	E	*	03 43 43.0	I		03 44 24.0			
MTE	E	*	03 43 46.0			03 44 14.4			
IFR	I	*	03 43 48.0	I	*	03 44 30.0			
LGR	E		03 43 56.5	I	*	03 44 54.0			240

03-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO	
	034240.7	37 44	-04 36	3	0.7	3.8	IV-V	SANTA CRUZ.CO

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
BOH			08 04 09.3	E		08 04 11.8			
MADF			08 04 10.1	E		08 04 13.2			
ATE			08 04 11.2	E		08 04 15.4			
EPF			08 04 24.7			08 04 38.7			
ECRI	E		08 04 28.9	E		08 04 45.0	0.03	0.2	
LGR	I		08 04 30.3	I		08 04 47.5			65
VIH		=	08 04 32.5		=	08 04 51.0			
AVN		*	08 04 39.6		*	08 05 04.3			
LFF		*	08 04 46.3		*	08 05 10.2	0.01	0.3	
LPO		*	08 04 47.0		*	08 05 10.6	0.01	0.3	

03-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO	
	080406.7	43 13	-01 01	11	0.3	2.7		PIRINEOS.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EHOR	I		11 35 24.2	E		11 35 31.3	0.30	0.1	60
AAPN	I		11 35 25.0	E		11 35 32.0			
ALOJ	I		11 35 28.0	E		11 35 38.5			
ASMO	I		11 35 29.0	E		11 35 40.5			
EBAN	I		11 35 29.4	E		11 35 39.3	0.08	0.1	90

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ATEJ	I		11 35 31.5	E		11 35 45.7			
ACHM	I		11 35 32.2	E		11 35 43.5			
AFC	I		11 35 32.6	E		11 35 45.3	0.03	0.1	70
EPRU	E		11 35 32.7	E		11 35 45.5	0.02	0.2	53
APHE	I		11 35 33.5	E		11 35 49.0			
EJIM	E	=	11 35 43.6	E	=	11 36 03.0			45
EVAL	E		11 35 45.8	E		11 36 07.2	0.02	0.2	55
EVIA	E		11 35 46.0	E		11 36 09.5	0.03	0.2	86
PAB	E	=	11 35 49.0	I	=	11 36 12.5			
GUD	I	=	11 36 09.5	E	=	11 36 44.7	0.02	0.4	95

04-ENE *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

113515.0 37 45 -04 35 2 0.6 3.2 SANTA CRUZ.CO

EHOR	I		12 10 48.7	E		12 10 56.0	0.52	0.1	100
AAPN	E		12 10 49.7	E		12 10 57.1			
ALOJ	I		12 10 52.9	E	*	12 11 00.5			
ASMO	I		12 10 53.5	E		12 11 05.2			
EBAN	I		12 10 53.9	E		12 11 03.8			130
ACHM	I		12 10 54.7	E		12 11 07.5			
ATEJ	I		12 10 56.0	E		12 11 09.5			
EPRU	E		12 10 56.9	E		12 11 09.3	0.04	0.2	87
AFC	I		12 10 57.2	E		12 11 10.0	0.05	0.1	85
MAL	I		12 10 57.8	I		12 11 11.0	0.25	0.4	57
APHE	I		12 10 58.3	E		12 11 13.0			
EJIM	E	=	12 11 08.0	E	=	12 11 27.0	0.08	0.2	80
EVAL	E	=	12 11 10.2	E	=	12 11 32.0	0.04	0.2	87
EVIA	E		12 11 10.7	E		12 11 34.1	0.12	0.3	140
PAB	I	*	12 11 13.0	I	*	12 11 28.0			120
ENIJ	E	=	12 11 17.5	E	=	12 11 43.0	0.02	0.3	70
TOL	E	*	12 11 21.0	I	*	12 11 50.5	0.24	0.4	60
GUD	E		12 11 26.0	E		12 12 00.0	0.03	0.4	140
EPLA	E	=	12 11 27.5	E	=	12 11 59.0	0.04	0.2	105
ACU	E		12 11 31.9						64
MVO	E		12 11 38.6	I		12 12 22.8			
MTE	E	*	12 11 45.0	I	*	12 12 27.0			

04-ENE *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

121039.4 37 44 -04 35 6 0.4 3.4 SANTA CRUZ.CO

EALH	I		23 46 58.0	I		23 47 04.1	0.18	0.2	110
ACU	I		23 47 01.0	E		23 47 9.0	0.10	0.2	80
EVIA	I		23 47 12.0	E		23 47 28.5	0.15	0.2	140
ECHE	E		23 47 14.0	E		23 47 32.0	0.06	0.3	85
ENIJ	E		23 47 16.0	E		23 47 35.7	0.08	0.6	100
EBAN	I		23 47 25.0	I		23 47 50.0	0.04	0.2	100
ASMO	I	*	23 47 28.6	E	*	23 47 58.5			
ACHM	E	*	23 47 32.4						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
APHE	E	*	23 47 32.5						
AAPN	I	*	23 47 32.7	E	*	23 48 12.5			
ALOJ	I	*	23 47 34.0						
AFC	E	=	23 47 34.0	E	=	23 48 00.3			100
PAB	I		23 47 34.8	E		23 48 08.0			
EROQ	E		23 47 35.0	E		23 48 07.6			80
ATEJ	E	*	23 47 35.2						
GUD	E		23 47 42.2	E		23 48 21.8	0.03	0.4	135
EPLA	E		23 47 54.4						120

	HO	LAT	LONG	PRO	RMS	MAG	IO	
07-ENE	234649.9	38 12	-01 04	9	0.3	3.4	IV-V	ABANILLA.MU

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBAN	I		07 38 18.0	E		07 38 23.9	0.07	0.1	92
ASMO	I		07 38 19.7	E		07 38 26.5			
AFC	E		07 38 20.0	E		07 38 29.0	0.03	0.1	80
ATEJ	I	*	07 38 21.0	E		07 38 43.0			
APHE	I		07 38 24.5	E		07 38 37.5			
ACHM	I		07 38 25.2	E		07 38 36.0			
ALOJ	I		07 38 25.6	E		07 38 37.5			
EVIA	E		07 38 27.0	E		07 38 41.0	0.07	0.1	112
ENIJ	E		07 38 32.0	E		07 38 48.0			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
12-ENE	073808.8	37 51	-03 22	10	0.7	3.0		JODAR.J

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	I		14 14 35.0	E		14 14 39.8	0.06	0.2	60
STS	I		14 14 50.0	E		14 15 05.5	0.02	0.2	40
EZAM	I		14 14 54.5	E		14 15 13.0	0.02	0.2	37
MVO	E		14 14 56.5	I		14 15 16.7			
GUD	E	=	14 15 22.0	E	=	14 15 57.2			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
12-ENE	141429.1	42 43	-07 00	1	0.3	2.9		PIEDRAFITA.LU

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LIS				E		07 33 33.0			
MOE						07 33 36.4			
MTH	E		07 33 04.0	I		07 33 36.8			
EVAL	E		07 33 07.0	E		07 33 43.4			71
IFR	I		07 33 28.0	I		07 34 17.5			
EPLA	E		07 33 35.0	E		07 34 31.0			
EBAN	E		07 33 39.4	E		07 34 38.0	0.02	0.2	100
GUD	E		07 33 54.3	E		07 35 06.6			105

	HO	LAT	LONG	PRO	RMS	MAG	IO	
16-ENE	073218.0	35 54	-10 11		1.1	3.3		ATLANTICO

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EALH	I		19 04 27.5						115
ACU	E		19 04 43.0	E		19 04 56.5	0.04	0.4	73
ENIJ	E		19 04 46.0	E		19 05 02.2	0.05	0.2	106
EVIA	I		19 04 48.3	E		19 05 05.0	0.15	0.2	154
ALM	E	*	19 04 52.5	E	*	19 05 16.6			50
ECHE	E	=	19 04 58.7	E	=	19 05 21.0			88
EBAN	I		19 04 58.8	E		19 05 24.3	0.02	0.2	105
AFC	I		19 04 59.0	E		19 05 23.0			109
ASMO	I	*	19 05 01.5						
APHE	I	*	19 05 02.7						
ACHM	E	*	19 05 03.0						
AAPN	I		19 05 04.3						
ATEJ	I	*	19 05 06.0						
ALOJ	I	*	19 05. 06.5						
TOL	E	*	19 05 22.0	I	*	19 06 01.0	0.07	0.4	80
GUD	E	=	19 05 34.0	E	=	19 06 15.0	0.02	0.3	125

18-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO	
	190426.0	37 52	-01 18	1	0.5	3.3		SIERRA CARRASCOY.MU

MTH	I		03 45 14.6	I		03 45 39.2			
LIS	I		03 45 15.7	I		03 45 41.2			
MOE	I		03 45 24.3	I		03 45 56.0			
PTO	I		03 45 25.2	I	*	03 45 51.7			
EZAM	E		03 45 32.6	E		03 46 09.8	0.02	0.2	90
MTE	E	*	03 45 33.5	I		03 46 09.5			
STS	E		03 45 41.3	E		03 46 25.3	0.02	0.2	106
MVO	I	*	03 45 42.0	I		03 46 21.4			
EVAL	I		03 45 45.8	E		03 46 35.0	0.04	0.2	132
ERUA	E		03 45 47.5	E		03 46 35.0			116
EPLA	E		03 45 47.0	E		03 46 34.0	0.01	0.2	158
EHOR	E		03 46 00.3						
EPRU	E		03 46 04.8	E		03 47 08.2			142
TOL	E		03 46 07.5	E		03 47 12.0			140
GUD	E		03 46 07.8	E		03 47 10.6	0.01	0.4	202
EBAN	E		03 46 12.8	E		03 47 22.0	0.02	0.3	151
AAPN	E		03 46 14.0	E		03 47 24.5			
ALOJ	E		03 46 15.0	E	*	03 47 29.0			
ATEJ	E		03 46 18.2	E		03 47 28.5			
AVE	I	*	03 46 21.5	I	*	03 47 34.5			
ASMO	E		03 46 19.0						
APHE	E	=	03 46 22.6	E	=	03 47 37.5			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVIA	E	*	03 46 23.4	E		03 47 44.0	0.03	0.6	186
IFR	I	*	03 46 34.0	I	*	03 47 56.0			
TIO	I	*	03 46 51.5	I	*	03 48 22.0			

22-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO	
	034441.6	39 38	-11 46	27	0.6	3.5		ATLANTICO

APHE	I	=	01 53 29.3	E	=	01 53 48.0			
ATEJ	I	*	01 53 29.5						
MAL	E	*	01 53 33.0	I	*	01 53 42.0	0.08	0.6	88
ALOJ	I		01 53 33.0						
ACHM	I		01 53 33.0						
EJIM	E		01 53 36.0	E		01 53 58.0			134
AFC	E		01 53 36.0	E		01 53 57.0			110
ENIJ	E		01 53 36.0	E		01 53 58.0	0.02	0.3	108
ASMO	I		01 53 37.7						
AAPN	I		01 53 38.2						
IFR	I		01 53 40.5						
TEC	E	*	01 53 48.0						
AVE	E	*	01 54 08.0						

24-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO	
	015306.2	35 21	-03 30	31	0.6	2.9		NE. CABO QUILATES

CNIL	I		08 00 26.4						
PLAT	I		08 00 28.6						
MOMI	I		08 00 29.0						
SRQ	I		08 00 33.1						
EJIM	I		08 00 33.0	E		08 00 45.0	0.34	0.2	171
EVAL	I		08 00 36.4	E		08 00 52.0			178
EPRU	I		08 00 37.2	E		08 00 53.0	0.09	0.2	188
EHOR	I		08 00 44.6	E		08 01 07.0	0.13	0.2	147
MAL	I		08 00 44.8	I		08 01 06.2	0.94	0.4	80
ATEJ	I		08 00 49.0	E	*	08 01 04.5			
ALOJ	I		08 00 49.5	E	*	08 01 05.0			
APHE	I		08 00 52.2	E	*	08 01 10.0			
ACHM	I		08 00 52.5	E	*	08 01 09.0			
ASMO	I		08 00 54.5	E	*	08 01 19.0			
MOE	I		08 00 55.0	I		08 01 24.5			
AAPN	I	*	08 00 55.5	E	*	08 01 09.5			
AFC	E		08 00 56.2	E		08 01 25.8	0.06	0.2	162
IFR	I	*	08 00 58.5	I	*	08 01 31.0			
EBAN	I		08 00 59.0	E		08 01 32.5	0.08	0.2	170
LIS	I		08 01 02.4	I		08 01 38.6			
MTH	I		08 01 04.1	I		08 01 42.0			
ENIJ	E		08 01 09.0	E		08 01 49.3			128
PAB	I		08 01 11.5	I		08 01 49.5			250
EPLA	I		08 01 11.6	E		08 01 52.2	0.07	0.2	165

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVIA	I		08 01 14.0	E		08 01 58.0	0.08	0.2	
MTE	E		08 01 16.0	I		08 02 00.5			
TOL	E		08 01 17.5	I		08 01 59.5	0.07	0.8	
GUD	I		08 01 25.0	E		08 02 16.5	0.02	0.2	
MVO	I		08 01 25.5	I		08 02 17.8			
TIO	I	*	08 01 31.4	I	*	08 02 27.5			
EZAM	I		08 01 42.0	E		08 02 48.0	0.02	0.2	158
ERUA	E		08 01 42.7	E		08 02 49.0	0.03	0.3	157
STS	E		08 01 51.9	E		08 03 04.5	0.01	0.3	154
ECRI	E		08 01 57.8	E		08 03 12.2	0.03	0.3	155
EPF			08 02 18.3		*	08 03 47.6	0.02	0.5	

26-ENE *HO LAT LONG PRO RMS MAG IO*

080015.8 36 22 -06 37 21 0.6 3.9 GOLFO DE CADIZ

PTO			15 09 18.7						
EZAM	I		15 09 31.7						200
MVO	I		15 09 33.2	I		15 09 47.5			
COI	I		15 09 33.6	I		15 09 48.0			
MTE	I		15 09 34.2	I		15 09 49.5			
ERUA	I		15 09 40.5	E		15 10 00.3			276
STS	I		15 09 42.5	E		15 10 03.6			200
EPLA	I		15 09 49.5	E		15 10 13.6	0.14	0.2	283
MTH	I		15 09 53.0	I		15 10 20.0			
MOE	I		15 09 56.8	I		15 10 27.0			
LIS	I	*	15 10 03.7	I	*	15 10 35.6			
GUD	E		15 10 05.4	E		15 10 43.0	0.06	0.2	294
PAB	I		15 10 08.7	I		15 10 48.0			250
TOL	I		15 10 09.5	I		15 10 49.0	0.28	0.4	300
FAR	E	*	15 10 11.6	E	*	15 11 02.0			
EVAL	I		15 10 13.4	E		15 10 55.5	0.12	0.2	279
EHOR	I		15 10 17.5	E		15 11 04.6	0.13	0.3	216
LGR	E		15 10 22.5	I		15 11 15.0			260
ECRI	I		15 10 24.0	E		15 11 16.0	0.08	0.2	226
EBAN	I		15 10 24.4	E		15 11 15.5	0.04	0.2	268
EVIA	E		15 10 32.0	E		15 11 29.0	0.18	0.7	311
MAL	E	*	15 10 38.0	I	*	15 11 05.8	0.24	0.7	122
ENIJ	E		15 10 49.5						230
EROQ	E		15 10 53.5	E		15 12 06.0			223
EPF			15 10 53.8			15 12 07.6	0.01	0.3	
AVN			15 10 55.0						
VIH			15 10 56.5						
EBR		*	15 10 57.0	E	*	15 12 04.0			
LFF			15 11 05.2			15 12 27.8	0.01	0.4	
MRB			15 11 07.5						

31-ENE *HO LAT LONG PRO RMS MAG IO*

150915.3 41 13 -08 25 16 0.6 4.1 IV-V PORTO.PORT

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVAL				E		02 50 21.0	0.02	0.2	
EPRU	E		02 50 05.2	E		02 50 29.2			
IFR	I		02 50 16.0	I		02 50 49.0			
ALOJ	I		02 50 17.1						
ATEJ	I		02 50 17.4						
AAPN	I		02 50 18.5						
APHE	E		02 50 20.6						
ASMO	E		02 50 22.2						
AFC	I		02 50 23.8						
EBAN	I		02 50 26.5	E		02 51 08.0	0.01	0.2	89
EVIA	I		02 50 41.4	E		02 51 34.0			
TIO	I	*	02 50 46.9	I	*	02 51 32.5			
ECHE	E		02 51 04.7						107

04-FEB *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

024932.2 35 49 -07 26 32 0.8 3.2 GOLFO DE CADIZ

LIS	I		17 14 35.8	I		17 15 22.8			
MTH	I		17 14 36.2	I		17 15 23.5			
MOE	I	*	17 14 46.2	I		17 15 36.0			
EVAL	E		17 14 59.5	E		17 16 06.0	0.03	0.5	133
MTE			17 15 00.0	I		17 16 06.2			
EZAM	E		17 15 04.0	E		17 16 13.0	0.02	0.3	
MVO	I		17 15 09.5	I		17 16 22.5			
STS	E		17 15 12.0	E		17 16 27.5			
EPLA	E		17 15 13.0	E		17 16 26.8	0.02	0.3	147
EHOR	I		17 15 16.0	E		17 16 35.0			139
EPRU	E		17 15 17.5	E		17 16 37.0			
ERUA	E		17 15 18.2	E		17 16 38.2			
AAPN	I		17 15 29.2						
ALOJ	I		17 15 30.0						
ATEJ	E		17 15 31.0						
EBAN	E		17 15 31.7	E		17 17 03.0			
ASMO	E		17 15 33.0						
APHE	E		17 15 34.5						
GUD	E		17 15 34.7	E		17 17 05.5	0.01	0.5	189
AFC	E		17 15 35.0						
TIO	I		17 15 36.5	I	*	17 17 06.0			
EVIA	E		17 15 45.2						

05-FEB *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

171331.9 37 31 -14 27 30 0.5 3.7 ATLANTICO

ENIJ	I		19 58 34.9	E		19 58 41.0	0.05	0.2	
EALH	E		19 58 42.0	E		19 58 51.0			
EVIA	E		19 58 52.0	E		19 59 09.6	0.02	0.3	62
APHE	E		19 58 52.7						
ASMO	I		19 58 53.5	E	*	19 59 13.5			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBAN	E		19 58 56.5	E		19 59 17.0	0.01	0.2	44
AAPN	E		19 58 58.0	I	*	19 59 22.0			
ALOJ	E	*	19 59 00.0						

	HO	LAT	LONG	PRO	RMS	MAG	IO	
06-FEB	195828.6	37 19	-01 59	10	0.6	2.8		ZURGENA.AL

ECHE	I		07 00 24.3						125
ACU	I		07 00 25.2	E		07 00 33.3	0.01	0.2	88
EALH	E		07 00 36.5	E		07 00 55.2			118
EVIA	I		07 00 38.2	E		07 00 56.3	0.10	0.2	175
EROQ	I		07 00 46.4	E		07 01 11.2	0.02	0.2	115
EBR	E	*	07 00 49.0						
ENIJ	E		07 00 51.5						123
EBAN	I		07 00 53.4	E		07 01 23.7	0.03	0.2	150
PAB	I		07 00 58.0						120
AFC	E		07 00 58.9						105
ASMO	I		07 00 59.4	E	*	07 01 45.5			
TOL	E	*	07 01 01.0				0.05	0.8	100
AAPN	I		07 01 03.0						
ACHM	I		07 01 03.0						
APHE	I		07 01 03.5						
ALOJ	I		07 01 04.8						
ATEJ	I		07 01 06.0						
EHOR	E		07 01 09.5	E		07 01 53.8			95
GUD	E	=	07 01 12.4	E	=	07 01 48.4	0.02	0.2	150
VIH			07 01 11.4						
LGR	E	*	07 01 13.5	E	*	07 01 58.0			120
EPF			07 01 16.1						
EPLA	E		07 01 17.8	E		07 02 05.5			120
LPO			07 01 39.6						
LFF			07 01 42.7						

	HO	LAT	LONG	PRO	RMS	MAG	IO	
08-FEB	070013.9	39 03	-00 47	6	0.5	3.4	IV	NAVARRES.V

EPRU	I		06 38 09.6						
EJIM	E		06 38 19.0	E		06 38 28.2	0.06	0.2	47
EHOR	E		06 38 22.9	E		06 38 33.8	0.04	0.2	43
MAL	E		06 38 25.0	I	*	06 38 38.5			
ALOJ	I		06 38 27.0	E		06 38 42.0			
AAPN	I		06 38 28.0	E		06 38 43.0			
ATEJ	I		06 38 28.5	E		06 38 45.5			
EVAL	E		06 38 29.7	E		06 38 46.3			37
ACHM	E		06 38 30.5						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
APHE	I		06 38 33.2	E	*	06 38 55.5			
ASMO	E		06 38 33.5						
AFC	E		06 38 34.5	E		06 38 55.6	0.01	0.2	
EBAN	E	=	06 38 36.5	E	=	06 38 58.5	0.02	0.2	

10-FEB HO LAT LONG PRO RMS MAG IO
063808.3 37 02 -05 26 2 0.5 2.9 MORON.SE

EPRU	I		06 38 58.5						89
EJIM	E		06 39 08.4	E		06 39 17.5	0.07	0.2	68
EHOR	E		06 39 11.9	E		06 39 22.6	0.06	0.2	55
MAL	E		06 39 14.0	I	*	06 39 27.0	0.08	0.6	38
ALOJ	I		06 39 16.0	E		06 39 32.0			
AAPN	I		06 39 16.7	E		06 39 31.5			
ATEJ	I		06 39 17.5	E		06 39 34.3			
EVAL	E		06 39 18.4	E		06 39 35.0	0.03	0.2	63
ACHM	E		06 39 21.0						
APHE	I		06 39 21.0	E	*	06 39 43.0			
ASMO	E		06 39 22.0						
AFC	E		06 39 23.0	E		06 39 44.0	0.01	0.2	
EBAN	E		06 39 25.5	E		06 39 47.0	0.03	0.2	75

10-FEB HO LAT LONG PRO RMS MAG IO
063857.5 37 04 -05 26 7 0.6 3.1 MORON.SE

ASMO	I		08 26 57.1						
AFC	I		08 26 57.7	E		08 27 00.5	0.18	0.1	88
CRT	E		08 26 59.0	E		08 27 04.0			
ACHM	I		08 27 01.4	E	*	08 27 4.5			
AAPN	I		08 27 02.0	E		08 27 7.5			
APHE	I		08 27 03.0	E	*	08 27 8.0			
ALOJ	I		08 27 03.5	E	*	08 27 14.0			
ATEJ	I		08 27 05.2	E		08 27 15.5			
EBAN	I		08 27 06.0	E		08 27 15.2	0.07	0.2	91
MAL	E	=	08 27 13.7	I	=	08 27 27.7	0.20	0.7	35
ENIJ	E		08 27 16.5	E		08 27 32.0	0.01	0.2	
EHOR	E		08 27 17.4	E		08 27 35.0	0.06	0.3	62
EVIA	E		08 27 18.3	E		08 27 37.0	0.08	0.5	95
EPRU	E	=	08 27 21.2	E	=	08 27 39.4	0.03	0.5	72

10-FEB HO LAT LONG PRO RMS MAG IO
082653.4 37 30 -03 36 7 0.4 3.0 CAMPOTEJAR.GR

AFC	E		12 32 09.0	E		12 32 15.5			34
ASMO	I		12 32 09.0	E		12 32 15.0			
EBAN	I		12 32 11.7	I		12 32 19.5	0.03	0.2	53
AAPN	I		12 32 14.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
APHE	I		12 32 15.5						
ALOJ	E		12 32 16.0						
ATEJ	E	*	12 32 21.0						
EVIA	E		12 32 23.2	E		12 32 39.0	0.03	0.2	41

	HO	LAT	LONG	PRO	RMS	MAG	IO	
11-FEB	123201.4	37 41	-03 24	5	0.2	2.6		BELMEZ MORALEDA.J

EVAL	I		14 11 33.3	I		14 11 40.0	0.06	0.3	77
EHOR	E		14 11 40.2	E		14 11 51.0	0.07	0.2	57
AAPN	I		14 11 56.2	E	*	14 12 24.0			
ALOJ	I		14 11 57.5						
EBAN	E		14 11 58.2	E		14 12 24.7	0.01	0.2	68
ATEJ	E		14 12 00.0	E	*	14 12 28.0			
ASMO	E		14 12 00.0						
EPLA	E		14 12 01.3	E		14 12 27.4	0.02	0.3	78
APHE	E	*	14 12 06.5						
GUD	E	=	14 12 23.6	E	=	14 13 01.0	0.01	0.3	89

	HO	LAT	LONG	PRO	RMS	MAG	IO	
11-FEB	141125.0	37 54	-06 18	1	0.4	2.9		STA OLALLA CALA.H

OGE			14 51 32.3	E	*	14 51 38.3			
MADF			14 51 32.4	E		14 51 37.4			
ATE			14 51 33.1	E		14 51 39.3			
EPF			14 51 42.7						
VIH			14 51 50.7						
ECRI	E		14 51 55.6	E		14 52 16.0	0.03	0.2	90
LFF			14 51 57.6						
LGR	E	*	14 51 59.8	I	*	14 52 20.0			80
CAF			14 52 06.2			14 52 35.6			
AVN		*	14 52 01.7		*	14 52 27.1			
RJF			14 52 06.4			14 52 34.2	0.05	0.6	
MRB		=	14 52 14.3		=	14 52 45.4			
EROQ	E	=	14 52 17.0	E	=	14 52 50.3	0.02	0.3	91
EBR	E	*	14 52 20.0	E	*	14 52 57.0			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
11-FEB	145126.3	43 28	-00 38	1	0.5	3.3	IV	ARTHEZ.FR

MTE			16 23 58.0		*	16 24 02.8			
MVO	E		16 24 05.5						
EPLA	I		16 24 13.5	E		16 24 28.3	0.03	0.2	55
ERUA	E	=	16 24 27.3	E	=	16 24 50.5			
GUD	E	=	16 24 37.8	E	=	16 25 08.0			61

	HO	LAT	LONG	PRO	RMS	MAG	IO	
12-FEB	162353.8	40 34	-07 20		0.2	2.9		GUARDA.PORT

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ABA	I		01 48 01.5	I	*	01 48 20.0			200
ACU	E		01 48 25.5	E		01 49 00.4	0.11	0.7	200
EALH	E		01 48 27.5	E		01 49 04.0	0.06	0.7	200
ENIJ	E		01 48 30.7	E		01 49 09.0	0.05	0.4	263
ALM	E	*	01 48 38.8						139
ECHE	E		01 48 42.2	E		01 49 27.4	0.06	0.7	190
EVIA	I		01 48 44.0	E		01 49 32.5	0.17	0.7	240
AFC	I		01 48 47.2	E		01 49 37.0	0.03	0.6	200
APHE	I		01 48 47.6						
CRT	E		01 48 48.0						
ACHM	I		01 48 50.5						
ASMO	I		01 48 50.5	E	*	01 49 46.7			
ATEJ	I		01 48 50.7						
EROQ	I		01 48 51.7	E		01 49 45.0	0.03	0.3	157
EBAN	E		01 48 53.0	E		01 49 48.2	0.02	0.3	195
EBR	E	*	01 48 54.0						
ALOJ	I		01 48 54.0						
AAPN	I		01 48 54.7						
MAL	E		01 48 55.0	I		01 49 51.0	0.06	0.8	107
MRB			01 49 01.0						
AVN			01 49 05.5						
TOL	E		01 49 06.5				0.09	1.3	200
PAB	E		01 49 07.5	E		01 50 12.5			160
OLT			01 49 08.0						
IFR	I		01 49 12.0						
GUD	I		01 49 15.5	E		01 50 27.0			178
EPF			01 49 22.6				0.01	0.6	
LGR	I	=	01 49 26.0	I	=	01 50 44.5			190
LMR			01 49 35.9		*	01 50 59.0	0.01	0.3	
AVE	E		01 49 36.0						
LRG			01 49 38.3		*	01 51 02.4	0.01	0.4	
FRF			01 49 39.5		*	01 51 05.7	0.01	0.4	
TIO	I	*	01 50 04.5						

13-FEB

HO	*LAT*	*LONG*	*PRO*	*RMS*	*MAG*	*IO*	
014740.7	*36 06*	*-01 52*	*21*	*0.7*	*4.0*		*OULAD BOU JAMAA.ARG*

EVAL	E		00 45 54.2	I		00 46 07.8	0.09	0.1	62
ATEJ	E		00 46 13.5						
ALOJ	E		00 46 14.2	E		00 46 41.0			
AAPN	E		00 46 14.5	E		00 46 43.5			
ACHM	E		00 46 18.0						
APHE	E		00 46 19.4						
AFC	E		00 46 21.0	E		00 46 53.8			75
EBAN	I		00 46 22.1	E		00 46 57.2	0.01	0.1	86

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
IFR	I		00 46 27.0	I	*	00 47 01.0			
EVIA	I		00 46 36.7	E		00 47 23.0	0.01	0.2	92
GUD	I		00 46 44.9	E		00 47 36.0			108

19-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
	004536.3	36 34	-07 07	28	0.7	3.2		GOLFO DE CADIZ

EALH	E		07 52 43.0	E		07 52 51.0	0.03	0.3	85
ACU	E		07 52 44.0	E		07 52 52.3	0.02	0.3	76
EVIA	E		07 52 51.0	E		07 53 05.5	0.11	0.7	90
ECHE	E		07 52 54.3	E		07 53 10.0	0.03	0.7	97
EBAN	E		07 53 05.0	E		07 53 31.6			68
APHE	E	*	07 53 07.1						
AAPN	E		07 53 14.0						
ASMO	E	*	07 53 14.5						
AFC	E	=	07 53 17.0	E	=	07 53 44.0	0.02	0.7	75
ACHM	E	*	07 53 17.0						
ALOJ	E	*	07 53 22.5						
GUD	E	=	07 53 34.0	E	=	07 54 11.0			80

19-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
	075232.4	38 25	-01 13	3	0.3	2.7		SIERRA D CARCHE.MU

VIH			08 47 37.8			08 47 44.3			
OLT			08 47 44.1						
AVN			08 47 44.2			08 47 56.5			
EPF			08 47 46.4		*	08 47 56.0			
MRB			08 47 47.2						
EROQ	E	=	08 48 03.3	E	=	08 48 27.3	0.02	0.3	55
LPO		=	08 48 09.4		=	08 48 36.8	0.02	0.3	
CAF			08 48 10.0				0.01	0.3	

19-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
	084729.0	42 33	-01 26		0.6	3.1		W. ANDORRA.AND

VIH			13 12 06.7			13 12 14.4			
MLS			13 12 08.6			13 12 17.9			
AVN			13 12 09.5						
OLT			13 12 11.0						
MRB			13 12 11.7			13 12 23.5			
EPF			13 12 15.9			13 12 30.2			
FBR			13 12 16.2			13 12 30.2			
EROQ	E	=	13 12 29.0	E	=	13 12 51.0	0.04	0.3	72

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LPO		*	13 12 36.5			13 13 02.8	0.02	0.3	
CAF		*	13 12 40.1			13 13 08.8	0.02	0.3	
LFF		*	13 12 40.8			13 13 09.2	0.02	0.3	

	HO	LAT	LONG	PRO	RMS	MAG	IO	
20-FEB	131156.7	42 22	01 27	6	0.3	3.2		SEO DE URGEL.L

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
VIH			13 16 51.4			13 16 58.8			
MLS			13 16 52.1			13 17 02.0			
AVN			13 16 53.9						
MRB			13 16 56.2			13 17 07.5			
OLT			13 16 56.3						
SQD			13 16 57.2						
EPF			13 17 00.3			13 17 15.0			
FBR			13 17 01.0			13 17 14.2			
EROQ	E	=	13 17 13.5	E	=	13 17 35.5	0.03	0.3	68
LPO		*	13 17 21.0			13 17 47.3	0.01	0.3	
CAF		*	13 17 24.6			13 17 53.8	0.02	0.4	
LFF		*	13 17 25.0			13 17 53.8	0.02	0.4	

	HO	LAT	LONG	PRO	RMS	MAG	IO	
20-FEB	131641.1	42 22	01 26	5	0.4	3.1		SEO DE URGEL.L

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
VIH			13 33 09.8			13 33 17.4			
MLS			13 33 11.2			13 33 20.7			
AVN			13 33 12.3			13 33 22.4			
OLT			13 33 13.3						
MRB			13 33 14.3						
SQD			13 33 15.0			13 33 27.7			
FBR			13 33 18.5			13 33 32.5			
EPF			13 33 18.8			13 33 33.6	0.17	0.3	
VAN		*	13 33 24.0			13 33 46.0			
EROQ	I	=	13 33 31.0	E	=	13 33 53.3	0.10	0.2	126
EBR	E	=	13 33 31.0	E	=	13 33 54.0			
LPO		*	13 33 39.4			13 34 05.2	0.06	0.3	
CAF			13 33 42.5			13 34 12.4	0.09	0.4	
ECRI	E		13 33 46.0	E		13 34 21.2	0.04	0.4	110
LGR	E		13 33 46.8	I	*	13 34 24.4			140
RJF			13 33 47.0			13 34 20.0	0.04	0.3	
GUD	E		13 34 08.6	E		13 34 59.7	0.01	0.3	156
PAB	E		13 34 17.5	E		13 35 17.5			140

	HO	LAT	LONG	PRO	RMS	MAG	IO	
20-FEB	133259.3	42 22	01 29	1	0.5	3.6	IV	SEO DE URGEL.L

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
VIH			15 50 42.9			15 50 50.5			
MLS			15 50 44.1			15 50 53.4			
AVN			15 50 45.8						
OLT			15 50 47.0						
MRB			15 50 47.5						
SQD			15 50 48.8						
EPF			15 50 51.9			15 51 05.6			
FBR			15 50 52.3			15 51 06.5			
EROQ	E	=	15 51 04.8	I	=	15 51 27.0	0.02	0.2	68
LPO		*	15 51 12.6			15 51 39.2	0.01	0.3	
CAF		*	15 51 16.1			15 51 45.2	0.01	0.3	
LFF		*	15 51 17.0			15 51 45.3	0.01	0.3	

20-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
	155032.5	42 22	01 27	4	0.3	3.1	SEO DE URGEL.L	

VIH			16 38 55.7			16 39 03.2			
MLS			16 38 57.0			16 39 06.5			
AVN			16 38 58.8			16 39 08.9			
OLT			16 39 00.2						
SQD			16 39 01.2			16 39 13.5			
MRB			16 39 00.5						
FBR			16 39 04.7			16 39 19.5			138
EPF			16 39 04.8			16 39 18.6	0.25	0.3	
VAN			16 39 11.0			16 39 31.8			
JAU			16 39 12.9						
EROQ	E		16 39 15.6	I		16 39 37.0	0.10	0.2	138
EBR	E	=	16 39 17.0	E	=	16 39 39.0			
LPO			16 39 25.4			16 39 52.1	0.07	0.3	
CAF			16 39 28.8			16 39 58.6	0.18	0.4	
LFF			16 39 29.2			16 39 59.0	0.12	0.4	
ECRI	E		16 39 32.7	E		16 40 07.0	0.06	0.4	143
LGR	E	=	16 39 34.7	I	=	16 40 10.0			150
GUD	E		16 39 54.8	E		16 40 45.7	0.01	0.3	156
TOL	I		16 39 58.0	E	*	16 40 57.0	0.02	0.8	130
PAB	I		16 40 03.0	I	*	16 40 54.0			150

20-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
	163845.6	42 22	01 27	1	0.6	3.8	SEO DE URGEL.L	

FAR	I		18 38 25.0	I		18 38 31.6			
EVAL	I		18 38 32.8	E		18 38 45.8	0.26	0.2	192
CNIL	E		18 38 36.0						
OJEN	E		18 38 43.2						
SRQ	I		18 38 43.5						
EJIM	E		18 38 42.3	E		18 39 03.2			100

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPRU	I		18 38 44.0	E		18 39 04.6	0.02	0.2	150
MOE	E		18 38 46.0	I	*	18 39 16.0			
LIS	I		18 38 52.2	I	*	18 39 29.5			
EHOR	E	=	18 38 53.0	E	=	18 39 17.0	0.06	0.2	130
MTH	E		18 38 53.5	I	*	18 39 35.0			
MAL	I		18 38 54.0	I		18 39 22.2	0.06	0.4	68
AAPN	I		18 38 56.6	E		18 39 29.0			
ALOJ	I		18 38 57.0	E		18 39 26.5			
ATEJ	I		18 38 58.0	E		18 39 30.5			
ASMO	E		18 39 01.0						
APHE	I		18 39 01.5						
AFC	E		18 39 03.3	E		18 39 38.8	0.02	0.3	133
EBAN	I		18 39 03.4	E		18 39 39.3	0.02	0.2	202
COI	E		18 39 07.6	I	*	18 40 04.3			
IFR	I	=	18 39 08.5	I	=	18 39 49.5			
MTE	E		18 39 09.7	I	*	18 40 09.0			
PAB	E		18 39 10.5	I		18 39 53.0			200
EVIA	E		18 39 18.3	E		18 40 06.6	0.05	0.5	220
MVO	I		18 39 18.7	I		18 40 07.5			
PTO	E		18 39 21.4	E	*	18 40 20.1			
TOL	I	*	18 39 23.0	I		18 40 02.5	0.05	0.8	140
GUD	E		18 39 23.6	E		18 40 15.0	0.04	0.5	
EZAM	E		18 39 34.1						
ERUA	I		18 39 36.2						
TIO	I	=	18 39 37.4	I	=	18 40 39.5			
LGR	E	=	18 40 00.5	I	=	18 41 13.5			190

20-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
	183815.8	36 47	-07 30	26	0.7	3.7		GOLFO DE CADIZ

VIH			18 57 07.4						
MLS			18 57 09.1			18 57 17.9			
AVN			18 57 10.2						
OLT			18 57 11.0						
MRB			18 57 12.5			18 57 24.3			
EPF			18 57 16.2			18 57 29.7			
FBR			18 57 16.7			18 57 30.5			
EROQ	E	=	18 57 30.0	E	=	18 57 52.0	0.02	0.2	58
LPO		*	18 57 37.0			18 58 03.2	0.01	0.4	
CAF		*	18 57 40.2			18 58 10.4	0.01	0.4	

20-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
	185657.1	42 22	01 27	4	0.5	2.9		SEO DE URGEL.L

VIH			19 02 05.3						
AVN			19 02 08.5						
OLT			19 02 10.3						
MRB			19 02 10.4			19 02 22.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF			19 02 14.3			19 02 28.0			
EROQ	E		19 02 25.3	E		19 02 46.7	0.01	0.2	57
EBR	E	=	19 02 26.0	E	=	19 02 48.5			
CAF			19 02 38.1				0.01	0.3	

	HO	LAT	LONG	PRO	RMS	MAG	IO	
20-FEB	190155.5	42 22	01 25	1	0.4	2.7		SEO DE URGEL.L

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
VIH			19 14 24.4			19 14 31.8			
MLS			19 14 26.5						
AVN			19 14 27.4		*	19 14 38.9			
OLT			19 14 29.0						
MRB			19 14 29.5			19 14 41.1			
EPF			19 14 33.4			19 14 47.4			
FBR			19 14 33.7			19 14 47.0			
EROQ	E	=	19 14 47.0	E	=	19 15 08.0	0.01	0.2	72
CAF		*	19 14 57.4			19 15 27.2	0.01	0.4	

	HO	LAT	LONG	PRO	RMS	MAG	IO	
20-FEB	191414.5	42 21	01 25	8	0.4	2.8		SEO DE URGEL.L

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
VIH			20 41 05.1			20 41 12.5			
MLS			20 41 06.5			20 41 15.3			
AVN			20 41 07.7			20 41 18.5			
OLT			20 41 08.7						
MRB			20 41 09.5						
SQD			20 41 10.5			20 41 23.0			
EPF			20 41 13.7			20 41 27.5	0.15	0.3	
FBR			20 41 14.0			20 41 28.5			
JAU			20 41 22.1	E		20 41 42.1			
EROQ	E		20 41 25.0	E		20 41 46.8	0.08	0.2	114
EBR	E	=	20 41 26.0	E	=	20 41 48.5			
LPO		*	20 41 34.4			20 42 01.0	0.04	0.3	
CAF		*	20 41 38.0			20 42 08.0	0.09	0.4	
LFF		*	20 41 38.4			20 42 08.8	0.06	0.3	
LGR	E		20 41 41.5	I		20 42 16.5			130
ECRI	E	=	20 41 51.0	E	=	20 42 26.3	0.03	0.3	109
GUD	E		20 42 03.8	E		20 42 55.0	0.01	0.3	144
PAB	I		20 42 12.0						130
TOL				E		20 43 02.0			100

	HO	LAT	LONG	PRO	RMS	MAG	IO	
20-FEB	204054.7	42 22	01 28	2	0.5	3.6	IV	SEO DE URGEL.L

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
VIH			21 04 06.0						
MLS			21 04 07.8			21 04 16.8			
AVN			21 04 08.9			21 04 19.6			
OLT			21 04 09.8						
MRB			21 04 10.5						
SQD			21 04 11.5			21 04 23.8			
EPF			21 04 15.0			21 04 29.6			
FBR			21 04 15.3			21 04 30.2			
EROQ	I		21 04 26.2	E		21 04 47.5	0.04	0.2	82
EBR	E	=	21 04 27.0	E	=	21 04 50.0			
ATE		*	21 04 28.2	E	*	21 04 53.3			
LPO		*	21 04 35.8			21 05 02.1	0.02	0.3	
CAF		=	21 04 39.1		=	21 05 09.5			
LFF		=	21 04 40.0		=	21 05 10.6	0.03	0.3	

20-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
	210355.8	42 23	01 29	3	0.4	3.3		SEO DE URGEL.L

CNIL	E		23 44 19.0						
EVAL	E		23 44 20.0	E		23 44 41.5	0.07	0.2	142
EJIM	I		23 44 26.4	E		23 44 52.0			
EPRU	E		23 44 29.5	E		23 44 57.8			123
MOE	E	=	23 44 31.0	I	=	23 44 59.5			
AVE	E		23 44 37.0	I		23 45 10.0			
MAL	E		23 44 38.8	I		23 45 12.5			
MTH	E	=	23 44 40.0	I	=	23 45 13.0			
ALOJ	I		23 44 42.0	E		23 45 19.8			
ATEJ	I		23 44 42.5	E		23 45 20.4			
AAPN	I		23 44 42.7	E		23 45 21.3			
LIS	E	*	23 44 43.0	E	*	23 45 11.0			
ACHM	I		23 44 45.5						
IFR	I		23 44 46.5	I	*	23 45 24.0			
APHE	I		23 44 46.7	E	*	23 45 21.5			
ASMO	I		23 44 47.0	E	*	23 45 25.5			
AFC	E		23 44 49.0	E		23 45 31.8	0.01	0.2	121
EBAN	I		23 44 50.2	E		23 45 34.3	0.01	0.2	142
EPLA	E		23 44 54.3	E		23 45 40.4	0.02	0.4	105
MTE	E		23 44 55.0	E		23 45 43.0			
EVIA	E	=	23 45 04.8	E	=	23 46 00.8	0.02	0.3	168
MVO	E		23 45 06.2	E	*	23 46 04.5			
TIO	I		23 45 08.9	I	*	23 46 05.0			
GUD	E		23 45 10.8	E		23 46 10.5	0.01	0.4	168

24-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
	234351.7	36 11	-08 04	14	0.5	3.4		GOLFO DE CADIZ

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MOMI	E		01 05 49.1						
CNIL	E		01 05 49.2						
EJIM	E		01 05 49.5	E		01 05 54.5			79
PLAT	E		01 05 50.7						
EPRU	E		01 05 53.8	E		01 06 02.9	0.07	0.5	80
SRQ	E	*	01 05 55.0						
EVAL	I		01 06 03.7	E		01 06 19.6	0.05	0.4	75
MAL	I	*	01 06 04.8	I	*	01 06 23.8	0.12	1.0	36
EHOR	E		01 06 04.8	E		01 06 21.3	0.02	0.4	70
ATEJ	I	*	01 06 09.0						
ALOJ	I	*	01 06 09.5						
AAPN	I	*	01 06 10.2	E	*	01 06 33.0			
ACHM	E	*	01 06 13.5						
APHE	I	*	01 06 16.0						
ASMO	E	*	01 06 16.5						
EBAN	E	=	01 06 26.0	E	=	01 06 52.0			65

26-FEB HO LAT LONG PRO RMS MAG IO
010542.8 36 34 -05 48 24 0.3 2.8 PATERNA RIVERA.CA

PLAT	E		17 32 24.4						
MOMI	E		17 32 26.5						
SRQ	E		17 32 27.0						
EJIM	I		17 32 28.8	E		17 32 45.8			72
IFR	I		17 32 34.5	E	*	17 32 55.7			
EPRU	I		17 32 36.0	E		17 32 58.5	0.06	0.7	92
MAL	I		17 32 38.4	I	*	17 32 57.0			
AVE	I		17 32 39.4	I		17 33 06.0			
ATEJ	I		17 32 40.7	E	*	17 33 06.0			
EVAL	E		17 32 42.6	E		17 33 11.6	0.06	0.3	93
APHE	I		17 32 43.8	E	*	17 33 11.0			
ALOJ	I		17 32 44.2	E		17 33 10.5			
ACHM	E		17 32 45.5						
EHOR	E		17 32 46.0	E		17 33 16.6	0.03	0.2	82
AAPN	I		17 32 46.4	E	*	17 33 11.5			
ASMO	I		17 32 49.2	E		17 33 20.5			
AFC	E		17 32 50.0	E		17 33 21.8	0.01	0.2	87
EBAN	I		17 32 56.6	E		17 33 36.6	0.08	0.1	106
TIO	I		17 33 09.5	I		17 33 59.5			
EVIA	E		17 33 10.0	E		17 33 58.8	0.04	0.2	122
EPLA	E		17 33 15.8	E		17 34 07.5	0.01	0.2	110
MTE	E		17 33 22.0	I		17 34 17.7			
GUD	E		17 33 26.6	E		17 34 26.5	0.01	0.2	138
MVO	I		17 33 31.0	I	*	17 34 33.0			

26-FEB HO LAT LONG PRO RMS MAG IO
173204.9 35 15 -06 06 100 0.7 3.3 LARACHE.MAC

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		13 54 42.0	I		13 54 47.6			
EPRU	E		13 54 46.8	E		13 54 54.2	0.02	0.2	34
EJIM	E		13 54 48.7						25
AFC	E		13 54 54.0	E		13 55 08.4	0.01	0.2	43
EHOR	E		13 54 56.0	E		13 55 11.3	0.02	0.2	39
EBAN	E	=	13 55 03.8	E	=	13 55 23.5	0.03	0.1	40

	HO	LAT	LONG	PRO	RMS	MAG	IO	
27-FEB	135436.3	36 40	-04 41	31	0.4	2.8		ALHAURIN GRANDE.MA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPRU	I		12 08 13.8						63
EJIM	E		12 08 23.8	E		12 08 31.4			50
EHOR	E		12 08 28.0	E		12 08 39.0	0.07	0.2	42
MAL	E		12 08 29.0	I		12 08 38.5			
ALOJ	I		12 08 31.2						
AAPN	I		12 08 32.0	E		12 08 46.5			
ATEJ	I		12 08 32.5						
ACHM	E		12 08 35.7						
EVAL	E		12 08 35.8	E		12 08 52.8	0.01	0.2	50
APHE	I		12 08 37.0						
ASMO	E		12 08 37.7						
AFC	E		12 08 38.8						67

	HO	LAT	LONG	PRO	RMS	MAG	IO	
29-FEB	120813.1	37 01	-05 21	1	0.4	2.9		MORON.SE

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPLA	I		18 09 05.4	E		18 09 20.3	0.02	0.2	36
EHOR	I		18 09 08.4	E		18 09 25.0	0.01	0.2	33
EBAN	I		18 09 11.0	E		18 09 31.2	0.01	0.2	57
GUD	I	=	18 09 17.2	E	=	18 09 39.4			40

	HO	LAT	LONG	PRO	RMS	MAG	IO	
29-FEB	180845.1	39 07	-05 18	7	0.2	2.9		CASAS DON PEDRO.BA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		00 39 24.4	I		00 39 30.8	0.13	0.4	24
EPRU	I		00 39 26.0	E		00 39 33.0	0.01	0.2	44
EJIM	I		00 39 26.5	E		00 39 34.2			44
AFC	E		00 39 37.0						40
EHOR	E		00 39 37.8	E		00 39 53.5	0.01	0.2	41
EBAN	E		00 39 44.3	E		00 40 06.2	0.02	0.1	45

	HO	LAT	LONG	PRO	RMS	MAG	IO	
01-MAR	003916.7	36 36	-04 51	25	0.3	2.7		OJEN.MA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTH	E		12 59 37.5	I	*	13 00 12.5			
MOE	I		12 59 39.7	I	*	13 00 27.0			
EVAL	E		12 59 48.5	E		13 00 29.0	0.02	0.2	85
AVE	I		12 59 58.0	I		13 00 46.0			
EHOR	E		13 00 05.5	E		13 00 59.0			92
EPLA	E		13 00 10.5	E		13 01 09.0	0.01	0.2	82
MVO	E		13 00 14.0	E		13 01 15.5			
IFR	I		13 00 14.8	I	*	13 01 15.0			
EBAN	E		13 00 21.5	E		13 01 26.0	0.01	0.2	100
TIO	I		13 00 26.0	I	*	13 01 30.0			
GUD	E		13 00 32.0	E		13 01 44.5			120

03-MAR

HO	LAT	LONG	PRO	RMS	MAG	IO
125853.6	36 29	-11 09	33	0.9	3.3	ATLANTICO

MOMI	I		01 49 35.8						
PLAT	I		01 49 39.4	E		01 49 43.2			
EJIM	I		01 49 39.6	E		01 49 44.1			108
CNIL	I		01 49 40.3						
OJEN	I		01 49 42.0	E		01 49 45.8			
EPRU	E		01 49 50.2	E		01 50 01.0	0.09	0.6	109
MAL	E	*	01 50 01.5	I	*	01 50 15.0	0.17	0.8	50
EHOR	E		01 50 03.0	E		01 50 23.2	0.02	0.3	
ATEJ	I		01 50 03.0						
EVAL	E	=	01 50 05.8	E	=	01 50 25.4	0.04	0.5	
ALOJ	I		01 50 04.2						
AAPN	I	*	01 50 07.0						
APHE	I		01 50 07.5						
ACHM	I	*	01 50 08.0						
ASMO	I	*	01 50 12.4						
EVIA	E		01 50 28.8	E		01 51 11.0			130
EPLA	E		01 50 32.8	E		01 51 16.3			109
GUD	I		01 50 43.0	E		01 51 34.3	0.01	0.5	133

04-MAR

HO	LAT	LONG	PRO	RMS	MAG	IO
014935.8	36 21	-05 47	1	0.7	3.0	BENALUP SIDONIA.CA

FAR	I		00 55 18.3	I		00 55 26.2			
EVAL	E		00 55 26.0	E		00 55 39.5	0.02	0.2	50
MOE						00 56 02.0			
MTH						00 56 17.0			
EBAN	E		00 55 56.3	E		00 56 32.0	0.02	0.5	75

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
IFR	I		00 55 58.0	I		00 56 35.0			
MTE						00 56 44.0			
MVO			00 56 12.5						

06-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	005505.2	36 30	-07 28	31	0.8	3.0		GOLFO DE CADIZ

EMEL	E		19 01 40.0	E		19 01 50.7			48
MAL	E		19 01 49.0	I		19 02 05.0	0.13	0.4	43
AFC	E		19 01 55.5	E		19 02 17.3	0.01	0.3	63
IFR	I		19 02 03.0	I		19 02 30.0			
EBAN	E		19 02 08.5	E		19 02 39.5	0.01	0.4	70
EHOR	E	=	19 02 16.4	E	=	19 02 46.5			55
EVIA	E	=	19 02 24.0	E	=	19 03 02.7			80

06-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	190126.1	35 32	-03 52	6	0.4	2.8		ALBORAN

AVE	I		20 40 05.8	I	*	20 40 30.5			
TIO	I	*	20 40 18.5	I	*	20 41 07.0			
IFR	I		20 40 31.0	I		20 41 15.0			
OJEN	E	*	20 40 43.0						
EJIM	E		20 40 45.4	E		20 41 36.0			128
EVAL	E		20 40 47.0	E		20 41 42.0	0.03	0.2	144
MOE	I		20 40 54.6	I		20 41 52.0			
MTH	E	*	20 40 59.5	I		20 41 58.5			
EHOR	E		20 40 59.9	E		20 42 03.5	0.02	0.2	85
ATEJ	I		20 41 00.0						
ALOJ	I		20 41 02.5						
APHE	I		20 41 03.5						
AAPN	I		20 41 03.7	E		20 42 10.5			
ACHM	E		20 41 05.0						
ASMO	I		20 41 07.5						
AFC	E		20 41 08.4	E		20 42 17.8			150
EBAN	I		20 41 13.0	E		20 42 27.0	0.02	0.2	150
MTE	E		20 41 21.5			20 42 39.5			
EVIA	E	=	20 41 27.2	E	=	20 42 52.0	0.02	0.2	211
MVO	E	*	20 41 37.5			20 42 59.0			
GUD	E		20 41 38.0	E		20 43 11.0			211

10-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	203935.5	33 18	-09 38	15	0.7	3.9		ATLANTICO

ENIJ	I		19 59 48.5	E		19 59 52.0	0.11	0.3	68
ALM	E		19 59 50.4	I		19 59 57.4			22
AFC	E		20 00 00.5						55
APHE	I		20 00 03.5						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ASMO	I	*	20 00 06.0						
ACHM	E		20 00 06.0						
EVIA	E		20 00 07.8	E		20 00 26.2	0.04	0.3	78
ALOJ	I		20 00 09.0						
EBAN	E		20 00 09.6	E		20 00 29.6	0.01	0.3	57
ATEJ	E	*	20 00 10.0	E	*	20 00 32.2			
AAPN	I	*	20 00 10.4	E	*	20 00 32.0			

11-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	195943.0	37 15	-02 17	2	0.5	2.8		CHERCOS.AL

ENIJ	E		11 20 43.2	E		11 21 06.0	0.02	0.2	
ACU	E		11 20 57.0	E		11 21 29.5			
APHE	I		11 20 57.2	E	*	11 21 35.5			
AFC	E		11 20 59.0						
ATEJ	E	*	11 21 00.0	E	*	11 21 38.5			
ACHM	I		11 21 00.9						
ASMO	I		11 21 02.0						
ABA	E		11 21 05.0						
EVIA	E		11 21 05.0	E		11 21 41.5	0.02	0.3	
ALOJ	E	*	11 21 05.6						
AAPN	I		11 21 06.2						
EBAN	E		11 21 08.0						

13-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	112015.8	35 55	-00 39		0.7	3.2		N. ORAN

EPRU	E		08 22 17.7	E		08 22 21.2	0.04	0.2	
MAL	E		08 22 21.3	I		08 22 27.7	0.09	0.7	34
EJIM	E		08 22 23.5	E		08 22 31.0			53
ATEJ	I		08 22 26.0						
ALOJ	I		08 22 27.5						
AAPN	I		08 22 29.0						
APHE	E	*	08 22 30.0						
ACHM	E		08 22 31.0						
EHOR	E		08 22 31.0	E		08 22 45.0	0.02	0.2	47
ASMO	I		08 22 34.5						
AFC	E		08 22 35.3	E		08 22 52.0			50
EBAN	E		08 22 40.2	E		08 23 01.5	0.01	0.3	55

14-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	082213.2	36 50	-04 59	7	0.5	2.6		EL BURGO.MA

EPRU	I		08 33 13.8	E		08 33 18.0	0.05	0.2	75
MAL	I		08 33 17.8	I		08 33 23.8			
EJIM	E		08 33 19.7						58
ATEJ	I		08 33 22.2	E	*	08 33 36.0			
ALOJ	I		08 33 23.0	E		08 33 34.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AAPN	I		08 33 24.5	E		08 33 37.0			
EHOR	E		08 33 27.0	E		08 33 41.2	0.02	0.3	40
APHE	I		08 33 27.2						
ACHM	I		08 33 27.7						
ASMO	E		08 33 29.5						
AFC	E		08 33 31.3	E		08 33 48.0	0.01	0.2	48
EBAN	E		08 33 36.6	E		08 33 56.8	0.02	0.3	45

	HO	LAT	LONG	PRO	RMS	MAG	IO	
14-MAR	083309.3	36 49	-04 59	9	0.6	2.7		EL BURGO.MA

EVAL	I		11 34 55.0	E		11 35 02.0	0.04	0.3	52
EHOR	E		11 35 01.8	E		11 35 13.0	0.04	0.2	53
MTH		*	11 35 08.0						
MOE	E		11 35 18.6	I		11 35 39.0			
EBAN	E		11 35 19.7				0.01	0.2	65
EPLA	E		11 35 23.5	E		11 35 50.6	0.01	0.2	50
EVIA	E		11 35 34.0						78
MTE	E	=	11 35 36.5	E	=	11 36 08.6			
MVO	E		11 35 37.2	I	*	11 36 28.5			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
16-MAR	113447.0	37 50	-06 16	7	0.7	2.8		ZUFRE.H

OLT			21 19 05.9						
FBR			21 19 17.0			21 19 29.5			
MLS			21 19 18.8			21 19 33.2			
VIH			21 19 19.1			21 19 33.9			
AVN			21 19 20.9			21 19 36.8			
EPF			21 19 27.6			21 19 47.4			
EROQ	E		21 19 34.5	E		21 19 59.0			142
EBR	E	=	21 19 37.0	E	=	21 20 02.0			
LPO			21 19 40.8						
CAF			21 19 42.2						
LFF			21 19 45.8			21 20 18.6			
RJF			21 19 47.8			21 20 22.4			
ETOR	E		21 19 55.9	E		21 20 35.0	0.04	0.4	172
LGR	E	=	21 19 56.0	I	=	21 20 36.5			165
ECRI	I	=	21 19 56.2	E	=	21 20 36.4	0.04	0.3	130
ECHE	E		21 19 57.1	E		21 20 38.3	0.02	0.4	134
GUD	E		21 20 16.2	E		21 21 11.7	0.01	0.3	155
TOL	E		21 20 20.0	E		21 21 19.0	0.02	0.8	130

	HO	LAT	LONG	PRO	RMS	MAG	IO	
16-MAR	211900.5	42 20	02 09	1	0.5	3.6	IV	RIBAS DE FRESSER.GE

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MOMI	I		00 01 23.0						
PLAT	I		00 01 26.6	E		00 01 30.5			
EJIM	I		00 01 27.0	E		00 01 31.3			136
CNIL	I		00 01 27.5						
OJEN	I		00 01 28.0						
SRQ	E		00 01 28.2	E		00 01 34.0			
EPRU	E		00 01 37.3	E		00 01 47.0	0.13	0.6	137
MAL	I		00 01 45.2	I	*	00 02 04.0	0.21	0.8	64
EVAL	E		00 01 48.3	E		00 02 10.0	0.05	0.6	122
ATEJ	I		00 01 50.0						
EHOR	E		00 01 51.2	E		00 02 10.5	0.03	0.5	103
AAPN	I		00 01 51.7						
ALOJ	I	*	00 01 52.0						
ASMO	E	*	00 01 52.5						
APHE	E		00 01 53.6						
ACHM	E	*	00 01 55.0						
AFC	E		00 01 57.0	E		00 02 21.3			80
EBAN	E		00 02 01.6				0.02	0.6	80
CRT	E	*	00 02 02.0						
EVIA	E		00 02 16.7				0.02	0.6	139
EPLA	I		00 02 20.2						112
TOL	E	*	00 02 30.0	E	*	00 03 21.0	0.02	0.8	110
GUD	E		00 02 30.0						110

17-MAR HO LAT LONG PRO RMS MAG IO

000123.0 36 20 -05 45 1 0.6 3.0 BENALUP SIDONIA.CA

OLT			15 37 32.5						
MRB			15 37 41.3			15 37 52.3			
MLS			15 37 45.8						
VIH			15 37 46.0						
AVN			15 37 47.8			15 38 04.0			
EPF			15 37 54.9			15 38 14.0			
EROQ	E	=	15 38 03.6	E	=	15 38 29.0	0.04	0.3	73
EBR	E	=	15 38 04.0	E	=	15 38 29.0			
LPO			15 38 08.0				0.02	0.3	
CAF			15 38 09.0			15 38 39.1			
LFF			15 38 12.1			15 38 44.5	0.02	0.3	

17-MAR HO LAT LONG PRO RMS MAG IO

153727.1 42 21 02 10 1 0.5 3.2 III RIBAS DE FRESSER.GE

ALM	I		06 57 26.4	I		06 57 32.5			37
APHE	I		06 57 30.2	E	*	06 57 37.0			
ENIJ	I		06 57 30.4	E		06 57 40.0	0.05	0.2	67
AFC	E		06 57 33.0	E		06 57 43.2	0.02	0.2	70

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ATEJ	I		06 57 34.1	E		06 57 46.5			
ASMO	I		06 57 36.9	E		06 57 48.5			
ALOJ	I		06 57 36.9	E		06 57 51.5			
AAPN	I		06 57 40.5						
EBAN	E	=	06 57 49.4	E	=	06 58 10.6	0.01	0.3	54
EVIA	E	=	06 57 56.3	E	=	06 58 21.5	0.02	0.4	69

19-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	065718.2	36 38	-02 57	3	0.4	2.7		S. ADRA

ENIJ	E		19 32 48.3						76
ALM	E		19 32 52.4	E	*	19 32 55.0			21
AFC	E		19 33 06.2	E		19 33 22.0			
EVIA	E		19 33 13.4	E		19 33 33.5	0.05	0.6	58
APHE	E		19 33 09.0						
ASMO	E		19 33 10.0						
ACHM	E		19 33 12.0						
ATEJ	E		19 33 14.0						
ALOJ	E	*	19 33 16.0						
AAPN	E	*	19 33 16.0						
EBAN	E		19 33 16.2	E		19 33 37.8	0.01	0.2	42

20-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	193246.1	37 07	-02 07	1	0.6	2.8		SORBAS.AL

ENIJ	I		19 44 50.6	E		19 44 53.0			105
ALM	I		19 44 54.4	I		19 45 00.3			60
EALH	E		19 45 03.8	E		19 45 15.7	0.04	0.3	84
AFC	E		19 45 07.9	E		19 45 24.2	0.02	0.2	98
CRT	E		19 45 09.0						
APHE	I		19 45 10.0	E	*	19 45 24.5			
ASMO	I		19 45 11.0	E	*	19 45 32.0			
ACHM	I		19 45 12.1						
EVIA	E		19 45 14.0	E		19 45 34.7	0.12	0.3	136
ATEJ	I		19 45 15.0						
EBAN	E		19 45 16.4	E		19 45 38.5	0.03	0.2	82
ALOJ	I	*	19 45 16.5						
AAPN	I	*	19 45 17.6	E	*	19 45 40.0			
MAL	E	*	19 45 25.0	I	*	19 45 47.0	0.07	0.8	62
TOL	E		19 45 35.5				0.04	0.6	90
PAB	I	*	19 45 43.5	I	*	19 46 22.0			130
ETOR	E		19 45 44.0				0.02	0.5	133
GUD	E	=	19 46 01.5	E	=	19 46 46.0	0.01	0.4	105

20-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	194447.1	37 07	-02 05	4	0.3	3.1		SORBAS.AL

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ENIJ	I		22 47 36.8	E		22 47 39.0	0.10	0.2	55
ALM	E		22 47 40.6	I		22 47 46.7			
AFC	E		22 47 54.7						
APHE	E		22 47 57.7						
ASMO	E	*	22 48 00.0						
EVIA	E		22 48 02.0	E		22 48 22.0	0.02	0.3	53
AAPN	E	*	22 48 04.5						
ALOJ	E	*	22 48 04.5						
ATEJ	E	*	22 48 07.5						

20-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO
	224734.1	37 06	-02 06	2	0.4	2.7	SORBAS.AL

EBAN	E		00 32 33.0	E		00 32 45.0	0.02	0.2	51
EHOR	E		00 32 38.5	E		00 32 54.5	0.02	0.3	30
EVIA	E		00 32 45.5	E		00 33 05.5	0.02	0.2	84
AAPN	E		00 32 46.0	E		00 33 06.5			
ASMO	E		00 32 46.5	E	*	00 33 09.5			
EPLA	E		00 32 48.0	E		00 33 09.8			47
ALOJ	E	=	00 32 49.5	E	=	00 33 13.0			
GUD	E		00 32 49.8	E		00 33 12.6	0.02	0.4	77

24-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO
	003217.9	38 50	-04 30	1	0.7	2.9	ABENOJAR.CR

ALM	I		10 27 36.4	I		10 27 39.4			53
ENIJ	I		10 27 37.2	E		10 27 40.6			74
AFC	I		10 27 46.3	E		10 27 58.4	0.02	0.2	64
APHE	I		10 27 48.0	E		10 27 59.2			
ASMO	I		10 27 50.1	E	*	10 28 05.5			
ACHM	I		10 27 51.0						
ATEJ	I		10 27 52.5	E		10 28 06.5			
EALH	E		10 27 53.4	E		10 28 11.0	0.01	0.3	63
ALOJ	I		10 27 53.7	E	*	10 28 13.5			
AAPN	I	*	10 27 57.0	E	*	10 28 15.7			
EBAN	E		10 27 58.3	E		10 28 17.8	0.02	0.2	70
EVIA	E		10 28 00.3	E		10 28 21.0	0.06	0.2	82

25-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO
	102732.1	36 59	-02 35	10	0.8	2.8	ALHABIA.AL

EPF		21 31 05.6			
JAU	E	21 31 07.6	E	21 31 11.5	
OGE		21 31 09.2			
ISSF		21 31 13.0			
MADF	E	21 31 13.5	E	21 31 22.1	
VIH		21 31 13.8		21 31 23.1	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AVN			21 31 25.6			21 31 42.4			
LPO		=	21 31 35.9		=	21 32 00.6	0.02	0.2	
LGR	E		21 31 36.0	I		21 32 01.0			70
ECRI	E	=	21 31 39.3		=	21 32 03.5	0.01	0.2	58
MRB		=	21 31 38.2		=	21 32 04.0			
LFF		=	21 31 38.5		=	21 32 04.5	0.02	0.2	
CAF		=	21 31 46.2		=	21 32 16.6	0.01	0.2	

26-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	213102.2	43 01	00 02	1	0.7	3.1	III	LOURDES.FR

ENIJ	E		13 00 41.5	E		13 00 49.0	0.03	0.2	43
EALH	E		13 00 46.7	E		13 00 57.8			
AFC	E		13 00 49.5						
EVIA	E		13 00 51.5	E		13 01 05.8	0.02	0.2	44
ASMO	I		13 00 52.0	E	*	13 01 09.0			
APHE	I		13 00 52.0						
AAPN	I	*	13 00 52.5	E	*	13 01 16.5			
EBAN	E		13 00 53.5	E		13 01 10.4	0.01	0.2	44
ACHM	E	*	13 00 55.8						
ATEJ	E	*	13 00 58.0						
ALOJ	E	*	13 00 58.0						

28-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	130031.9	37 29	-02 19	25	0.4	2.8		ORIA.AL

EVAL	I		13 38 54.5	E		13 39 07.9	0.08	0.2	113
EHOR	E		13 38 55.5	E		13 39 11.5	0.09	0.2	103
EPLA	E		13 39 02.1	E		13 39 21.5	0.05	0.2	118
MOE	I		13 39 03.7	I		13 39 24.2			
PAB	I	*	13 39 08.0						75
EBAN	E		13 39 08.8	E		13 39 34.0	0.03	0.2	100
EPRU	E	=	13 39 10.0	E	=	13 39 33.0			78
MTE	E	*	13 39 12.5	I		13 39 36.5			
ALOJ	I		13 39 12.5	E	*	13 39 48.5			
MTH	E		13 39 12.8	I	*	13 39 45.8			
ATEJ	E	*	13 39 17.5	E	*	13 39 56.5			
GUD	E		13 39 18.0	E		13 39 49.7	0.02	0.3	135
MVO	E		13 39 18.5	I	*	13 39 55.3			
ASMO	E	*	13 39 19.0	E	*	13 39 50.5			
APHE	E	*	13 39 21.5						
EVIA	E		13 39 22.0	E		13 39 56.6	0.03	0.3	108
ETOR	E		13 39 36.0	E		13 40 21.0	0.01	0.3	119

29-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	133835.7	38 33	-06 18	5	0.4	3.3		VFRANCA D BARROS.BA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	I		20 16 16.4	E		20 16 25.5	0.12	0.2	106
STS	E		20 16 23.9	E		20 16 38.0	0.06	0.2	83
EZAM	E		20 16 31.0	E		20 16 50.8	0.03	0.2	65
MVO	I	=	20 16 38.5	I	=	20 17 02.8			
EPLA	E		20 16 52.8	E		20 17 30.6	0.02	0.3	95
MTE	E	*	20 16 53.5	I	*	20 17 28.5			
LGR	E		20 16 59.0	E		20 17 41.0			105
GUD	E	=	20 17 03.0	E	=	20 17 42.0	0.02	0.3	133

29-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	201605.2	43 02	-07 10	1	0.5	3.3		BALEIRA.LU

CRT	I		04 21 53.4	E		04 21 54.5			
AFC	I		04 21 54.2	E		04 21 56.0	0.13	0.2	44
ASMO	I		04 21 55.4	E		04 21 58.0			
ACHM	I		04 21 55.5	E		04 21 58.5			
APHE	I		04 21 56.2	E		04 22 00.7			
ALOJ	I		04 21 58.7	E		04 22 05.0			
ATEJ	I		04 21 59.5	E		04 22 05.5			
EBAN	I	=	04 22 12.0	E	=	04 22 26.3	0.01	0.2	32

01-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	042151.7	37 12	-03 37	10	0.3	2.6		GRANADA.GR

MAL	I		17 43 56.8	I		17 44 02.0	1.45	0.5	62
AFC	E		17 44 04.5				0.01	0.2	64
EHOR				E		17 44 24.0	0.02	0.2	
EBAN	I		17 44 12.8	E		17 44 28.6	0.03	0.3	48
EVAL	E		17 44 22.8						54
EVIA	E		17 44 26.0	E		17 44 53.0			55

01-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	174351.3	37 02	-04 24	14	0.3	2.9		ARCHIDONA.MA

ACU	E		21 15 30.0	E		21 15 38.4	0.02	0.2	40
EALH	E		21 15 30.5	E		21 15 39.3			60
EVIA	E	=	21 15 49.0	E	=	21 16 10.3	0.01	0.4	63
ECHE	E	=	21 15 50.2	E	=	21 16 11.2			

01-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	211518.4	37 54	-00 35	11	0.2	2.7		III SE. TORREVIEJA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EMEL	I		04 12 12.0	E		04 12 21.0			58
TAF	I		04 12 26.0	I	*	04 12 44.0			
MAL	E		04 12 29.5						
ENIJ	E		04 12 30.8	E		04 12 51.0	0.02	0.3	81
AFC	E		04 12 31.0	E		04 12 52.0			
IFR	I	*	04 12 39.5		*	04 13 01.5			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
01-ABR	041204.4	35 44	-03 17	5	0.6	2.8		ALBORAN

OLT			17 13 54.5						
SQD			17 13 56.1			17 14 03.0			
ETER	E		17 13 57:5	E		17 14 05.8	0.05	0.2	32
MRB			17 14 02.3			17 14 13.5			
MLS			17 14 04.3			17 14 17.3			
VIH			17 14 04.5			17 14 18.7			
EPF			17 14 12.6			17 14 32.6			
EROQ	E	=	17 14 24.0	E	=	17 14 49.3	0.03	0.2	55
JAU		=	17 14 25.0	E	=	17 14 50.6			
CAF		*	17 14 34.2			17 14 57.3	0.01	0.2	
LRG			17 14 37.8			17 15 15.3			
GUD	E		17 15 03.2	E		17 15 58.0			100

	HO	LAT	LONG	PRO	RMS	MAG	IO	
03-ABR	171347.1	42 24	02 07	6	0.7	3.2		PIRINEOS

CNS			03 06 26.0						
ACU	E		03 06 59.8	E		03 07 49.0	0.01	0.5	
ECHE	E		03 07 14.0						
ETER	E		03 07 21.5	E		03 08 26.0			
CVF			03 07 35.3			03 08 48.8			
LMR			03 07 36.1						
FRF			03 07 39.0			03 08 57.0			
EPF		*	03 07 42.2						

	HO	LAT	LONG	PRO	RMS	MAG	IO	
05-ABR	030556.2	36 40	04 29		0.7			AZAZGA.ARG

ASMO	I		18 46 15.5	E		18 46 18.5			
AFC	I		18 46 16.1						
CRT	I		18 46 17.5	E		18 46 21.0			
ACHM	I		18 46 20.0	E	*	18 46 24.0			
APHE	I		18 46 21.2	E	*	18 46 26.0			
ALOJ	I		18 46 22.0	E	*	18 46 28.0			
ATEJ	I		18 46 23.6	E		18 46 32.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBAN	I		18 46 24.3	E		18 46 33.4			137
MAL	I		18 46 30.3	I	*	18 46 46.8	0.60	0.5	50
ALM	E		18 46 32.5	I		18 46 47.3			45
ENIJ	E		18 46 33.8	E		18 46 50.3	0.06	0.2	95
EHOR	E		18 46 35.6	E		18 46 53.0	0.17	0.2	129
EVIA	E		18 46 36.4	E		18 46 55.0	0.15	0.2	163
EPRU	E	=	18 46 38.0	E	=	18 46 56.6	0.11	0.5	105
EALH	E	=	18 46 43.0	E	=	18 47 04.5	0.04	0.3	106
EJIM	E	=	18 46 46.8	E	=	18 47 10.3			
PAB	E	=	18 46 50.5	I	=	18 47 16.5			110
TOL				I		18 47 18.0	0.09	0.6	100
EVAL	E	=	18 46 58.5	E	=	18 47 28.6	0.06	0.3	114
GUD	E		18 47 00.7	E		18 47 37.2	0.04	0.4	164
EPLA	E		18 47 01.9						134
ETOR	E	=	18 47 20.8	E	=	18 48 01.8	0.04	0.4	153

05-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	184611.8	37 29	-03 36	10	0.5	3.5		CAMPOTEJAR.GR

ASMO	I		21 57 07.0	E		21 57 12.0			
ALOJ	I	=	21 57 09.2	E	=	21 57 15.0			
APHE	E	*	21 57 10.5						
AFC	E		21 57 11.0	E		21 57 17.4			36
ACHM	E		21 57 11.6						
EBAN	E		21 57 14.5	E		21 57 23.2	0.01	0.2	33
ATEJ	I		21 57 14.7						
EHOR	E		21 57 21.2	E		21 57 35.0			30
EVIA	E	=	21 57 32.0	E	=	21 57 53.3			45

05-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	215702.7	37 33	-04 00	5	0.4	2.5		CASTILLO LOCUBIN.J

ACU	I	03 59 23.1	E	03 59 30.0	0.07	0.2	64
ECHE	E	03 59 32.7	E	03 59 45.3	0.05	0.2	78
EROQ	E	03 59 44.8	E	04 00 08.4	0.01	0.2	70
EBAN	I	04 00 00.0	E	04 00 33.5	0.01	0.3	75
PAB	E	04 00 05.5					100
GUD	E	04 00 09.8					95
EPF		04 00 16.7		04 01 01.9			

07-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	035914.6	38 53	-00 04	21	0.6	3.0		OLIVA.V

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACU	E		18 05 21.5				0.23	1.0	65
EALH	E		18 05 26.6	E		18 05 35.0	0.03	0.5	70
ECHE	E		18 05 36.5	E		18 05 53.0	0.02	0.4	70
GUD	E		18 06 07.0						

07-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO
	180514.4	38 19	-00 50	14	0.2	2.7	ASPE.A

ACU	E		10 11 38.3				0.61	1.0	100
EALH	E		10 11 44.0	E		10 11 53.0	0.11	0.6	100
ENIJ	E		10 12 01.0	E		10 12 23.3	0.02	0.7	90
EBAN	E		10 12 07.6						90
AAPN	I		10 12 15.4						
ASMO	E	*	10 12 16.5						
APHE	E	*	10 12 16.5						
PAB	E		10 12 16.5	E	*	10 12 48.0			100
AFC	E	=	10 12 17.0	E	=	10 12 45.0			85
ALOJ	E		10 12 17.5						
ATEJ	E		10 12 18.0						
GUD	E		10 12 23.5				0.01	0.5	110
TOL	E	=	10 12 30.5	I	=	10 13 04.5	0.02	0.8	75

08-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO
	101131.4	38 24	-00 53	6	0.6	2.9	MONOVAR.A

EMEL	I		09 50 56.0						162
TAF	I		09 51 02.0	I	*	09 51 17.0			
MAL	I		09 51 16.5	I	*	09 51 42.6	0.78	0.5	170
APHE	I	=	09 51 16.5	I	=	09 51 40.0			
ATEJ	I		09 51 16.8	I	*	09 51 39.0			
IFR	I		09 51 18.5	I	*	09 51 48.0			170
SRQ	E		09 51 18.5						
ACHM	I		09 51 20.0	E	*	09 51 43.5			
EJIM	I		09 51 20.0	E		09 51 46.5	0.20	0.7	216
ALOJ	I		09 51 20.7	I	*	09 51 43.0			
ENIJ	I		09 51 20.9	E		09 51 48.2			217
OJEN	E	*	09 51 21.0						
AFC	E		09 51 22.7	E		09 51 48.0	0.04	0.3	196
CRT	E		09 51 23.0						
ALM	E	*	09 51 23.1	E	*	09 51 41.1			
PLAT	E	*	09 51 23.5						
MOMI	E		09 51 24.0						
AAPN	I		09 51 24.4	E		09 51 52.5			
ASMO	I		09 51 24.5	E	*	09 51 50.0			
CNIL	E		09 51 27.0						
EBAN	E		09 51 35.0	E		09 52 11.0	0.06	0.5	166
EHOR	E		09 51 35.4	E		09 52 10.5	0.03	0.5	110
RBA	I	*	09 51 37.0						
EALH	E		09 51 37.0						
EVAL	E		09 51 42.0	E		09 52 24.0	0.04	0.5	185

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AVE	I		09 51 43.0	I	*	09 52 28.0			170
ACU	E		09 51 51.0						
PAB	I		09 51 55.5	E	*	09 52 43.0			180
TOL	E	=	09 52 01.0	E	=	09 52 57.0	0.04	0.1	
TIO	I		09 52 03.0	I	*	09 53 24.0			
MOE	E		09 52 04.0			09 53 03.5			
EPLA	E		09 52 06.8						188
GUD	E		09 52 10.0	E		09 53 12.0	0.02	0.5	187
MTH	I		09 52 14.0			09 53 22.0			
ETOR	E		09 52 14.7	E		09 53 19.0	0.02	0.5	217
MTE	E		09 52 18.0	E		09 53 28.2			
EROQ	E		09 52 22.5						150
MVO	I		09 52 24.5	I		09 53 39.5			
PTO	I		09 52 32.4	I		09 53 51.4			
ERUA	E		09 52 41.3						238

09-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	095046.3	35 00	-03 28	10	0.7	4.0	V	MIDAR.MAC

EMEL	I		10 21 37.8	E		10 21 45.5			83
TAF	I		10 21 45.0	I	*	10 22 03.0			
EJIM	E		10 22 00.9	E		10 22 27.0			75
IFR	I		10 22 03.5	E	*	10 22 30.0			
AFC	E		10 22 04.8	E		10 22 29.2			
AVE	E		10 22 24.0	E		10 23 08.0			
TIO	E		10 22 43.5						

09-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	102128.5	35 05	-03 32	10	1.1	3.3		MIDAR.MAC

EMEL	I		14 04 48.6	E		14 04 55.8			100
TAF	I		14 04 55.0	I	*	14 05 14.0			
ENIJ	E	=	14 05 13.0	E	=	14 05 39.0			75
IFR	I		14 05 14.0	I	*	14 05 42.0			
EJIM	E		14 05 15.0						80
AFC	E		14 05 17.0	E		14 05 42.8			
AVE	E	*	14 05 47.0	I	*	14 06 33.0			

09-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	140440.4	35 00	-03 24	10	0.4	3.3		MIDAR.MAC

TIO	I		20 28 01.5						
AVE	I		20 28 11.5	I		20 28 46.5			
IFR	I		20 28 34.0	I		20 29 26.0			
GGC	I		20 28 54.0			20 30 01.3			
OJEN	E		20 28 55.5						
PLAT	E	*	20 28 56.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CTFE	I		20 28 58.9			20 30 07.2			
SRQ	E		20 28 59.0						
MOMI	E	*	20 28 59.0						
CNIL	E	*	20 28 59.0						
EJIM	I		20 28 59.7	E		20 30 09.0			334
EVAL	E		20 29 05.2	E		20 30 21.0	0.07	0.5	320
TAF	I		20 29 10.0	I	*	20 31 12.0			
EMEL	E	=	20 29 11.0	E	=	20 30 27.8			
MAL	I	*	20 29 11.7	I	*	20 30 24.0	0.13	0.6	180
MOE	E		20 29 13.0	I	*	20 30 29.5			
TBT	I		20 29 14.5			20 30 35.5			
ATEJ	I		20 29 14.7	E	*	20 30 32.0			
EHOR	E		20 29 15.2	E		20 30 39.8	0.03	0.5	206
APHE	I		20 29 15.4	E	*	20 30 36.0			
ALOJ	I		20 29 15.5	E		20 30 39.0			
ACHM	E		20 29 17.0						
AAPN	I		20 29 17.0	E	*	20 30 37.5			
MTH	E		20 29 18.4	I	*	20 30 37.0			
ASMO	I		20 29 20.5	E		20 30 47.0			
AFC	I		20 29 21.0	E		20 30 47.5			277
LIS	E	*	20 29 22.5	I	*	20 30 33.1			
CRT	E	*	20 29 24.5						
EBAN	I		20 29 27.5	E		20 31 00.0	0.06	0.6	250
ENIJ	E		20 29 28.7						
MTE	E		20 29 40.0	E	*	20 31 17.5			
EPLA	E		20 29 40.4						330
PAB	E		20 29 43.0	E	*	20 31 17.0			250
TOL	E		20 29 47.0	I	*	20 31 27.0	0.15	1.2	280
MVO	E		20 29 50.0	E	*	20 31 38.5			
GUD	I		20 29 54.8	E		20 31 47.0	0.02	0.6	370
ETOR	E		20 30 08.0				0.02	0.5	360

09-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	202725.2	31 15	-09 49	5	0.9	4.7	VI	MIRAMANE.MAC

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	I		22 40 34.4	E		22 40 38.5	0.13	0.2	144
MVO	I		22 40 53.0	I		22 41 11.0			
STS	E		22 40 54.0	E		22 41 11.4	0.05	0.2	88
PTO	I	=	22 41 04.7	I	=	22 41 29.4			
EPLA	E		22 41 08.0				0.02	0.2	111
MTE	I	=	22 41 09.0	I	=	22 41 35.7			
GUD	I		22 41 11.1				0.01	0.2	168
PAB	I		22 41 22.0	E		22 42 01.5			
ECRI	E	=	22 41 27.0	E	=	22 42 04.3	0.03	0.4	93
TOL	I	*	22 41 27.0	E	*	22 42 10.0	0.02	0.8	80
ETOR	I		22 41 27.7				0.01	0.3	148

10-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	224028.4	42 30	-06 44	3	0.4	3.2	III	BORRENES.LE

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EALH	E		12 33 04.0	E		12 33 12.0	0.03	0.4	31
ENIJ	E		12 33 15.0	E		12 33 31.0			30
EBAN	E		12 33 18.3	E		12 33 36.4	0.03	0.2	
AFC	E		12 33 20.2	E		12 33 40.0			55
ASMO	I		12 33 20.7	E		12 33 41.5			
APHE	I		12 33 24.0						
AAPN	I		12 33 24.5						
ALOJ	E		12 33 26.5						
ATEJ	E		12 33 27.0						
GUD	E	=	12 33 53.0	E	=	12 34 28.0	0.01	0.3	88

	HO	LAT	LONG	PRO	RMS	MAG	IO	
11-ABR	123254.0	38 11	-01 58	15	0.3	2.7		MORATALLA.MU

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACU	E		15 47 31.7	E		15 47 44.0	0.01	0.2	40
ECHE	E		15 47 32.0	E		15 47 45.3	0.01	0.2	37
EBAN	E		15 47 45.2				0.01	0.2	
ETOR	E	=	15 47 54.2	E	=	15 48 20.5			55
GUD	E	=	15 48 05.5	E	=	15 48 38.5	0.01	0.4	40

	HO	LAT	LONG	PRO	RMS	MAG	IO	
11-ABR	154714.8	38 44	-01 33	10	0.4	2.7		PETROLA.AB

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EHOR	I		12 13 17.3	E		12 13 23.3	0.04	0.2	50
EVAL	E		12 13 23.8	E		12 13 33.7	0.02	0.2	40
EPRU	E		12 13 26.2	E		12 13 37.5			35
AAPN	I		12 13 34.0	E		12 13 53.2			
ALOJ	I		12 13 35.0						
EBAN	I		12 13 37.8	E		12 14 00.0	0.01	0.2	
ASMO	E		12 13 38.0						
ATEJ	I		12 13 38.5	E		12 14 00.5			
AFC	E		12 13 40.8						
APHE	E		12 13 41.0						

	HO	LAT	LONG	PRO	RMS	MAG	IO	
14-ABR	121309.5	37 44	-05 48	2	0.5	2.8		EL PEDROSO.SE

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
VIH			02 54 20.2			02 54 23.7			
MLS			02 54 24.5			02 54 31.0			
AVN			02 54 27.4			02 54 36.9			
EPF			02 54 29.6		*	02 54 38.0			
MRB			02 54 35.8			02 54 49.7			
OLT			02 54 36.2			02 54 52.5			
SQD			02 54 37.8			02 54 53.8			
FBR			02 54 40.0			02 54 57.5			
ETER	E		02 54 41.3	E		02 54 59.3	0.03	0.2	37

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBR	E	=	02 54 47.0	E	=	02 55 09.5			
EROQ	E	=	02 54 47.4	E	=	02 55 09.5	0.02	0.2	58
CAF			02 54 56.5			02 55 26.9			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
18-ABR	025416.0	42 29	01 02	4	0.5	3.0		ESPOT.L

EPRU	I		11 34 06.3	E		11 34 9.0	0.13	0.2	65
EJIM	E		11 34 14.0				0.03	0.3	45
EHOR	E		11 34 20.7	E		11 34 33.0	0.02	0.2	61
MAL	E	*	11 34 22.7	I	*	11 34 37.3			35
EVAL	E		11 34 27.0	E		11 34 44.0	0.01	0.2	52
AFC	E		11 34 32.2	E		11 34 51.8			
EBAN	E		11 34 35.2	E		11 34 58.3	0.01	0.3	48

	HO	LAT	LONG	PRO	RMS	MAG	IO	
24-ABR	113404.6	36 57	-05 25		0.4	2.8		CORIPE.SE

STS	I		19 13 09.2	E		19 13 12.7			83
EZAM	E		19 13 20.0	E		19 13 33.0	0.06	0.2	63
ERUA	E		19 13 25.0	E		19 13 40.0	0.02	0.2	80
MVO	E	=	19 13 44.2	E	=	19 14 11.5			
MTE	E	*	19 14 01.0	I	*	19 14 29.0			
GUD	E	=	19 14 21.5	E	=	19 15 08.0			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
25-ABR	191302.7	43 09	-08 37	23	0.5	3.0		CARBALLO.C

EVAL	E		08 42 35.3	E		08 42 56.0	0.04	0.2	95
MOE	E	*	08 42 41.0	I	*	08 43 05.0			
MTH	E		08 42 41.8	I		08 43 07.2			
EHOR	E		08 42 51.6	E		08 43 25.0	0.01	0.2	110
AAPN	I		08 43 02.5	E	*	08 43 47.5			
ALOJ	I	*	08 43 03.7						
ATEJ	E	*	08 43 04.0	E	*	08 43 49.0			
EPLA	E		08 43 04.3	E		08 43 47.0			100
EBAN	E		08 43 08.0	E		08 43 54.3	0.01	0.2	132
ASMO	E	*	08 43 08.5						
APHE	I	*	08 43 08.5						
AFC	E		08 43 09.2						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
IFR	I		08 43 11.0	I		08 43 56.0			
GUD	E		08 43 22.7	E		08 44 19.8			155
EVIA	E		08 43 23.0	E		08 44 21.0			155
TIO	I		08 43 31.5	I		08 44 36.0			

26-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	084207.3	36 42	-08 41	30	0.7	3.5		SE. CABO S.VICENTE

ETOR	I		21 41 14.0	E		21 41 24.5	0.03	0.3	113
ECHE	I		21 41 14.0	E		21 41 24.5	0.05	0.2	60
EROQ	I		21 41 23.4	E		21 41 40.4	0.07	0.2	70
EBR	E		21 41 25.0	E		21 41 43.0			
AVN			21 41 33.8						
GUD	E		21 41 36.5	E		21 42 03.4	0.03	0.4	112
EVIA	E	=	21 41 37.0	E	=	21 42 01.5	0.05	0.4	95
PAB	E		21 41 40.0	E		21 42 10.0			
TOL	E	*	21 41 45.0						55
EPF			21 41 45.4		*	21 42 16.2	0.01	0.3	
EBAN	E		21 41 46.0	E		21 42 21.0	0.02	0.4	75
ECRI	E	=	21 41 47.0	E	=	21 42 17.0			
VIH		*	21 41 48.8						
ETER	E		21 41 55.7						
OLT		*	21 41 59.9						

26-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	214059.6	40 21	-01 14	5	0.4	3.1		TERUEL.TE

VIH			01 43 59.1			01 44 01.0				
MLS			01 44 04.2			01 44 8.0				
EPF			01 44 07.9			01 44 15.4				
OLT			01 44 20.8			01 44 40.1				
ETER	E		01 44 25.0	E		01 44 45.2				31
LPO		*	01 44 36.1		*	01 45 03.2				

27-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	014358.1	42 40	00 52		0.5	2.3		VIELLA.L

EBAN	I		15 21 28.0	E		15 21 36.5	0.03	0.2	70
EHOR	E		15 21 30.0	E		15 21 40.0	0.03	0.2	45
AAPN	I		15 21 36.2	E		15 21 52.0			
ASMO	I		15 21 38.0	E		15 21 55.0			
ALOJ	I		15 21 39.8	E	*	15 22 00.0			
AFC	I		15 21 42.0	E	*	15 22 01.5	0.01	0.2	45
ATEJ	E		15 21 43.5						
APHE	I		15 21 44.7	E	*	15 22 07.2			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVIA	I		15 21 45.0	E		15 22 06.6	0.02	0.2	75
EVAL	E	=	15 21 52.0	E	=	15 22 15.7			45
EPLA	E	=	15 21 54.5	E	=	15 22 21.0			53
GUD	E	=	15 22 00.0	E	=	15 22 28.7	0.01	0.2	67

27-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	152116.3	38 22	-04 34	5	0.5	2.8		VILLANUEVA CORDOBA.CO

ALM	I		22 37 37.6	I		22 37 41.0			60
ENIJ	I		22 37 41.2	E		22 37 46.0			93
APHE	I		22 37 51.5	I	*	22 38 02.0			
AFC	I		22 37 52.7	E		22 38 05.0	0.03	0.2	95
CRT	E		22 37 53.2						
ACHM	I		22 37 54.7	E		22 38 09.0			
ATEJ	I		22 37 55.6	E	*	22 38 08.5			
ASMO	I		22 37 56.1						
ALOJ	I		22 37 57.6						
EALH	E		22 37 59.6	E		22 38 18.4			65
AAPN	I	*	22 38 00.8	E	*	22 38 12.5			
EBAN	E	=	22 38 07.7	E	=	22 38 29.2	0.01	0.2	95
EVIA	E	=	22 38 11.2	E	=	22 38 34.5	0.06	0.4	95
GUD	E	=	22 38 51.5	E	=	22 39 37.5			120

27-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	223734.8	36 43	-02 32	11	0.5	3.0		GOLFO DE ALMERIA

AFC	I		02 58 31.2	E		02 58 37.6	0.01	0.2	30
ENIJ	E		02 58 33.8	E		02 58 43.7	0.01	0.2	25
APHE	I		02 58 34.2	E	*	02 58 37.5			
ASMO	I		02 58 34.7						
ACHM	E		02 58 36.0						
ATEJ	E		02 58 39.0						
ALOJ	E		02 58 39.1						
AAPN	E	*	02 58 42.5						
EBAN	E		02 58 43.2	E		02 58 59.3	0.01	0.2	29
EVIA	E		02 58 48.2	E		02 59 07.0			30

30-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	025822.6	37 12	-02 57	8	0.3	2.4		HUENEJA.GR

LIS				E		03 37 52.0			
MTH	E		03 37 15.5	I		03 37 52.5			
MOE	I		03 37 20.5	E		03 38 02.2			
EVAL	E		03 37 34.8	E		03 38 24.0	0.02	0.4	85
AVE				E		03 38 39.5			
MTE	I		03 37 43.5	I		03 38 40.5			
EHOR	E		03 37 51.0	E		03 38 54.0			100

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPLA	E		03 37 53.0	E		03 38 59.0			100
MVO	I		03 37 56.0	E	*	03 38 58.0			
EBAN	E		03 38 07.0	E		03 39 22.0			95
AFC	E		03 38 09.5						
IFR	I	*	03 38 12.5	I		03 39 13.5			
GUD	E		03 38 14.5	E		03 39 36.3			
EVIA	E		03 38 21.7	E		03 39 49.3			

30-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	033626.2	36 39	-12 25	30	0.8	3.4		ATLANTICO

IFR	I		03 39 56.0	I		03 40 11.0			
EJIM	I	=	03 40 08.0	E	=	03 40 30.0	0.08	0.7	165
AVE	I		03 40 09.5	I	*	03 40 36.0			
EMEL	E		03 40 11.8	E		03 40 38.0			145
MAL	I		03 40 12.5	I	*	03 40 48.0	0.16	1.0	100
ATEJ	I		03 40 15.2						
APHE	I		03 40 18.1						
ALOJ	I		03 40 19.0						
ACHM	I		03 40 19.7						
AAPN	I	*	03 40 22.7						
CRT	E	*	03 40 24.0						
EVAL	E		03 40 24.0	E		03 41 00.0	0.05	0.6	175
AFC	E		03 40 24.4						165
EHOR	E		03 40 25.0	E		03 41 01.5			150
ASMO	I	*	03 40 25.2						
EBAN	E		03 40 33.7	E		03 41 17.5	0.01	0.2	155
TIO	I		03 40 35.0	I		03 41 21.0			
MOE	E		03 40 41.8	I		03 41 32.8			
EVIA	E		03 40 46.5	E		03 41 38.0			190
LIS	E		03 40 51.0	E		03 41 47.0			
MTH	E		03 40 52.0	I		03 41 49.0			
TOL	E		03 40 55.0	E		03 41 55.0	0.05	1.1	160
EPLA	E		03 40 56.5	E		03 41 55.4			155
MTE	I		03 41 03.7	I		03 42 10.5			
COI	E		03 41 04.1						
GUD	E		03 41 05.2	E		03 42 12.5			175
MVO	I		03 41 12.2	E		03 42 25.5			
ETOR	E		03 41 14.0						

30-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	033935.6	34 37	-01 32	9	0.6	3.9		DEFALI.MAC

EMEL	I		12 09 45.2	E		12 09 53.0			57
APHE	I		12 09 57.5	E	*	12 10 16.0			
ATEJ	I		12 09 57.5	E	*	12 10 15.2			
ALOJ	I		12 10 01.2						
ACHM	I		12 10 02.0						
AFC	E		12 10 04.1	E		12 10 25.4			90

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ENIJ	E		12 10 04.3	E		12 10 27.8	0.02	0.3	90
ASMO	I	*	12 10 06.2						
AAPN	I	*	12 10 06.2						
MAL	I	*	12 10 07.2	I	*	12 10 18.0	0.11	0.5	50
IFR	I	=	12 10 11.0	I	=	12 10 35.0			

01-MAY *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

120933.3 35 19 -03 42 33 0.7 3.0 CABO QUILATES

LIS	I		13 46 53.3	I	*	13 47 35.1			
MOE	E	*	13 46 57.0	I		13 47 44.5			
EVAL	E		13 47 15.3	E		13 48 11.5	0.03	0.2	125
EZAM	E		13 47 27.0				0.02	0.2	125
AVE	E		13 47 29.0	I	*	13 48 29.5			
MVO	I		13 47 29.0	I		13 48 37.0			
EPLA	E		13 47 30.8	E		13 48 39.7	0.01	0.2	130
EHOR	E		13 47 31.0	E		13 48 42.0	0.01	0.2	145
STS	E		13 47 36.0	E		13 48 48.5	0.01	0.4	120
ERUA	E		13 47 39.5	E		13 48 56.0			130
AAPN	I		13 47 43.6						
ALOJ	I		13 47 44.4						
ATEJ	E		13 47 45.7						
IFR	I		13 47 47.0	I	*	13 49 03.0			
EBAN	E		13 47 47.0	E		13 49 09.0	0.01	0.2	150
ACHM	E		13 47 47.3						
ASMO	E		13 47 48.3						
APHE	E		13 47 50.0						
AFC	E		13 47 50.0	E		13 49 15.0			135
TIO	I	*	13 47 50.0	I	*	13 49 13.0			
GUD	E		13 47 52.0	E		13 49 17.5			180
EVIA	E		13 48 01.4						165
ETOR	E		13 48 13.0						165

01-MAY *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

124558.5 37 15 -13 11 8 0.6 3.8 ATLANTICO

ALJ	I	*	10 12 34.0						
PLAT	E		10 12 35.0						
EJIM	E		10 12 35.4	E		10 12 39.4			86
CNIL	I		10 12 35.9	E		10 12 40.0			
OJEN	I		10 12 37.2						
MAL	I	=	10 12 55.2	I	=	10 13 10.3	0.09	0.8	58
ATEJ	E		10 12 58.0						
ALOJ	E		10 12 59.0						
EHOR	E		10 12 59.4	E		10 13 19.5	0.02	0.4	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AAPN	E		10 13 00.5						
EVAL	E	=	10 13 01.0	E	=	10 13 20.7	0.02	0.4	73
APHE	E		10 13 02.2						
ACHM	E		10 13 02.5						
ASMO	E	*	10 13 07.6						

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	101231.7	36 20	-05 44	1	0.5	2.7		SIERRA MOMIA.CA

CRT	I		10 51 19.0	E		10 51 20.1			
AFC	I		10 51 19.6						65
ACHM	I		10 51 21.0	E	*	10 51 22.2			
ASMO	I		10 51 21.0	E	*	10 51 23.0			
APHE	I		10 51 21.6	E		10 51 25.0			
ALOJ	I		10 51 24.0	E		10 51 29.7			
ATEJ	I		10 51 24.5	I		10 51 30.5			
AAPN	I		10 51 24.9	E		10 51 31.2			
EBAN	I	=	10 51 37.7	E	=	10 51 51.0	0.03	0.2	45
EHOR	E	=	10 51 43.7	E	=	10 52 02.2	0.01	0.2	45
EVIA	E		10 51 45.0				0.04	0.3	65

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	105116.9	37 11	-03 37	12	0.2	3.0	III	GRANADA.GR

MOMI	I		14 10 08.8						
ALJ	E	*	14 10 12.0						
PLAT	I		14 10 12.0						
EJIM	I		14 10 12.6	E		14 10 16.3			95
CNIL	I		14 10 13.2	E	*	14 10 20.1			
OJEN	I		14 10 14.1	E	*	14 10 19.5			
MAL	E		14 10 30.8	I	*	14 10 47.5	0.20	1.0	58
ATEJ	E		14 10 35.5						
ALOJ	E		14 10 36.5						
EHOR	E		14 10 36.8				0.02	0.4	75
EVAL	E	=	14 10 37.5	E	=	14 10 57.7	0.03	0.6	80
AAPN	E		14 10 38.0						
APHE	E		14 10 39.0						
ACHM	E	*	14 10 40.5						
ASMO	E	*	14 10 45.0						
EPLA	E		14 11 05.8						95

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	141008.8	36 19	-05 45	1	0.6	2.8		SIERRA MOMIA.CA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MOMI	I		14 38 54.0						
PLAT	I		14 38 57.9						
EJIM	I		14 38 58.0	E		14 39 01.4			133
CNIL	I		14 38 58.8	E	*	14 39 06.5			
OJEN	I		14 38 59.1	E		14 39 04.9			
MAL	I		14 39 16.0	I		14 39 29.0	0.29	1.0	64
EVAL	E		14 39 19.3	E		14 39 39.0	0.03	0.4	105
ATEJ	I		14 39 21.0						
EHOR	E		14 39 21.2	E		14 39 41.3	0.04	0.4	110
ALOJ	I		14 39 21.6						
AAPN	I	*	14 39 24.0						
APHE	I		14 39 25.0						
ACHM	E	*	14 39 26.0						
AFC	E		14 39 27.3						
ASMO	E	*	14 39 30.5						
EBAN	E		14 39 34.0						
EPLA	I		14 39 51.0	E		14 40 34.0			110
GUD	E		14 40 01.0						

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	143854.0	36 22	-05 45	1	0.7	3.0		SIERRA MOMIA.CA

MOMI	E		14 48 04.0						
PLAT	E		14 48 08.0						
ALJ	E	*	14 48 08.0						
EJIM	E		14 48 08.2	E		14 48 13.0			90
CNIL	E		14 48 09.0	E		14 48 14.5			
OJEN	E		14 48 09.9	E	*	14 48 15.5			
APHE	E	*	14 48 30.5						
ATEJ	E		14 48 31.0						
EVAL	E		14 48 32.0	E		14 48 50.0	0.02	0.5	75
AAPN	E		14 48 32.5						
EHOR	E		14 48 32.5	E		14 48 52.0	0.01	0.4	75
ALOJ	E	*	14 48 34.3						
EPLA	E		14 49 01.5						90

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	144804.6	36 19	-05 43	2	0.7	2.7		SIERRA MOMIA.CA

MOMI	I		14 56 48.1						
ALJ	I	*	14 56 51.0						
PLAT	I		14 56 51.5	E	*	14 56 56.4			
EJIM	E		14 56 51.8	E		14 56 56.0			65

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CNIL	I		14 56 52.9	E		14 56 57.3			
OJEN	I		14 56 53.9						
EHOR	E		14 57 16.4						50

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	145648.3	36 19	-05 43	1	0.6	2.3		SIERRA MOMIA.CA

MOMI	I		16 07 07.8						
ALJ	I	*	16 07 11.0						
PLAT	I		16 07 11.7						
EJIM	I		16 07 12.3	E		16 07 15.8			105
CNIL	I		16 07 12.6	E		16 07 17.8			
OJEN	I		16 07 13.9	E		16 07 18.9			
ATEJ	E		16 07 35.0						
EVAL	E		16 07 35.4	E		16 07 55.3	0.02	0.5	80
ALOJ	E		16 07 36.2						
EHOR	E		16 07 37.0	E		16 07 56.5	0.02	0.4	95
AAPN	E	*	16 07 39.5						
APHE	E		16 07 40.0						
ASMO	E	*	16 07 44.2						

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	160708.8	36 20	-05 43	1	0.8	2.8		SIERRA MOMIA.CA

MOMI	I		17 15 50.9						
ALJ	I	*	17 15 54.0						
PLAT	I		17 15 54.6						
EJIM	E		17 15 55.0	E		17 15 59.0			45
OJEN	I		17 15 55.0						
CNIL	I		17 15 55.9						

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	171550.7	36 18	-05 43	1	0.3	2.3		SIERRA MOMIA.CA

MOMI	I		18 13 05.5						
ALJ	I	*	18 13 09.0						
PLAT	I		18 13 09.3						
EJIM	E		18 13 09.8	E		18 13 13.7			45
CNIL	I		18 13 10.3						
OJEN	E		18 13 11.2						

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	181305.5	36 20	-05 45	1	0.3	2.1		SIERRA MOMIA.CA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MOMI	I		19 03 49.0						
ALJ	I	*	19 03 52.5						
PLAT	I		19 03 53.0						
EJIM	E		19 03 53.2	E		19 03 56.7			40
CNIL	I		19 03 53.6						
OJEN	I	*	19 03 56.0						

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	190348.9	36 20	-05 44	1	0.1	2.1		SIERRA MOMIA.CA

MOMI	I		19 39 50.0						
ALJ	I	*	19 39 53.0						
PLAT	I		19 39 53.2						
EJIM	I		19 39 53.7						105
OJEN	I		19 39 54.6						
CNIL	I		19 39 54.9						
MAL	I		19 40 11.0	I	*	19 40 30.6	0.28	0.8	58
EVAL	E		19 40 16.0	E		19 40 35.0	0.06	0.6	115
ATEJ	I		19 40 16.0						
ALOJ	I		19 40 17.0						
EHOR	E		19 40 17.0	E		19 40 36.5	0.04	0.4	120
AAPN	I		19 40 18.0						
APHE	I		19 40 20.0						
ACHM	I	*	19 40 21.5						
ASMO	E	*	19 40 25.5						
MOE	E		19 40 36.0	E		19 41 13.5			
EVIA	E		19 40 43.7				0.03	0.6	160
EPLA	I		19 40 46.9	E		19 41 30.4			120
GUD	E		19 40 57.3	E		19 41 48.5			155
PAB	E	*	19 41 03.0	E	*	19 41 31.0			110
MVO	E		19 41 03.0						
TOL	E	*	19 41 05.0	E	*	19 41 54.0	0.02	0.8	90

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	193949.6	36 19	-05 45	3	0.4	3.1		SIERRA MOMIA.CA

MOMI	I		19 43 29.0						
ALJ	I	*	19 43 32.0						
PLAT	I		19 43 32.8						
EJIM	E		19 43 33.3	E		19 43 37.3			70
CNIL	I		19 43 33.4						
OJEN	I		19 43 34.9						
EHOR	E		19 43 57.2						50

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	194329.1	36 20	-05 45	1	0.5	2.6		SIERRA MOMIA.CA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MOMI	I		20 02 27.8						
ALJ	I	*	20 02 31.0						
PLAT	I		20 02 31.3	E		20 02 35.2			
EJIM	E		20 02 31.8	E		20 02 36.0			70
CNIL	I		20 02 32.2	E		20 02 37.6			
OJEN	I		20 02 32.5	E		20 02 37.7			
EHOR	E		20 02 56.3						52

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	200228.2	36 19	-05 43	1	0.7	2.5		SIERRA MOMIA.CA

MOMI	I		13 15 00.5						
ALJ	I	*	13 15 03.0						
PLAT	I		13 15 03.6	E		13 15 7.2			
CNIL	I		13 15 04.0						
EJIM	I		13 15 04.0	E		13 15 8.0			90
OJEN	I		13 15 04.8	E	*	13 15 9.9			
EVAL	E		13 15 28.0	E		13 15 47.0	0.02	0.5	
EHOR	E		13 15 28.2				0.01	0.4	71
MAL	E	*	13 15 29.0	I	*	13 15 42.0	0.12	1.0	29

04-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	131500.3	36 19	-05 43	1	0.6	2.6		SIERRA MOMIA.CA

LIS	E		15 36 31.0	E		15 37 16.0			
MTH	E		15 36 32.2	I		15 37 16.2			
MOE	I		15 36 38.5	I		15 37 27.5			
PTO	E	=	15 36 54.0	E	=	15 37 57.0			
EVAL	E		15 36 54.0	E		15 37 53.5	0.03	0.3	135
MTE	I		15 36 58.5	I	*	15 38 04.0			
AVE	I		15 37 03.0	I		15 38 11.0			
EZAM	E		15 37 05.3				0.03	0.3	120
MVO	I		15 37 08.5	E		15 38 21.0			
EHOR	E		15 37 10.0	E		15 38 22.5	0.01	0.2	175
EPLA	E		15 37 10.3	E		15 38 21.2	0.01	0.2	150
STS	I		15 37 15.6				0.01	0.3	125
ERUA	E		15 37 19.5	E		15 38 39.0	0.01	0.3	120
AAPN	E		15 37 22.7						
ALOJ	E		15 37 24.0						
ATEJ	E		15 37 25.0						
IFR	I		15 37 26.0	I	*	15 38 43.5			
EBAN	E		15 37 26.3	E		15 38 51.8	0.01	0.2	200
TIO	I		15 37 27.0	I	*	15 38 51.0			
ASMO	E		15 37 27.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
APHE	E		15 37 28.5						
GUD	E		15 37 31.5	E		15 38 59.5			200
EVIA	E		15 37 41.6	E		15 39 17.5			200
ETOR	E		15 37 53.3						200

04-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	153533.4	36 56	-13 40	32	0.6	3.9		ATLANTICO

EMEL	E		20 49 09.5	E		20 49 22.3			60
IFR	I		20 49 15.3	I		20 49 36.0			
MAL	E		20 49 20.0	I	*	20 49 42.8	0.17	0.3	60
EJIM	E		20 49 22.4	E		20 49 46.0			65
AFC	E		20 49 29.0						90
ENIJ	E		20 49 30.6						80
EHOR	E		20 49 39.0	E		20 50 15.0			75
EBAN	E		20 49 41.0						85
AVE	I	=	20 49 48.0	I	=	20 50 25.0			
TIO	I		20 49 59.5						
GUD	E		20 50 14.5						

04-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	204849.1	34 49	-04 06	5	0.6	3.2		MESITA.MAC

EZAM	I		05 39 55.2	E		05 39 57.7			43
STS	I		05 40 02.5	E		05 40 10.5	0.07	0.2	40
ERUA	E		05 40 09.0	E		05 40 22.3	0.02	0.3	50
GUD	E		05 40 46.2						

05-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	053951.0	42 16	-08 29	10	0.2	2.8		MONDARIZ.PO

ECRI	E		05 55 00.2	E		05 55 7.8	0.06	0.3	115
JAU			05 55 08.3	E		05 55 22.8			
EPF			05 55 17.8		*	05 55 39.0			
ETOR	E		05 55 21.7	E		05 55 47.3	0.02	0.3	145
AVN			05 55 24.0						
GUD	E		05 55 33.2	E		05 56 06.6	0.01	0.3	130
LFF			05 55 35.2			05 56 07.2	0.01	0.4	
LPO			05 55 36.0			05 56 08.8	0.01	0.4	
EROQ	E	=	05 55 37.2	E	=	05 56 07.0	0.02	0.3	110

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBR	E	*	05 55 42.0	E	*	05 56 08.0			
RJF			05 55 43.6			05 56 22.4	0.01	0.4	
OLT		*	05 55 47.6						
EVIA	E		05 55 53.0				0.02	0.5	130

05-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	055449.8	42 46	-01 45	5	0.6	3.0		GAZOLAZ.NA

MTH	I		01 45 07.7	I		01 45 13.5			
LIS	I		01 45 08.5	I		01 45 14.7			
MOE	I		01 45 19.0	I		01 45 34.2			
EVAL	E		01 45 43.0	E		01 46 12.4	0.02	0.4	80
MTE	E	*	01 45 45.0	I	*	01 46 16.5			
MVO	E		01 45 48.4	E		01 46 25.0			
EPLA	E		01 45 49.2	E		01 46 24.7			85
EHOR	E		01 45 56.5	E		01 46 37.0			100

06-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	014500.9	38 48	-09 40	8	0.6	3.1		W. LISBOA

SRQ	E	*	19 59 54.6						
OJEN	E	*	19 59 56.2						
MOMI	E	*	19 59 58.2						
MAL	E		19 59 58.3	I		20 00 14.5			
PLAT	E	*	19 59 58.7						
EMEL	E		20 00 00.2	E		20 00 17.0			
ATEJ	I		20 00 00.5	E	*	20 00 16.7			
CNIL	E	*	20 00 01.7						
APHE	I		20 00 03.0	E		20 00 23.2			
ALOJ	I		20 00 04.0	E	*	20 00 20.2			
IFR	I		20 00 07.5	I		20 00 28.5			
AAPN	I	*	20 00 08.5						
AFC	E		20 00 09.2						60
ACHM	I	*	20 00 09.5						
ASMO	I	*	20 00 10.7						
EHOR	E		20 00 13.0	E		20 00 40.8			60
ENIJ	E		20 00 15.0	E		20 00 43.8			
EVAL	I		20 00 16.5	E		20 00 46.0	0.01	0.2	60
EBAN	I		20 00 19.0	E		20 00 49.5	0.01	0.2	65
FIG	E		20 00 22.0	I		20 00 54.5			
EVIA	I		20 00 31.5	E		20 01 11.0			75
EPLA	I		20 00 44.7	E		20 01 35.5			75
TIO	I		20 00 48.5	I		20 01 42.0			

08-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	195936.6	35 26	-04 45	33	0.7	3.2		ALBORAN

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EMEL	I		07 59 57.3	E		08 00 06.0			60
TAF	I		08 00 05.5	I	*	08 00 29.0			
EJIM	E		08 00 18.0	E		08 00 41.0			
IFR	I		08 00 19.0	I	*	08 00 48.0			
TIO	E		08 01 03.0	E	*	08 02 04.0			

11-MAY *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

075946.4 35 09 -03 40 13 0.2 2.9 S. CABO QUILATES.MAC

ASMO	I		17 38 38.5	E		17 38 43.5			
AAPN	I		17 38 38.7	E		17 38 42.5			
AFC	I		17 38 40.4	E		17 38 46.7	0.04	0.1	40
ALOJ	I		17 38 40.5	E	*	17 38 45.0			
ACHM	I		17 38 41.0	E		17 38 47.0			
APHE	I		17 38 42.7	E		17 38 51.5			
ATEJ	I		17 38 44.0	E		17 38 52.5			
EBAN	I		17 38 44.5	E		17 38 53.8	0.06	0.1	60

12-MAY *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

173832.2 37 30 -03 57 29 0.4 2.5 CASTILLO LOCUBIN.J

ENIJ	I		22 00 07.6	E		22 00 12.2			110
ALM	I		22 00 10.8	I		22 00 17.7			45
EALH	E		22 00 13.7	E		22 00 24.0	0.08	0.3	100
AFC	I		22 00 21.5	E		22 00 38.3	0.03	0.2	110
CRT	E		22 00 22.5						
APHE	I		22 00 24.1	E	*	22 00 47.5			
ASMO	I		22 00 24.5	E	*	22 00 45.5			
EVIA	I		22 00 25.2	E		22 00 43.2			145
ACHM	I		22 00 26.2	E	*	22 00 50.0			
EBAN	I		22 00 28.4	E		22 00 49.7	0.06	0.1	115
ATEJ	I		22 00 28.6	E	*	22 00 56.0			
AAPN	I		22 00 29.7	E		22 00 50.0			
ALOJ	I		22 00 30.0	E	*	22 00 55.5			
MAL	E	*	22 00 41.0	I	*	22 01 04.0	0.06	0.8	65
PAB	E		22 00 45.5	E	*	22 01 16.5			100
TOL	E		22 00 47.5	E	*	22 01 20.0	0.02	0.6	90
GUD	E		22 00 57.8				0.01	0.3	140
ETOR	E	=	22 01 08.7	E	=	22 01 49.5	0.01	0.3	140

16-MAY *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

220000.5 37 17 -02 01 9 0.5 3.1 III ZURGENA.AL

FIG	E		19 19 28.4	I		19 19 38.8			
EVAL	E		19 19 41.0	E		19 20 02.0	0.02	0.2	55
MTH	E		19 19 45.8	E		19 20 11.0			
AAPN	I		19 20 08.2	E	*	19 20 52.5			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALOJ	I	=	19 20 09.2	E	=	19 20 51.5			
EPLA	E		19 20 09.8	E		19 20 52.7	0.01	0.2	80
ATEJ	I		19 20 10.0	E		19 20 52.0			
ASMO	E		19 20 13.5						
EBAN	I		19 20 14.0	E		19 21 00.4	0.02	0.2	55
APHE	I	*	19 20 14.5						
IFR	I		19 20 16.5	I	*	19 21 02.0			
EVIA	E		19 20 29.0	E		19 21 26.0			64
GUD	E		19 20 29.7	E		19 21 26.2			120
TIO	I		19 20 38.0	I		19 21 41.0			

17-MAY

HO	LAT	LONG	PRO	RMS	MAG	IO	
191912.5	36 44	-08 48	41	0.7	3.3		S. CABO S.VICENTE

MRB			01 26 50.8						
AVN			01 26 51.3			01 27 00.6			
OLT			01 26 52.0						
VIH			01 26 53.7			01 27 03.8			
FBR		*	01 26 56.3			01 27 06.5			
ETER	E		01 26 57.5	E		01 27 10.5	0.01	0.2	26
EPF			01 27 02.2			01 27 19.0	0.01	0.3	

18-MAY

HO	LAT	LONG	PRO	RMS	MAG	IO	
012639.7	42 09	01 33	8	0.2	2.6		S.LORENZO MORUNYS.L

FIG	I		11 54 20.1	I		11 54 26.5			
FAR	I		11 54 21.7	I		11 54 28.7			
EVAL	E		11 54 28.3	E		11 54 39.0	0.15	0.2	90
MOE	E	*	11 54 45.0	I	*	11 55 08.0			
MTH						11 55 17.0			
EBAN	E		11 54 59.0	E		11 55 35.0	0.01	0.2	90
MTE						11 55 42.0			
IFR	I		11 55 09.5	I	*	11 55 48.0			
MVO	E		11 55 14.0	E		11 56 01.0			
TIO	I		11 55 37.5	I	*	11 56 39.5			

19-MAY

HO	LAT	LONG	PRO	RMS	MAG	IO	
115412.5	36 55	-07 25	29	0.5	3.1		GOLFO DE CADIZ

ECHE	I		21 16 31.5						100
ACU	I		21 16 51.0	E		21 17 07.0	0.08	0.5	70
EVIA	I		21 16 55.9	E		21 17 15.0	0.14	0.4	130
ETOR	E	=	21 16 59.5	E	=	21 17 19.3	0.07	0.5	
EROQ	E		21 17 00.7	E		21 17 20.8	0.05	0.2	105
EBR	E	=	21 17 02.0	E	=	21 17 24.0			
EBAN	E		21 17 11.0	E		21 17 42.0	0.02	0.2	110
PAB	I		21 17 11.5	E	*	21 17 40.0			135

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AVN			21 17 14.5						
GUD	E	=	21 17 21.0	E	=	21 17 53.0	0.02	0.4	135
AAPN	E		21 17 22.5	E	*	21 18 15.5			
ALOJ	E	*	21 17 25.5						
APHE	E	*	21 17 26.0						
ASMO	E	*	21 17 26.7	E	*	21 18 07.0			
ACHM	E	*	21 17 29.0	E	*	21 18 18.0			
ATEJ	E	*	21 17 29.5						
EPLA	E		21 17 30.0	E		21 18 15.0			125

19-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	211630.5	39 32	-01 03	2	0.5	3.2	III	REQUENA.V

ECRI	E	02 19 27.7	E	02 19 36.0	0.04	0.2	85
EPF		02 19 44.6		02 20 03.6			
VIH		02 19 49.6	*	02 20 14.6			
ETOR	E	02 19 50.0	E	02 20 14.0	0.02	0.4	120
AVN		02 19 51.5					
GUD	E	02 20 01.0	E	02 20 35.5			90
LFF		02 20 01.9		02 20 36.0	0.01	0.4	
LPO		02 20 02.2		02 20 37.0	0.01	0.4	
RJF		02 20 09.4		02 20 49.6	0.01	0.4	

20-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	021917.3	42 47	-01 46	5	0.7	2.9		GAZOLAZ.NA

ALM	I	10 34 18.7	I	10 34 25.8			53
EALH	E	10 34 20.7	E	10 34 31.0	0.04	0.2	95
AFC	I	10 34 29.8	E	10 34 47.5			110
APHE	I	10 34 32.5	E	10 34 50.5			
ASMO	I	10 34 32.6	E	* 10 34 54.0			
ACHM	E	10 34 33.2					
EVIA	E	10 34 33.8	E	10 34 52.0	0.12	0.3	120
ACU	E	10 34 36.7					65
ATEJ	I	10 34 37.0	E	10 34 56.5			
EBAN	E	10 34 37.2	E	10 34 58.5	0.05	0.2	100
ALOJ	I	10 34 38.1	E	* 10 35 07.0			
AAPN	I	10 34 38.2	E	* 10 35 04.0			
MAL	E	* 10 34 45.0	I	* 10 35 14.0	0.06	0.8	58
PAB	E	= 10 35 05.0	I	= 10 35 39.0			
GUD	E	10 35 04.0			0.01	0.4	115

20-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	103407.8	37 15	-01 56	10	0.7	3.2	III	ANTAS.AL

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBAN	I		14 50 16.7	E		14 50 25.3	0.02	0.1	40
AAPN	I		14 50 25.0	E		14 50 40.7			
ASMO	I		14 50 27.5	E		14 50 44.5			
ALOJ	I		14 50 29.0	E		14 50 47.5			
AFC	E		14 50 30.5	E		14 50 49.0			35
ATEJ	E		14 50 33.0						
APHE	I		14 50 33.2	E	*	14 50 55.5			
EVIA	I		14 50 33.7	E		14 50 55.0	0.01	0.2	45
GUD	E	=	14 50 48.5	E	=	14 51 16.6			

20-MAY *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

145005.3 38 23 -04 33 0.4 2.9 VILLANUEVA CORDOBA.CO

MTH	I		14 00 07.2			14 00 9.0			
LIS	I		14 00 10.9	I		14 00 15.0			
MOE	I		14 00 18.7			14 00 29.5			
COI		=	14 00 32.3	E	=	14 00 48.3			
MTE			14 00 34.8		*	14 01 01.5			
FIG			14 00 40.0	I		14 01 06.5			
EVAL	E		14 00 42.5	E		14 01 10.7	0.24	0.3	250
PTO	E	=	14 00 43.0	I	=	14 01 09.3			
EPLA	E		14 00 44.5	E		14 01 14.2			275
MVO	I		14 00 45.0	I		14 01 16.0			
FAR		*	14 00 45.5			14 01 07.5			
EZAM	E		14 00 52.8	E		14 01 28.3			
EHOR	E		14 00 54.3	E		14 01 31.4	0.13	0.2	235
ERUA	I		14 01 00.0	E		14 01 41.7			
PAB	I		14 01 01.0	I		14 01 43.5			250
EPRU	E		14 01 01.0				0.11	0.6	260
STS	I		14 01 03.3	E		14 01 45.0			
EJIF	E		14 01 04.0						215
TOL	E		14 01 05.0	I		14 01 50.0	0.17	0.8	250
GUD	E		14 01 06.4	E		14 01 53.0	0.09	0.5	280
EBAN	E		14 01 07.8	E		14 01 54.4	0.05	0.2	230
AAPN	I		14 01 08.5	I	*	14 02 22.0			
ALOJ	I		14 01 10.3	E	*	14 02 26.0			
MAL	I		14 01 12.0	I	*	14 02 26.5	0.23	0.8	160
ATEJ	I		14 01 13.0	E	*	14 02 30.0			
ASMO	I		14 01 14.0	I	*	14 02 31.5			
AFC	E		14 01 15.8	E		14 02 08.0			245
ACHM	E	*	14 01 16.0						
APHE	I		14 01 16.5	E	*	14 02 32.0			
EVIA	E		14 01 20.8	E		14 02 16.7	0.29	0.7	275

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ETOR	E		14 01 28.6				0.04	0.5	290
AVE	I		14 01 32.0	I	*	14 02 33.0			
IFR	I		14 01 38.0	I	*	14 02 43.5			
TIO	I		14 02 02.5	I	*	14 03 26.0			

22-MAY HO LAT LONG PRO RMS MAG IO
140004.1 39 04 -09 06 7 0.7 3.7 III-IV SOBRAL MTE.AGRACO.PORT

EPF			10 39 56.0						
JAU			10 39 59.9	E		10 40 05.7			
ATE			10 40 04.4	E		10 40 13.0			
MLS			10 40 05.6			10 40 14.2			
AVN			10 40 16.1			10 40 33.0			
OLT		*	10 40 28.0						
CAF			10 40 30.2						
ECRI	E	=	10 40 31.2	E	=	10 40 56.5	0.01	0.2	70
ETER	E	=	10 40 34.5	E	=	10 41 01.0			70
ETOR	E		10 40 37.7	E		10 41 11.8	0.01	0.3	95

23-MAY HO LAT LONG PRO RMS MAG IO
103952.8 43 06 00 10 1 0.3 3.0 BAGNERES BIGORRE.FR

EBAN	I		04 42 29.4						240
ASMO	I		04 42 41.7	E		04 42 55.0			
AFC	I		04 42 42.6	E		04 42 58.2			205
AAPN	I		04 42 43.9	E		04 42 59.0			
CRT	I		04 42 44.2	E		04 42 59.5			
PAB	I		04 42 45.5						200
ACHM	I		04 42 46.2	E	*	04 43 01.0			
ALOJ	I		04 42 46.5	E		04 43 03.5			
APHE	I		04 42 47.5	E		04 43 05.0			
EHOR	E		04 42 48.5	E		04 43 08.6	0.31	0.2	215
ATEJ	I		04 42 48.7	E	*	04 43 11.0			
EALH	E		04 42 50.3	E		04 43 10.0	0.12	0.2	150
TOL	I	=	04 42 51.5	I	=	04 43 12.0	0.74	0.8	200
ENIJ	E		04 42 51.5	E		04 43 12.6	0.08	0.2	175
ALM	E	*	04 42 52.6	E	*	04 43 15.2			80
MAL	I	*	04 42 55.2	E		04 43 16.5	0.87	1.0	67
EPRU	E		04 42 55.9						175
ECHE	E		04 42 58.2	E		04 43 24.0	0.04	0.2	145
GUD	E		04 42 58.7	E		04 43 25.7			290
ACU	E		04 42 59.0	E		04 43 27.0	0.07	0.2	155
ETOR	I		04 43 03.4	E		04 43 34.0	0.15	0.2	280
EPLA	E		04 43 03.7	E		04 43 35.0	0.07	0.2	235
EVAL	I		04 43 04.8	E		04 43 37.5	0.09	0.2	255
MTH	E	*	04 43 19.5						
EROQ	E		04 43 19.7	E		04 44 03.7	0.02	0.2	150
MVO	E		04 43 22.0	I	*	04 44 24.5			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTE	E	*	04 43 32.5	I	*	04 44 18.5			
MOE	E	*	04 43 34.0	I	*	04 44 21.5			
FIG	E	*	04 43 34.5	I	*	04 44 22.5			
EBR	E	*	04 43 35.0	E	*	04 44 22.5			

24-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	044222.2	38 24	-03 24	12	0.5	3.8	III	ALDEAQUEMADA.J

EBAN	I		15 13 06.0	E		15 13 14.5	0.02	0.1	45
EHOR	E		15 13 08.0	E		15 13 18.0	0.02	0.2	45
AAPN	I		15 13 14.2	I		15 13 29.5			
ASMO	I		15 13 17.0	I		15 13 34.0			
ALOJ	I		15 13 18.0	I		15 13 37.0			
AFC	E		15 13 19.7	E		15 13 37.5			45
ATEJ	I		15 13 21.5						
APHE	I		15 13 22.7	E	*	15 13 45.0			
EPLA	E	=	15 13 32.5	E	=	15 13 59.0			50

24-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	151254.3	38 22	-04 34		0.6	2.8		VILLANUEVA CORDOBA.CO

MAL	I		10 44 20.8	I		10 44 30.5	0.28	0.5	45
ATEJ	I		10 44 23.3	I		10 44 34.5			
SRQ	I		10 44 23.7	E		10 44 35.0			
EJIF	I		10 44 24.2	E		10 44 35.7	0.10	0.2	125
EPRU	I		10 44 25.0	E		10 44 37.8	0.07	0.2	130
OJEN	E		10 44 25.2						
ALOJ	I		10 44 25.4	E	*	10 44 35.0			
APHE	I		10 44 25.5	E	*	10 44 35.5			
MOMI	I		10 44 26.5						
ACHM	I		10 44 26.6	E	*	10 44 38.0			
AAPN	I		10 44 27.0	I	*	10 44 38.5			
PLAT	I		10 44 27.5						
ALJ	I	*	10 44 28.0						
GIBL	I		10 44 28.0						
CRT	E		10 44 29.0						
ASMO	I		10 44 29.5	E		10 44 43.0			
CNIL	I		10 44 29.5						
AFC	I		10 44 30.0	E		10 44 45.0	0.03	0.2	105
EHOR	I		10 44 32.7	E		10 44 51.0	0.27	0.2	145
EMEL	I		10 44 34.3	E		10 44 56.0			60
EBAN	I		10 44 37.7	E		10 44 59.3			145
ENIJ	E		10 44 38.8	E		10 45 03.8	0.02	0.2	90
EVAL	I		10 44 39.9	E		10 45 04.0	0.09	0.2	120
ALM	E	*	10 44 40.5	E		10 44 56.3			
FIG	I		10 44 47.0	I		10 45 16.7			
IFR	I		10 44 49.5	I	*	10 45 19.5			
PAB	I		10 44 53.6	I		10 45 28.5			100

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AVE	E		10 45 02.5	I	*	10 45 43.0			
EPLA	E		10 45 04.0	E		10 45 45.0	0.02	0.2	125
ECHE	E		10 45 09.0						
GUD	E		10 45 09.3	E		10 45 55.0	0.01	0.2	165
MTH	I		10 45 11.0	I		10 45 58.0			
MTE	E		10 45 15.0	I		10 46 03.5			
ETOR	I		10 45 17.2	E		10 46 08.5	0.01	0.2	150
MVO	I		10 45 20.9	I		10 46 16.4			
TIO	I		10 45 30.6	I	*	10 46 32.5			

30-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	104406.4	36 25	-04 36	100	0.9	3.5		S. FUENGIROLA

EPRU	I		15 49 57.0				0.21	0.7	90
EJIF	I		15 50 03.0	E		15 50 10.0	0.15	0.6	95
SRQ	E		15 50 06.0						
MOMI	E		15 50 08.0						
OJEN	E		15 50 08.7						
GIBL	I	*	15 50 12.0						
EHOR	E		15 50 12.7				0.02	0.4	70
ALOJ	E	*	15 50 16.0						
ATEJ	I	*	15 50 16.5						
AAPN	I	*	15 50 16.7	E	*	15 50 35.0			
EVAL	E		15 50 19.5	E		15 50 37.0			65
ACHM	E	*	15 50 20.0						
APHE	I	*	15 50 21.0						
ASMO	E	*	15 50 22.5						

31-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
	154954.9	36 52	-05 14	9	0.5	2.7		SETENIL.CA

OLT			17 30 52.5						
SQD			17 30 55.5						
VIH			17 30 55.5						
MLS			17 30 56.3			17 31 07.1			
FONT			17 30 57.0						
ETER	E		17 30 58.0	E		17 31 09.0	0.01	0.2	30
AVN			17 30 59.0						
EPF			17 31 03.6		*	17 31 15.2			
CAF			17 31 24.0						

02-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	173042.4	42 22	01 43	6	0.5	2.6		MONTELLA.L

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ATEJ	I		06 15 39.0	E		06 15 51.5			
APHE	I		06 15 41.0	E	*	06 15 53.5			
ALOJ	I		06 15 41.5	E	*	06 15 56.5			
ACHM	E		06 15 42.7						
AAPN	I		06 15 43.5	E	*	06 15 59.5			
ASMO	I		06 15 45.5	E	*	06 16 03.0			
AFC	E		06 15 45.8	E		06 16 01.3			34
EHOR	E		06 15 49.3	E		06 16 08.4	0.04	0.1	40
EBAN	I		06 15 53.8	E		06 16 16.6	0.01	0.1	45
EVAL	E		06 15 56.2	E		06 16 21.5	0.01	0.2	33

04-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	061523.6	36 23	-04 36	90	0.5	3.1		S. FUENGIROLA

EMEL	I		23 53 25.0	I		23 53 40.0			70
IFR	I		23 53 30.0	I	*	23 53 51.0			
ATEJ	I	*	23 53 42.2						
APHE	I		23 53 44.0						
EJIF	E		23 53 45.0				0.03	0.6	100
ALOJ	I	*	23 53 46.0						
ACHM	I		23 53 46.5						
EPRU	E		23 53 48.9						90
ENIJ	E		23 53 48.8						
AFC	E		23 53 50.0						85
AAPN	I		23 53 51.5						
ASMO	I		23 53 52.0						
AVE	I	*	23 54 03.0	I	*	23 54 44.5			
TIO	I	*	23 54 30.0	I	*	23 55 30.0			
GUD	E		23 54 36.5						

04-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	235305.0	34 23	-03 44	10	0.7	3.3		NE. TAZA.MAC

CNIL	I		08 54 01.0						
EJIF	E		08 54 03.8	E		08 54 10.4	0.02	0.4	35
EPRU	E		08 54 08.8	E		08 54 18.5			35
EVAL	E		08 54 15.9	E		08 54 30.4	0.02	0.2	35
EHOR	E		08 54 18.8	E		08 54 35.7	0.02	0.2	32

06-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	085355.6	36 38	-06 00	10	0.4	2.8		JEREZ.CA

ENIJ	E		09 50 11.5	E		09 50 29.8	0.05	0.2	
ALM	E		09 50 12.6	E		09 50 32.6			
EALH	E		09 50 18.0	E		09 50 39.8	0.04	0.4	
EMEL	E		09 50 18.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACU	E		09 50 26.2						
APHE	I		09 50 27.0						
AFC	E		09 50 27.7						
ACHM	E		09 50 29.5						
ATEJ	E		09 50 30.5	E	*	09 51 04.0			
ASMO	I		09 50 30.7	E	*	09 51 06.5			
ALOJ	I		09 50 32.2						
EVIA	E		09 50 33.2	E		09 51 04.5	0.04	0.5	
AAPN	I		09 50 34.5	E	*	09 51 12.5			
IFR	E	*	09 51 15.0						

11-JUN HO LAT LONG PRO RMS MAG IO
094949.0 36 03 -00 46 33 0.6 3.4 N. ORAN

MTH	I		21 14 33.5	I		21 15 02.0			
EVAL	E		21 14 41.8	E		21 15 15.3	0.03	0.2	100
AVE	I		21 14 55.0	I		21 15 39.0			
EJIF	E	=	21 14 55.6	E	=	21 15 39.0			
EHOR	E		21 14 58.5	E		21 15 45.4	0.01	0.2	110
MTE	E		21 15 00.0	I		21 15 48.0			
EPLA	E		21 15 05.5	E		21 15 58.5	0.01	0.2	115
AAPN	E		21 15 10.0	I		21 16 05.5			
MVO	E	=	21 15 10.0	E	=	21 16 06.5			
ALOJ	E	*	21 15 11.0	I		21 16 05.0			
IFR	I		21 15 11.0	I		21 16 07.5			
ATEJ	E		21 15 11.5	I		21 16 07.0			
APHE	E		21 15 14.5	E	*	21 16 15.0			
EBAN	I		21 15 15.3	E		21 16 14.0	0.02	0.2	135
PAB	E		21 15 16.0	E		21 16 17.0			
EZAM	I	=	21 15 16.0	E	=	21 16 17.8			
AFC	E		21 15 16.3	E		21 16 16.0			110
ERUA	E	=	21 15 24.7	E	=	21 16 33.0			
TIO	I		21 15 25.0	I		21 16 30.0			
GUD	I		21 15 26.0	E		21 16 34.8	0.01	0.3	150
EVIA	E		21 15 29.8	E		21 16 40.8	0.02	0.2	140
ETOR	E		21 15 46.0	E		21 17 09.0			135

11-JUN HO LAT LONG PRO RMS MAG IO
211355.2 36 34 -10 25 33 0.7 3.5 SW. CABO S.VICENTE

ACU	E		04 44 13.7	E		04 44 19.0			95
VIV			04 44 28.8			04 44 45.2			
EALH	E		04 44 29.0				0.07	0.5	125
EVIA	I		04 44 39.6	E		04 45 02.5	0.16	0.7	155
ENIJ	E		04 44 43.1	E		04 45 10.5			95
EROQ	E		04 44 45.0	E		04 45 14.2			100
EBAN	I		04 44 53.1	E		04 45 27.5			115
ASMO	I		04 44 56.5						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
APHE	I	*	04 45 00.0						
AAPN	I		04 45 00.5						
ETOR	E	=	04 45 01.0	E	=	04 45 34.0	0.01	0.3	155
PAB	I		04 45 01.5						140
ACHM	E	*	04 45 02.0						
ALOJ	I	*	04 45 02.0						
TOL	E	*	04 45 02.5				0.02	0.8	125
ATEJ	E	*	04 45 03.0						
GUD	E		04 45 06.4				0.01	0.4	155

12-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	044407.7	38 25	-00 01	14	0.4	3.1		E. ALICANTE

EBAN	I		14 21 33.5	E		14 21 42.0	0.01	0.1	40
EHOR	E		14 21 35.8	E		14 21 46.0	0.01	0.2	25
AAPN	I		14 21 41.5	I		14 21 57.0			
ASMO	I		14 21 44.6	I	*	14 22 02.0			
ALOJ	I		14 21 45.7	E		14 22 04.5			
AFC	E		14 21 47.5	E		14 22 06.0			
APHE	I		14 21 50.0	E	*	14 22 12.0			
EVIA	E		14 21 50.2	E		14 22 12.0			45

14-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	142121.8	38 23	-04 34		0.5	2.7		VILLANUEVA CORDOBA.CO

ETOR	I		07 00 32.5	E		07 00 36.2	0.07	0.2	82
GUD	I		07 00 57.7	E		07 01 17.0	0.01	0.3	58
ECRI	E		07 00 58.8	E		07 01 20.0	0.01	0.2	50
EROQ	E	=	07 01 05.7	E	=	07 01 31.0			50

15-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	070030.0	40 59	-02 11		0.5	2.7		MAZARETE.GU

MOE	I		15 06 55.8	I	*	15 07 04.3			
LIS	E		15 07 03.0	I		15 07 15.3			
MTH	I		15 07 05.5	I		15 07 19.0			
FIG	I		15 07 07.3	I		15 07 23.0			
EVAL	I		15 07 11.8	E		15 07 32.0	0.06	0.2	100
EHOR	E		15 07 27.4	E		15 07 57.8	0.03	0.2	100
EPLA	E		15 07 29.5	E		15 08 01.7	0.01	0.2	95
COI	E	*	15 07 31.0	I	*	15 07 55.3			
MTE	I	=	15 07 32.5	I	=	15 08 01.5			
AAPN	E		15 07 42.0	E	*	15 08 39.5			
ALOJ	E		15 07 42.5	E	*	15 08 43.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ATEJ	E		15 07 44.2						
APHE	E		15 07 47.5						
GUD	E		15 07 50.5	E		15 08 38.0	0.01	0.3	110
PAB	E	=	15 07 52.0	E	=	15 08 31.5			125

15-JUN *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

150647.6 38 06 -08 25 6 0.4 3.1 AZINBEIRA BARROS.PORT

ACU	I		21 04 32.4	E		21 04 38.7	0.21	0.3	100
VIV			21 04 37.5	E		21 04 47.5			
EALH	E		21 04 49.0	E		21 05 07.0	0.05	0.4	105
EVIA	I		21 04 53.1	E		21 05 14.5	0.25	0.4	165
EROQ	E		21 04 57.3	E		21 05 20.5	0.03	0.3	105
ENIJ	E		21 05 03.6						90
ETOR	E	=	21 05 08.0	E	=	21 05 35.5	0.03	0.4	160
EBR	E	*	21 05 05.0						
EBAN	I		21 05 07.7	E		21 05 40.5	0.02	0.2	125
AFC	E		21 05 12.5						130
PAB	E		21 05 13.0						125
ASMO	I		21 05 13.1	E		21 05 49.5			
AVN		*	21 05 15.3						
ACHM	E		21 05 16.5						
AAPN	I		21 05 16.7	E	*	21 05 52.0			
APHE	I		21 05 16.7	E	*	21 05 58.0			
GUD	I		21 05 17.2	E		21 05 56.0	0.01	0.4	145
ALOJ	I		21 05 18.6	E	*	21 06 00.0			
ATEJ	E		21 05 19.4	E	*	21 06 02.0			
TOL	E	*	21 05 20.0	E	*	21 05 59.0	0.05	0.8	115
EPF		*	21 05 29.6			21 06 14.4	0.01	0.4	
EPLA	E		21 05 34.0						120

15-JUN *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

210425.0 38 56 -00 20 10 0.5 3.1 III LUCHENTE.V

LIJA	E		00 42 43.5						
EPRU	I		00 42 45.0	E		00 42 47.8	0.04	0.2	60
EJIF	I		00 42 52.2	E		00 42 58.8	0.03	0.4	48
SRQ	E		00 42 56.0						
GIBL	E	*	00 42 56.5						
MOMI	I	*	00 42 56.7						
EHOR	E		00 42 57.5	E		00 43 10.0	0.02	0.3	50
OJEN	E	*	00 43 01.0						
CNIL	E	*	00 43 01.0						
EVAL	E		00 43 03.5	E		00 43 19.8			37
ALOJ	I	=	00 43 03.5	E	=	00 43 18.5			
AAPN	I	=	00 43 04.2	I	=	00 43 19.0			
ATEJ	I	*	00 43 04.9	I	*	00 43 22.2			
ACHM	E	*	00 43 07.5	E	*	00 43 27.7			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
APHE	I	*	00 43 09.2	E	*	00 43 31.0			
ASMO	E	*	00 43 09.5	E	*	00 43 30.5			
AFC	E		00 43 10.0	E		00 43 29.4			45
EBAN	E	=	00 43 15.7	E	=	00 43 38.4			55

16-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	004242.1	36 59	-05 27	2	0.4	2.5		CORIPE.SE

MOE	E		06 00 58.0			06 01 15.0			
FIG	E		06 00 59.0	I		06 01 13.0			
MTH	E		06 01 02.0	I	*	06 01 21.0			
EHOR	I		06 01 25.7	E		06 02 00.8			130
MTE	I		06 01 26.5	I		06 02 02.0			
EPRU	E		06 01 27.2	E		06 02 02.3			
EPLA	I		06 01 31.0	E		06 02 10.8	0.02	0.2	100
AAPN	I		06 01 38.0	I		06 02 22.5			
ALOJ	I		06 01 38.7	E	*	06 02 26.0			
ATEJ	I		06 01 41.0	E		06 02 26.5			
EBAN	I		06 01 41.5	E		06 02 29.3	0.01	0.2	110
ASMO	E		06 01 43.0						
APHE	I		06 01 44.0						
AVE	E		06 01 44.0	E		06 02 32.0			
AFC	E		06 01 44.8	E		06 02 34.0			90
GUD	E		06 01 51.4	E		06 02 46.0	0.01	0.2	130
IFR	I		06 01 53.0	I	*	06 02 45.0			
EVIA	E		06 01 55.5	E		06 02 54.0			
ETOR	E		06 02 11.2						
TIO	I		06 02 14.5	I	*	06 03 26.0			

17-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	060038.6	37 30	-09 10	23	0.6	3.4		W. CABO SARDAO

EALH	E		19 52 34.5	E		19 52 44.2			55
ENIJ	E		19 52 39.0	E		19 52 54.0	0.01	0.3	
EBAN	I		19 52 40.8	E		19 52 57.0	0.04	0.2	60
AFC	E		19 52 43.0	E		19 52 59.0	0.01	0.2	60
ASMO	I		19 52 44.0	I		19 53 02.0			
APHE	I		19 52 48.0	E	*	19 53 13.0			
ACHM	E	*	19 52 18.0	E	*	19 53 12.0			
AAPN	I	*	19 52 18.0	I	*	19 53 15.0			
ALOJ	I		19 52 49.7	E	*	19 53 16.0			
ATEJ	I		19 52 51.0	E	*	19 53 17.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
PAB	E	*	19 52 59.0	E	*	19 53 27.5			120
TOL	E	*	19 53 02.5	E	*	19 53 32.5	0.03	1.0	70
GUD	E	=	19 53 16.0	E	=	19 53 51.5	0.01	0.4	95

20-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	195220.8	38 00	-02 21	3	0.5	2.8		PUEBLA FADRIQUE.GR

VIV	E		03 27 55.0	E		03 28 11.0			
ETOR	I		03 27 57.4	E		03 28 15.0	0.01	0.2	60
GUD	I		03 28 00.7	E		03 28 21.0	0.02	0.2	75
EBAN	E		03 28 01.0	E		03 28 22.0	0.02	0.2	70

23-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	032733.4	39 32	-02 38	8	0.1	3.0		LAS PEDROÑERAS.CU

ETER	I		18 17 27.4	E		18 17 34.3	0.05	0.2	55
OLT			18 17 33.0			18 17 44.1			
SQD			18 17 33.8			18 17 44.9			
FONT			18 17 38.2			18 17 52.8			
MLS		*	18 17 51.4			18 18 11.0			
AVN		*	18 17 55.8		*	18 18 23.3			
EPF		=	18 17 59.4		=	18 18 26.9	0.01	0.2	
CAF		=	18 18 02.6		=	18 18 34.5	0.01	0.2	
LPO		=	18 18 05.9		=	18 18 38.0	0.01	0.3	

24-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	181719.0	42 30	03 25	9	0.5	2.9		E. PORT-BOU

MAL	I		21 21 45.8	I		21 21 57.0	2.75	0.5	125
SRQ	I		21 21 48.2						
ATEJ	I		21 21 48.2	E	*	21 21 56.0			
APHE	I	=	21 21 50.0	E	=	21 22 03.3			
EJIF	I		21 21 50.6	E		21 22 05.3			185
ALOJ	I		21 21 52.0	E	*	21 22 03.0			
ACHM	I		21 21 52.2	E	*	21 22 05.0			
OJEN	I	*	21 21 53.0			21 22 03.9			
MOMI	I		21 21 54.5						
CRT	E		21 21 55.0	E	*	21 22 07.0			
EMEL	I		21 21 55.0	E		21 22 12.0			115
EPRU	I		21 21 55.3	E		21 22 10.0	0.39	0.6	180
AAPN	I		21 21 55.6	E	*	21 22 07.5			
AFC	E		21 21 56.5	E		21 22 14.5	0.08	0.3	165
ASMO	I		21 21 57.4	I	*	21 22 05.5			
GIBL	I		21 21 58.5						
CNIL	I		21 21 59.5	E	*	21 22 30.8			
ALJ	I	*	21 21 59.5						
ALM	E		21 22 02.3	I	*	21 22 26.6			81

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ENIJ	E		21 22 04.0	E		21 22 27.7	0.08	0.3	145
TAF	E		21 22 06.0	E	*	21 22 32.0			
EHOR	E		21 22 06.3	E		21 22 30.0	0.10	0.3	155
EBAN	E		21 22 09.0	E		21 22 34.5	0.07	0.2	170
EVAL	E		21 22 12.5	E		21 22 42.0	0.07	0.3	165
IFR	I		21 22 13.0	I		21 22 42.5			
AVE	I		21 22 29.5	I		21 23 10.5			
TOL	E		21 22 33.0	I	*	21 23 33.0	0.10	0.8	175
GUD	E		21 22 43.0	E		21 23 35.0	0.03	0.5	222
LIS	E		21 22 44.0	E		21 23 36.0			
MTH	I		21 22 45.5	I		21 23 38.0			
MTE	I		21 22 48.5	I		21 23 44.5			
ETOR	E		21 22 48.8				0.02	0.5	205
COI	E		21 22 51.3	I		21 23 48.3			
TIO	I		21 22 56.0	I		21 23 58.0			

26-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	212132.6	36 00	-04 18	10	0.8	3.7		ALBORAN

MAL	I		11 26 31.8	I		11 26 44.0			
SRQ	I		11 26 32.7						
EJIF	I		11 26 34.4	E		11 26 47.4	0.03	0.3	55
MOMI	E		11 26 35.5						
EPRU	I		11 26 37.0	E		11 26 50.0	0.02	0.2	63
ALJ	E	*	11 26 38.0						
AFC	E		11 26 42.2						
EHOR	E		11 26 46.0	E		11 27 07.5	0.03	0.2	
EBAN	I		11 26 50.5	E		11 27 15.7	0.03	0.2	75
EVAL	I		11 26 51.9	E		11 27 17.9	0.04	0.2	25
IFR	I	*	11 26 54.0	I	*	11 27 21.0			
GUD	E		11 27 22.5	E		11 28 11.0			

27-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	112617.8	36 12	-04 36	90	0.6	3.3		ALBORAN

EBAN	I		14 44 42.3	E		14 44 51.0	0.02	0.1	40
EHOR	E		14 44 44.0	E		14 44 54.2	0.02	0.1	40
AAPN	I		14 44 50.7	I		14 45 06.2			
ASMO	I		14 44 53.0	I		14 45 09.5			
ALOJ	I		14 44 54.4	E		14 45 13.0			
AFC	E		14 44 56.3	E		14 45 14.4			45
ATEJ	E		14 44 58.0						
APHE	I		14 44 59.0	I		14 45 20.5			
EPLA	E		14 45 04.0						50
GUD	E	=	14 45 14.0	E	=	14 45 42.0			55

27-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
	144430.2	38 24	-04 35		0.5	2.8		VILLANUEVA CORDOBA.CO

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MVO	I		17 55 41.0	I		17 55 47.5			
ERUA	E		17 55 51.2	E		17 56 03.7	0.02	0.2	30
MTE	E		17 55 57.0	I		17 56 15.0			
GUD	E		17 56 10.8	E		17 56 38.5	0.01	0.3	55

01-JUL HO LAT LONG PRO RMS MAG IO
175534.8 41 31 -06 48 1 0.5 2.7 MACEDO CAVALEIROS.PORT

MOMI	I		18 34 13.9						65
PLAT	E		18 34 15.2	E		18 34 18.0			62
ALJ	I	*	18 34 17.0						
GIBL	I	*	18 34 18.5						
OJEN	E		18 34 18.8	E		18 34 23.0			60
EJIF	E		18 34 19.2	E		18 34 25.5	0.07	0.5	85
SRQ	E		18 34 21.0	E		18 34 26.0			50
EPRU	E		18 34 27.7						85
ATEJ	E		18 34 40.0						
EHOR	E		18 34 40.2						40
ALOJ	E	*	18 34 45.5						
AAPN	E	*	18 34 47.0						
APHE	E	*	18 34 50.5						

01-JUL HO LAT LONG PRO RMS MAG IO
183411.4 36 16 -05 57 4 0.5 2.7 VEJER FRONTERA.CA

MOMI	I		18 38 35.0						55
PLAT	I		18 38 36.7	E		18 38 39.3			60
OJEN	E		18 38 40.5	E		18 38 44.5			50
EJIF	E		18 38 41.0	E		18 38 47.0	0.05	0.5	90
SRQ	E		18 38 42.2	E		18 38 47.0			43
ALJ	I	*	18 38 43.5						
EPRU	E		18 38 49.0						75

01-JUL HO LAT LONG PRO RMS MAG IO
183833.1 36 16 -05 56 0.6 2.6 VEJER FRONTERA.CA

ERUA	I		00 20 51.0	I		00 20 55.2	0.10	0.2	
MVO	I		00 21 02.0	I		00 21 14.0			
EZAM	E		00 21 05.3	E		00 21 20.0	0.04	0.2	40
STS	I		00 21 08.5	E		00 21 24.5	0.05	0.2	47
MTE	E	=	00 21 16.5	I	=	00 21 38.2			
GUD	E		00 21 28.6	E		00 22 01.0	0.01	0.3	130

02-JUL HO LAT LONG PRO RMS MAG IO
002045.0 42 04 -07 14 2 0.3 3.1 A GUDIÑA.OR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVAL	E		09 00 41.2	E		09 00 56.8	0.03	0.2	75
EJIF	E		09 00 48.2						50
EPRU				E		09 01 16.2			
EHOR				E		09 01 22.5			62
ALOJ	I		09 01 04.3	E		09 01 37.5			
AAPN	E		09 01 04.5	E		09 01 38.5			
ATEJ	I		09 01 05.0	E		09 01 39.0			
APHE	E		09 01 09.0						
AFC	E		09 01 10.8	E		09 01 49.0			
EBAN	E		09 01 11.5	E		09 01 51.0	0.01	0.2	80
IFR	I		09 01 11.5	I	*	09 01 49.0			
GUD	E		09 01 31.0	E		09 02 25.5			
TIO	I		09 01 37.9	I	*	09 02 35.0			

03-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	090018.1	36 30	-07 51	31	0.6	3.3		GOLFO DE CADIZ

ASMO	I		07 46 04.5	E		07 46 8.5			
AAPN	I		07 46 04.7	E		07 46 9.0			
ACHM	E		07 46 06.0	E		07 46 11.0			
AFC	I		07 46 06.3	E		07 46 12.2	0.02	0.2	22
ALOJ	I		07 46 06.4	E		07 46 12.0			
APHE	I		07 46 08.5	E		07 46 16.0			
ATEJ	E		07 46 09.0	E		07 46 17.0			
EBAN	I		07 46 13.9	I		07 46 24.0	0.04	0.2	32

05-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	074559.5	37 23	-03 55	28	0.3	2.6		COLOMERA.GR

ALJ	I	*	06 09 09.0						
MOMI	I		06 09 09.0						55
EJIF	I		06 09 10.3	E		06 09 13.3	0.14	0.3	21
SRQ	E		06 09 13.5						33
CNIL	E		06 09 14.8	E		06 09 19.3			40
OJEN	E	=	06 09 16.0	E	=	06 09 20.0			35
GIBL	I		06 09 17.0						
EPRU	E		06 09 21.2						35
EHOR	E		06 09 33.5	E		06 09 53.3			37

06-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	060908.2	36 23	-05 38	5	0.6	2.6		ALCALA GAZULES.CA

EPRU	I		12 25 08.5	E		12 25 11.3	0.15	0.6	98
EJIF	I		12 25 14.4	E		12 25 23.0	0.14	0.6	110
GIBL	E		12 25 17.0						
MOMI	E		12 25 19.3						55

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL				E		12 25 31.0			
SRQ	E	=	12 25 21.0	E	=	12 25 30.0			
OJEN	E		12 25 23.5						
EHOR	E		12 25 24.3						
EVAL	E		12 25 30.9						

06-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	122507.4	36 54	-05 18	7	0.6	2.7		OLVERA.CA

ACHM	I		02 18 40.2	I		02 18 42.0			
CRT	I		02 18 40.5	E	*	02 18 43.5			
ASMO	I		02 18 40.6	I		02 18 43.0			
AFC	I		02 18 40.9	E		02 18 43.1	0.06	0.2	50
APHE	I		02 18 42.0	E		02 18 45.5			
ALOJ	I		02 18 43.5	I		02 18 48.0			
AAPN	I		02 18 43.5	E		02 18 49.0			
ATEJ	I		02 18 43.7	I		02 18 49.7			

08-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	021837.4	37 12	-03 44	10	0.3	2.5		SANTA FE.GR

SRQ	E		23 31 13.2						225
OJEN	E		23 31 15.0	E		23 31 16.5			210
EJIF	I		23 31 16.0						280
MOMI	I		23 31 16.3						250
ALJ	I	*	23 31 17.5						
PLAT	I		23 31 18.0	E		23 31 20.5			200
CNIL	E		23 31 22.3						180
LIJA	I	*	23 31 26.5						
EPRU	I		23 31 27.3	E		23 31 36.2			265
MAL	I	=	23 31 27.6	E	=	23 31 40.0	2.81	0.8	240
ATEJ	I	=	23 31 32.3	E	=	23 31 49.3			
ALOJ	I	*	23 31 34.8						
APHE	I	=	23 31 35.7	E	=	23 31 55.5			
ACHM	E	*	23 31 36.7						
AAPN	I		23 31 38.3						
EHOR	E		23 31 40.0	E		23 32 00.0	0.27	0.5	215
EVAL	I		23 31 41.5	E		23 32 03.0	0.17	0.5	225
AFC	E		23 31 42.4	E		23 32 06.5	0.10	0.5	275
ASMO	I		23 31 42.5	E		23 32 04.5			
EBAN	E		23 31 51.0	E		23 32 18.7	0.16	0.5	245
ENIJ	E		23 31 54.5	E		23 32 28.0	0.06	0.5	250
RBA	E	*	23 31 55.5						
IFR	I		23 31 56.0	I	*	23 32 25.0			
ALM	E	*	23 31 56.4	E		23 32 23.4			
TAF	I		23 31 57.0						
AVE	E		23 32 04.0						
LIS	E		23 32 11.5	I	*	23 32 58.3			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TOL	I		23 32 12.0	E	*	23 32 57.0	0.40	1.0	225
MTH	E		23 32 13.0	I	*	23 33 02.0			
MTE	I		23 32 20.0	I	*	23 33 14.5			
GUD	I		23 32 21.0	E		23 33 12.5	0.07	0.6	270
COI			23 32 21.6			23 33 14.3			
MVO	I		23 32 28.0	I	*	23 33 29.5			
ETOR	E		23 32 31.8	E		23 33 31.0	0.08	0.7	290
TIO	I		23 32 32.5	I		23 33 35.5			
PTO	I		23 32 33.5	E	*	23 33 24.0			
ERUA	I		23 32 45.0				0.05	0.7	250

08-JUL *HO LAT LONG PRO RMS MAG IO*
233112.3 36 13 -05 27 4 0.6 3.8 V LOS BARRIOS.CA

SRQ	E		23 38 59.5						30
OJEN	E		23 39 01.5	E		23 39 4.0			20
EJIF	E		23 39 02.5	E		23 39 5.3			25

08-JUL *HO LAT LONG PRO RMS MAG IO*
233858.4 36 14 -05 25 5 0.1 2.1 LOS BARRIOS.CA

SRQ	I		02 19 31.0						
OJEN	E		02 19 33.3						
EJIF	I		02 19 34.0	E		02 19 37.0			170
MOMI	I		02 19 34.5						
ALJ	I	*	02 19 36.0						
PLAT	I		02 19 36.2	E		02 19 40.0			
CNIL	E		02 19 40.5	E		02 19 47.0			
MAL	I	=	02 19 46.0		=	02 19 58.0	0.44	0.8	115
EPRU	I	=	02 19 46.1	E	=	02 19 56.0	0.49	1.0	145
ATEJ	I	*	02 19 50.7						
ALOJ	I	*	02 19 53.2						
APHE	I	*	02 19 54.0						
ACHM	E		02 19 56.0						
AAPN	E		02 19 58.0						
EHOR	E		02 19 59.6	E		02 20 20.4	0.04	0.5	127
ASMO	I		02 20 02.5						
CRT	E		02 20 03.0						
EVAL	E	=	02 20 05.0	E	=	02 20 27.8			110
AFC	E		02 20 01.2						135
EBAN	E		02 20 08.6	E		02 20 37.2	0.02	0.5	110
IFR	I	*	02 20 21.0						
TOL	E		02 20 31.0	E	*	02 21 10.0	0.07	1.2	150
GUD	E		02 20 39.5						150

09-JUL *HO LAT LONG PRO RMS MAG IO*
021930.9 36 14 -05 26 0.9 3.2 LOS BARRIOS.CA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
SRQ	I		02 21 30.6						43
EJIF	E		02 21 33.0	E		02 21 34.8	0.03	0.2	47
OJEN	E		02 21 33.0	E		02 21 35.0			34
MOMI	E		02 21 34.0	E		02 21 37.0			38

09-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	022129.5	36 16	-05 27		0.3	2.3		LOS BARRIOS.CA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
SRQ	E		02 29 28.0						58
OJEN	E		02 29 30.2	E		02 29 32.0			45
EJIF	E		02 29 30.5	E		02 29 32.5	0.07	0.2	60
MOMI	E		02 29 31.2	E		02 29 34.4			50
ALJ	I	*	02 29 32.0						
PLAT	E		02 29 33.5	E		02 29 37.5			45
MAL				I	*	02 29 54.3			

09-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	022926.9	36 16	-05 25	2	0.6	2.7		LOS BARRIOS.CA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
SRQ	I		02 56 26.5						60
OJEN	E		02 56 29.0	E		02 56 31.2			45
EJIF	E		02 56 29.0	E		02 56 31.0	0.05	0.2	60
MOMI	E		02 56 30.0	E		02 56 33.0			50
PLAT	E		02 56 32.0	E		02 56 36.0			42
ALJ	I		02 56 34.0						

09-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	025625.7	36 17	-05 26		0.4	2.6		LOS BARRIOS.CA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALM	I		02 58 51.1	I		02 58 53.2			26
ENIJ	I		02 58 53.0	I		02 58 56.5			60
AFC	E		02 59 02.8	E		02 59 14.0	0.01	0.2	55
APHE	E		02 59 05.5						
ACHM	E		02 59 07.5						
ASMO	E		02 59 08.0						
ATEJ	E		02 59 08.5						
ALOJ	E		02 59 12.2						
AAPN	E		02 59 13.2	E	*	02 59 33.5			
EBAN	E		02 59 16.2	E		02 59 36.8	0.01	0.2	43

09-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	025848.4	36 59	-02 32		0.8	2.5		GADOR.AL

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
SRQ	I		02 59 05.9						55
OJEN	E		02 59 08.8	E		02 59 11.0			42
EJIF	E		02 59 08.8	E		02 59 10.8	0.05	0.2	60
MOMI	E		02 59 09.5	E		02 59 13.0			50
PLAT	E		02 59 12.2	E		02 59 15.8			50
ALJ	I		02 59 13.0						

09-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	025905.2	36 17	-05 25		0.4	2.6		LOS BARRIOS.CA

SRQ	I		03 03 51.7						50
EJIF	E		03 03 54.4	E		03 03 56.5	0.04	0.2	57
OJEN	E		03 03 54.5	E		03 03 56.7			40
MOMI	E		03 03 55.0	E		03 03 58.0			48
ALJ	I	*	03 03 56.5						
PLAT	E	*	03 03 58.0	E		03 04 01.0			45

09-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	030350.9	36 17	-05 26		0.3	2.6		LOS BARRIOS.CA

SRQ	E		13 11 22.4						
OJEN	E		13 11 25.7	E		13 11 27.4			30
EJIF	E		13 11 25.5	E		13 11 27.2	0.02	0.2	42

09-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	131121.7	36 16	-05 27		0.4	2.1		LOS BARRIOS.CA

SRQ	E		17 55 58.0						60
EJIF	E		17 56 00.7	E		17 56 02.8	0.03	0.2	65
OJEN	E		17 56 01.0	E		17 56 03.0			40

09-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	175557.2	36 16	-05 26		0.2	2.5		LOS BARRIOS.CA

ECRI	E		13 01 38.0	E		13 01 44.6	0.03	0.2	55
EPF			13 01 57.6			13 02 20.2	0.01	0.3	
ETOR	E		13 02 03.8	E		13 02 29.0	0.01	0.3	85
AVN			13 02 05.5		*	13 02 34.5			
EROQ	E		13 02 10.7				0.01	0.3	80

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
GUD	E		13 02 12.2	E		13 02 45.0			70
LFF			13 02 14.6			13 02 48.9			
LPO			13 02 15.6			13 02 51.0			

10-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	130129.2	42 50	-01 57		0.6	2.8		SIERRA DE ANDIA.NA

ECRI	E		14 02 36.4	E		14 02 43.5	0.04	0.2	
EPF			14 02 55.4			14 03 17.6	0.01	0.3	
ETOR	E		14 03 01.0	E		14 03 26.5	0.01	0.3	95
VIH			14 03 01.7			14 03 27.0			
EROQ	E		14 03 10.0	E		14 03 43.0	0.01	0.3	80
GUD	E		14 03 10.5	E		14 03 43.7			
LFF			14 03 12.6		*	14 03 48.2			
LPO			14 03 13.2			14 03 48.6			

10-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	140227.8	42 53	-02 00	8	0.6	2.8		SIERRA DE ANDIA.NA

ECRI	E		17 00 22.3	E		17 00 29.0	0.02	0.2	35
EPF			17 00 43.0		*	17 01 02.0	0.01	0.3	
VIH		*	17 00 45.0			17 01 11.7			
ETOR	E		17 00 46.8	E		17 01 11.5			85
GUD	E	=	17 01 04.5	E	=	17 01 36.0			

10-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	170014.2	42 50	-01 59	10	0.3	2.5		SIERRA DE ANDIA.NA

ATEJ	I		17 35 54.5	E		17 35 57.2			
APHE	I		17 35 56.0	E	*	17 35 58.5			
ACHM	I		17 35 58.0	E		17 36 04.5			
ALOJ	I		17 35 58.0	E		17 36 05.0			
MAL	I		17 35 58.5	I		17 36 03.0	0.83	0.7	40
CRT	E		17 36 01.0	E		17 36 9.0			
AFC	E		17 36 02.5	E		17 36 10.0	0.02	0.2	62
ASMO	I		17 36 02.7						
AAPN	I		17 36 03.0	E	*	17 36 12.7			
ENIJ	E		17 36 17.5	E		17 36 36.0			
EBAN	E		17 36 18.0	E		17 36 37.0	0.01	0.2	60
EHOR	E	=	17 36 21.3	E	=	17 36 41.3			60

10-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	173551.3	36 43	-03 56		0.6	2.7		S. TORROX

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECRI	E		18 28 49.0	E		18 28 56.5	0.05	0.2	70
EPF			18 29 07.6			18 29 30.0			
VIH			18 29 12.8						
ETOR	E	=	18 29 14.7	E	=	18 29 39.0	0.01	0.3	105
EROQ	E		18 29 21.5	E		18 29 53.0	0.02	0.3	95
GUD	E		18 29 22.9	E		18 29 55.8			80
MRB		*	18 29 24.7						
LPO			18 29 25.8			18 30 00.6			
EBR	E	*	18 29 30.0	E	*	18 30 00.0			
CAF			18 29 33.6			18 30 14.7			
TOL	E	*	18 29 41.0	E	*	18 30 25.0			75

	HO	LAT	LONG	PRO	RMS	MAG	IO	
10-JUL	182840.2	42 49	-01 55	9	0.5	3.0		SIERRA DE ANDIA.NA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTE	E		20 30 04.5	I		20 30 15.0			
MVO	I		20 30 11.2	I		20 30 27.0			
EZAM	E		20 30 14.5	E		20 30 33.0	0.02	0.3	
ERUA	E	=	20 30 27.0	E	=	20 30 50.0			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
10-JUL	202950.3	40 45	-08 28	10	0.3	2.9		ESTARREJA.PORT

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECRI	I		11 41 57.4	E		11 42 05.0	0.13	0.2	110
MADF			11 42 01.6			11 42 15.8			
ATE			11 42 02.3			11 42 17.8			
EPF			11 42 16.4			11 42 38.3			
VIH			11 42 19.8						
ETOR	E		11 42 20.0	E		11 42 45.0	0.03	0.3	150
AVN			11 42 21.1						
EROQ	E		11 42 29.0	E		11 42 59.0	0.06	0.3	120
GUD	E		11 42 31.0	E		11 43 03.5	0.01	0.3	120
LFF			11 42 33.9			11 43 08.4	0.01	0.3	
LPO			11 42 34.8			11 43 09.2	0.01	0.3	
EBR	E	=	11 42 35.0	E	=	11 43 05.0			
MRB			11 42 35.1						
RJF			11 42 41.0			11 43 22.0	0.01	0.4	
ECHE	E	=	11 42 46.8	E	=	11 43 25.0			97
ERUA	E		11 42 49.0	E		11 43 34.0			105

	HO	LAT	LONG	PRO	RMS	MAG	IO	
11-JUL	114147.9	42 44	-01 49	2	0.9	3.3		SIERRA DEL PERDON.NA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECRI	E		11 21 04.2	E		11 21 11.0	0.02	0.2	50
EPF			11 21 23.0			11 21 43.9	0.01	0.3	
ETOR	E	=	11 21 29.5	E	=	11 21 52.5			70

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
VIH			11 21 28.0			11 21 52.1			
AVN			11 21 30.2						
EROQ	E	=	11 21 42.0	E	=	11 22 12.0	0.01	0.3	
GUD				E		11 22 10.0			
CAF		*	11 21 47.4			11 22 29.6			

12-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	112055.7	42 48	-01 55	15	0.5	2.6		SIERRA DE ANDIA.NA

JAU			21 44 21.9			21 44 23.6			
ESCF			21 44 23.4			21 44 26.3			
EPF			21 44 28.6						
VIH			21 44 36.8			21 44 49.3			
AVN		=	21 44 47.8	E	=	21 45 07.0			
ECRI	E	=	21 44 52:3	E	=	21 45 13.8	0.02	0.2	50
LPO		*	21 44 56.0		*	21 45 21.8	0.01	0.2	
OLT		*	21 45 02.6		*	21 45 32.3			
ETOR	E		21 45 02.5	E		21 45 33.0			82
EROQ	E	=	21 45 04.8	E	=	21 45 33.3	0.01	0.2	80
GUD	E		21 45 16.5						

12-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	214419.5	43 08	-00 19	7	0.2	3.1	IV	ARUDY.FR

ACU	E		12 17 31.3	E		12 17 38.0			45
VIV	E		12 17 33.5						
ECHE	E		12 17 39.2	E		12 17 51.5			60
EVIA	E		12 17 45.8	E		12 18 03.0			65

13-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	121723.4	38 43	-00 56	2	0.3	2.1		CAUDETE.AB

ECRI	E		12 47 25.0	E		12 47 35.0	0.12	0.2	115
BOH			12 47 25.8			12 47 36.8			
ATE			12 47 29.4			12 47 43.0			
EPF			12 47 42.7		*	12 48 04.2			
VIH			12 47 46.9			12 48 10.4			
ETOR	E		12 47 47.0	E		12 48 10.0	0.08	0.4	175
AVN			12 47 47.8						
EROQ	E		12 47 54.0	E		12 48 24.0	0.05	0.3	155
GUD	E		12 47 58.3	E		12 48 31.0	0.03	0.5	160
LFF			12 48 00.5			12 48 33.2	0.02	0.4	
LPO			12 48 01.3			12 48 35.1	0.02	0.3	
EBR	E	*	12 48 02.5	E	*	12 48 37.0			
OLT			12 48 05.0						
RJF			12 48 08.4			12 48 48.8	0.03	0.4	
ECHE	E	=	12 48 19.0	E	=	12 48 55.0	0.06	0.8	140

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVIA	E		12 48 17.8				0.04	0.6	155
TOL	E	=	12 48 18.0	I	=	12 48 58.0			90
ETER	E	=	12 48 24.0	E	=	12 49 03.0			155

13-JUL

HO	LAT	LONG	PRO	RMS	MAG	IO	
124715.2	42 42	-01 43	5	0.8	3.5	III	SIERRA DEL PERDON.NA

EVIA	E		09 17 17.3	E		09 17 29.8	0.02	0.4	65
ETOR	E		09 17 27.8	E		09 17 48.0			60
EBAN	E		09 17 28.0	E		09 17 48.0			
ECHE	E		09 17 28.2	E		09 17 48.0			
GUD	E		09 17 28.5	E		09 17 48.6	0.01	0.2	32

14-JUL

HO	LAT	LONG	PRO	RMS	MAG	IO	
091701.5	39 29	-02 53		0.2	2.8		MOTA DEL CUERVO.CU

ABA	E		11 48 03.5	I		11 48 22.0			
ACU	E		11 48 19.0	E		11 48 46.0	0.06	0.5	80
ENIJ	E		11 48 29.0						
ESEL	E		11 48 31.0	E		11 49 08.0	0.03	0.3	75
ECHE	E		11 48 34.7	E		11 49 13.0	0.02	0.4	80
EVIA	E		11 48 37.2	E		11 49 19.0	0.01	0.3	120
AFC	E		11 48 44.5	E		11 49 31.0			
EROQ	E		11 48 45.3	E		11 49 30.0	0.04	0.2	95
EPF		*	11 49 17.0			11 50 24.0			
LMR			11 49 32.6			11 50 53.2			

15-JUL

HO	LAT	LONG	PRO	RMS	MAG	IO	
114742.2	36 50	01 30	5	0.7	3.3		MEDITERRANEO

MOE	E		14 39 33.2	I		14 39 59.5			
MTH	E		14 39 34.2	I		14 40 01.5			
EVAL	I		14 39 37.5	E		14 40 09.5	0.03	0.2	110
EJIF	E		14 39 50.8	E		14 40 30.5	0.01	0.2	90
AVE	I		14 39 52.0	I		14 40 33.0			
EHOR	E		14 39 54.9	E		14 40 38.0			110
EPRU				E		14 40 34.3			
MTE	E		14 40 00.0	I		14 40 47.0			
MAL				I	*	14 40 52.0			
EPLA	E		14 40 04.5	E		14 40 55.0	0.02	0.2	115
AAPN	E		14 40 06.0	E		14 40 58.0			
ALOJ	E	*	14 40 07.0	E		14 40 56.5			
IFR	I		14 40 07.0	I	*	14 40 59.5			
ATEJ	E		14 40 07.0	E		14 40 58.0			
APHE	E		14 40 10.5	E		14 41 04.0			
EBAN	E		14 40 11.4	E		14 41 07.0	0.02	0.2	135
AFC	E		14 40 12.0	E		14 41 07.5	0.01	0.3	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TIO	I		14 40 21.5	I	*	14 41 22.0			
GUD	E		14 40 24.3	E		14 41 30.0	0.01	0.2	150
ERUA	E		14 40 26.0	E		14 41 34.0			
ETOR	E		14 40 44.0	E		14 42 05.0			125

15-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	143855.9	36 29	-09 59	31	0.6	3.5		SW. CABO S.VICENTE

ERUA	I		16 57 15.1	E		16 57 19.6	0.03	0.2	75
MVO	E		16 57 30.5	E		16 57 46.0			
EZAM	E		16 57 35.4	E		16 57 54.5			35
STS	E	=	16 57 37.0	E	=	16 57 56.3			40
EPLA	E		16 57 47.3	E		16 58 14.3			90
GUD	E		16 57 51.0	E		16 58 21.7	0.01	0.3	95

15-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	165709.9	42 17	-06 46	3	0.2	2.6		SERRA DO EIXE.OR

EPF			22 43 31.4			22 43 35.6			
JAU			22 43 32.7			22 43 37.3			
ATE			22 43 37.0			22 43 45.1			
VIH			22 43 39.6			22 43 49.0			
MLS			22 43 41.0			22 43 53.0			
AVN			22 43 51.0			22 44 09.0			
ECRI	E		22 43 58.0				0.01	0.2	
LPO		=	22 44 01.4		=	22 44 26.2	0.03	0.3	
LFF		=	22 44 03.7		=	22 44 29.8	0.02	0.3	
CAF			22 44 04.8				0.01	0.3	
FONT			22 44 05.0						
EROQ	E	=	22 44 11.8	E	=	22 44 38.0	0.01	0.3	70
ETOR	E		22 44 11.8	E		22 44 44.0			

16-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	224327.5	43 04	00 02	2	0.9	3.0		BAGNERES-BIGORRE.FR

ENIJ	I		12 19 04.8	E		12 19 10.0			68
EALH	E		12 19 11.0	E		12 19 22.6	0.04	0.4	70
ALM	E	*	12 19 11.6	I		12 19 14.4			
AFC	E		12 19 15.5	E		12 19 30.0	0.02	0.3	75
ASMO	I		12 19 19.0	E	*	12 19 39.0			
APHE	I		12 19 19.2	E	*	12 19 39.5			
EVIA	I		12 19 19.2	E		12 19 37.0	0.07	0.2	92
EBAN	E		12 19 22.6	E		12 19 41.3	0.03	0.2	70
ATEJ	I		12 19 23.0	E	*	12 19 52.0			
ALOJ	I		12 19 24.0	E	*	12 19 50.2			
AAPN	I	*	12 19 25.5	E	*	12 19 47.0			
EHOR	E		12 19 36.0	E		12 20 05.5			65

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECHE	E	=	12 19 42.7	E	=	12 20 12.5			75
PAB	E	*	12 19 47.0	E	*	12 20 21.0			60
GUD	E	=	12 20 05.0	E	=	12 20 47.0			

18-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	121856.7	37 23	-02 15	1	0.3	3.0		FINES.AL

EBAN	I		17 47 43.7	E		17 47 52.0	0.04	0.2	60
EHOR	E		17 47 46.7	E		17 47 57.0	0.02	0.2	38
AAPN	I		17 47 52.2	E		17 48 10.5			
ASMO	I		17 47 55.0	E		17 48 13.0			
ALOJ	I		17 47 56.6	E		17 48 15.0			
AFC	I		17 47 58.0	E		17 48 16.5			43
ATEJ	E		17 47 59.7						
APHE	E		17 48 00.0	E	*	17 48 24.0			
EVIA	E		17 48 00.4	E		17 48 21.8			45
EPLA	E	=	17 48 10.5	E	=	17 48 36.3			50
GUD	E	=	17 48 16.5	E	=	17 48 44.0			

18-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	174731.8	38 26	-04 34		0.6	2.9		CONQUISTA.CO

ATEJ	I		20 32 55.2	E		20 32 56.7			
ALOJ	I		20 32 56.0	E		20 32 58.8			
APHE	I		20 32 56.6	E		20 32 59.0			
AAPN	I		20 32 58.5						
CRT	I		20 32 59.2	E		20 33 04.1			
ASMO	I		20 32 59.4	E		20 33 05.3			
AFC	I		20 32 59.8						150
MAL	I		20 33 01.2	I		20 33 7.3	2.29	0.5	86
EPRU	E		20 33 11.8	E		20 33 26.0	0.15	0.6	130
EBAN	I		20 33 14.5	E		20 33 30.5			135
ALM	E		20 33 15.4	I	*	20 33 34.2			
EHOR	E		20 33 17.2	E		20 33 35.5	0.05	0.2	125
EJIF	E		20 33 17.5	E		20 33 36.2	0.17	0.5	135
ENIJ	E		20 33 18.0	E		20 33 37.3	0.05	0.2	110
EVIA	E		20 33 26.2	E		20 33 51.0	0.13	0.3	185
EALH	E	=	20 33 32.5	E	=	20 33 59.0			195
EVAL	E		20 33 31.2	E		20 33 59.5			195
PAB	I		20 33 35.0	E	*	20 34 03.0			150
TOL	E		20 33 40.0				0.05	0.8	150
ACU	E		20 33 44.3	E		20 34 21.0			80
ECHE	E		20 33 47.0				0.02	0.4	155
EPLA	E		20 33 48.0	E		20 34 28.5	0.03	0.4	160
GUD	E		20 33 49.8	E		20 34 32.0	0.02	0.4	195
ETOR	E		20 33 55.0	E		20 34 41.8	0.05	0.4	180

18-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	203253.2	37 00	-03 56	2	0.5	3.4	IV	ALHAMA DE GRANADA.GR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVAL	I		02 38 46.4	E		02 38 59.0	0.02	0.2	40
EHOR	E		02 38 53.7	E		02 39 10.6	0.04	0.2	45
EPLA	E		02 38 58.0	E		02 39 18.4	0.01	0.2	55
MTE	E		02 39 04.0	E		02 39 29.0			
EBAN	E		02 39 06.8	E		02 39 35.5			75
PAB	E	=	02 39 09.0	E	=	02 39 35.0			55
GUD	E	=	02 39 21.8	E	=	02 39 56.4			90

	HO	LAT	LONG	PRO	RMS	MAG	IO	
19-JUL	023829.7	38 30	-06 39	1	0.3	3.0		SALVATIERRA BARROS.BA

GUD	I		16 07 53.3	E		16 07 56.3			90
PAB	I		16 08 06.5	E	*	16 08 22.0			40
EPLA	I		16 08 18.2	E		16 08 38.2	0.03	0.2	55
ETOR	E	=	16 08 20.5	E	=	16 08 42.0			58
EBAN	E	=	16 08 32.8	E	=	16 09 00.5			45

	HO	LAT	LONG	PRO	RMS	MAG	IO	
20-JUL	160750.0	40 27	-04 05		0.4	3.0		QUIJORNA.M

EALH	I		00 38 27.5	E		00 38 31.3	0.04	0.2	25
EVIA	I		00 38 39.1	E		00 38 51.1	0.02	0.2	40
ENIJ	E		00 38 43.0	E		00 38 57.7			40
EBAN	E		00 38 50.5	E		00 39 12.4	0.01	0.2	50
ASMO	E		00 38 53.0						
AAPN	E		00 38 56.7						
APHE	E	*	00 38 57.0						
ALOJ	E	*	00 39 00.0						

	HO	LAT	LONG	PRO	RMS	MAG	IO	
21-JUL	003822.7	38 00	-01 42	2	0.3	2.7		BULLAS.MU

EALH	I		07 48 42.7	E		07 48 46.5	0.09	0.2	45
EVIA	I		07 48 54.5	E		07 49 07.0	0.03	0.2	70
ACU	E		07 49 00.2	E		07 49 16.5			40
EBAN	E		07 49 05.7	E		07 49 25.8	0.01	0.2	55
ECHE	E	=	07 49 10.0	E	=	07 49 32.0	0.01	0.3	63
GUD	E	=	07 49 37.5	E	=	07 50 16.0			90

	HO	LAT	LONG	PRO	RMS	MAG	IO	
21-JUL	074837.7	37 55	-01 46	5	0.3	2.9		SIERRA CAMBRON.MU

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVAL	E		17 42 49.5	E		17 43 06.0	0.01	0.2	55
EPRU	E		17 43 01.0	E		17 43 24.7			35
EHOR	E		17 43 04.5	E		17 43 31.5			40
EBAN	E		17 43 20.4	E		17 43 59.0	0.01	0.2	75
IFR	I		17 43 22.2	I	*	17 44 01.5			
EPLA	E		17 43 23.2	E		17 44 04.0			70
EVIA	E		17 43 35.3	E		17 44 27.0			55
GUD	E		17 43 40.0						
ETOR	E		17 43 57.0						

21-JUL

HO	*LAT*	*LONG*	*PRO*	*RMS*	*MAG*	*IO*	
174227.7	*36 32*	*-07 49*	*32*	*0.5*	*2.9*		*GOLFO DE CADIZ*

EMEL	I		00 47 36.4	E		00 47 46.0			130
MAL	I		00 47 46.7	I		00 48 07.6	0.67	0.8	190
ATEJ	I		00 47 47.7	I	*	00 48 05.0			
APHE	I		00 47 49.0	I		00 48 06.5			
TAF	I	*	00 47 50.0	I	*	00 48 09.0			
ACHM	I		00 47 51.6						
EJIF	E		00 47 51.8	E		00 48 13.0	0.14	0.5	195
ALOJ	I		00 47 52.0	E		00 48 11.5			
ALM	I		00 47 52.6	I		00 48 14.0			140
CRT	E		00 47 53.0	E	*	00 48 18.0			
OJEN	I	=	00 47 54.3	E	=	00 48 15.0			
ENIJ	E		00 47 55.0	E		00 48 19.3	0.15	0.4	190
PLAT	I		00 47 55.5						
AAPN	I		00 47 55.5	E		00 48 18.0			
MOMI	E		00 47 56.0	E		00 48 17.0			
ASMO	I		00 47 56.5						
EPRU	E		00 47 57.0	E		00 48 19.3	0.19	1.0	185
IFR	I		00 47 59.0	I		00 48 26.0			
CNIL	E		00 47 59.0						
EHOR	E		00 48 06.0	E		00 48 37.5	0.03	0.4	150
EBAN	E		00 48 07.0	E		00 48 38.0	0.04	0.4	165
EALH	E		00 48 11.0	E		00 48 46.0	0.13	0.7	155
EVAL	E		00 48 13.0	E		00 48 50.0	0.03	0.4	145
EVIA	E	=	00 48 25.0	E	=	00 49 03.0	0.14	0.6	170
ACU	E		00 48 25.3	E		00 49 10.0			125
PAB	I		00 48 27.0	E	*	00 49 17.5			180
TOL	I		00 48 31.5	E		00 49 18.0	0.06	1.0	175
AVE	I	=	00 48 33.0	I	=	00 49 15.0			
ECHE	E		00 48 35.0	E		00 49 27.0			175
EPLA	E		00 48 38.2						
GUD	E		00 48 41.3	E		00 49 38.0	0.02	0.6	185
LIS	I		00 48 43.8	I		00 49 45.0			
TIO	E		00 48 45.0	I	*	00 49 54.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ETOR	E		00 48 46.4				0.03	0.6	205
MTE	E		00 48 50.5	E		00 49 53.5			
MVO	I		00 48 56.0	I		00 50 03.5			

24-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	004725.0	35 27	-03 43	19	0.9	3.5		N. CABO QUILATES

ASMO	I		04 18 11.2	E		04 18 14.5			
CRT	I		04 18 13.0						
ACHM	I		04 18 16.0						
AAPN	I		04 18 17.0	I	*	04 18 25.5			
ALOJ	I		04 18 18.5	I	*	04 18 27.5			
APHE	I		04 18 19.0	E	*	04 18 29.0			
ATEJ	I		04 18 21.0						
EBAN	I		04 18 23.0	E		04 18 34.0	0.01	0.2	85
MAL	E	*	04 18 31.0	I	*	04 18 41.5	0.33	0.4	60
ENIJ	E		04 18 31.7						65
EHOR	E		04 18 34.0	E		04 18 52.2	0.03	0.5	54
EVIA	E		04 18 36.4	E		04 18 56.7	0.02	0.3	76
PAB	E	*	04 18 53.0	E	*	04 19 23.0			80
GUD	E	=	04 19 11.0	E	=	04 19 49.8	0.01	0.4	

24-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	041809.7	37 25	-03 37	1	0.5	2.8		IZNALLOZ.GR

APHE	I		18 10 08.0	E		18 10 17.0			
ALM	I		18 10 08.7	I	*	18 10 17.8			60
ATEJ	I		18 10 10.0	E		18 10 21.5			
ACHM	I		18 10 11.2						
CRT	E		18 10 12.5						
MAL	E		18 10 12.6	I		18 10 26.8	0.08	0.5	69
ENIJ	E		18 10 13.0	E		18 10 27.2	0.07	0.2	90
ALOJ	I		18 10 14.0						
ASMO	I		18 10 15.5						
AAPN	I	*	18 10 18.6						
EBAN	E	=	18 10 29.3	E	=	18 10 52.0	0.02	0.3	80
EVIA	E	=	18 10 37.0	E	=	18 11 04.3	0.02	0.4	85

24-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	180955.0	36 21	-03 14	12	0.6	3.0		ALBORAN

MAL	E	05 29 23.0	I	05 29 31.5		
ATEJ	I	05 29 25.5	I	05 29 35.0		
ALOJ	I	05 29 26.7	E	05 29 36.0		
APHE	I	05 29 27.4				
ACHM	I	05 29 27.6	E	05 29 40.0		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPRU	E		05 29 27.7	E		05 29 40.0	0.01	0.2	31
AAPN	I		05 29 28.6	I		05 29 41.5			
ASMO	I		05 29 30.0	I		05 29 45.0			
EHOR	I		05 29 34.7	E		05 29 53.4	0.02	0.2	45
EBAN	I		05 29 38.3	E		05 29 58.5	0.03	0.2	67
EVAL	E		05 29 44.2	E		05 30 07.5	0.01	0.2	40
EVIA	E		05 29 50.1	E		05 30 19.0	0.03	0.2	62
IFR	I	*	05 29 55.0	I	*	05 30 28.0			

25-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	052911.1	36 36	-04 27	90	0.7	3.2		S. MALAGA

CNIL	I		20 03 23.8						240
GIBL	I		20 03 24.5						
FAR			20 03 25.6			20 03 36.5			
EVAL	I		20 03 26.8	E		20 03 40.0			440
PLAT	I		20 03 27.3	E		20 03 43.0			200
ALJ	I		20 03 29.0						
EJIF	I		20 03 30.0	E		20 03 46.0			320
OJEN	E		20 03 30.7	E		20 03 47.0			210
EPRU	I		20 03 33.2	E		20 03 51.0			425
EHOR	I		20 03 38.4	E		20 04 00.6			375
MAL	I		20 03 42.0	I		20 04 07.0	2.56	0.6	255
MOE	I		20 03 42.2	I		20 04 09.2			
AAPN	I		20 03 46.6	E	*	20 04 08.4			
ATEJ	I		20 03 46.9	E	*	20 04 08.9			
ALOJ	I		20 03 46.9	E	*	20 04 09.0			
ACHM	I		20 03 49.9	E	*	20 04 11.8			
LIS	I		20 03 50.1	I		20 04 22.3			
APHE	I		20 03 50.6	E	*	20 04 12.5			
ASMO	I		20 03 50.8	E	*	20 04 18.5			
MTH	I		20 03 51.2	I		20 04 26.0			
CRT	I		20 03 52.8	E	*	20 04 18.5			
AVE	I	=	20 03 54.0	I	=	20 04 32.0			
EBAN	I		20 03 54.3	E		20 04 29.0			365
IFR	I	*	20 03 56.0	I	*	20 04 32.5			
EMEL	E	=	20 03 59.5	E	=	20 04 39.0			100
EPLA	I		20 04 01.6	E		20 04 41.5			380
PAB	I		20 04 03.0	I		20 04 44.0			375
ALM	I		20 04 03.5	I		20 04 43.3			121
MTE	I		20 04 05.2	I		20 04 47.6			
ENIJ	E		20 04 06.0	E		20 04 49.0	0.21	0.8	270
TAF	I	=	20 04 07.0	I	=	20 04 53.0			
EVIA	I		20 04 08.9	E		20 04 55.5	0.48	0.6	420
TOL	I		20 04 09.0	I		20 04 54.5	0.78	0.9	360
COI	E	=	20 04 13.6	I	=	20 04 55.3			
MVO	I		20 04 15.0	I		20 05 06.0			
PTO	E		20 04 16.5	I		20 05 07.9			
GUD	I		20 04 17.0	E		20 05 08.0	0.24	0.5	400

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EALH	I		20 04 17.0	E		20 05 08.7	0.13	0.6	275
TIO	I	*	20 04 27.0	I	*	20 05 25.5			
ACU	E		20 04 29.0	E		20 05 31.0	0.06	0.5	270
ECHE	I		20 04 29.8	E		20 05 32.5	0.09	0.6	370
EZAM	E		20 04 30.5	E		20 05 32.5	0.20	0.7	270
ERUA	I		20 04 32.3	E		20 05 36.0	0.51	0.7	315
ETOR	I		20 04 32.3	E		20 05 35.7	0.17	0.6	385
STS	E		20 04 40.5	E		20 05 50.5	0.20	0.8	270
EMON	I		20 04 47.8	E		20 06 01.0			
ECRI	E		20 04 49.5	E		20 06 04.0	0.23	0.8	305
EROQ	E		20 04 51.4	E		20 06 10.8	0.02	0.2	320

25-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	200308.8	36 36	-07 01	19	0.6	4.4	III	GOLFO DE CADIZ

ACU	E	12 00 10.0	E	12 00 15.0	0.04	0.4	39
VIV	E	12 00 20.5	E	12 00 33.5			
ECHE	E	12 00 25.5	E	12 00 43.0			40
EVIA	E	12 00 30.0					

27-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	120004.5	38 24	-00 47		0.5	2.4	III	NOVELDA.A

ECRI	E	16 25 39.7	E	16 25 54.0	0.04	0.6	51

27-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	162518.0	43 17	-02 10			2.7	III	ZARAUZ.SS

ENIJ	E	18 22 10.7	E	18 22 15.0	0.14	0.4	53
ALM	E	18 22 13.7	I	18 22 19.3			
EALH	E	18 22 22.7	E	18 22 37.0	0.03	0.5	27
EVIA	E	18 22 30.5	E	18 22 50.0	0.06	0.4	50
EBAN	E	18 22 31.6	E	18 22 51.8	0.02	0.4	38

27-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	182205.9	37 15	-02 20	2	0.5	2.8		SENES.AL

VIH	06 20 22.3		06 20 29.4
AVN	06 20 25.1		06 20 34.3
MLS	06 20 25.2		06 20 33.5
SQD	06 20 30.2	*	06 20 45.9
FONT	06 20 31.3		06 20 44.8
EPF	06 20 31.6		06 20 44.2

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ETER	I		06 20 34.8	E		06 20 49.6	0.05	0.2	37
EROQ	E	=	06 20 44.5	E	=	06 21 06.0	0.03	0.2	43
EBR	E	=	06 20 45.0	E	=	06 21 06.0			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
28-JUL	062013.4	42 22	01 20	8	0.4	3.1		CASTELLBO.L

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
OJEN	E		17 38 14.8	E		17 38 30.0			95
SRQ	E		17 38 15.0						90
PLAT	I		17 38 16.4						85
EJIF	I		17 38 17.4	E		17 38 35.3	0.11	0.3	125
MAL	I		17 38 18.0	I	*	17 38 34.5	0.29	0.5	80
CNIL	E		17 38 20.0						80
EMEL	I		17 38.20.6	E		17 38 39.0			65
ATEJ	I		17 38 21.1	E	*	17 38 40.2			
EPRU	I		17 38 22.8	E		17 38 43.0	0.08	0.6	120
ALOJ	I		17 38 24.2	E		17 38 45.5			
IFR	I		17 38 25.0	I		17 38 46.5			
ACHM	I		17 38 25.4	E		17 38 48.0			
AAPN	I	=	17 38 28.5	I	=	17 38 54.0			
RBA	E		17 38 29.0	I	*	17 38 52.5			
CRT	E	*	17 38 30.0						
ASMO	I	=	17 38 31.0	E	=	17 38 57.5			
EHOR	I		17 38 32.9	E		17 39 01.0	0.04	0.2	130
EVAL	I		17 38 35.3	E	*	17 39 04.0	0.13	0.2	105
TAF	E	*	17 38 36.0	E		17 38 50.0			
EBAN	I		17 38 39.5	E		17 39 11.0	0.03	0.2	125
AVE	I	=	17 38 44.0	I	=	17 39 20.0			
EVIA	E		17 38 51.8	E		17 39 32.0	0.04	0.2	140
PAB	I		17 38 56.5	I	*	17 39 40.0			130
EPLA	I		17 39 04.3	E		17 39 56.0	0.03	0.2	135
MTH	I		17 39 06.5	I	*	17 39 57.5			
TIO	I		17 39 06.6	I		17 39 59.0			
GUD	E		17 39 11.4						140
MTE	I		17 39 12.5	I	*	17 40 10.0			
ETOR	E		17 39 19.8	E		17 40 22.0			125
MVO	I		17 39 21.5	I	*	17 40 24.5			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
28-JUL	173753.7	35 22	-04 44	110	0.8	3.7		MARRUECOS

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
STS	I		02 04 29.5						495
EZAM	I		02 04 34.0						460
EMON	I		02 04 36.5						
PTO	I		02 04 44.0	I		02 05 40.0			
ERUA	I		02 04 45.0						465
MTE	I		02 04 55.7			02 06 05.2			
MVO	I		02 04 56.0	I		02 05 59.5			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
COI	I	=	02 04 59.0	I	=	02 06 03.7			
MTH	I		02 05 06.0	I		02 06 18.5			
LIS	I		02 05 08.8	I		02 06 23.1			
VAL			02 05 11.8			02 06 26.0			
EPLA	I		02 05 13.4	E		02 06 31.5			490
GUD	I		02 05 24.6	E		02 06 48.0			530
ECRI	E		02 05 26.3	E		02 06 53.5	0.24	0.3	480
ECP			02 05 28.7						
TOL	I		02 05 31.5	I		02 07 04.0	0.83	0.8	500
PAB	I		02 05 31.5	E		02 07 03.0			600
EVAL	I		02 05 35.5	E		02 07 08.8	0.15	0.5	460
LPF			02 05 35.6		*	02 07 03.8	0.41	0.5	
FAR			02 05 35.9			02 07 11.9			
MADF			02 05 38.4			02 07 16.3			
ATE			02 05 39,2			02 07 17.6			
MFF			02 05 40.4		*	02 07 14.3	0.51	0.6	
ETOR	E		02 05 41.2	E		02 07 21.0	0.34	0.5	580
EHOR	E		02 05 42.0	E		02 07 23.0	0.11	0.4	475
EBAN	E		02 05 49.8	E		02 07 35.0	0.08	0.4	490
EPRU	E		02 05 52.0	E		02 07 38.5	0.20	0.9	490
EVIA	E		02 05 55.0	E		02 07 45.0	0.49	0.7	510
EJIF	E		02 05 56.7				0.22	1.0	390
MAL	I		02 06 00.4	I		02 07 51.9	0.38	0.8	420
ECHE	E		02 06 00.7	E		02 07 53.4	0.16	0.6	455
EROQ	E		02 06 02.8	E		02 07 58.0	0.29	0.6	380
EBR	E		02 06 03.0	E	*	02 07 58.0			
EALH	E		02 06 11.3				0.11	0.6	410
ACU	E		02 06 13.7	E		02 08 17.5	0.04	0.4	400
ENIJ	E		02 06 14.8				0.06	0.6	455
ETER	E		02 06 18.0				0.10	0.7	325
RBA	I		02 06 18.5	I	*	02 08 22.0			
AVE	I		02 06 24.5	I	*	02 08 32.5			
IFR	I		02 06 33.0	I	*	02 08 48.0			
TAF	I		02 06 33.0	I	*	02 08 52.0			
TIO	I	*	02 06 54.5	I	*	02 09 26.0			

29-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	020327.8	45 03	-13 22	33	1.1	4.7	III	ATLANTICO

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
BOH			15 01 15.4			15 01 18.9			
ELYF			15 01 16.4						
ESCF			15 01 20.4			15 01 27.6			
ECRI	E		15 01 30.0	E		15 01 43.7	0.04	0.2	45
GUD	E		15 02 01.0	E		15 02 38.5			70

29-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	150111.7	43 02	-01 14	13	0.2	3.0		ORBAIZETA.NA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
VIH			06 01 27.2			06 01 34.0			
MLS			06 01 27.9			06 01 35.0			
AVN			06 01 34.1			06 01 46.1			
EPF			06 01 35.9			06 01 48.0	0.02	0.3	
SQD			06 01 37.0			06 01 50.3			
MRB			06 01 37.4			06 01 51.4			
FONT			06 01 38.8			06 01 52.5			
ETER	E		06 01 40.0	E		06 01 53.8	0.01	0.2	30
CAF			06 01 58.2			06 02 26.8	0.01	0.3	

30-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	060119.1	42 33	01 25	7	0.5	2.7		ALINS.L

ETER	E	15 38 47.3	E	15 39 01.0	0.03	0.4	28
EPF		15 38 48.6			0.02	0.4	
AVN		15 38 52.5					
MRB		15 38 53.2		15 39 11.2			
CAF		15 39 02.7			0.01	0.4	

30-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
	153829.1	42 55	01 47	1	0.1	2.9		LAVELANET.FR

STS	E	03 43 32.3	E	03 44 15.0	0.01	0.2	62
EZAM	I	03 43 36.9	E	03 44 25.5	0.01	0.2	60
EMON	I	03 43 39.5	E	03 44 28.5			90
ERUA	E	03 43 48.3	E	03 44 43.7	0.02	0.3	
EPLA	E	03 44 17.0	E	03 45 34.0			
GUD	E	03 44 28.3	E	03 45 54.5	0.01	0.3	120

01-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	034233.9	45 02	-13 12	33	0.5	3.3		ATLANTICO

EBAN	I		14 08 29.5	E		14 08 38.4	0.02	0.2	52
EHOR	E		14 08 30.4	E		14 08 40.8	0.01	0.2	30
AAPN	I		14 08 37.4	I		14 08 52.5			
ASMO	I		14 08 39.5	E		14 08 56.0			
ALOJ	I		14 08 41.0	E		14 09 00.0			
ATEJ	I	=	14 08 45.5	E	=	14 09 06.0			
EVIA	I		14 08 45.6	E		14 09 08.2	0.01	0.2	40
APHE	I	=	14 08 46.0	E	=	14 09 08.0			
EPLA	I	=	14 08 55.0	E	=	14 09 21.5	0.01	0.2	40
GUD	E	=	14 09 00.5	E	=	14 09 29.0			53

02-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	140816.8	38 23	-04 37		0.5	2.8		VILLANUEVA CORDOBA.CO

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
VIV	E		20 58 38.4	E		20 58 42.5			
ECHE	I		20 58 39.0	E		20 58 44.0	0.06	0.2	55
EVIA	E		20 58 56.8	E		20 59 13.8	0.04	0.3	55
ACU	E	=	20 58 57.4	E	=	20 59 13.5			36
ETOR	I		20 59 00.7	E		20 59 20.0	0.02	0.4	60
TOL	E		20 59 09.0	E	*	20 59 46.0			50
EROQ	E	=	20 59 09.7	E	=	20 59 32.8	0.01	0.3	37
GUD	E	=	20 59 21.2	E	=	20 59 51.3	0.01	0.4	54

02-AGO *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

205834.4 39 27 -01 18 5 0.4 2.8 REQUENA.V

EBAN	I		14 50 03.2	E		14 50 11.6	0.02	0.2	45
EHOR	I		14 50 06.2	E		14 50 16.3	0.02	0.2	40
AAPN	I		14 50 12.5	E		14 50 27.5			
ASMO	I		14 50 14.7	E		14 50 31.5			
ALOJ	I		14 50 16.2	E		14 50 35.0			
ACHM	E		14 50 17.7						
EVIA	E		14 50 20.0	E		14 50 41.5			31
ATEJ	E		14 50 20.5						
APHE	I		14 50 21.0	E	*	14 50 43.5			
EPLA	E	=	14 50 30.0	E	=	14 50 55.5			40
GUD	E	=	14 50 36.5	E	=	14 51 04.0			

03-AGO *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

144951.7 38 25 -04 33 0.7 2.8 CONQUISTA.CO

LIS	E		22 03 33.8			22 04 01.1			
MTH	I		22 03 35.8	I	*	22 04 06.0			
MOE	I		22 03 37.0	I		22 04 07.0			
CNIL	I		22 03 51.0						
GIBL	I		22 03 51.5						
PLAT	E		22 03 54.2						
AVE	I	*	22 03 55.0	I	*	22 04 39.0			
MOMI	E		22 03 55.0	E		22 04 39.0			
COI			22 03 55.3			22 04 39.6			
OJEN	E		22 03 57.2	E		22 04 41.8			
EJIF	I		22 03 57.3	E		22 04 44.0	0.06	0.4	165
SRQ	E		22 03 58.5	E		22 04 44.8			
EPRU	I		22 03 59.7	E		22 04 48.0	0.02	0.2	175
EHOR	I		22 04 01.0	E		22 04 50.3	0.08	0.3	165
RBA	E	*	22 04 01.0	I		22 04 40.0			
MTE	I		22 04 01.8	I		22 04 51.5			
PTO	I		22 04 06.2	E	*	22 04 51.0			
EPLA	E		22 04 08.7	E		22 05 02.8	0.08	0.2	175
MAL	I		22 04 09.0	I		22 05 04.6			
AAPN	I		22 04 12.0	E		22 05 10.0			
IFR	I	*	22 04 12.0	I	*	22 05 07.5			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALOJ	I		22 04 12.5	E		22 05 08.5			
ATEJ	I		22 04 13.3	E	*	22 05 09.0			
MVO	I		22 04 13.3	I		22 05 11.3			
ACHM	I		22 04 15.5	E		22 05 14.5			
ASMO	I		22 04 15.7	E		22 05 16.5			
APHE	I		22 04 17.0	E	*	22 05 20.0			
EBAN	I		22 04 17.2	I		22 05 18.8	0.04	0.2	175
CRT	I		22 04 18.0	E	*	22 05 23.5			
EZAM	I		22 04 18.8	E		22 05 21.0	0.08	0.2	127
PAB	I		22 04 19.0	I		22 05 21.5			210
EMEL	E	=	22 04 24.0	E	=	22 05 32.5			
TIO	I	*	22 04 24.0	I	*	22 05 29.5			
TOL	E		22 04 25.5	I		22 05 31.0	0.06	0.6	185
ERUA	E		22 04 27.7	E		22 05 36.5	0.03	0.2	130
STS	E		22 04 28.7	E		22 05 38.8	0.03	0.2	140
GUD	E		22 04 29.0	I		22 05 39.0	0.03	0.2	230
ENIJ	E		22 04 32.0						
EVIA	E		22 04 32.5	E		22 05 46.0	0.05	0.3	200
EMON	E		22 04 40.0	E		22 05 59.0	0.04	0.2	100
ETOR	E		22 04 49.0	E		22 06 14.0	0.03	0.2	220
ECHE	E		22 04 53.0						180

03-AGO

HO	LAT	LONG	PRO	RMS	MAG	IO	
220256.1	36 37	-10 36	24	0.5	4.1		ATLANTICO

STS	I		07 33 40.2	E		07 34 21.6	0.01	0.2	57
EZAM	I		07 33 40.6	E		07 34 21.5	0.02	0.2	60
EMON	I		07 33 52.6	E		07 34 43.0	0.02	0.2	115
ERUA	I		07 33 55.5	E		07 34 49.3	0.01	0.2	62
EPLA	E		07 34 16.8	E		07 35 25.0			100
GUD	E		07 34 32.0	E		07 35 52.9			120

04-AGO

HO	LAT	LONG	PRO	RMS	MAG	IO	
073245.0	42 58	-13 27	5	0.5	3.5		ATLANTICO

FONT			02 17 35.0			02 17 37.0			
SQD			02 17 38.0			02 17 42.5			
OLT			02 17 41.2						
ETER	I		02 17 44.6	E		02 17 53.2	0.14	0.2	75
POB			02 17 53.0			02 18 09.7			
AVN			02 17 56.1			02 18 15.7			
EROQ	I		02 18 01.7	E		02 18 25.8	0.06	0.2	100
ESEL	E		02 18 02.0	E	*	02 18 22.0	0.02	0.2	67
VIH		=	02 18 02.3		=	02 18 24.7			
EBR	E	=	02 18 04.5	E	=	02 18 28.0			
EPF			02 18 08.6			02 18 34.6			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LRG			02 18 22.5		*	02 18 58.5	0.01	0.2	
LMR			02 18 22.5		*	02 18 59.0	0.01	0.2	
ETOR	E		02 18 28.0	E		02 19 09.5	0.01	0.3	125
ECRI	I		02 18 31.3	E		02 19 17.5	0.01	0.3	100
GUD	E		02 18 49.1	E		02 19 46.9			100

07-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO
	021730.9	41 37	02 39	2	0.5	3.3	III CALELLA.B

FAR		=	03 57 04.0		=	03 57 11.5			
EVAL	I		03 57 09.8	E		03 57 30.2	0.13	0.2	150
MOE	I		03 57 09.8	I		03 57 30.8			
MTH	I		03 57 15.5	I		03 57 40.5			
GIBL	I		03 57 15.5						
CNIL	E		03 57 15.7						
PLAT	E		03 57 19.5						
LIS		*	03 57 20.7			03 57 35.7			
EJIF	I		03 57 22.1	E		03 57 51.5	0.02	0.3	125
OJEN	E		03 57 22.4						
RBA	E	=	03 57 23.0	E	=	03 57 57.5			
SRQ	E		03 57 23.5						
EPRU	I		03 57 24.0	E		03 57 56.0	0.02	0.2	135
EHOR	I		03 57 25.9	I		03 57 58.0	0.06	0.2	165
COI			03 57 32.3			03 58 10.3			
MAL	I		03 57 33.5	I		03 58 12.0	0.09	0.3	125
AVE	I		03 57 35.0	I	*	03 58 13.5			
MTE	I		03 57 36.4			03 58 17.5			
AAPN	I		03 57 36.5	E		03 58 17.7			
ATEJ	I		03 57 37.5	I	*	03 58 22.5			
EPLA	I		03 57 38.3	E		03 58 22.0	0.06	0.2	165
APHE	I		03 57 41.6	E	*	03 58 31.0			
ASMO	I		03 57 41.8	I		03 58 26.5			
EBAN	I		03 57 42.5	E		03 58 28.5	0.07	0.2	170
CRT	I		03 57 44.0						
IFR	I	=	03 57 44.0	I	=	03 58 31.5			
PTO	E		03 57 44.7	E	*	03 58 21.3			
PAB	E		03 57 46.0	I		03 58 33.0			250
MVO	E		03 57 48.5	I		03 58 37.0			
EMEL	E		03 57 51.8						
TOL	E		03 57 52.0	E		03 58 45.0	0.06	1.0	190
ENIJ	E		03 57 56.6						
GUD	I		03 57 57.5	E		03 58 55.0	0.01	0.2	220
EVIA	E		03 57 57.5	I		03 58 55.0	0.06	0.2	190
EZAM	E		03 57 59.0	E		03 58 57.3	0.03	0.3	120
ERUA	E		03 58 04.0	E		03 59 07.3	0.02	0.2	140
TIO	I	=	03 58 05.0	I	=	03 59 08.5			
STS	E		03 58 09.0	E		03 59 14.7	0.01	0.3	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ETOR	E		03 58 15.7	E		03 59 27.0	0.02	0.3	210
EMON	E		03 58 17.4	E		03 59 31.0	0.02	0.2	170
ECHE	E		03 58 18.3						
ACU	E		03 58 18.5						

	HO	LAT	LONG	PRO	RMS	MAG	IO	
09-AGO	035641.7	36 49	-08 41	21	0.7	3.7		SE. CABO S.VICENTE

EHOR	I		22 29 23.5	E		22 29 30.6	0.04	0.2	30
AAPN	I		22 29 24.7	I		22 29 32.2			
ALOJ	I		22 29 27.6	I		22 29 38.0			
ASMO	I		22 29 28.5	I		22 29 39.0			
EBAN	E		22 29 28.5	E		22 29 38.9	0.02	0.2	
ATEJ	I		22 29 31.0	I		22 29 44.5			
EPRU	E		22 29 31.5	E		22 29 43.0			43
AFC	E		22 29 31.8	E		22 29 46.0			
ACHM	E	*	22 29 32.5	E	*	22 29 43.7			
MAL				I		22 29 46.5			
APHE	I		22 29 34.0	I		22 29 48.0			
EVAL	E	=	22 29 45.0	E	=	22 30 07.0			41
PAB	E	=	22 29 48.5	E	=	22 30 12.0			50
EVIA				E		22 30 9.0			56
GUD	E	=	22 30 08.8	E	=	22 30 43.0			55

	HO	LAT	LONG	PRO	RMS	MAG	IO	
12-AGO	222914.1	37 44	-04 36	5	0.3	2.8		SANTA CRUZ.CO

OLT			12 14 52.9			12 14 57.1			
SQD			12 14 55.5			12 15 01.6			
ETER	I		12 14 57.0	E		12 15 04.0	0.06	0.2	60
FONT			12 14 58.2			12 15 06.5			
MRB			12 15 01.3			12 15 12.0			
VIH			12 15 06.3			12 15 20.3			
AVN			12 15 08.2			12 15 24.4			
EPF			12 15 13.3			12 15 33.3			
EBR	E	=	12 15 23.0	E	=	12 15 48.0			
EROQ	E	=	12 15 23.6	E	=	12 15 49.0	0.04	0.3	70
LPO			12 15 27.8			12 15 57.2	0.01	0.3	
CAF			12 15 30.2				0.01	0.3	
LFF			12 15 32.9			12 16 05.0	0.01	0.3	

	HO	LAT	LONG	PRO	RMS	MAG	IO	
13-AGO	121447.3	42 20	02 09		0.5	3.2		RIBES DE FRESER.GE

ENIJ	I		20 55 59.8	E		20 56 06.8	0.11	0.2	50
EALH	E		20 56 04.7	E		20 56 16.8	0.01	0.2	
AFC	E		20 56 05.8						42

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVIA	I		20 56 09.7	I		20 56 25.0	0.06	0.2	55
APHE	I		20 56 09.7	E	*	20 56 34.0			
ASMO	I	*	20 56 10.0						
ACHM	E		20 56 11.5						
EBAN	I		20 56 11.5	E		20 56 29.0	0.02	0.2	60
ATEJ	I		20 56 14.0						
AAPN	I	*	20 56 15.0	I	*	20 56 35.5			
ALOJ	I	*	20 56 15.7						
MAL	E	*	20 56 22.0	I	*	20 56 48.5			
PAB	E	=	20 56 36.0	E	=	20 57 07.0			70
GUD				I		20 57 21.2			70

13-AGO

HO	LAT	LONG	PRO	RMS	MAG	IO	
205549.0	37 31	-02 25	3	0.3	3.0		SIERRA MADROÑAL.AL

EMEL	I		06 01 10.5	E		06 01 19.5			64
APHE	I	*	06 01 23.7	E		06 01 45.0			
ATEJ	I		06 01 24.5	E	*	06 01 41.5			
MAL	E		06 01 25.0	I		06 01 42.4			
ALOJ	I		06 01 27.0						
ACHM	I		06 01 27.0						
EJIF	E		06 01 28.8	E		06 01 51.0			62
AFC	E		06 01 29.5						67
ASMO	I		06 01 32.0						
AAPN	I	*	06 01 32.5						
IFR	I		06 01 34.5	I		06 02 00.5			

15-AGO

HO	LAT	LONG	PRO	RMS	MAG	IO	
060059.3	35 23	-03 43	12	0.6			N. CABO QUILATES

ACU	I		08 24 58.1	E		08 25 03.0	0.03	0.2	48
VIV	I		08 25 02.6	E		08 25 10.8			
ECHE	I		08 25 06.3	E		08 25 18.0	0.08	0.5	74
EVIA	I		08 25 18.2	E		08 25 38.0	0.02	0.3	80
EROQ	E	=	08 25 31.7	E	=	08 25 57.0			45
EBAN	E		08 25 32.7	E		08 26 03.8	0.01	0.2	63
ETOR	E	=	08 25 34.0	E	=	08 26 01.2			75
GUD				E		08 26 21.0			

15-AGO

HO	LAT	LONG	PRO	RMS	MAG	IO	
082451.6	38 51	-00 33	7	0.3	2.8		ALBAIDA.V

EVIA	I		06 56 08.8						75
EBAN	I		06 56 26.0	E		06 56 40.0	0.03	0.2	60
EALH				E		06 56 47.0	0.01	0.3	
ASMO	I		06 56 35.0	I		06 56 56.5			
AFC	E		06 56 35.3	E		06 56 56.2	0.01	0.2	35

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECHE	E		06 56 35.3						44
ENIJ	E		06 56 38.0	E		06 57 00.1	0.01	0.2	42
AAPN	I	=	06 56 40.0	I	=	06 57 04.0			
APHE	E	*	06 56 42.0						
ALOJ	E	*	06 56 43.0						
GUD	E		06 56 43.6	E		06 57 12.3	0.01	0.3	74
ETOR	E	=	06 56 51.0	E	=	06 57 18.0	0.01	0.3	65

19-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	065607.0	38 42	-02 38		0.5	2.7	POVEDILLA.AB	

ASMO	I		13 03 06.4						
ACHM	I		13 03 06.4						
AFC	I		13 03 06.5						225
CRT	I		13 03 06.7						
APHE	I		13 03 08.2						
ALOJ	I		13 03 08.8						
AAPN	I		13 03 09.4						
ATEJ	I		13 03 09.9						
MAL	I		13 03 16.4	I		13 03 27.0	3.77	0.9	150
EBAN	I		13 03 21.3						215
ENIJ	E		13 03 26.5	E		13 03 44.5	0.38	0.5	195
EHOR	E		13 03 27.9	E		13 03 46.3			240
EPRU	I	=	13 03 28.0	E	=	13 03 44.4			200
SRQ	E		13 03 31.0						150
EJIF	E	=	13 03 33.3	E	=	13 03 54.0	0.43	0.5	190
EVIA	I		13 03 33.9	E		13 03 56.0			250
GIBL	I	*	13 03 36.0						
ALJ	I	*	13 03 37.0						
EALH	E		13 03 37.2	E		13 04 02.0	0.28	0.6	165
CNIL	E		13 03 37.4						145
EMEL	E		13 03 37.5						240
EVAL	I		13 03 42.9	E		13 04 12.4	0.13	0.4	195
PAB	I	*	13 03 44.5						320
TOL	E		13 03 48.0				0.29	0.9	
ACU	E		13 03 51.0	E		13 04 26.3	0.06	0.4	140
ECHE	E		13 03 54.4	E		13 04 32.0	0.19	0.6	200
EPLA	E		13 03 57.6	E		13 04 36.5	0.14	0.4	200
GUD	E		13 03 57.6	E		13 04 37.6	0.14	0.5	240
ETOR	E		13 04 02.9	E		13 04 46.8	0.13	0.4	240
IFR	I	=	13 04 05.0	I	=	13 04 49.5			
MTE	E		13 04 10.0	I		13 04 58.5			
MVO	E		13 04 15.0	I		13 05 08.0			
COI	E		13 04 15.5	I		13 05 07.0			
EROQ	I		13 04 16.8				0.05	0.5	145
EBR	E		13 04 17.0						
AVE	E		13 04 18.0	E		13 05 12.5			
ECRI	I		13 04 26.0				0.04	0.4	165
PTO	I		13 04 26.5	I		13 05 24.7			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	E		13 04 30.9						
STS	E		13 04 44.1						
TIO	I		13 04 46.5	I	*	13 06 05.0			
MOE	E	*	13 05 02.0						
LIS	E	*	13 05 02.0	E	*	13 05 32.0			
MTH	E	*	13 05 05.0	I	*	13 05 33.0			

20-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	130303.9	37 12	-03 46	2	0.5	3.9	V-VI	CHAUCHINA.GR

CRT	I		16 42 54.0	E		16 42 56.7			
ACHM	I		16 42 54.1						
AFC	I		16 42 54.8						170
ASMO	I		16 42 54.9						
APHE	I		16 42 55.9						
ALOJ	I		16 42 57.3						
ATEJ	I		16 42 57.9						
AAPN	I		16 42 58.2						
MAL	I		16 43 05.0	I		16 43 15.0	1.21	0.8	100
EBAN	I		16 43 09.9	E		16 43 23.4			120
ENIJ	E		16 43 14.0	E		16 43 31.7	0.07	0.3	115
EPRU	E	=	16 43 16.3	E	=	16 43 32.7	0.12	0.6	135
EHOR	E		16 43 16.4	E		16 43 35.0	0.11	0.2	120
SRQ	I		16 43 19.6	E		16 43 41.0			
EJIF	E	=	16 43 22.0	E	=	16 43 43.0	0.09	0.5	125
EVIA	I		16 43 22.1	E		16 43 44.3	0.35	0.6	180
EALH	E	=	16 43 26.6	E	=	16 43 51.5	0.04	0.5	105
EVAL	I		16 43 31.2	E		16 44 00.3	0.03	0.3	110
PAB	I	=	16 43 37.0	I	=	16 44 06.5			210
TOL	E	*	16 43 42.0	E	*	16 44 16.0	0.07	0.9	135
ECHE	E		16 43 42.9	E		16 44 20.9			110
EPLA	I		16 43 46.0	E		16 44 24.3	0.04	0.4	120
GUD	E		16 43 46.3	E		16 44 26.5	0.05	0.5	170
ETOR	E		16 43 51.0	E		16 44 35.5	0.03	0.3	160

20-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	164252.0	37 11	-03 44	2	0.3	3.4	IV	CHAUCHINA.GR

MAL	I		15 25 03.0	I		15 25 11.5	0.15	0.3	27
ATEJ	I		15 25 05.0	I		15 25 15.0			
ALOJ	I		15 25 06.5	I		15 25 18.2			
APHE	I		15 25 07.0	E		15 25 21.0			
ACHM	I		15 25 07.7	I		15 25 20.5			
EPRU	E		15 25 08.0	E		15 25 20.0	0.01	0.2	35
AAPN	I		15 25 08.2	I		15 25 19.0			
ASMO	I		15 25 10.1	I		15 25 25.0			
AFC	E		15 25 10.6	E		15 25 25.5	0.01	0.2	43

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EHOR	I		15 25 14.7	E		15 25 32.7	0.01	0.2	
EBAN	I		15 25 18.3	E		15 25 38.5	0.03	0.2	52
EVIA	E		15 25 30.0	E		15 25 59.3	0.02	0.2	50

22-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	152451.3	36 37	-04 28	90	0.7	2.9		TORREMOLINOS

SRQ	I		17 37 26.0	E		17 37 33.0			65
EJIF	E		17 37 28.8	E		17 37 37.0	0.03	0.2	70
OJEN	I		17 37 29.0						60
MAL	E		17 37 30.0	I		17 37 40.0	0.26	0.3	33
PLAT	I		17 37 32.5	E		17 37 43.0			52
ATEJ	I	=	17 37 34.0	E	=	17 37 48.0			
EPRU	E	=	17 37 35.5	E	=	17 37 46.5	0.05	0.8	52
APHE	I	=	17 37 37.0	E	=	17 37 53.0			
ALOJ	I		17 37 37.7						
ACHM	I	*	17 37 39.0						
AAPN	I	*	17 37 43.7	E	*	17 38 04.0			
ASMO	I		17 37 45.5	E	*	17 38 07.2			
EHOR	E		17 37 48.3						
EBAN	E		17 37 54.0				0.01	0.2	60

22-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	173718.7	36 11	-04 50		0.5	2.8		ESTRECHO DE GIBRALTAR

ENIJ	I		10 26 48.7	E		10 26 54.0			110
ALM	E		10 26 51.1	E		10 27 01.0			34
EALH	I		10 26 52.3	E		10 27 01.6	0.16	0.6	97
AFC	E		10 27 01.5	E		10 27 19.2	0.07	0.4	95
CRT	I		10 27 03.5						
EVIA	I		10 27 03.7	E		10 27 21.0	0.17	0.4	105
APHE	I		10 27 04.0	E	*	10 27 27.5			
ASMO	I		10 27 05.5	I		10 27 24.0			
ACHM	I		10 27 06.5	E	*	10 27 29.5			
EBAN	I		10 27 08.0	E		10 27 28.8	0.06	0.3	75
ATEJ	I		10 27 09.0	I	*	10 27 35.5			
AAPN	I		10 27 09.5	I	*	10 27 34.5			
ALOJ	I		10 27 10.0	I	*	10 27 35.0			
MAL	E	*	10 27 15.5				0.17	0.7	56
EHOR	E		10 27 21.0	E		10 27 52.4	0.03	0.4	70
ECHE	E	=	10 27 23.5	E	=	10 27 51.7			70
TOL	E	=	10 27 39.0	I	=	10 28 13.0			80
ETOR	E	=	10 27 44.2	E	=	10 28 24.0	0.02	0.4	98
GUD	E	=	10 27 51.0	E	=	10 28 32.5	0.01	0.4	110

23-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	102640.2	37 23	-01 59	7	0.6	3.2		HUERCAL-OVERA.AL

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MLS			16 21 30.2			16 21 38.0			
OLT			16 21 34.2			16 21 44.8			
VIH			16 21 34.8			16 21 46.7			
ETER	I		16 21 35.2	I		16 21 47.0	0.08	0.2	45
SQD			16 21 36.8			16 21 50.0			
EPF			16 21 39.9		*	16 21 54.8			
FONT			16 21 40.0			16 21 55.2			
MRB			16 21 42.6			16 21 58.4			
AVN			16 21 43.0		*	16 22 01.7			
LPO		=	16 21 55.4		=	16 22 20.4	0.03	0.3	
CAF		=	16 21 57.2		=	16 22 23.5			
EROQ	E	=	16 22 02.3	E	=	16 22 31.0	0.02	0.2	55

23-AGO *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

162119.1 42 50 01 54 0.4 3.3 BELCAIRE.FR

LIS	E		13 40 27.5	I		13 40 46.0			
MTH	I		13 40 30.2	I		13 40 50.5			
EVAL	I		13 40 33.0	E		13 40 56.0	0.27	0.2	190
CNIL	I		13 40 42.8						120
GIBL	I	*	13 40 45.5						
ALJ	E		13 40 45.5						
MOMI	E		13 40 46.5	E		13 41 20.0			100
PLAT	E		13 40 46.8	E		13 41 20.6			
EJIF	E		13 40 48.4	E		13 41 24.0	0.13	0.5	175
COI	I		13 40 49.1	I		13 41 22.7			
EPRU	I		13 40 49.8	E		13 41 24.3	0.05	0.2	210
EHOR	I		13 40 49.9	I		13 41 25.0	0.13	0.3	190
OJEN	E		13 40 50.0						100
SRQ	I		13 40 50.4						160
MTE	I		13 40 53.4	I		13 41 31.6			
EPLA	I		13 40 57.4	E		13 41 39.0			240
MAL	I		13 40 59.8	I	*	13 41 40.0	0.31	0.8	125
RBA				I		13 41 41.0			
PTO			13 41 01.4			13 41 43.5			
AAPN	I		13 41 01.5	I		13 41 45.0			
AVE	I	*	13 41 01.5	I	*	13 41 45.0			
ALOJ	I		13 41 02.0	I		13 41 46.0			
ATEJ	I		13 41 03.4	I		13 41 48.0			
CRT	I	*	13 41 04.5	I		13 41 56.0			
MVO	E		13 41 05.3	I		13 41 52.5			
ACHM	I		13 41 05.5	I		13 41 51.0			
ASMO	I		13 41 06.0	I		13 41 52.7			
EBAN	I		13 41 06.2	E		13 41 54.6	0.07	0.2	200
APHE	I		13 41 07.0	I	*	13 41 53.0			
PAB	I		13 41 07.0	I		13 41 55.5			280
AFC	I		13 41 08.3	E		13 41 57.8	0.04	0.2	170
TOL	I		13 41 12.0	I		13 42 05.0	0.21	1.1	220

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
IFR	I	*	13 41 12.5	I	*	13 42 04.0			
EZAM	I		13 41 14.7	E		13 42 09.0	0.07	0.2	135
GUD	I		13 41 17.0	E		13 42 14.0	0.06	0.2	255
ERUA	I		13 41 20.5	E		13 42 19.8	0.05	0.2	165
EVIA	I		13 41 20.5	E		13 42 20.2	0.06	0.2	235
ENIJ	E		13 41 23.0	E		13 42 23.3			165
STS	E		13 41 24.6	E		13 42 26.5	0.03	0.2	165
EALH	E		13 41 31.2	E		13 42 39.0			
TIO	I	*	13 41 33.0	I	*	13 42 40.0			
EMON	E		13 41 34.4	E		13 42 43.0	0.05	0.2	210
ETOR	I		13 41 36.7	E		13 42 47.7	0.05	0.4	255
ECHE	E		13 41 40.5	E		13 42 55.0			230
ACU	E		13 41 42.6	E		13 42 58.3			120
ECRI	E		13 41 48.8	E		13 43 08.2	0.02	0.2	185
EROQ	E		13 42 01.5	E		13 43 28.7			200

24-AGO HO LAT LONG PRO RMS MAG IO
134002.6 37 17 -09 01 10 0.4 4.1 III-IV W. ALJEZUR

MTH	E		05 01 48.2	I		05 02 12.1			
EVAL	E		05 01 53.3	E		05 02 21.0	0.01	0.2	60
EPRU	E	=	05 02 09.2	E	=	05 02 49.0			72
EHOR	E		05 02 09.5	E		05 02 50.0	0.01	0.2	72
EPLA	E		05 02 17.6	E		05 03 06.0			70
EBAN	E		05 02 26.2	E		05 03 19.5	0.01	0.2	80
GUD	E		05 02 37.6	E		05 03 42.3	0.01	0.2	90
EVIA	E		05 02 40.8	E		05 03 46.0			80
TIO	I		05 02 42.0	I		05 03 47.0			
ETOR	E		05 02 57.6				0.01	0.2	

25-AGO HO LAT LONG PRO RMS MAG IO
050113.6 36 42 -09 45 32 0.5 3.3 SW. CABO S.VICENTE

EPRU	I		21 31 06.8	E		21 31 11.0	0.03	0.2	52
EJIF	E		21 31 08.5	E		21 31 12.3	0.04	0.2	49
SRQ	E		21 31 11.0	E		21 31 17.0			52
GIBL	E	*	21 31 15.5						
MAL				I		21 31 24.4			
ALOJ	I		21 31 20.5						
ATEJ	I		21 31 21.0						
EHOR	E		21 31 23.5	E		21 31 38.8	0.01	0.3	38
AAPN	I	*	21 31 24.1	E	*	21 31 42.0			
APHE	E		21 31 24.2						
ACHM	E	*	21 31 26.2						
ASMO	E	*	21 31 29.0						

25-AGO HO LAT LONG PRO RMS MAG IO
213102.6 36 42 -05 15 7 0.5 2.5 BENAOJAN.MA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACU	I		14 23 18.0	I		14 23 23.0	0.04	0.3	40
VIV	E		14 23 26.0	E		14 23 35.5			
ECHE	E		14 23 31.2	E		14 23 44.7	0.02	0.2	50
EVIA	E		14 23 36.4	E		14 23 53.5	0.02	0.2	63
EBAN	E	=	14 23 57.0	E	=	14 24 25.8			

26-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	142312.4	38 35	-00 49	5	0.3	2.7		SAX.A

ENIJ	E		15 45 53.3	E		15 45 57.5	0.09	0.3	41
AFC	E		15 46 05.5	E		15 46 18.6			35
EALH	E		15 46 06.0	E		15 46 19.0	0.02	0.4	
EVIA	E		15 46 13.0	E		15 46 32.0	0.02	0.4	41
EBAN	E		15 46 14.0	E		15 46 32.8	.0.01	0.2	39

26-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	154548.2	37 14	-02 21	6	0.2	2.7		SENES.AL

IFR	I		08 16 40.0	I	*	08 16 54.0			
RBA	I		08 16 53.5	I		08 17 14.5			
EMEL	I		08 16 57.2	E		08 17 20.0			110
OJEN	E		08 16 58.2						
PLAT	E		08 16 59.0						
SRQ	E		08 16 59.8						
EJIF	E		08 17 01.0				0.05	0.5	185
MAL	I		08 17 04.7	I	*	08 17 38.0	0.09	0.8	86
AVE	I	*	08 17 07.0	I	*	08 17 42.0			
ATEJ	I		08 17 07.4						
EPRU	E		08 17 08.0				0.05	0.8	170
APHE	I		08 17 09.5						
ALOJ	I		08 17 10.7						
ACHM	I		08 17 12.0						
AAPN	I		08 17 14.5						
AFC	E		08 17 15.5	E		08 17 52.2			117
CRT	E	*	08 17 17.0						
ASMO	I		08 17 17.0						
ENIJ	E		08 17 19.3	E		08 17 58.0	0.03	0.4	115
TIO	I		08 17 25.0	I		08 18 09.0			
TOL	E	*	08 17 38.0	E		08 18 50.0			180

27-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	081626.0	34 16	-04 52	10	0.7	3.3		NE. FES.MAC

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
OGE			11 27 13.0			11 27 15.5			
ESCF			11 27 14.9			11 27 18.5			
ISSF			11 27 18.1			11 27 24.0			
EPF			11 27 19.8			11 27 27.6			
AVN		*	11 27 40.3		*	11 28 02.8			
ECRI	E	=	11 27 43.0	E	=	11 28 04.8	0.02	0.2	65
LPO			11 27 43.0			11 28 08.0	0.05	0.4	
LFF			11 27 44.4			11 28 08.5	0.04	0.4	
CAF		=	11 27 55.6	E	=	11 28 25.6	0.01	0.4	
MRB		*	11 27 53.1		*	11 28 23.2			
OLT		*	11 27 53.1		*	11 28 25.9			
EROQ	E	=	11 27 57.0	E	=	11 28 25.6	0.02	0.3	65
EBR	E	*	11 28 00.0	E	*	11 28 32.0			
GUD				E		11 28 54.5			

27-AGO *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

112711.5 43 09 -00 18 0.4 3.2 NAY.FR

ALM	I		14 02 19.2	I		14 02 23.5			37
ENIJ	I		14 02 23.0	E		14 02 28.0	0.11	0.2	66
APHE	I		14 02 34.0	I		14 02 47.0			
AFC	E		14 02 34.8	E		14 02 48.0	0.01	0.2	38
ACHM	E		14 02 37.5						
ATEJ	I		14 02 38.0	E	*	14 02 53.0			
ASMO	E		14 02 38.5						
ALOJ	E		14 02 41.0						
AAPN	E	*	14 02 45.0						
EBAN	E	=	14 02 50.0	E	=	14 03 13.3			46

27-AGO *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

140216.1 36 40 -02 29 9 0.6 2.9 GOLFO DE ALMERIA

ENIJ	I		17 33 33.0	E		17 33 38.0	0.06	0.2	56
APHE	I		17 33 44.5	E		17 33 57.5			
AFC	E		17 33 45.0	E		17 33 58.7	0.01	0.2	38
ASMO	E		17 33 49.0						
ATEJ	E		17 33 49.5	E	*	17 34 03.5			
ALOJ	E	*	17 33 53.0						
AAPN	E		17 33 53.5						
EVIA	E	=	17 34 04.4	E	=	17 34 29.0			50

27-AGO *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

173327.1 36 43 -02 30 0.4 2.6 GOLFO DE ALMERIA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
APHE	I		19 24 18.1						
ATEJ	I		19 24 20.0	I	*	19 24 27.0			
ACHM	I		19 24 21.5	E	*	19 24 26.0			
CRT	I		19 24 21.5	E		19 24 29.0			
AFC	I		19 24 22.0	E		19 24 30.0	0.05	0.2	63
ALOJ	I		19 24 23.6	I		19 24 34.0			
ASMO	I		19 24 25.0	E		19 24 36.5			
MAL	I		19 24 26.3	I	*	19 24 32.5			
AAPN	I		19 24 27.2						
ENIJ	E		19 24 28.8	E		19 24 41.5	0.01	0.2	75
EBAN	E		19 24 38.4	E		19 24 57.4	0.02	0.3	50
EHOR	E	=	19 24 45.5	E	=	19 25 09.0			52
EVIA	E	=	19 24 49.3	E	=	19 25 14.5	0.02	0.5	62

27-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	192410.8	36 39	-03 22	6	0.6	2.9		S. CABO SACRATIF

ENIJ	I		06 29 15.0						140
ALM	I		06 29 16.7	I		06 29 19.9			95
AFC	E		06 29 31.2	E		06 29 46.6	0.05	0.3	100
CRT	I		06 29 33.0	E	*	06 29 50.0			
APHE	I		06 29 33.0						
EALH	E		06 29 33.2	E		06 29 49.2			90
ACHM	I		06 29 35.0						
ASMO	I		06 29 35.2	E	*	06 29 54.0			
ATEJ	I		06 29 39.0	E		06 29 56.5			
ALOJ	I		06 29 39.0	E	*	06 30 02.5			
AAPN	I		06 29 40.7	E	*	06 30 04.5			
EBAN	E		06 29 42.7	E		06 30 03.8	0.05	0.2	90
EVIA	E	=	06 29 44.8	E	=	06 30 06.2	0.15	0.3	120
MAL	E	*	06 29 50.0	I	*	06 30 08.8	0.09	0.8	50
EHOR	E		06 29 53.8	E		06 30 23.7	0.01	0.3	80
PAB	E	*	06 30 08.0	I		06 30 35.0			130
TOL	I	*	06 30 15.0	I	*	06 30 54.0			120
EPLA	E		06 30 18.0						100
ETOR	E	=	06 30 28.5	E	=	06 31 13.0	0.01	0.4	115
GUD	E	=	06 30 29.0	E	=	06 31 14.2	0.01	0.3	125

28-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	062913.4	36 59	-02 18	3	0.5	3.1		SIERRA ALHAMILLA.AL

CRT	I		16 16 56.0						
ASMO	I		16 16 56.2						
ACHM	I		16 16 56.5						
AFC	I		16 16 56.8	E		16 16 59.0			48
APHE	I		16 16 58.4						
ALOJ	I		16 16 59.5						
AAPN	I		16 17 00.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL				I		16 17 18.0			
ATEJ	I		16 17 00.4						
EBAN	E		16 17 12.4	E		16 17 25.0	0.01	0.2	35
EHOR	E		16 17 19.5	E		16 17 37.4			30
EVIA	E	=	16 17 26.3	E	=	16 17 48.5			52

30-AGO *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

161654.1 37 12 -03 43 0.4 2.6 SANTA FE.GR

ATEJ	I		03 57 36.5	I	*	03 57 41.5			
APHE	I		03 57 36.5						
MAL	I		03 57 38.3	I		03 57 46.5	0.60	0.4	42
ACHM	I		03 57 39.1	I		03 57 48.0			
ALOJ	I		03 57 40.1	I	*	03 57 49.0			
AFC	E		03 57 42.5	E		03 57 52.5	0.02	0.2	57
CRT	E	*	03 57 44.0						
AAPN	I		03 57 44.5						
ENIJ	E		03 57 49.8	E		03 58 07.0	0.03	0.3	56
EMEL	E		03 57 50.6	E		03 58 07.0			30
EJIF	E		03 57 52.0	E		03 58 09.0			45
EPRU	E	=	03 57 52.5	E	=	03 58 10.0			46
EBAN	E		03 57 57.0	E		03 58 18.9	0.01	0.2	60
EHOR	E	=	03 58 02.5	E	=	03 58 25.5			48

31-AGO *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

035726.8 36 26 -03 43 7 0.6 2.9 ALBORAN

BOH			22 00 14.5	E		22 00 17.8			
MADF			22 00 17.0	E		22 00 22.3			
ATE			22 00 18.4	E		22 00 25.0			
ECRI	E		22 00 29.4	E		22 00 44.2	0.05	0.2	40
EPF			22 00 32.3			22 00 48.0			
VIH		=	22 00 40.6		=	22 01 01.3			
AVN			22 00 44.3		*	22 01 11.2			
ETOR						22 01 17.5	0.01	0.3	
LPO		=	22 00 52.7		=	22 01 22.5	0.01	0.3	
LFF		=	22 00 53.2		=	22 01 22.2	0.01	0.3	
MRB		*	22 01 00.7		*	22 01 30.6			
EROQ	E	=	22 01 00.7	E	=	22 01 32.0	0.01	0.3	65

02-SEP *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

220010.9 43 06 -01 17 3 0.5 3.0 IV PIRINEOS

ENIJ	I	16 55 10.3	E	16 55 15.6				45
EALH	E	16 55 14.2	E	16 55 23.7	0.04	0.5		60
AFC	E	16 55 24.8	E	16 55 40.3	0.01	0.2		60
EVIA	E	16 55 26.0	E	16 55 43.0	0.04	0.2		70

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
APHE	I		16 55 26.5						
ASMO	I		16 55 27.5	I		16 55 46.2			
ACHM	I		16 55 28.5	I	*	16 55 51.5			
EBAN	I		16 55 30.0	E		16 55 51.0	0.02	0.2	58
ATEJ	I		16 55 31.2	I	*	16 55 57.7			
ALOJ	I	*	16 55 32.7	I	*	16 55 57.0			
AAPN	I	*	16 55 32.8	I	*	16 55 56.0			
EHOR	E		16 55 42.8	E		16 56 14.4			59
TOL	E	*	16 56 06.0	E	*	16 56 34.0			45

03-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	165502.1	37 22	-02 00	4	0.6	2.8		HUERCAL-OVERA.AL

EALH	I		06 54 07.8	E		06 54 10.0			110
ENIJ	E		06 54 22.3	E		06 54 34.8	0.06	0.3	
ALM	E	=	06 54 22.9	E	=	06 54 39.1			
ACU	E		06 54 26.2	E		06 54 42.3	0.08	0.7	85
EVIA	E		06 54 27.2	E		06 54 43.3			140
CRT	I	*	06 54 37.0	E	*	06 55 06.0			
AFC	E	=	06 54 37.8	E	=	06 54 59.8			
ASMO	I	*	06 54 38.5	E	*	06 55 05.0			
APHE	I	*	06 54 40.5						
AAPN	I	*	06 54 42.4	E	*	06 55 15.2			
ECHE	E	=	06 54 43.0	E	=	06 55 06.8	0.04	0.3	120
ALOJ	I	*	06 54 43.5						
ATEJ	I	*	06 54 44.2						
TOL	E	*	06 54 46.0	E		06 55 26.0	0.07	1.1	100
ETOR	E	=	06 55 02.8	E	=	06 55 39.8	0.02	0.4	135
GUD	E	=	06 55 10.1	E	=	06 55 51.5	0.02	0.3	135

06-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	065405.1	37 43	-01 30	2	0.2	3.2	III	TOTANA.MU

ERUA	I		09 05 27.3	I		09 05 34.6	0.09	0.2	55
EZAM	I		09 05 29.3	I		09 05 38.0	0.07	0.2	55
STS	I		09 05 29.8	I		09 05 39.0	0.05	0.2	62
EPLA	E		09 05 59.5	E		09 06 31.5			
GUD	E		09 06 08.0	E		09 06 47.0			

07-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	090517.1	42 24	-07 53	7	0.2	2.9		COLES.OR

ECHE	I		12 46 18.8	E		12 46 26.6	0.04	0.5	100
VIV	E		12 46 21.0						
ACU	E		12 46 27.0	E		12 46 40.0	0.01	0.5	55

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EROQ	E		12 46 34.0	E		12 46 52.4			60
EVIA	E		12 46 40.3	E		12 47 05.5	0.02	0.7	100
ETOR	E	=	12 46 44.7	E	=	12 47 09.0	0.01	0.5	95

07-SEP *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

124608.5 39 29 -00 15 3 0.3 2.5 II VALENCIA

FAR				I		17 28 26.5			
FIG	E		17 28 11.0	I		17 28 29.5			
LIS				I		17 28 41.9			
EPRU	E		17 28 38.8	E		17 29 18.0	0.01	0.2	135
AVE	I		17 28 40.0	I		17 29 21.0			
EHOR	E		17 28 40.3	E		17 29 21.7	0.02	0.2	135
MTE	E		17 28 45.2	E		17 29 30.0			
MAL	E		17 28 48.5	I		17 29 36.3			
EPLA	E		17 28 49.8	E		17 29 39.0	0.03	0.2	125
AAPN	I		17 28 51.0	E		17 29 40.5			
ALOJ	I		17 28 51.6	E		17 29 40.0			
ATEJ	I		17 28 52.6	E		17 29 42.5			
IFR	I		17 28 54.5	I		17 29 47.0			
APHE	I		17 28 56.2	E		17 29 50.0			
ASMO	E		17 28 56.5	I		17 29 49.0			
EBAN	E		17 28 56.5	E		17 29 51.0	0.04	0.2	
MVO	E		17 28 57.0	I		17 29 50.2			
PAB	I		17 28 58.5						135
GUD	E		17 29 09.5	E		17 30 14.0	0.01	0.2	150
EVIA	E		17 29 11.5	E		17 30 17.8	0.02	0.2	160
TIO	I		17 29 11.5	I		17 30 16.0			
ETOR	E		17 29 29.3	E		17 30 48.0			170

07-SEP *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

172743.9 36 36 -09 48 33 0.8 3.6 SW. CABO S.VICENTE

AFC	I		03 09 04.5	E		03 09 11.5	0.11	0.2	140
ASMO	I		03 09 04.9	E		03 09 12.0			
CRT	I		03 09 07.7	E		03 09 13.5			
EBAN	I		03 09 08.3	I		03 09 16.7	0.12	0.2	120
ACHM	I		03 09 10.0	I		03 09 20.0			
AAPN	I		03 09 10.4	E		03 09 21.5			
APHE	I		03 09 11.0	E		03 09 21.0			
ALOJ	I		03 09 11.9	E		03 09 24.0			
ATEJ	I		03 09 14.1	E		03 09 27.0			
ENIJ	E		03 09 17.8	E		03 09 34.0	0.05	0.4	90
ALM	E		03 09 17.8	E		03 09 30.8			
EVIA	I		03 09 18.5	E		03 09 34.0	0.20	0.2	150
MAL	I		03 09 21.3	I		03 09 37.8	0.27	0.8	65
EHOR	E		03 09 24.0	E		03 09 44.0	0.11	0.2	110
EALH	E		03 09 24.7	E		03 09 44.8	0.03	0.3	80

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPRU	E		03 09 27.0				0.02	0.5	100
PAB	E	*	03 09 33.5						110
TOL	E		03 09 36.0	I	*	03 10 09.0	0.04	0.5	70
EJIF	E	=	03 09 36.5	E	=	03 10 02.7			75
ACU	E		03 09 37.8	E		03 10 07.4			65
ECHE	E		03 09 40.5				0.03	0.4	95
EVAL	E	=	03 09 47.2	E	=	03 10 20.0	0.02	0.3	95
GUD	E	=	03 09 53.0	E	=	03 10 28.8	0.03	0.4	150
EPLA	E	=	03 09 55.8	E	=	03 10 33.5	0.03	0.4	115
ETOR	E	=	03 09 59.4	E	=	03 10 37.8	0.08	0.5	140

08-SEP *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

030857.4 37 40 -03 20 0.5 3.2 HUELMA.J

ACU	I		05 29 27.1	E		05 29 29.5			62
VIV	E		05 29 39.0	E		05 29 50.0			
ECHE	E		05 29 43.0	E		05 29 57.0	0.03	0.3	90
EALH	E		05 29 44.4						65
EVIA	I		05 29 51.8	E		05 30 13.3	0.04	0.7	85
EBAN	E		05 30 06.0	E		05 30 38.8			75
ESEL	E		05 30 08.5						
ASMO	E	*	05 30 12.0						
PAB	E		05 30 13.0						90
AAPN	E		05 30 14.7						
ALOJ	E		05 30 16.0						
GUD	E		05 30 18.5						

08-SEP *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

052924.3 38 40 -00 26 5 0.4 2.9 III ALCOY.A

FIG	I		11 34 45.8	I		11 35 10.0			
LIS				E		11 35 10.0			
EVAL	E		11 34 58.8	E		11 35 32.0	0.02	0.3	
EJIF	E		11 35 13.3						63
EHOR	E		11 35 15.3	E		11 36 02.0			120
EPRU	E		11 35 15.5	E		11 36 01.0			72
MTE	E		11 35 15.5			11 36 01.5			
EPLA	E		11 35 21.0	E		11 36 12.0	0.01	0.2	
ALOJ	I		11 35 27.0						
MVO	E		11 35 27.2	I		11 36 22.2			
ATEJ	I		11 35 28.5	E		11 36 25.0			
EZAM	E		11 35 30.3	E		11 36 30.0	0.01	0.3	
EBAN	E		11 35 31.3	E		11 36 31.5	0.01	0.2	
ASMO	E		11 35 32.0						
APHE	I		11 35 32.2						
AFC	E		11 35 33.2	E		11 36 34.3			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
GUD	E		11 35 41.3	E		11 36 48.0			
EVIA	E		11 35 46.0	E		11 36 58.0			
ETOR	E		11 36 01.5	E		11 37 23.6			

08-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
	113413.2	37 01	-10 15		0.6	3.3	ATLANTICO

EPRU	I		10 45 54.2	E		10 45 59.0	0.04	0.2	60
EJIF	E		10 46 01.6	E		10 46 10.7	0.02	0.3	70
SRQ	E		10 46 06.0	E		10 46 16.0			60
EHOR	E		10 46 05.7	E		10 46 16.6	0.03	0.3	52
MAL	I		10 46 09.0	I	*	10 46 24.5	0.04	0.7	33
EVAL	E		10 46 10.6	E		10 46 26.6	0.02	0.3	45
ALOJ	I		10 46 11.7	E		10 46 28.0			
AAPN	I		10 46 12.0	E		10 46 29.0			
ATEJ	I		10 46 13.1	E		10 46 31.5			
ACHM	E		10 46 16.2						
ASMO	E		10 46 17.0	E	*	10 46 39.0			
APHE	I		10 46 17.6						
AFC	E		10 46 18.6	E		10 46 40.4			50
EBAN	E		10 46 22.3	E		10 46 44.3	0.01	0.3	50

09-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
	104551.0	37 03	-05 33		0.5	2.7	MONTELLANO.SE

MRB			15 49 04.3						37
FONT			15 49 11.0			15 49 17.0			37
SQD			15 49 14.5						37
AVN			15 49 21.2			15 49 35.7			37
ETER	E		15 49 22.2	E		15 49 36.0	0.01	0.2	37
VIH			15 49 28.7		*	15 49 49.4			37
EROQ	E		15 49 29.0	E		15 49 47.7	0.01	0.3	48
MLS		=	15 49 32.2		=	15 49 53.5			
EPF		=	15 49 38.1		=	15 50 03.2	0.02	0.3	
CAF			15 49 56.8						

09-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
	154903.6	41 31	01 59		0.4	2.7	RUBI.B

CNS	I		16 58 57.0	I		16 59 15.0			
ABA	E		16 59 18.0	I	*	17 00 00.0			
ESEL	I		16 59 49.0	E		17 00 47.5	0.07	0.6	115
ACU	E		17 00 01.7	E		17 01 08.7	0.03	0.8	135
EALH	E		17 00 07.2						
ENIJ	E		17 00 10.5	E		17 01 26.0			140
EROQ	I		17 00 15.5	E		17 01 34.0			155
EVIA	E		17 00 22.7				0.02	0.6	175

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBR	E	=	17 00 23.0	E	=	17 01 42.0			
CVF			17 00 24.0		*	17 01 42.6	0.01	0.4	
AVN			17 00 26.2						
AFC	E		17 00 27.0						160
APHE	I		17 00 27.5						
LMR			17 00 30.3		*	17 01 52.2			
ASMO	I		17 00 31.0						
LRG			17 00 31.8		*	17 01 55.8			
ALOJ	I		17 00 34.0						
AAPN	I		17 00 34.5						
VIH			17 00 36.1						
IFR	I		17 00 47.0						

09-SEP

HO	LAT	LONG	PRO	RMS	MAG	IO	
165832.0	35 09	05 53	4	0.8	4.0		SW. BATNA.ARG

MAL	I	10 27 26.0	I	10 27 34.8	0.29	0.5	58
ATEJ	I	10 27 28.5	E	10 27 40.0			
APHE	I	10 27 30.6	E	10 27 42.5			
ALOJ	I	10 27 31.2	I	10 27 44.5			
EJIF	E	10 27 32.5	E	10 27 45.0	0.07	0.4	65
EPRU	I	10 27 32.8	E	10 27 45.0	0.01	0.3	80
AAPN	I	10 27 33.9	I	10 27 47.5			
ASMO	I	10 27 35.4	E	10 27 51.0			
AFC	I	10 27 35.4	E	10 27 50.3	0.03	0.4	75
EHOR	I	10 27 40.5	E	10 28 00.8	0.02	0.2	
ENIJ	E	10 27 44.0	E	10 28 06.0			75
EBAN	I	10 27 44.0	E	10 28 05.5	0.03	0.2	90
EVAL	I	10 27 48.4	E	10 28 15.0	0.01	0.3	75
EVIA	E	10 27 56.0	E	10 28 26.4	0.02	0.2	75
IFR	I	10 27 57.5	I	10 28 29.5			
EPLA	E	10 28 11.8	E	10 28 54.5			
GUD	E	10 28 16.8	E	10 29 01.5			
TIO	I	10 28 39.0	I	10 29 42.5			

10-SEP

HO	LAT	LONG	PRO	RMS	MAG	IO	
102713.6	36 21	-04 25	90	0.8	3.0		ALBORAN

ECHE	I	10 41 05.3	E	10 41 13.0	0.03	0.5	85
VIV		10 41 07.5	E	10 41 17.0			
ACU	I	10 41 13.6					60
EROQ	I	10 41 20.6	E	10 41 39.5	0.01	0.3	

13-SEP

HO	LAT	LONG	PRO	RMS	MAG	IO	
104055.8	39 29	-00 18	9	0.3	2.4	II	VALENCIA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACU	I		03 52 22.0	E		03 52 27.2	0.09	0.5	65
EALH	E		03 52 26.2	E		03 52 35.0	0.06	0.5	100
ECHE	E		03 52 37.0	E		03 52 54.0	0.03	0.5	70
EVIA	E		03 52 37.8	E		03 52 55.5	0.17	0.8	110
EBAN	E		03 52 51.2						90
AAPN	I	*	03 52 59.0						
ASMO	I	*	03 53 00.0						
APHE	E	*	03 53 00.0						
PAB	E	*	03 53 00.0						90
ALOJ	E	*	03 53 01.0						
ATEJ	E	*	03 53 03.0						
ACHM	E	*	03 53 04.0						
TOL	E	*	03 53 06.0	E	*	03 53 49.0			85
GUD	E	=	03 53 19.0	E	=	03 53 59.0	0.01	0.5	115

14-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	035214.3	38 15	-00 46	19	0.1	2.8		ELCHE.A

ETOR	I		17 24 33.3	E		17 24 35.6			110
ECHE	I		17 24 56.5	E		17 25 15.7	0.02	0.4	80
GUD	I		17 24 59.2	E		17 25 20.0	0.02	0.3	120
ECRI	E	=	17 25 10.0	E	=	17 25 34.0	0.04	0.5	70
PAB	E	*	17 25 12.0	I	*	17 25 43.0			70
EVIA	E	=	17 25 12.7	E	=	17 25 39.4			75

15-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	172431.9	40 44	-02 03	6	0.4	3.0		FUEMBELLIDA.GU

ABA	I		19 48 22.5	I		19 48 38.5			
ACU	E		19 48 44.7	E		19 49 16.5	0.03	0.6	60
ENIJ	E		19 48 53.0	E		19 49 30.0			
ESEL	E		19 48 55.5	E		19 49 34.0			50
ECHE	E		19 49 00.7	E		19 49 44.0			75
EVIA	E		19 49 04.5	E		19 49 50.0	0.01	0.3	
APHE	E		19 49 09.0						
EROQ	E		19 49 10.0	E		19 49 58.5	0.01	0.2	50
ASMO	E		19 49 11.5						
ALOJ	E		19 49 16.0						
AAPN	E		19 49 16.0						

15-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	194803.9	36 33	01 45	5	0.7	3.2		DUPLEIX.ARG

EVAL	E		22 05 07.6	E		22 05 34.4	0.05	0.2	122
LIS				E		22 05 37.0			
EJIF	E		22 05 16.3	E		22 05 50.5	0.01	0.4	
EPRU	E		22 05 19.3	E		22 05 55.8			112

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AVE	I		22 05 21.5	I		22 05 56.0			
EHOR	E		22 05 22.2				0.01	0.2	
ALOJ	I		22 05 32.0	E		22 06 18.0			
ATEJ	I		22 05 32.6	E		22 06 19.0			
AAPN	I		22 05 33.2	E		22 06 18.0			
IFR	I		22 05 34.0	I	*	22 06 17.0			
ACHM	E		22 05 35.7						
APHE	I		22 05 36.7						
EPLA	E		22 05 37.4	E		22 06 25.6	0.01	0.4	120
ASMO	E	*	22 05 38.5						
EBAN	E		22 05 38.7	E		22 06 30.0	0.01	0.2	120
AFC	E		22 05 39.4	E		22 06 30.0			105
TIO	I		22 05 51.0	I	*	22 06 49.5			
EVIA	E		22 05 53.6	E		22 06 56.5			
GUD	E		22 05 55.5	E		22 06 59.5	0.01	0.3	160
ETOR	E		22 06 14.0						
MVO	E	*	22 06 40.0	I	*	22 07 13.5			
MTE	E	*	22 06 41.0	E	*	22 07 30.2			

16-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	220431.2	36 16	-09 09	25	0.7	3.2		ATLANTICO

ECHE	I		13 06 47.6	E		13 06 53.5	0.02	0.2	45
VIV	E		13 06 54.0	E		13 07 05.5			
EROQ	E		13 06 59.8	I		13 07 15.4	0.04	0.2	48
EBR				E		13 07 16.0			
ETOR	E		13 07 02.4	E		13 07 20.4	0.04	0.6	65

18-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	130638.7	40 01	-00 40		0.3	2.8		BARRACAS.CS

ACU	E		12 34 38.7	E		12 34 45.0	0.03	0.4	40
VIV	E		12 34 39.7	E		12 34 47.5			
ECHE	E		12 34 46.0	E		12 34 56.5	0.01	0.2	70
EALH	E		12 34 50.0	E		12 35 03.0			
EVIA	E		12 34 53.0	E		12 35 10.5	0.04	0.3	60
EBAN	E		12 35 07.0						
GUD	E		12 35 18.5	E		12 35 55.2			

19-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	123430.6	38 47	-00 52	10	0.5	2.6		FUENTE LA HIGUERA.V

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECHE	I		13 55 05.5	E		13 55 11.6	0.01	0.2	40
VIV	E		13 55 12.0	E		13 55 23.5			
EROQ	E		13 55 17.9	E		13 55 33.0	0.02	0.2	40
EBR				E		13 55 34.0			
ETOR	E		13 55 20.4	E		13 55 37.8	0.01	0.3	50
GUD	E		13 55 40.3	E		13 56 12.4			

19-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	135456.7	40 01	-00 39	7	0.3	2.6		BARRACAS.CS

CNS	I		06 34 34.0	I	*	06 34 49.0			
ABA	E	*	06 35 02.5	I		06 35 24.5			
ESEL	I		06 35 22.7	E		06 36 07.0			85
ACU	E		06 35 41.8						
ECHE	E		06 35 53.3						
CVF			06 35 54.2			06 37 06.6	0.02	0.5	
LMR						06 37 14.5			
LRG			06 36 01.3			06 37 16.6			
FRF						06 37 20.4			
SBF						06 37 28.0			
EVIA	E		06 36 04.0						
EPF			06 36 16.2						

22-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	063422.8	36 30	05 57		0.8			FEDI MZALA.ARG

TIO	I		23 44 43.0								
AVE	I	=	23 45 06.5	I	=	23 45 30.5					
RBA	E		23 45 15.5	I	*	23 45 57.0					
IFR	I		23 45 18.5	I	*	23 46 03.0					
EJIF	E	=	23 45 53.0	E	=	23 46 52.5					110
TAF				E	*	23 47 04.0					
EPRU	E	=	23 46 00.2	E	=	23 47 05.0					115
EVAL	I		23 46 03.5	E		23 47 10.5	0.03	0.2			125
EHOR	E		23 46 10.0								120
EBAN	I		23 46 20.4	E		23 47 39.6	0.01	0.2			135
EVIA	E		23 46 33.3								
EPLA	E		23 46 38.8	E		23 48 11.0					145
GUD	E		23 46 50.5	E		23 48 32.6					170
ETOR	E		23 47 00.6								

22-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	234432.5	31 25	-07 36		0.8	3.8		GRAN ATLAS.MAC

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EALH	I		01 20 19.6	E		01 20 27.0	0.04	0.4	70
ACU	I		01 20 21.4	E		01 20 30.5	0.02	0.4	50
VIV	E		01 20 27.7	E		01 20 40.7			
EVIA	I		01 20 31.0	E		01 20 45.7	0.14	0.7	85
ECHE	E		01 20 33.8	E		01 20 50.0			75
ENIJ	E		01 20 36.5	E		01 20 55.3			
EBAN	E		01 20 43.5	E		01 21 09.0	0.01	0.2	70
AFC	E	=	01 20 50.5	E	=	01 21 16.5			70
ASMO	I	*	01 20 51.7	E	*	01 21 22.0			
APHE	E	*	01 20 54.9						
AAPN	E	*	01 20 55.0	E	*	01 21 31.5			
ATEJ	E	*	01 20 58.0						
ALOJ	E	*	01 20 59.0						
PAB	E	*	01 21 01.5	E	*	01 21 39.0			70
TOL	E	*	01 21 02.0	E	*	01 21 36.0			70
GUD	E	=	01 21 15.0	E	=	01 21 53.0			80

23-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	012010.5	38 17	-01 08	13	0.4	2.6		SIERRA DE LA PILA.MU

ECHE	I		11 22 22.5	E		11 22 30.2	0.04	0.6	75
VIV	E		11 22 24.7	E		11 22 34.0			
ACU	E		11 22 31.0						40
EROQ	I		11 22 37.8						50
ETOR	E	=	11 22 48.3	E	=	11 23 12.5			75

23-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	112212.5	39 29	-00 16		0.4	2.4	II	VALENCIA

ALM	I		02 16 18.2	I		02 16 26.5			69
ENIJ	I		02 16 22.5	E		02 16 34.3	0.12	0.2	90
AFC	E		02 16 23.0	E		02 16 34.3	0.04	0.2	105
EMEL	E		02 16 31.0	E		02 16 48.5			65
EBAN	E		02 16 39.3	E		02 17 01.6	0.03	0.3	80
EPRU	E		02 16 40.4	E		02 17 02.3			105
EJIF	E		02 16 41.5						90
EALH	E	=	02 16 42.0	E	=	02 17 06.0			
EVIA	I	=	02 16 48.5	E	=	02 17 15.0	0.04	0.5	100
EHOR	E	=	02 16 50.0	E	=	02 17 17.0	0.01	0.3	95
PAB	E	*	02 17 01.0						90
TOL	E	*	02 17 15.0	E	*	02 17 59.0			100
GUD	E	=	02 17 29.0	E	=	02 18 17.0			105

24-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	021608.6	36 33	-03 03		0.5	3.1		ALBORAN

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EALH	E		22 41 07.0	E		22 41 14.0	0.02	0.2	38
ACU	I		22 41 09.2	E		22 41 18.0			35
VIV	E		22 41 14.8	E		22 41 28.0			
EVIA	I		22 41 18.6	E		22 41 33.3	0.03	0.2	55
ECHE	E		22 41 21.0	E		22 41 37.5			53
GUD	E	=	22 42 01.3	E	=	22 42 40.0			

25-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	224058.0	38 18	-01 08	10	0.4	2.4		SIERRA DE LA PILA.MU

EALH	E		08 14 31.5	I		08 14 37.7	0.03	0.2	65
ACU	I		08 14 33.8	E		08 14 42.0			51
VIV	E		08 14 39.3	E		08 14 53.0			
EVIA	I		08 14 43.0	E		08 14 57.3	0.06	0.2	85
ECHE	E		08 14 45.5	E		08 15 02.5	0.01	0.2	70
ENIJ	E		08 14 48.0						
EBAN	E		08 14 55.6	E		08 15 21.5	0.01	0.2	70
ASMO	E	*	08 15 03.0	E	*	08 15 33.5			
AFC	E	=	08 15 05.3	E	=	08 15 31.0			
APHE	E	*	08 15 06.5						
ATEJ	E	*	08 15 10.2						
PAB	E	*	08 15 14.5	E	*	08 15 50.5			50
GUD	E		08 15 13.0	E		08 15 50.0	0.01	0.3	90

27-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	081422.4	38 17	-01 09	13	0.4	2.9		SIERRA DE LA PILA.MU

AFC	E		13 40 16.2				0.01	0.2	40
MAL	I		13 40 19.3	I		13 40 27.8	0.13	0.3	25
ENIJ	E		13 40 29.0	E		13 40 44.5	0.01	0.3	45
EBAN	E		13 40 34.0	E		13 40 52.8			50

27-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	134008.1	36 47	-03 37		0.7	2.5		MOLVIZAR.GR

EVIA	E		21 29 45.5	E		21 29 58.4	0.02	0.2	40
ETOR	E		21 29 52.5	E		21 30 10.0	0.01	0.3	45
ECHE	E		21 29 54.0	E		21 30 12.5			40
GUD	E		21 29 55.0	E		21 30 14.0	0.01	0.2	40
EBAN	E		21 29 57.2	E		21 30 17.7	0.01	0.2	40

27-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	212928.1	39 36	-02 47		0.6	2.8		BELMONTE.CU

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EROQ	E		03 56 41.2	E		03 56 50.8	0.09	0.2	75
EBR	E		03 56 41.5	E		03 56 51.0			
ECHE	E		03 56 53.4	E		03 57 11.6	0.01	0.3	90
MRB			03 56 57.4						
AVN		*	03 57 00.0						
ETOR	E	=	03 57 08.0	E	=	03 57 35.4	0.01	0.3	
GUD				E		03 58 10.0			
OLT		*	03 57 13.0						

28-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	035628.3	40 08	00 42	2	0.4	2.8		N.ISLAS COLUMBRETES

TOL	E		12 43 58.0	I		12 44 05.0	0.21	0.2	
GUD	I		12 44 03.8	E		12 44 13.7			140
PAB	I		12 44 06.0	I		12 44 17.0			80
ETOR	E		12 44 15.4	E		12 44 33.6	0.08	0.4	110
EVIA	E		12 44 19.0	E		12 44 41.0	0.06	0.5	120
EPLA	E	=	12 44 26.0	E	=	12 44 51.3	0.02	0.5	80
EBAN	E	=	12 44 26.8	E	=	12 44 51.2	0.02	0.4	70
ECHE	E	=	12 44 31.7	E	=	12 44 57.0	0.02	0.3	90

28-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	124350.7	40 05	-03 32		0.3	3.0		ARANJUEZ.M

LIS	I		00 49 15.8	I		00 49 56.3			
FAR					*	00 50 14.8			
FIG	E	=	00 49 28.5	I	=	00 50 17.5			
COI	E		00 49 32.8	I	*	00 50 27.7			
EVAL	E		00 49 38.5	E		00 50 35.0	0.08	0.3	150
PTO	E		00 49 38.7	E		00 50 36.5			
MTE	I		00 49 41.7	I		00 50 42.5			
AVE	I	*	00 49 48.0	I	*	00 50 53.5			
EZAM	E		00 49 48.5	E		00 50 52.5	0.02	0.3	
MVO	I		00 49 52.0	I		00 50 58.5			
EJIF	E		00 49 54.0	E		00 51 03.8			160
EHOR	E		00 49 54.2	E		00 51 04.5	0.04	0.3	175
EPRU	E		00 49 55.5	E		00 51 05.0			160
STS	E		00 49 58.5	E		00 51 09.7	0.02	0.2	130
ERUA	E		00 50 02.4	E		00 51 18.0	0.01	0.2	130
MAL	E		00 50 05.0	I		00 51 22.3	0.06	0.6	115
AAPN	E		00 50 07.5	E	*	00 51 23.2			
PAB	E		00 50 08.0	E		00 51 27.0			180
ALOJ	E		00 50 08.4	I		00 51 25.9			
IFR	I	*	00 50 08.5	I	*	00 51 27.5			
ATEJ	E		00 50 08.7	I	*	00 51 25.5			
EBAN	E		00 50 10.0	E		00 51 31.6	0.03	0.2	175
ASMO	E		00 50 11.1	E	*	00 51 28.9			
EMON	E		00 50 11.7	E		00 51 33.0	0.04	0.3	150

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TOL	E		00 50 12.0	E		00 51 35.0	0.04	0.3	160
ACHM	E	*	00 50 12.7						
APHE	E		00 50 12.8						
AFC	E		00 50 13.2	E		00 51 38.3			160
GUD	E		00 50 15.0	E		00 51 39.7	0.02	0.4	200
EVIA	E		00 50 24.5	E		00 51 58.0	0.02	0.4	210
ETOR	E		00 50 36.0	E		00 52 18.0			205

30-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
	004821.8	37 22	-13 12		0.6	3.8		ATLANTICO

TOL	I		13 05 19.0	I		13 05 25.0			70
GUD	I		13 05 23.8	E		13 05 33.8	0.03	0.3	130
PAB	I		13 05 25.5	I		13 05 36.5			85
ETOR	I		13 05 35.6	E		13 05 54.4	0.08	0.3	115
EVIA	E		13 05 39.1	E		13 06 01.3	0.06	0.3	150
EPLA	E	=	13 05 46.2	E	=	13 06 10.5	0.02	0.5	80
EBAN	E	=	13 05 46.8	E	=	13 06 11.0	0.02	0.4	
ECHE	E	=	13 05 49.8	E	=	13 06 15.3	0.02	0.3	95
EROQ	E	=	13 06 11.4	E	=	13 06 48.3	0.02	0.2	90

04-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	130510.9	40 05	-03 34		0.3	3.1		ARANJUEZ.M

EMEL	I		20 57 43.3	E		20 57 54.2			70
ATEJ	E		20 57 51.8						
MAL	E		20 57 52.0	I		20 58 09.0	0.11	0.6	85
SRQ	I	=	20 57 52.5	E	=	20 58 10.8			
APHE	I		20 57 52.6	I	*	20 58 13.2			
ACHM	I		20 57 55.2						
ALOJ	E		20 57 55.2	E	*	20 58 17.3			
OJEN	E		20 57 56.5						
EJIF	E		20 57 56.8	E		20 58 18.0	0.02	0.3	115
AFC	E		20 57 58.5						90
ASMO	E		20 58 00.1						
EPRU	E		20 58 01.0				0.02	0.5	115
ENIJ				E		20 58 23.5	0.02	0.3	
GIBL	E		20 58 04.0						
TAF	I	*	20 58 06.0						
IFR	I		20 58 08.5	I	*	20 58 31.0			
EHOR	E	=	20 58 13.8	E	=	20 58 43.2			62
EBAN	E	=	20 58 17.0	E	=	20 58 48.0			82
EVAL				E		20 58 54.0			

04-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	205730.0	35 38	-03 47	7	0.7	2.9		N. ALHUCEMAS

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EMEL	I		00 42 25.3	E		00 42 36.0			
MAL	I		00 42 32.0	I		00 42 52.0	0.33	0.8	320
ATEJ	I		00 42 33.3						
SRQ	I		00 42 33.5	E		00 42 52.5			
APHE	I		00 42 34.5						
OJEN	I		00 42 36.5						
EJIF	E		00 42 36.9	E		00 42 58.0			
ACHM	I		00 42 37.2						
ALOJ	I		00 42 37.4						
ALM	I		00 42 39.2	I		00 43 03.5			230
CRT	I		00 42 39.7	E	*	00 43 11.0			
PLAT	I		00 42 40.5						
AFC	E		00 42 40.8	E		00 43 02.8	0.29	0.4	
AAPN	I		00 42 41.3	E	*	00 43 09.7			
ASMO	I		00 42 42.1						
ENIJ	E		00 42 42.2	E		00 43 05.8			
EPRU	E		00 42 42.4	E		00 43 04.5			
IFR	I		00 42 46.5	I		00 43 13.0			
TAF	I	*	00 42 47.8	I	*	00 43 12.0			
EHOR	I		00 42 52.0	E		00 43 20.7	0.19	0.3	
EBAN	I		00 42 53.0	E		00 43 24.5	0.16	0.3	
RBA	I		00 42 55.7	I		00 43 29.0			
EALH	E		00 42 58.4	E		00 43 33.5	0.14	0.6	
EVAL	I		00 42 58.7	E		00 43 34.0	0.16	0.4	
EVIA	E		00 43 03.5	E		00 43 42.0	0.42	0.7	
FIG	E		00 43 04.3	I		00 43 46.0			
FAR	E		00 43 05.6	I		00 43 48.3			
AVE	I		00 43 07.0	I	*	00 43 57.0			
ACU	E		00 43 12.5	E		00 43 57.5	0.08	1.0	
PAB	I		00 43 12.5	I	*	00 44 05.0			360
TOL	I		00 43 17.3	I	*	00 43 57.5	0.60	1.1	330
ECHE	E		00 43 21.2	E		00 44 12.0	0.13	0.8	
EPLA	I		00 43 23.8	E		00 44 18.5	0.08	0.5	
GUD	I		00 43 27.6	E		00 44 25.0	0.08	0.5	
LIS	I		00 43 29.2	I		00 44 26.9			
ETOR	E		00 43 32.8	E		00 44 32.7	0.11	0.6	
MTE	I		00 43 33.6	I		00 44 37.0			
COI	E		00 43 38.0	I		00 44 41.3			
MVO	I		00 43 41.5	I		00 44 49.5			
EROQ	E		00 43 44.0						
PTO	I		00 43 48.8	I		00 45 01.1			
ESEL	I		00 43 50.8	E		00 45 06.0			
ERUA	E		00 43 58.0	E		00 45 16.2	0.09	1.0	
EMON	E		00 44 12.0	E		00 45 43.0	0.07	0.9	

05-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	004211.0	35 30	-03 54	11	0.9	4.0		N. ALHUCEMAS

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
SRQ	I		14 44 48.5	E		14 44 50.2			
EJIF	I		14 44 49.0	E		14 44 51.2	0.07	0.2	50
LIJA	E		14 44 57.0						
EPRU	E		14 44 58.0						50
EHOR	E		14 45 13.0	E		14 45 31.3			40

06-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	144446.7	36 21	-05 22	6	0.3	2.5		CASTELLAR.CA

ATE			03 48 21.1	E		03 48 23.2			
MADF			03 48 22.1	E		03 48 24.7			
ISSF			03 48 22.5	E		03 48 25.9			
EPF			03 48 31.8						
VIH			03 48 39.0			03 48 54.5			
ECRI	I		03 48 46.4	E		03 49 06.2	0.12	0.2	60
AVN			03 48 47.1						
LPO			03 48 51.4				0.02	0.3	
MRB			03 48 58.0		*	03 49 31.5			
CAF			03 48 59.6		*	03 49 29.0	0.01	0.3	
ETOR	E		03 49 00.3	E		03 49 32.0	0.02	0.3	100
RJF			03 49 00.5		*	03 49 29.0	0.02	0.3	
OLT		*	03 49 00.6		*	03 49 31.8			
EROQ	E	=	03 49 03.0	E	=	03 49 33.0	0.05	0.2	85
EBR	E	*	03 49 05.0	E	*	03 49 37.0			
ETER	E	=	03 49 10.5	E	=	03 49 42.3	0.02	0.2	60
GUD	E		03 49 15.0	E		03 49 58.0			93

07-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	034818.7	43 11	-00 34		0.3	3.3	III-IV	OLORON-STE.MARIE.FR

EBAN	I		14 36 31.2	E		14 36 40.0	0.03	0.2	60
EHOR	E		14 36 32.6	E		14 36 42.0	0.01	0.2	40
AAPN	E		14 36 39.2	I	*	14 36 59.4			
ASMO	E		14 36 41.2	E		14 36 59.3			
ALOJ	I		14 36 43.1	I		14 37 01.8			
AFC	E		14 36 44.8	E		14 37 03.0	0.01	0.2	35
ATEJ	E		14 36 46.0	E		14 37 07.5			
APHE	E		14 36 47.6	I	*	14 37 10.7			
EVIA	I		14 36 48.3	E		14 37 09.5	0.01	0.2	42
EPLA	I	=	14 37 01.3	E	=	14 37 26.2	0.01	0.3	47
GUD	E	=	14 37 06.0	E	=	14 37 33.6	0.01	0.3	60

07-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	143618.4	38 25	-04 38		0.5	2.7		TORRECAMPO.CO

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EMON	I		07 40 34.4	E		07 40 39.0			83
ERUA	E		07 40 39.0	E		07 40 48.5	0.04	0.2	47
STS	E		07 40 45.0	E		07 40 57.0	0.07	0.2	44
EZAM	E		07 40 52.0	E		07 41 09.0	0.04	0.2	50
MVO	E	*	07 41 06.1	I	*	07 41 27.5			
EPLA	E	=	07 41 19.0	E	=	07 41 55.8			68
MTE	E	=	07 41 21.5	I	=	07 41 53.5			
GUD	E	=	07 41 31.5	E	=	07 42 10.5			80

08-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	074027.1	43 03	-07 18	5	0.4	3.2	IV	CASTROVERDE.LU

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TOL	E		14 15 37.0	E	*	14 15 44.5			70
GUD	I		14 15 42.0	I		14 15 52.0	0.06	0.3	85
PAB	E		14 15 44.0						60
ETOR	E		14 15 54.5	E		14 16 13.0	0.05	0.3	75
EVIA	E		14 15 57.3	E		14 16 19.3	0.04	0.3	85
EPLA	E	=	14 16 05.0	E	=	14 16 29.5			55
EBAN	E	=	14 16 05.4	E	=	14 16 29.5	0.01	0.2	65
ECHE	E	=	14 16 09.0	E	=	14 16 35.5	0.01	0.3	65

11-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	141529.2	40 04	-03 35		0.4	3.1		ARANJUEZ.M

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EZAM	I		11 05 31.2	I		11 05 38.0	0.06	0.2	30
STS	E		11 05 34.2	E		11 05 42.8	0.03	0.2	25
ERUA	E		11 05 34.6	E		11 05 43.6	0.05	0.2	25
EMON	E		11 05 44.0	E		11 06 00.0	0.07	0.2	35
MVO	E		11 05 47.8	I		11 06 05.8			

12-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	110522.0	42 21	-08 04	3	0.3	3.0		CENLLE.OR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		06 33 07.8	I		06 33 21.5	0.62	0.3	51
EJIF	I		06 33 09.6	E		06 33 24.0	0.06	0.2	100
ATEJ			06 33 10.4	I		06 33 27.4			
APHE			06 33 12.7	I		06 33 31.3			
EPRU	I		06 33 13.1	E		06 33 29.5	0.03	0.2	80
ALOJ			06 33 13.5	I	*	06 33 35.4			
ACHM			06 33 14.3						
AAPN			06 33 16.7	I	*	06 33 37.7			
ASMO			06 33 18.5						
AFC	E		06 33 18.5						85
EHOR	I		06 33 21.8	E		06 33 45.6	0.08	0.2	
IFR	I	*	06 33 24.0	I	*	06 33 49.0			
ENIJ	E		06 33 24.7						75
EVAL	I		06 33 26.8	E		06 33 54.5	0.07	0.2	90

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBAN	I		06 33 27.0	E		06 33 54.0	0.09	0.2	110
FIG	E		06 33 34.1	I		06 34 06.0			
FAR						06 34 08.4			
EVIA	I		06 33 38.5	E		06 34 14.3	0.03	0.2	100
AVE	I	*	06 33 39.0	I	*	06 34 16.0			
EPLA	I		06 33 53.2	E		06 34 39.8	0.02	0.2	100
GUD	E		06 33 59.3	E		06 34 50.5			120
MTE	E		06 34 03.5		*	06 35 05.5			
ETOR	E		06 34 06.4	E		06 35 04.0			120

13-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	063250.3	35 59	-04 37	110	0.6	3.4		ALBORAN

MAL	I		14 58 54.0	I	*	14 59 01.0	0.21	0.3	23
ATEJ	I		14 58 55.7						
ALOJ	I		14 58 57.3	E		14 59 10.0			
APHE	E		14 58 57.9						
ACHM	E		14 58 58.3	I		14 59 11.6			
ASMO	I		14 58 59.1	I		14 59 16.2			
AAPN	I		14 58 59.3	I		14 59 12.5			
EJIF	E		14 59 01.0						44
AFC	E		14 59 01.5	E		14 59 15.5	0.01	0.2	45
EHOR	I		14 59 05.7	E		14 59 23.6	0.02	0.2	50
EBAN	I		14 59 09.2	E		14 59 29.0	0.06	0.2	70
EVAL	E		14 59 14.3	E		14 59 38.4	0.01	0.2	70
EVIA	E		14 59 21.0	E		14 59 50.0	0.04	0.2	75
IFR	I	*	14 59 26.5	I	*	15 00 00.0			
ECHE	E		14 59 41.0						
ETOR	E		14 59 49.3						

14-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	145841.4	36 38	-04 28	100	0.7	3.1		E. TORREMOLINOS

COI	E		20 54 36.8	I		20 54 45.1			
LIS	E		20 54 47.0	E	*	20 54 59.3			
MTE	I		20 54 47.0	I		20 55 02.5			
MVO	I		20 54 58.0	I		20 55 22.0			
EPLA	E		20 55 01.0	E		20 55 25.3	0.04	0.2	100
EVAL	E		20 55 08.0	E		20 55 38.7	0.03	0.3	110
FIG	E		20 55 09.5	E		20 55 41.8			
EHOR				E		20 55 55.0	0.06	0.5	130
GUD	E		20 55 22.5	E		20 56 02.4	0.01	0.3	150
EMON				E		20 56 09.2			
EBAN	E		20 55 29.5	E		20 56 15.0	0.01	0.2	125
PAB	E	=	20 55 32.0	I	=	20 56 11.0			
ETOR	E		20 55 44.0						190

17-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	205427.5	39 43	-08 41	12	0.5	3.3		LEIRIA.PORT

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	E		12 02 37.5	I		12 02 43.0			
ATEJ	I		12 02 41.2	E	*	12 02 51.2			
ALOJ	E		12 02 41.5	I		12 02 50.4			
EPRU	I		12 02 41.6	E		12 02 50.0	0.02	0.2	55
AAPN	E		12 02 43.8	I		12 02 54.0			
ACHM	E		12 02 44.7						
APHE	I		12 02 45.1						
EJIF	E		12 02 45.5				0.04	0.4	50
ASMO	E		12 02 47.6	I	*	12 03 01.2			
AFC	E		12 02 48.7	E		12 03 01.0	0.01	0.2	45
EHOR	E		12 02 50.6	E		12 03 05.0	0.05	0.2	55
EBAN	E		12 02 55.5	E		12 03 14.0	0.07	0.2	70

18-OCT

HO	*LAT*	*LONG*	*PRO*	*RMS*	*MAG*	*IO*	
120231.8	*36 47*	*-04 37*	*30*	*0.4*	*3.0*		*PIZARRA.MA*

VIH		02 11 17.6			02 11 20.0				
MLS		02 11 19.9			02 11 22.6				
GRBF		02 11 23.1							
EPF		02 11 24.1							
AVN		02 11 30.1		*	02 11 45.0				
LHE		02 11 35.1							
MRB		02 11 38.9			02 11 56.7				
OLT		02 11 39.0			02 11 57.0				
SQD		02 11 40.0			02 11 59.0				
FONT		02 11 41.7			02 12 00.3				
ETER	I	02 11 42.3	E		02 12 01.0	0.01	0.2	36	
LPO		02 11 47.4				0.01	0.3		
CAF		02 11 52.6							

09-OCT

HO	*LAT*	*LONG*	*PRO*	*RMS*	*MAG*	*IO*	
021114.9	*42 45*	*00 54*	*4*	*0.4*	*2.8*	*III*	*VALL D'ARAN.L*

EMEL	I		22 52 14.7	E		22 52 24.8			140
MAL	I		22 52 21.8	I		22 52 39.6	2.53	0.8	197
ATEJ	I		22 52 22.9						
TAF	I		22 52 23.5	I		22 52 44.0			
APHE	I		22 52 23.9						
OJEN	I		22 52 25.0	E		22 52 45.0			
EJIF	I		22 52 26.4	E		22 52 47.0	0.48	0.5	240
ACHM	E		22 52 26.6						
ALOJ	E		22 52 26.8						
AFC	I		22 52 29.8	E		22 52 52.0	0.16	0.5	220
CRT	I		22 52 29.9						
AAPN	E		22 52 30.5						
ASMO	E		22 52 31.5						
EPRU	E		22 52 31.8	E		22 52 53.5	0.22	0.5	180
ALM	E	*	22 52 32.6	I		22 52 50.5			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CNIL	I		22 52 33.5	E		22 52 57.0			
IFR	I		22 52 36.0	I		22 53 03.0			
EHOR	E		22 52 41.6	E		22 53 11.0	0.13	0.4	215
EBAN	E		22 52 42.4	E		22 53 14.0	0.13	0.5	215
RBA	I		22 52 45.0	I		22 53 17.5			
EVAL	E		22 52 48.0	E		22 53 23.3	0.11	0.4	205
EVIA				E		22 53 29.5	0.20	0.7	290
FIG	I		22 52 54.0	I		22 53 34.0			
AVE	I		22 52 56.0	I		22 53 36.0			
PAB	I		22 53 02.0	E	*	22 53 51.5			200
TOL	I		22 53 06.6	E	*	22 53 59.0	0.16	0.8	160
EPLA	E		22 53 13.3	E		22 54 08.0	0.03	0.4	200
GUD	I		22 53 16.7	E		22 54 14.0	0.07	0.7	245
LIS	I		22 53 18.4	I		22 54 16.5			
ETOR	E		22 53 22.4				0.03	0.5	255
MTE	E		22 53 24.4	I		22 54 28.0			
MVO	E		22 53 30.4	I		22 54 39.7			

20-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	225200.2	35 29	-03 53	10	0.8	3.8		N. ALHUCEMAS

ACU	I		17 37 42.4	E		17 37 48.2			95
VIV	E		17 37 56.0	E		17 38 10.0			
EVIA	E		17 38 09.0	E		17 38 34.0	0.05	0.6	110
EROQ	E		17 38 12.0	E		17 38 40.0			90
EBAN	E		17 38 23.0	E		17 38 58.3			90
ETOR	E	=	17 38 28.6	E	=	17 39 00.8	0.02	0.8	95

21-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	173736.5	38 39	-00 00	5	0.5	2.9		CALPE.A

TOL	E		04 39 04.2	I		04 39 13.0	0.68	0.2	55
GUD	I		04 39 08.4	I		04 39 20.0	0.06	0.2	170
PAB	I		04 39 10.0	I		04 39 23.0			120
ETOR	E		04 39 12.8	E		04 39 27.6	0.06	0.2	165
EVIA	I		04 39 17.4	E		04 39 38.0			130
EBAN	I		04 39 23.3	E		04 39 48.0	0.04	0.2	120
EPLA	E	=	04 39 33.0	E	=	04 39 59.0	0.04	0.2	110
ECRI	E	=	04 39 42.0	E	=	04 40 13.0	0.02	0.2	90
ASMO	I	*	04 39 42.6	E	*	04 40 17.7			
EHOR	E	=	04 39 43.7	E	=	04 40 16.0			
AAPN	I	*	04 39 44.5	E	*	04 40 22.4			
AFC	E	=	04 39 46.6	E	=	04 40 20.4			
ACHM	E	*	04 39 46.9						
MVO	E	*	04 39 48.0	I	*	04 40 29.0			
ALOJ	E	*	04 39 48.2						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EROQ	E	=	04 39 48.5	E	=	04 40 21.8	0.03	0.3	120
APHE	I	*	04 39 49.1		*	04 40 33.2			
ATEJ	E	*	04 39 49.6						
EPF			04 39 53.2				0.01	0.3	
MTE	E	*	04 39 53.5	E	*	04 40 36.0			

24-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	043851.7	40 05	-03 14	9	0.4	3.4	III	FUENTIDUEÑA.M

AVN			17 34 23.3		*	17 34 33.8			
VIH			17 34 25.0		*	17 34 34.4			
EPF			17 34 30.0			17 34 40.4			
MRB			17 34 39.0		*	17 34 58.8			
EROQ	E		17 34 39.7	E		17 34 59.3	0.01	0.2	60
OLT		*	17 34 45.0		*	17 35 08.2			
FONT		*	17 34 45.1		*	17 35 08.2			
ETER	E		17 34 46.9						
ETOR	E	=	17 34 56.3	E	=	17 35 24.0			

24-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
	173414.8	42 13	00 17		0.3	2.7		GRAUS.HU

RBA	I		22 06 03.5	I		22 06 19.5			
IFR	I		22 06 06.5	I		22 06 24.0			
EJIF	I		22 06 09.4	E		22 06 28.6	0.21	0.7	160
AVE	I		22 06 14.4						
EPRU	E		22 06 16.6	E		22 06 40.9	0.15	1.0	150
MAL	I		22 06 17.0				0.13	0.8	110
EMEL	E		22 06 18.3						
ATEJ	E	*	22 06 18.7						
APHE	I		22 06 21.8						
ALOJ	E		22 06 22.6						
EVAL	E		22 06 24.5	I		22 06 57.0	0.08	0.3	125
AAPN	I		22 06 25.4						
FIG	E		22 06 26.0	E		22 06 57.5			
TAF	I		22 06 26.0	I	*	22 07 00.0			
EHOR	E		22 06 26.6	E		22 07 01.2	0.05	0.3	130
ACHM	E	*	22 06 27.7						
AFC	E		22 06 27.9						125
ASMO	I		22 06 28.2						
CRT	E	*	22 06 30.0						
EBAN	E		22 06 36.2	E		22 07 17.5	0.02	0.2	185
MOE	I		22 06 44.0	I		22 07 30.0			
EVIA	E		22 06 49.3	E		22 07 40.6	0.02	0.2	130
PAB	E		22 06 52.0	E	*	22 07 42.0			130
TOL	E		22 06 57.0	E		22 07 53.0	0.02	0.8	130
EPLA	E		22 06 57.8	E		22 07 53.5	0.03	0.3	135

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTE	I		22 07 05.0	I		22 08 05.3			
GUD	E		22 07 07.2	E		22 08 11.2	0.01	0.3	155
MVO	E		22 07 13.1	I		22 08 21.6			
ETOR	I		22 07 16.8	E		22 08 30.7			190

28-OCT *HO LAT LONG PRO RMS MAG IO*
220542.4 34 54 -05 48 21 0.9 3.6 ARBAOUA.MAC

ACU	I		06 09 20.2						130
VIV	E		06 09 33.6	E		06 09 50.9			
EVIA	I		06 09 37.8	E		06 09 58.2	0.34	0.5	165
ALM	E		06 09 41.9	E	*	06 10 03.8			
EBAN	I		06 09 49.9	E		06 10 20.1	0.03	0.4	115
AFC	E		06 09 51.3	E		06 10 20.4	0.05	0.6	140
CRT	E		06 09 52.5						
APHE	E		06 09 52.8						
ASMO	E		06 09 53.1	E	*	06 10 34.7			
ACHM	E		06 09 54.6	E	*	06 10 34.2			
AAPN	E		06 09 55.9						
EROQ	E		06 09 56.5	E		06 10 29.5	0.04	0.4	125
ALOJ	E		06 09 56.9						
ATEJ	E		06 09 57.6						
ESEL	E		06 10 00.8	E		06 10 37.3	0.02	0.4	100
PAB	I		06 10 01.0						150
TOL	E		06 10 03.0				0.24	1.1	150
GUD	I		06 10 08.3	E		06 10 51.1	0.03	0.4	180
ETOR	E	=	06 10 08.7	E	=	06 10 42.5	0.09	0.7	160
MAL	E	*	06 10 11.0	I	*	06 10 58.5	0.12	1.0	89
MRB			06 10 12.0						
AVN			06 10 12.3						

29-OCT *HO LAT LONG PRO RMS MAG IO*
060911.6 38 05 -00 37 10 0.7 3.5 IV-V E. GUARDAMAR

ALOJ		*	03 18 14.2						
AAPN			03 18 20.9						
ATEJ			03 18 22.6						
ACHM			03 18 22.9						
APHE			03 18 25.4						
ASMO			03 18 25.8						
MAL	I		03 18 26.5	I		03 18 32.0	1.74	0.3	50
AFC	E		03 18 28.0	E		03 18 35.5	0.05	0.3	70
CRT		*	03 18 29.5						
EPRU	E	=	03 18 36.0	E	=	03 18 47.6	0.04	0.5	75
EBAN	E		03 18 37.8	E		03 18 52.5	0.06	0.2	80
EHOR	E		03 18 38.8	E		03 18 53.5	0.06	0.2	90
EJIF	E	=	03 18 42.7	E	=	03 18 59.4	0.05	0.6	75
EVIA	E		03 18 51.8	E		03 19 17.4	0.07	0.5	90

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVAL	E		03 18 52.5	E		03 19 19.3	0.02	0.4	70
PAB	E	=	03 19 03.0	E	=	03 19 33.0			70
TOL	E	*	03 19 11.0	E	*	03 19 46.0			60
GUD	E	=	03 19 23.4	E	=	03 20 04.9	0.02	0.5	100

31-OCT *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

031818.2 37 07 -04 11 0.4 3.0 LOJA.GR

PLAT	I		06 51 19.4						
OJEN	I		06 51 19.9						
EJIF	I		06 51 21.0						230
LIJA	I		06 51 26.0						
EPRU	I		06 51 27.9	E		06 51 39.0			250
MAL	I		06 51 31.3	I		06 51 46.0	2.17	0.7	160
ATEJ			06 51 35.9						
APHE		*	06 51 36.9						
EVAL	I		06 51 37.0	E		06 51 55.6	0.26	0.2	230
EHOR	E		06 51 38.0						230
ALOJ			06 51 38.3	E		06 51 56.0			
AAPN			06 51 39.6	I		06 51 57.8			
ACHM			06 51 40.6						
ASMO			06 51 43.2						
CRT		*	06 51 44.5	E	*	06 52 00.2			
AFC	I		06 51 44.6	E		06 52 07.3	0.12	0.2	200
EMEL	E		06 51 48.6	E		06 52 15.7			127
EBAN	I		06 51 49.4						250
IFR	I		06 51 51.5	I		06 52 22.0			
ALM	E		06 51 53.3	E		06 52 24.0			
TAF	E		06 51 56.0	I		06 52 30.0			
MOE	I		06 51 58.0	I		06 52 33.0			
AVE	I		06 51 58.5	I		06 52 32.0			
PAB	E		06 52 03.3	I	*	06 52 40.0			270
EVIA	E		06 52 03.9	E		06 52 42.4			235
LIS	E		06 52 06.0	I		06 52 47.0			
EPLA	I		06 52 08.1	E		06 52 50.2	0.19	0.3	210
TOL	I		06 52 09.5	I		06 52 51.0	0.23	0.5	220
MTE	I		06 52 16.0	I		06 53 04.1			
COI	I		06 52 17.4	I		06 53 05.6			
GUD	I		06 52 18.9	E		06 53 07.6	0.07	0.3	270
ACU	E		06 52 21.5	E		06 53 13.7	0.02	0.2	120
MVO	I		06 52 23.5	I		06 53 17.6			
PTO	I		06 52 29.5	I	*	06 53 25.7			
ETOR	I		06 52 30.0	E		06 53 28.8	0.11	0.3	250
ERUA	I		06 52 41.3	E		06 53 48.3	0.02	0.2	
EZAM	I		06 52 42.7	E		06 53 50.2	0.03	0.2	150
EROQ	E		06 52 46.5	E		06 53 59.8	0.05	0.2	155
ECRI	I		06 52 50.2	E		06 54 05.4	0.04	0.2	
STS	I		06 52 51.9	E		06 54 05.7	0.04	0.2	165

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EMON	I		06 52 56.3	E		06 54 14.1	0.02	0.2	
AVN			06 52 58.7						
EPF			06 53 08.0		*	06 54 35.0			
LPO			06 53 32.2		*	06 55 14.6	0.01	0.4	

	HO	LAT	LONG	PRO	RMS	MAG	IO	
31-OCT	065111.0	36 11	-05 46	60	0.7	4.1	TAHIVILLA.CA	

ABA	I		10 13 08.5	I		10 13 14.5			
ACU	E		10 13 48.6	E		10 14 24.5			550
CNS	I		10 13 50.0	I	*	10 14 30.0			
ESEL	I		10 13 50.5	E		10 14 28.2			530
ALM	E		10 14 01.1	E		10 14 46.3			
TAF	I		10 14 05.0						
EBR	E		10 14 08.0	E	*	10 15 07.0			
EMEL	I		10 14 08.2	E		10 14 59.7			
EVIA	E		10 14 08.3	E		10 14 59.9			630
AFC	I		10 14 13.3	E		10 15 07.9	0.56	0.8	680
EBAN	I		10 14 18.5	E		10 15 17.3	0.80	1.0	390
MAL	I		10 14 22.5	I		10 15 24.0	1.44	0.8	900
ETOR	I		10 14 23.8	E		10 15 25.5	0.43	0.8	700
ETER	I		10 14 25.7	E		10 15 28.7	0.80	1.0	490
PAB	I		10 14 31.5	E	*	10 15 51.0			
EPRU	E		10 14 31.9	E		10 15 40.3	0.86	1.2	600
TOL	I		10 14 32.0	I	*	10 15 55.5	1.00	1.0	
EHOR	E		10 14 32.3	E		10 15 44.4	0.46	1.0	325
LIJA	I		10 14 33.5						
EJIF	E		10 14 33.6	E		10 15 47.1	0.83	1.0	550
GUD	I		10 14 38.0	E		10 15 51.4	0.13	0.5	570
MOMI	I		10 14 38.2						
PLAT	I		10 14 39.0						
IFR	I		10 14 40.5						
EPF		*	10 14 41.0						
CNIL	I		10 14 41.5						
GIBL	I	*	10 14 42.5						
BOH		*	10 14 46.2						
ECRI	E		10 14 46.9				0.37	1.0	
LMR			10 14 47.8		*	10 16 08.0			
EVAL	E		10 14 47.9	E		10 16 10.1	0.31	1.2	
LRG			10 14 49.1			10 16 11.8	0.24	0.6	
EPLA	E		10 14 51.4	E		10 16 15.5	0.30	1.0	
CVF			10 14 51.5		*	10 16 14.3			
RBA	E		10 14 57.5						
AVE	I		10 15 06.0						
MVO	I		10 15 06.0	I		10 16 44.0			
MOE	E		10 15 07.5	I		10 16 45.0			
MTE	I		10 15 08.0	I	*	10 16 51.0			
COI	I		10 15 15.6	I		10 16 58.7			
ERUA	E		10 15 17.3						500

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
PTO	E		10 15 21.4	I	*	10 16 43.2			
LIS	I	*	10 15 21.9						
EMON	E		10 15 27.5						
EZAM	E		10 15 29.5						
STS	I		10 15 33.4						

31-OCT HO LAT LONG PRO RMS MAG IO
101259.4 36 27 02 36 13 0.7 5.4 EL AFROUN.ARG

FAR				I		01 47 11.5			
FIG	I		01 47 00.5	I		01 47 13.5			
EVAL	I		01 47 11.8	I		01 47 32.6	0.03	0.2	75
EJIF	I		01 47 16.5	E		01 47 39.8	0.02	0.3	55
EPRU	I		01 47 20.4	E		01 47 46.9	0.01	0.2	70
MOE	E		01 47 21.8	I		01 47 48.8			
MAL				I		01 48 01.3			
ATEJ	E		01 47 32.9	E		01 48 09.7			
ALOJ	I		01 47 33.0						
AAPN	E		01 47 33.9	E		01 48 09.9			
IFR	I	*	01 47 35.0	I	*	01 48 10.0			
ACHM	E		01 47 36.1						
APHE	E		01 47 36.4	E	*	01 48 10.8			
ASMO	E		01 47 37.8						
AFC	I		01 47 39.5	E		01 48 19.2	0.01	0.2	65
EBAN	I		01 47 41.0	E		01 48 24.0	0.02	0.2	90
EPLA	E		01 47 45.6	E		01 48 30.9	0.01	0.2	90
MTE	E		01 47 47.0			01 48 33.5			
EVIA	E	=	01 47 55.7	E	=	01 48 49.5	0.01	0.2	85
GUD	I		01 48 02.5	E		01 49 00.3			120
ETOR	E		01 48 18.6						100

01-NOV HO LAT LONG PRO RMS MAG IO
014645.0 36 12 -07 53 20 0.4 3.2 GOLFO DE CADIZ

ACU	E		00 16 45.0	E		00 16 54.0	0.06	0.2	70
VIV	E		00 16 52.5	E		00 17 08.5			
ECHE	E		00 16 58.0	E		00 17 17.0	0.04	0.3	95
EBAN	I		00 17 07.3	E		00 17 32.7	0.02	0.2	110
ASMO	I	*	00 17 11.1		*	00 17 44.2			
APHE	I	*	00 17 13.0						
AAPN	E	*	00 17 14.7	E	*	00 17 53.3			
AFC	E	=	00 17 15.0	E	=	00 17 41.0			80
ALOJ	E	*	00 17 16.5	E	*	00 17 56.8			
PAB	I		00 17 17.5	E	*	00 17 47.5			130
EHOR	E		00 17 22.8	E		00 18 01.8	0.02	0.3	110
ETOR	E	=	00 17 25.0	E	=	00 17 58.3	0.02	0.4	120

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
GUD	E		00 17 25.5	E		00 18 05.0	0.02	0.4	140
TOL	E	*	00 17 26.0	E	*	00 18 06.0	0.04	0.8	90
EPLA	E		00 17 37.0						

06-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
	001632.3	38 08	-01 08	4	0.3	3.2		FORTUNA.MU

ECHE	I		08 10 59.5	E		08 11 07.6	0.09	0.2	70
VIV	E		08 11 01.0	E		08 11 8.0			
ACU	E		08 11 06.6	E		08 11 18.0	0.03	0.3	50
EVIA	E		08 11 20.1	E		08 11 42.0	0.03	0.3	90
ETOR	E	=	08 11 25.0	E	=	08 11 48.0	0.03	0.3	95
EBAN	E		08 11 35.0	E		08 12 10.0	0.01	0.2	80
ASMO	I		08 11 41.5						
AAPN	E		08 11 45.0						
APHE	E		08 11 45.5						
PAB	E	*	08 11 47.0	I	*	08 12 28.0			100
GUD	E	=	08 11 54.3	E	=	08 12 29.5	0.01	0.5	105

07-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
	081051.4	39 21	-00 26	12	0.5	3.0	II-III	PICASEN.V

MAL	I		00 55 41.4	I		00 55 50.0	0.09	0.5	41
ATEJ	I		00 55 43.3	I		00 55 54.5			
ALOJ	I		00 55 44.9	E		00 55 57.7			
APHE	I		00 55 45.6						
ACHM	I		00 55 46.1	I		00 55 59.2			
EPRU	I		00 55 46.3	E		00 55 58.3	0.02	0.2	44
AAPN	I		00 55 46.6	E		00 55 59.4			
ASMO	I		00 55 48.6	I		00 56 03.8			
AFC	I		00 55 49.0	E		00 56 03.2	0.01	0.2	40
EHOR	I		00 55 53.3	E		00 56 11.0	0.02	0.2	50
ENIJ	E		00 55 58.5						
EVAL	E		00 56 01.8	E		00 56 26.0	0.01	0.2	40
EVIA	I		00 56 08.5	E		00 56 38.0	0.04	0.2	60
IFR	I		00 56 13.5	I		00 56 47.0			
EPLA	E		00 56 24.2						
ETOR	E		00 56 36.7	E		00 57 27.8			55
TIO	I		00 56 55.5	I		00 58 00.0			

12-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
	005527.7	36 30	-04 29	100	0.6	3.0		S. MALAGA

EPF		02 15 21.2		02 15 36.8			
ECRI	E	02 15 24.6	E	02 15 40.0	0.02	0.2	37
VIH		02 15 26.5		02 15 44.0			
AVN		02 15 28.4		02 15 49.1			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ETOR	E		02 15 37.5	E		02 16 02.0	0.01	0.3	70
LPO			02 15 45.1			02 16 15.6			
LFF			02 15 46.0			02 16 17.4			

13-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
	021503.5	42 38	-00 57		0.5	2.7		CANAL DE BERDUN.Z

ACU	E		12 00 59.0	E		12 01 31.2	0.02	0.2	65
ESEL	I		12 01 01.2	E		12 01 34.5	0.04	0.2	65
ENIJ	E		12 01 13.0	E		12 01 53.0			
ECHE	E		12 01 14.5	E		12 01 57.5			
EROQ	E		12 01 20.0	E		12 02 07.0	0.01	0.3	80
EVIA	E		12 01 20.3	E		12 02 08.0	0.02	0.3	95
OLT			12 01 33.9			12 02 31.0			
AVN			12 01 34.0						
GUD	E		12 01 50.0	E		12 03 00.5			
EPF			12 01 50.6			12 02 59.8			
LMR			12 01 59.2		*	12 03 14.4	0.01	0.3	
LRG			12 02 00.2			12 03 17.2	0.01	0.3	
FRF			12 02 02.6			12 03 22.0	0.01	0.3	

14-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
	120016.4	36 47	02 32		0.7	3.6		N. TIPAZA

ACU	E		12 34 49.2	E		12 34 55.2	0.04	0.4	45
VIV	E		12 34 52.0	E		12 35 00.0			
ECHE	E		12 34 57.0	E		12 35 09.0	0.02	0.4	60
EVIA	E		12 35 03.7	E		12 35 21.0	0.05	0.5	82

14-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
	123441.4	38 43	-00 53	9	0.1	2.6		VILLAR ARZOBISPO.V

ERUA	E		15 20 59.8	I		15 21 04.4	0.04	0.2	35
MVO	I		15 21 12.0	I		15 21 26.0			
EMON	E		15 21 16.7	E		15 21 33.0			60
EZAM				E		15 21 38.3	0.01	0.2	35
STS				E		15 21 39.8			35
EPLA	E		15 21 28.2	E		15 21 55.0	0.02	0.2	70
GUD	E		15 21 31.5	E		15 22 01.4	0.01	0.2	90

16-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
	152052.3	42 12	-06 40	4	0.4	2.9		SIERRA CABRERA BAJA.ZA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AAPN	I		21 33 35.1	I	*	21 33 40.3			
ASMO	I		21 33 36.0						
ALOJ	I		21 33 36.5						
ACHM	I		21 33 37.2						
CRT	I		21 33 38.1						
AFC	I		21 33 38.1	E		21 33 45.0			85
ATEJ	I		21 33 38.9	I		21 33 46.4			
APHE	I		21 33 39.1						
MAL	I		21 33 43.2	I		21 33 53.5			
EBAN	I		21 33 43.3	E		21 33 53.3			75
EHOR	E		21 33 47.3	E		21 34 00.0	0.06	0.2	95
EPRU	I		21 33 47.7	E		21 34 01.7	0.02	0.5	75
EJIF	E		21 33 53.7						85
ENIJ	E		21 33 53.8	E		21 34 12.4			70
EVIA	I		21 33 55.7	E		21 34 15.8	0.07	0.2	95
EVAL	E		21 34 01.5	E		21 34 26.7			70
PAB	E	*	21 34 19.0	E	*	21 34 37.0			
ETOR	E		21 34 24.0	E		21 35 04.4	0.01	0.2	125
TOL	E	*	21 34 28.5	E	*	21 34 49.0			70
GUD	E		21 34 17.8	E		21 34 53.0	0.01	0.2	105

17-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
	213329.3	37 26	-04 02	28	0.5	3.1		ALCALA LA REAL.J

TIO	I		10 19 40.9	I	*	10 20 12.0			
AVE	I		10 19 50.0	I	*	10 20 33.0			
RBA	E		10 20 01.5	I	*	10 20 50.5			
IFR	I		10 20 12.0	I	*	10 21 10.0			
CFTV	I		10 20 16.4	I		10 21 08.0			
FIG	E	*	10 20 35.5	E		10 21 39.0			
EJIF	E		10 20 37.5	E		10 21 46.0	0.12	0.7	240
CTFE	I		10 20 38.0	I		10 21 44.0			
EVAL	E		10 20 43.8	E		10 21 55.0	0.04	0.3	210
MAL	E		10 20 47.0	I	*	10 21 59.0	0.09	0.7	218
TAF	E		10 20 48.0	E	*	10 22 12.0			
ATEJ	I		10 20 49.9	I		10 22 09.8			
MOE	I		10 20 52.0	I		10 22 09.0			
APHE	E	*	10 20 52.4						
TBT	I		10 20 52.8	I	*	10 22 12.2			
EHOR	E		10 20 53.2	E		10 22 15.0	0.03	0.4	200
ALOJ	E		10 20 53.5						
ACHM	E		10 20 54.3						
AAPN	E		10 20 54.4						
ASMO	E		10 20 57.9						
AFC	E		10 20 58.5						230
MTH	E	*	10 21 00.0	I	*	10 22 07.0			
EBAN	I		10 21 06.0	E		10 22 34.4	0.03	0.4	200
PAB	E		10 21 18.5	E	*	10 22 54.5			240
MTE	I		10 21 19.0	I		10 22 59.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVIA	E		10 21 19.2	E		10 23 00.0	0.05	0.4	
EPLA	E		10 21 19.5	E		10 22 55.0			205
TOL	E	*	10 21 21.0	E	*	10 22 14.0			210
MVO	E		10 21 29.5	E		10 23 15.5			
GUD	E		10 21 33.3	E		10 23 21.0	0.01	0.4	250
ETOR	E		10 21 46.0	E		10 23 46.0	0.01	0.4	250

21-NOV *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

101906.8 31 19 -09 45 1.2 4.3 ESSAOUIRA.MAC

ENIJ	I		02 55 27.5	E		02 55 33.0	0.09	0.2	60
AFC	E		02 55 43.0						
APHE	E		02 55 45.2						
EVIA	E		02 55 45.5	E		02 56 03.8	0.05	0.3	70
ASMO	E	*	02 55 47.5						

22-NOV *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

025520.6 37 14 -01 53 16 0.1 2.9 VERA.AL

ALM	I		06 23 28.7	I		06 23 34.9			35
ENIJ	I		06 23 32.9	E		06 23 41.3	0.08	0.2	50
APHE	I		06 23 36.7						
AFC	E		06 23 37.7	E		06 23 47.5	0.02	0.2	35
ACHM	E		06 23 40.3			06 23 51.3			
ATEJ	E		06 23 40.3	E		06 23 54.4			
ASMO	I		06 23 41.3						
ALOJ	E		06 23 43.7			06 23 57.5			
EVIA	E	=	06 23 59.0	E	=	06 24 23.0	0.04	0.7	55

22-NOV *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

062323.4 36 44 -02 49 0.5 3.0 CAMPO DE DALIAS.AL

EPF			17 53 51.2			17 53 54.8			
JAU			17 53 51.8	E		17 53 56.2			
LHE			17 53 55.5	E		17 54 01.9			
ISSF			17 53 57.6	E		17 54 06.2			
VIH			17 53 59.3			17 54 08.5			
MLS			17 54 01.7			17 54 13.5			
GRBF			17 54 07.5						
AVN			17 54 10.4			17 54 27.1			
LPO		=	17 54 20.7		=	17 54 44.0	0.03	0.3	
ECRI	E	=	17 54 22.6	E	=	17 54 46.3	0.03	0.3	50
LFF		=	17 54 23.2		=	17 54 47.6	0.04	0.3	
CAF			17 54 23.6				0.02	0.3	
FONT			17 54 24.7						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
OLT		=	17 54 25.0		=	17 54 51.5			
EROQ	E	=	17 54 28.3	E	=	17 54 56.5	0.02	0.2	75
ETOR	E		17 54 30.8				0.01	0.3	90

24-NOV

HO	LAT	LONG	PRO	RMS	MAG	IO	
175346.8	43 04	00 01	4	0.7	3.2	III-IV	LOURDES.FR

APHE	I		19 02 02.6								
ATEJ	I		19 02 05.5	I		19 02 12.3					
AFC	E		19 02 06.9	E		19 02 13.2	0.07	0.2	68		
ALOJ	E		19 02 08.9	E		19 02 17.5					
ASMO	I		19 02 09.5	E		19 02 17.1					
MAL	E		19 02 10.5	E	*	19 02 18.0					
ALM	E		19 02 13.3	E		19 02 23.1					
ENIJ	E		19 02 16.3	E		19 02 31.0	0.02	0.2	45		
EHOR	E	=	19 02 31.2	E	=	19 02 53.5	0.02	0.4	64		

25-NOV

HO	LAT	LONG	PRO	RMS	MAG	IO	
190157.6	36 46	-03 29	9	0.5	3.0		MOTRIL.GR

MAL	I		19 54 42.3	I	*	19 54 51.0	0.72	0.5	58		
SRQ	E		19 54 45.5	E		19 54 57.2					
EJIF	I		19 54 46.8	I		19 54 59.6	0.11	0.3	105		
EPRU	I		19 54 48.0	E		19 55 02.0	0.04	0.2	95		
LIJA	I		19 54 48.5								
AFC	E		19 54 52.9	E		19 55 08.0	0.02	0.2	100		
EHOR	I		19 54 56.4	E		19 55 16.0	0.07	0.2	123		
EBAN	I		19 55 01.0	I		19 55 23.0	0.07	0.2	115		
ENIJ	E		19 55 01.6	E		19 55 25.8			90		
EVAL	I		19 55 03.5	E		19 55 28.5	0.08	0.3	105		
IFR	I		19 55 12.0	I		19 55 42.5					
EVIA	E		19 55 13.7	E		19 55 44.4	0.04	0.2	125		
PAB	E		19 55 18.5	I		19 55 53.0			110		
TOL				E		19 56 02.0					
AVE	E	*	19 55 20.0	I		19 56 07.0					
EPLA	E		19 55 28.0	E		19 56 10.4	0.02	0.2	120		
GUD	E		19 55 34.0	E		19 56 19.5	0.01	0.2	130		
ETOR	I		19 55 41.5	E		19 56 35.2	0.02	0.4	190		
TIO	I		19 55 53.0	I		19 56 55.0					

28-NOV

HO	LAT	LONG	PRO	RMS	MAG	IO	
195428.7	36 18	-04 34	100	0.8	3.5		S. FUENGIROLA

ECRI	I	21 16 54.8	E	21 17 02.3				85	
BOH		21 17 08.9	E	21 17 27.2					
ETOR	I	21 17 09.2	E	21 17 27.0	0.14	0.5	140		
ATE		21 17 11.6	E	21 17 31.3					

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF			21 17 20.5			21 17 45.9			
GUD	I		21 17 20.8	E		21 17 47.2	0.03	0.3	140
AVN			21 17 21.4			21 17 49.1			
VIH			21 17 22.9		*	21 17 54.7			
TOL	E	*	21 17 24.5	E	*	21 18 09.5	0.04	0.6	80
EROQ	E		21 17 25.0	E		21 17 52.6	0.03	0.3	105
EBR	E	=	21 17 32.0	E	=	21 18 01.0			
PAB	E		21 17 34.0	E		21 18 08.5			120
ECHE	E	=	21 17 37.7	E	=	21 18 10.0	0.02	0.6	105
LFF			21 17 39.4		*	21 18 18.2	0.01	0.3	
LPO			21 17 40.0			21 18 20.2	0.01	0.3	
EVIA				E		21 18 20.5	0.04	0.5	105
EPLA	E		21 17 41.6	E		21 18 23.6			
MVO	E		21 17 42.3	E		21 18 27.5			
ERUA	E		21 17 42.8						

29-NOV HO LAT LONG PRO RMS MAG IO
211645.5 42 08 -02 11 0.5 3.2 III-IV PREJANO.LO

LIS	E	*	07 29 55.0	I		07 29 58.4			
MOE				I		07 30 13.0			
MTE						07 30 30.5			
FIG	E		07 30 07.7	I		07 30 41.5			
EZAM	E		07 30 08.6	E		07 30 45.0			
MVO	E		07 30 09.7	E		07 30 47.5			
EVAL	E		07 30 12.5	E		07 30 51.0	0.01	0.2	70
EPLA	E		07 30 14.3	E		07 30 55.0	0.01	0.2	85
ERUA	E		07 30 21.3						
EHOR	E		07 30 26.0	E		07 31 16.0	0.01	0.2	
GUD	E		07 30 35.5	E		07 31 31.5			110
EBAN	E		07 30 39.8	E		07 31 39.9	0.01	0.2	
ETOR	E		07 30 58.0						

30-NOV HO LAT LONG PRO RMS MAG IO
072920.5 39 17 -10 39 25 0.5 3.4 ATLANTICO

ECRI	E		21 33 31.8	E		21 33 41.0	0.06	0.2	40
EPF			21 33 48.7			21 34 10.3	0.03	0.4	
ETOR	E		21 33 54.0	E		21 34 18.5	0.01	0.3	90
VIH			21 33 54.1						
LFF			21 34 07.1			21 34 41.9			
LPO			21 34 07.3			21 34 42.1			
GUD	E		21 34 07.5	E		21 34 39.5			
EROQ	E	=	21 34 08.0	E	=	21 34 37.6	0.01	0.2	
RJF			21 34 15.2			21 34 58.2			

30-NOV HO LAT LONG PRO RMS MAG IO
213322.1 42 43 -01 43 0.7 2.9 SIERRA DEL PERDON.NA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		05 35 44.3	I		05 35 52.0			
ATEJ	I		05 35 46.0	E		05 35 53.7			
ACHM	I		05 35 47.5	E		05 35 56.3			
APHE	I		05 35 47.7	E		05 35 57.2			
AAPN	I		05 35 48.1	E		05 35 56.8			
CRT	I		05 35 50.0						
ASMO	I		05 35 50.3	E		05 36 01.4			
AFC	I		05 35 51.0	E		05 36 01.0	0.02	0.2	
EPRU	E		05 35 51.0	E		05 36 02.0	0.02	0.2	65
EJIF	E		05 35 54.0	E		05 36 05.9	0.04	0.4	75
EHOR	E		05 35 56.3	E		05 36 12.0	0.02	0.2	
EBAN	I		05 35 58.6	I		05 36 14.8	0.06	0.2	85
ENIJ	E		05 36 02.5	E		05 36 23.5			85
EVAL	E		05 36 07.0	I		05 36 30.5	0.02	0.2	60
EVIA	E		05 36 11.0	I		05 36 37.0	0.05	0.2	70
EPLA	E		05 36 28.5	E		05 37 06.3			86
GUD				E		05 37 13.3			100
ETOR	E		05 36 39.4	E		05 37 26.8	0.01	0.3	100

01-DIC *HO LAT LONG PRO RMS MAG IO*
053535.6 36 50 -04 20 67 0.5 3.2 N. MALAGA.MA

ENIJ	I		21 39 11.4	E		21 39 16.5			45
ALM	E		21 39 15.4	E		21 39 24.4			
EALH	E		21 39 20.0	E		21 39 31.3	0.03	0.3	50
AFC	E	=	21 39 32.2	E	=	21 39 51.5			50
EVIA	E	=	21 39 37.0	E	=	21 39 59.0	0.03	0.3	50
EBAN	E	=	21 39 41.0	E	=	21 40 06.2	0.01	0.4	47

01-DIC *HO LAT LONG PRO RMS MAG IO*
213904.3 37 03 -01 44 3 0.2 2.8 E. CARBONERAS

ATE			10 26 31.2	E		10 26 33.1			
ESCF			10 26 31.3	E		10 26 33.3			
MADF			10 26 32.1	E		10 26 34.7			
EPF			10 26 42.6			10 26 52.6			
VIH			10 26 50.4			10 27 05.5			
ECRI	E		10 26 56.1	E		10 27 15.4	0.03	0.2	40
AVN		*	10 26 59.2		*	10 27 21.6			
LPO		*	10 27 07.4		*	10 27 33.8	0.01	0.3	
LFF		*	10 27 08.0		*	10 27 34.6	0.01	0.3	
CAF			10 27 10.4				0.01	0.3	
ETOR	E		10 27 10.3	E		10 27 41.0	0.01	0.4	
OLT		*	10 27 11.1		*	10 27 47.7			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EROQ	E	=	10 27 16.5	E	=	10 27 45.5	0.02	0.2	
GUD	E		10 27 25.0	E		10 28 07.0			

02-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	102629.4	43 10	-00 37	7	0.3	3.0		OLORON-ST.MARIE.FR

ACU	I		22 18 28.7						175
EALH	E		22 18 40.3	E		22 18 56.3	0.42	0.8	190
ECHE	E		22 18 44.6				0.34	0.6	225
EVIA	I		22 18 52.3	E		22 19 16.0	0.26	0.6	200
ENIJ	E		22 18 53.5	E		22 19 20.0	0.08	0.5	160
EROQ	I		22 18 56.7	E		22 19 25.6	0.07	0.3	175
ESEL	I		22 18 56.7	E		22 19 26.0	0.35	0.6	
EBR	E		22 18 57.0						
EBAN	I		22 19 05.2	E		22 19 41.0	0.03	0.3	185
AFC	E		22 19 07.0	E		22 19 39.5	0.07	0.8	170
ETOR	E	=	22 19 07.8	E	=	22 19 42.2	0.16	0.7	230
ASMO			22 19 08.4	E	*	22 20 13.7			
CRT			22 19 08.7						
APHE			22 19 10.3						
AVN			22 19 10.3						
ACHM			22 19 11.2						
AAPN			22 19 11.8						
ALOJ			22 19 13.2						
ATEJ			22 19 13.6						
TOL	E		22 19 14.0				0.37	1.2	210
PAB	I		22 19 14.2						280
GUD	E		22 19 20.0	E		22 20 04.4	0.05	0.5	210
OLT			22 19 20.1						
EHOR	E		22 19 20.7						195
VIH			22 19 22.7						
ETER	E		22 19 24.3						
EPF			22 19 28.5			22 20 20.6	0.03	0.6	
EPLA	E		22 19 34.4	E		22 20 31.0	0.08	0.8	190
MAL	I	*	22 19 35.5	I	*	22 20 16.3	0.12	1.0	136
CNS	I		22 19 39.0						

02-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	221819.2	38 18	00 13	31	0.9	3.8		E. ALICANTE

MAL	I	03 26 33.5	I	03 26 40.8				
AFC	E	03 26 34.3	E	03 26 42.5	0.01	0.3		
EHOR	E	03 26 44.3	E	03 26 58.7	0.01	0.2		
EBAN	E	03 26 44.5	E	03 26 59.0	0.03	0.2		
EJIF			E	03 27 05.0	0.01	0.4		

03-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	032625.3	37 10	-04 12	2	0.4	2.6		LOJA.GR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALOJ	I		03 43 22.9	I		03 43 25.1			
ATEJ	I		03 43 25.9	E		03 43 31.1			
ACHM	I		03 43 26.1	E		03 43 32.2			
MAL				I		03 43 36.7			
ASMO	E		03 43 28.4	E	*	03 43 37.5			
APHE	E		03 43 28.5	E		03 43 36.8			
AFC	E		03 43 31.0	E		03 43 38.8	0.01	0.2	
EBAN	E		03 43 40.4	E		03 43 55.2	0.02	0.2	
EHOR	E		03 43 41.0	E		03 43 56.7			

03-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	034321.7	37 09	-04 10	8	0.7	2.4		LOJA.GR

ENIJ	I		06 30 38.7							110
ALM	I		06 30 41.3	I		06 30 49.5				96
EALH	E		06 30 41.7	E		06 30 50.8	0.10	0.4		95
AFC	E		06 30 52.3	E		06 31 09.0	0.09	0.4		110
ASMO	I		06 30 53.3	E	*	06 31 14.7				
EVIA	E		06 30 53.6	E		06 31 10.0	0.18	0.4		110
APHE	I		06 30 54.2	E	*	06 31 14.9				
ACHM	I		06 30 56.5	E	*	06 31 16.9				
ACU	E		06 30 57.2							
EBAN	E		06 30 57.3	E		06 31 18.5	0.06	0.2		100
ATEJ	I		06 30 58.8	E	*	06 31 25.8				
ALOJ	I		06 30 59.9	I	*	06 31 24.9				
MAL	I	*	06 31 05.3	I	*	06 31 34.0	0.24	0.7		72
EHOR	E		06 31 10.4	E		06 31 42.0	0.04	0.4		105
PAB	E	*	06 31 21.0	I	*	06 31 58.0				120
TOL	E	=	06 31 25.0	E	=	06 32 01.0	0.06	0.8		100
ETOR	E	=	06 31 37.0	E	=	06 32 17.0	0.02	0.4		120
GUD	E	=	06 31 40.0	E	=	06 32 21.6	0.01	0.4		105

03-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	063029.7	37 22	-01 58	9	0.6	3.4		HUERCAL-OVERA.AL

LIS				E		16 51 13.0			
FIG	I		16 50 43.0	E		16 51 31.5			
EVAL	E		16 50 54.7	E		16 51 53.0	0.01	0.3	110
MTE	I		16 50 58.8	I		16 51 59.9			
EZAM	I		16 51 06.0						
AVE				I		16 52 11.0			
MVO	E		16 51 08.5	I	*	16 52 16.5			
EPLA	E		16 51 10.2	E		16 52 20.0			120
EHOR	E		16 51 10.8	E		16 52 21.5			130
STS	E		16 51 15.7						
IFR	E		16 51 26.0	I	*	16 52 43.5			
EBAN	E		16 51 27.0	E		16 52 50.0			130

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TIO	I		16 51 29.4	I	*	16 52 53.0			
EMON	E		16 51 30.0						
GUD	E		16 51 32.0	E		16 52 59.0			170
ETOR	E		16 51 53.0						160

04-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO
	164935.1	37 02	-13 30		0.7	3.5	ATLANTICO

EMEL	E		07 07 17.8	E		07 07 27.8			85
ALM	E		07 07 18.5	I		07 07 29.8			
APHE	I		07 07 20.7	E		07 07 34.3			
ENIJ	E		07 07 21.7	E		07 07 37.0	0.08	0.3	90
ATEJ	I		07 07 21.9	E	*	07 07 35.2			
ACHM	E		07 07 24.4	E	*	07 07 47.7			
AFC	E		07 07 25.4	E		07 07 41.0	0.02	0.3	90
ALOJ	E		07 07 26.1	E	*	07 07 46.8			
ASMO	I		07 07 28.4	E	*	07 07 49.8			
CRT	E	*	07 07 28.5	E	*	07 07 41.7			
AAPN	E	*	07 07 31.1	E		07 07 49.1			
EPRU	E	=	07 07 38.5	E	=	07 08 03.0	0.03	0.8	80
EBAN	E	=	07 07 41.0	E	=	07 08 07.0	0.02	0.3	85
EHOR	E		07 07 42.3	E		07 08 11.4			75
EVIA	E		07 07 44.5	E		07 08 15.5	0.02	0.3	90
IFR	E		07 07 51.0	I	*	07 08 25.5			

05-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO
	070702.5	36 07	-03 02		0.6	3.0	ALBORAN

ACHM	I		20 12 28.8	E		20 12 31.0			
APHE	I		20 12 29.5	E		20 12 31.9			
ATEJ	I		20 12 30.3	E		20 12 33.3			
ALOJ	I		20 12 30.8	E		20 12 34.4			
CRT	I		20 12 31.4	E		20 12 35.6			
AFC	I		20 12 32.3						
ASMO	I		20 12 32.6	E	*	20 12 35.0			
AAPN	I		20 12 33.1	E	*	20 12 35.0			
MAL	I		20 12 36.0	I		20 12 43.5			125
EBAN	I		20 12 47.8	E		20 13 02.7			
ALM	E		20 12 47.8	I	*	20 13 05.7			
EPRU	E		20 12 48.4	E		20 13 02.0	1.17	1.0	
ENIJ	I		20 12 50.4	E		20 13 06.8	0.21	0.5	
SRQ	I		20 12 51.0						
EHOR	E		20 12 51.5	E		20 13 09.5	0.38	0.5	
EJIF	E		20 12 51.8	E		20 13 10.0	0.45	0.5	
LIJA	I	*	20 12 52.5						
EMEL	E		20 12 57.2	E		20 13 20.0			
CNIL	I		20 12 57.2	E		20 13 20.5			
EVIA	E		20 12 59.6	E		20 13 23.3			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVAL	E		20 13 05.3	E		20 13 34.2	0.14	0.5	
TAF	I		20 13 07.0	I		20 13 36.0			
TOL	I		20 13 13.0	E	*	20 13 42.0	0.93	1.2	
PAB	I	=	20 13 14.5	I	=	20 13 44.5			
FIG	E	=	20 13 18.5	E	=	20 13 55.0			
ECHE	E		20 13 20.0				0.14	0.8	
EPLA	E		20 13 21.0	E		20 14 01.4	0.11	0.5	
IFR	I		20 13 22.5	I		20 14 05.0			
GUD	E		20 13 23.3	E		20 14 04.0	0.16	0.5	
MOE	E		20 13 27.0	I		20 14 10.5			
ETOR	E		20 13 28.7	E		20 14 14.0	0.13	0.5	
MTE	I		20 13 34.5	I		20 14 24.5			
AVE	E		20 13 36.0	I	*	20 14 35.0			
MTH	E		20 13 36.5	E		20 14 28.5			
MVO	I		20 13 39.2	I		20 14 32.5			
COI	E		20 13 39.3	I		20 14 31.7			
EBR	E	*	20 13 47.0						
PTO	I		20 13 49.5	I	*	20 14 47.0			

05-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	201226.9	37 00	-03 50	7	0.6	4.0	V	AGRON.GR

AFC	I		20 15 21.0						155
MAL	I		20 15 24.7			20 15 32.3			125
EBAN	I		20 15 36.2	E		20 15 51.3			170
ALM	E		20 15 36.2	E	*	20 15 54.2			
SRQ	I	=	20 15 39.0	E	=	20 15 57.5			
ENIJ	E		20 15 39.2	E		20 15 57.5	0.10	0.5	130
EHOR	E		20 15 40.0	E		20 15 58.4	0.16	0.4	165
LIJA	I	*	20 15 40.5						
EPRU	E	=	20 15 41.0	E	=	20 15 56.0	0.56	1.0	135
EJIF	E		20 15 41.5	E		20 16 00.4	0.23	0.5	175
EMEL	E		20 15 47.0	E		20 16 10.5			
EVIA	E		20 15 48.5	E		20 16 12.0	0.23	0.5	105
EVAL	E		20 15 54.0	E		20 16 23.0	0.08	0.5	140
TAF	E		20 15 56.0	E	*	20 16 28.0			
PAB	I		20 15 57.5	E	*	20 16 25.0			225
TOL	E	*	20 16 08.0	E	*	20 16 47.5	0.45	1.2	200
EPLA	E		20 16 10.7	E		20 16 51.4	0.08	0.5	105
IFR	I		20 16 11.0	I	*	20 16 56.0			
COI	E		20 16 27.1	I		20 17 20.3			
GUD	E	=	20 16 27.8	E	=	20 17 09.8	0.09	0.5	
FIG	E	*	20 16 28.7	E	*	20 17 10.5			
ETOR	E	=	20 16 34.3	E	=	20 17 21.4	0.09	0.5	
MTE	E	=	20 16 43.5		=	20 17 33.0			
MVO	E	*	20 16 48.0	E	*	20 17 40.5			

05-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	201515.4	37 01	-03 52		0.5	3.8	IV	AGRON.GR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AFC	I		06 09 22.1	E		06 09 26.5			110
MAL	I		06 09 25.2	I		06 09 34.0	1.74	0.3	50
EBAN	I		06 09 37.0	E		06 09 53.0	0.08	0.2	90
ALM	E	*	06 09 39.1	E	*	06 09 57.6			
ENIJ	E		06 09 40.2	E		06 09 57.8	0.03	0.4	100
EHOR	E		06 09 41.2	E		06 09 59.7	0.02	0.2	100
EPRU	E	=	06 09 41.3	E	=	06 09 56.5	0.12	1.0	90
EJIF	E		06 09 41.8	E		06 10 00.3	0.15	0.8	90
EVIA	E		06 09 48.7	E		06 10 13.0	0.11	0.5	105
EVAL	E		06 09 55.4						
PAB	E		06 09 58.0	E	*	06 10 25.0			110
TOL	E	*	06 10 09.0	E	*	06 10 49.0	0.03	0.8	90
EPLA	E		06 10 11.0						100
GUD	E		06 10 12.6				0.02	0.5	120
ETOR	E		06 10 18.4				0.02	0.5	105

06-DIC *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

060916.3 37 01 -03 50 2 0.3 3.1 III-IV AGRON.GR

ACHM	I		20 15 38.1						
APHE	I		20 15 38.8	E		20 15 41.4			
ATEJ	I		20 15 39.4	E		20 15 43.4			
ALOJ	I		20 15 40.1						
AFC	I		20 15 41.8						
ASMO	I		20 15 42.1						
AAPN	I		20 15 42.5						
MAL	I		20 15 46.0	I		20 15 53.2			100
EBAN	I		20 15 57.2	E		20 16 12.0			140
ALM	E		20 15 57.3	I	*	20 16 16.2			
ENIJ	E		20 15 59.8	E		20 16 18.0	0.07	0.4	130
EHOR	E		20 16 00.8	E		20 16 20.0	0.11	0.5	155
EPRU	E	=	20 16 01.0	E	=	20 16 16.4	0.11	0.5	145
EJIF	E		20 16 01.3	E		20 16 21.0	0.28	0.7	115
LIJA	I	*	20 16 02.0						
EMEL	E		20 16 08.7						
EVIA	I		20 16 08.8	E		20 16 33.0	0.19	0.5	155
EVAL	E		20 16 15.0	E		20 16 43.7	0.03	0.4	105
PAB	I		20 16 18.5	E	*	20 16 44.5			120
TOL	E		20 16 22.0	E	*	20 17 04.0			125
ECHE	E		20 16 29.0				0.05	0.7	125
EPLA	I		20 16 31.2				0.05	0.5	130
GUD	E		20 16 32.2	E		20 17 14.3	0.03	0.4	170
ETOR	E		20 16 38.6	E		20 17 23.4	0.05	0.5	160

06-DIC *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

201536.3 37 02 -03 51 0.4 3.5 IV AGRON.GR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
STS	I		04 41 58.1	E		04 42 03.8	0.11	0.2	58
EZAM	I		04 42 06.9	E		04 42 18.8	0.04	0.2	47
EMON	E		04 42 14.8	E		04 42 32.2			58
ERUA	E		04 42 18.5	E		04 42 38.5	0.01	0.2	45
MVO	E	=	04 42 34.2	E	=	04 43 04.0			
MTE				I	*	04 43 19.5			

07-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO
	044150.3	43 00	-09 06	3	0.5	3.1	III DUMBRIA.C

ACHM	I		18 50 28.1						
APHE	I		18 50 28.9						
ATEJ	I		18 50 29.4						
ALOJ	I		18 50 29.9						
AFC	I		18 50 32.0	E		18 50 36.8			120
ASMO	I		18 50 32.2			18 50 37.5			
AAPN	I		18 50 32.6		*	18 50 40.3			
MAL	I	=	18 50 34.0	I	=	18 50 42.2	1.09	0.4	55
EBAN	I		18 50 47.2	E		18 51 02.6	0.06	0.2	95
ENIJ	E		18 50 50.0	E		18 51 07.7	0.04	0.3	100
EHOR	E		18 50 51.0	E		18 51 09.7	0.03	0.3	105
EPRU	E	=	18 50 52.0	E	=	18 51 07.3	0.10	0.8	90
EJIF	E		18 50 52.1	E		18 51 11.7	0.10	0.7	95
EVIA	E		18 50 58.6	E		18 51 23.0	0.10	0.5	125
EVAL	E		18 51 06.1	E		18 51 35.0			80
PAB	E		18 51 08.5	E	*	18 51 30.0			120
ECHE	E		18 51 19.4						95
TOL	E	*	18 51 21.0	E	*	18 51 57.0	0.03	0.8	85
EPLA	E		18 51 21.3						115
GUD	E		18 51 22.5	E		18 52 04.5	0.01	0.4	140
ETOR	I		18 51 28.7	E		18 52 13.5	0.02	0.5	125
MVO	I		18 51 38.0						

07-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO
	185026.4	37 02	-03 50		0.4	3.1	III AGRON.GR

ACU	E		06 17 25.0	E		06 17 59.8	0.01	0.3	85
ESEL	I		06 17 26.7	E		06 18 03.5	0.04	0.3	135
ENIJ	E	=	06 17 33.3	E	=	06 18 16.6	0.02	0.4	115
ECHE	E		06 17 39.3						
EVIA	E		06 17 45.0	E		06 18 36.7	0.02	0.4	185
EROQ	E		06 17 45.0	E		06 18 37.0	0.01	0.2	100
GUD	E		06 18 14.7	E		06 19 28.0			135
EPF		*	06 18 16.7			06 19 27.3	0.01	0.4	
IFR	I	*	06 18 23.5						

EST	I/E	W		HORA P	I/E	W		HORA S	AMP	PER	DUR
LMR				06 18 24.5				06 19 44.2	0.01	0.4	
LRG				06 18 25.9				06 19 46.2	0.01	0.4	
CVF				06 18 28.0				06 19 51.1	0.01	0.4	
AVE	E	*		06 18 36.0							

09-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	061637.6	36 31	02 39		0.4	3.6		EL AFFROUN.ARG

EPRU	E		11 35 18.3	E		11 35 24.5	0.06	0.7	62
EJIF	E		11 35 19.0	E		11 35 26.5	0.06	0.4	60
EHOR	E		11 35 27.8	E		11 35 42.5	0.03	0.2	53
EVAL	E		11 35 28.0	E		11 35 42.3	0.03	0.3	57
AFC				E		11 36 03.5			
EBAN	E		11 35 43.8	E		11 36 07.6	0.01	0.2	

09-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	113509.7	36 54	-05 48	7	0.3	2.7		ESPERA.CA

AFC	E		14 13 06.0	E		14 13 12.5	0.10	0.2	90
EBAN	I		14 13 09.7	I		14 13 18.1	0.11	0.2	100
EVIA	I		14 13 20.3	E		14 13 36.5	0.16	0.3	95
ENIJ	E		14 13 20.5	E		14 13 36.0	0.02	0.2	75
MAL	E		14 13 23.0	I		14 13 39.2	0.19	0.3	44
EHOR	E		14 13 26.0	E		14 13 46.0	0.10	0.3	
EALH	E		14 13 26.8	E		14 13 47.5			
EPRU	E		14 13 28.5	E		14 13 49.5			75
PAB	E	=	14 13 35.5	I	=	14 14 01.5			85
TOL				E	*	14 13 57.0			
GUD	E	=	14 13 54.5	E	=	14 14 30.3	0.01	0.4	115
EPLA	E	=	14 13 57.7	E	=	14 14 35.7	0.01	0.3	90

10-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	141259.2	37 40	-03 22		0.4	3.2		HUELMA.J

ERUA	I		05 13 58.7	E		05 14 06.0	0.04	0.2	43
EZAM	I		05 14 02.4	E		05 14 11.5	0.04	0.2	33
STS	I		05 14 06.4	E		05 14 20.0	0.05	0.2	33
MVO	I		05 14 09.0	I		05 14 24.0			
EMON	E		05 14 13.6	E		05 14 31.0			50
GUD	E	=	05 14 48.0	E	=	05 15 24.0	0.01	0.3	

11-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	051349.1	42 07	-07 45	5	0.2	3.0		ALLARIZ.OR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	I		11 23 26.9	E		11 23 33.8	0.03	0.2	30
EZAM	E		11 23 30.5	E		11 23 39.6	0.02	0.2	30
STS	E		11 23 35.0	E		11 23 47.7	0.03	0.2	24
EMON	E		11 23 41.7	E		11 23 59.2			41

11-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO
	112317.5	42 09	-07 45	3	0.2	2.8	ALLARIZ.OR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	E		14 25 02.0	E		14 25 9.0	0.02	0.2	25
EZAM	E		14 25 05.9	E		14 25 15.0	0.02	0.2	30
STS	E		14 25 10.0	E		14 25 23.0	0.02	0.2	30
MVO	E		14 25 13.5	I	*	14 25 27.0			
EMON	E		14 25 16.7	E		14 25 33.9			40
GUD	E	=	14 25 51.3	E	=	14 26 27.8			

11-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO
	142452.9	42 10	-07 45	4	0.2	2.7	ALLARIZ.OR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	I		02 38 10.2	E		02 38 17.0	0.03	0.2	27
EZAM	E		02 38 14.0	E		02 38 23.0	0.03	0.2	27
STS	E		02 38 18.1	E		02 38 31.0	0.03	0.2	30
MVO	I		02 38 22.0	I	*	02 38 35.5			
EMON	E		02 38 25.0	E		02 38 42.0			40
MTE					*	02 38 55.5			
GUD	E	=	02 39 00.1		=	02 39 36.2			

12-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO
	023801.1	42 10	-07 45	4	0.3	2.8	ALLARIZ.OR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	I		03 33 56.0	E		03 34 03.0	0.02	0.2	28
EZAM	E		03 34 00.0	E		03 34 9.0	0.02	0.2	25
STS	E		03 34 04.0	E		03 34 17.0	0.02	0.2	25
MVO	I		03 34 07.5	I	*	03 34 21.0			
EMON	E		03 34 11.0	E		03 34 28.5			38
MTE					*	03 34 41.5			

12-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO
	033346.9	42 09	-07 45	2	0.2	2.7	ALLARIZ.OR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		06 40 55.8						240
SRQ	I		06 40 58.5						
ATEJ	I		06 40 58.5	I	*	06 41 09.7			
EJIF	I		06 41 00.0						335
APHE	I		06 41 00.8	I	*	06 41 14.2			
EPRU	I		06 41 01.2						350

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALOJ	I		06 41 01.3	I		06 41 14.3			
OJEN	I		06 41 01.5						
ACHM	I		06 41 02.4	I		06 41 16.0			
MOMI	E		06 41 02.5	E		06 41 15.6			
AAPN	I		06 41 03.7	I		06 41 19.1			
CRT	I		06 41 05.8	I	*	06 41 23.3			
ASMO	I		06 41 05.9	I		06 41 22.7			
AFC	I		06 41 06.0	E		06 41 22.3			365
EMEL	I		06 41 09.5	E		06 41 29.0			210
EHOR	I		06 41 09.6	E		06 41 29.0			375
ALM	E		06 41 12.4	I		06 41 32.6			
EBAN	I		06 41 14.1	E		06 41 37.0			350
ENIJ	I		06 41 14.3	E		06 41 38.4	0.25	0.3	315
EVAL	I		06 41 16.8	E		06 41 42.0			320
TAF	I		06 41 18.0	I		06 41 46.5			
FIG	I		06 41 25.1	I		06 41 54.5			
IFR	I		06 41 25.5	I		06 41 56.0			
EVIA	I		06 41 26.0						365
FAR	I		06 41 26.5	I		06 41 56.5			
EALH	E		06 41 28.2	E		06 42 02.0			180
PAB	I		06 41 31.5	I	*	06 42 05.0			
TOL	I		06 41 36.5	I	*	06 42 14.0	1.20	1.1	400
MOE	I		06 41 38.5	I	*	06 42 18.0			
AVE	I		06 41 38.7	I		06 42 20.5			
EPLA	I		06 41 41.1	E		06 42 24.4			325
ACU	E		06 41 41.2	E		06 42 26.0			220
TOL	I	*	06 41 44.5	I	*	06 42 27.5	1.20	1.1	400
ECHE	I		06 41 46.3	E		06 42 34.0	0.23	0.8	340
LIS	I		06 41 46.8	I	*	06 42 32.8			
GUD	I		06 41 46.8	E		06 42 34.0			350
MTH	I		06 41 49.0	I	*	06 42 36.0			
MTE	I		06 41 51.7	I	*	06 42 41.5			
ETOR	I		06 41 54.5	E		06 42 48.5	0.30	0.4	335
COI	I		06 41 54.7	I	*	06 42 46.7			
MVO	I		06 41 58.0	I	*	06 42 53.0			
PTO	I		06 42 05.7	I	*	06 43 04.5			
TIO	I		06 42 06.0	I		06 43 08.0			
EROQ	E		06 42 09.2	E		06 43 13.0	0.05	0.2	280
EBR	E		06 42 10.0	E	*	06 43 12.0			
ERUA	I		06 42 15.1	E		06 43 24.5	0.24	0.5	260
ECRI	E		06 42 17.0	E		06 43 26.0	0.06	0.2	250
EZAM	I		06 42 18.6	E		06 43 31.3	0.10	0.4	245
STS	E		06 42 27.0	E		06 43 45.0	0.13	0.6	250
EMON	E		06 42 29.8	E		06 43 49.0	0.10	0.3	235

12-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	064042.4	36 17	-04 34	95	0.7	4.5	III	ALBORAN

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	I		12 14 49.5	E		12 14 56.4	0.10	0.2	65
EZAM	I		12 14 53.0	E		12 15 02.0	0.08	0.2	70
STS	E		12 14 57.4	E		12 15 10.0	0.05	0.2	75
MVO	I		12 15 00.5	I		12 15 16.0			
PTO	I		12 15 01.8	I	*	12 15 16.3			
EMON	E		12 15 03.5	E		12 15 21.4			80
MTE	E	=	12 15 12.3	I	=	12 15 34.5			
EPLA	E	=	12 15 21.5	E	=	12 15 51.0	0.01	0.2	
GUD	E		12 15 28.6	E		12 16 04.8	0.02	0.3	

12-DIC HO LAT LONG PRO RMS MAG IO
121440.1 42 09 -07 45 5 0.1 3.2 III ALLARIZ.OR

MTE	E	=	17 29 11.0	I	=	17 29 36.0			
ERUA	I		17 29 36.5	E		17 29 40.5	0.06	0.2	36
EMON	E		17 29 54.5	E		17 30 10.5			40
MVO	I		17 29 54.5	I		17 30 09.5			
EZAM	E		17 29 57.3	E		17 30 15.5	0.01	0.2	52
STS	E		17 29 58.4	E		17 30 16.3	0.01	0.2	32
EPLA	E		17 30 11.2				0.01	0.3	60
GUD	E	=	17 30 24.0	E	=	17 30 55.0	0.01	0.3	75

12-DIC HO LAT LONG PRO RMS MAG IO
172933.2 42 18 -06 53 3 0.4 2.7 SERRA DO EIXE.OR

ACHM	I		17 00 10.3	E	*	17 00 12.8			
ALOJ	I		17 00 10.9	E		17 00 14.1			
ATEJ	I		17 00 11.1	E		17 00 13.9			
APHE	I		17 00 11.9	E		17 00 15.5			
AAPN	E		17 00 13.3	E		17 00 17.9			
CRT	I		17 00 13.6	E		17 00 18.1			
ASMO	I		17 00 13.9	E		17 00 19.1			
AFC	I		17 00 14.3	E		17 00 19.8			160
MAL	I	=	17 00 16.3	I	=	17 00 23.8	3.14	0.3	116
EPRU	E		17 00 28.2	E		17 00 42.5	0.14	0.4	145
EBAN	E		17 00 28.7	E		17 00 43.4			135
ALM	E		17 00 30.4	I	*	17 00 48.1			
EHOR	E		17 00 32.0	E		17 00 50.3	0.10	0.3	145
ENIJ	E		17 00 33.0	E		17 00 51.6	0.06	0.3	130
EJIF	E		17 00 33.7	E		17 00 52.5	0.13	0.5	125
EVIA	E		17 00 40.6	E		17 01 05.0	0.17	0.4	150
EVAL	E		17 00 46.0	E		17 01 15.5	0.06	0.6	140
EALH	E	=	17 00 49.0	E	=	17 01 15.0			110
PAB	I		17 00 49.5						140
TOL	E		17 00 53.0	E	*	17 01 29.0	0.06	0.5	130
ECHE	E		17 01 01.6	E		17 01 42.0			125

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPLA	E		17 01 02.2	E		17 01 42.7	0.02	0.3	135
GUD	E		17 01 03.7	E		17 01 45.0	0.02	0.4	170
ETOR	E		17 01 10.2	E		17 01 55.6	0.06	0.4	160
MTE	E		17 01 15.0	I	*	17 02 25.0			
MOE	E	*	17 01 16.5	I		17 01 50.5			
MVO	I	=	17 01 18.5		=	17 02 12.5			

14-DIC *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

170008.5 37 04 -03 55 2 0.4 3.4 III AGRON.GR

POB			02 39 22.3			02 39 25.5			
MRB			02 39 28.6						
EBR				E		02 39 41.0			
EROQ	E		02 39 32.5	E		02 39 43.0	0.07	0.2	50
AVN			02 39 32.5			02 39 42.9			
FONT			02 39 37.1			02 39 50.8			
SQD			02 39 40.7			02 39 57.2			
OLT			02 39 42.0			02 39 59.0			
VIH			02 39 45.0			02 40 03.0			
MLS		=	02 39 50.0		=	02 40 12.5			
ETOR	E		02 39 59.8				0.01	0.4	70
GUD	E		02 40 21.5	E		02 41 08.3			

17-DIC *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

023918.5 41 13 01 16 5 0.3 3.0 N. TARRAGONA.T

MAL	E	09 39 53.6	I	09 39 59.0				
EPRU	E	09 39 56.0			0.04	0.7		
EJIF	E	09 39 59.0	E	09 40 07.0	0.01	0.2		
EHOR	E	09 40 08.3	E	09 40 24.3	0.01	0.3		
AFC	E	09 40 09.0						
EBAN	E	09 40 17.0	E	09 40 38.0	0.01	0.2		

18-DIC *HO* *LAT* *LONG* *PRO* *RMS* *MAG* *IO*

093948.2 36 44 -04 49 2 0.4 2.5 ALOZAINA.MA

EALH	E		15 11 06.0	E		15 11 14.5	0.02	0.6	
ENIJ	E		15 11 10.0	E		15 11 21.5	0.01	0.3	
EVIA	E		15 11 10.0	E		15 11 22.0	0.03	0.3	40
EBAN	E		15 11 17.0	E		15 11 34.0	0.02	0.2	45
ASMO	I		15 11 18.8	E	*	15 11 37.1			
APHE	I	*	15 11 22.4	E	*	15 11 44.6			
AAPN	I	*	15 11 23.9	E	*	15 11 46.7			
ALOJ	E	*	15 11 25.3	E	*	15 11 49.7			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ATEJ	E	*	15 11 25.8	E	*	15 11 51.4			
EHOR	E	=	15 11 39.5	E	=	15 12 08.7			
GUD	E		15 11 44.0	E		15 12 20.6			

18-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	151054.9	37 49	-02 11	14	0.4	2.7		N. VELEZ BLANCO.AL

EALH	E		16 25 24.4	E		16 25 32.8	0.03	0.5	
EVIA	E		16 25 28.5	E		16 25 40.2	0.04	0.3	50
ENIJ	E		16 25 28.7	E		16 25 41.2	0.01	0.2	
EBAN	E		16 25 35.5	E		16 25 52.5	0.02	0.3	55
AFC	E		16 25 36.0	E		16 25 52.5			
ASMO	I		16 25 37.1	E	*	16 25 56.6			
APHE	I	*	16 25 40.8	E	*	16 26 03.7			
AAPN	E		16 25 41.4	E	*	16 26 05.1			
ALOJ	E		16 25 43.1	E	*	16 26 07.3			
ATEJ	E	*	16 25 44.1	E	*	16 26 09.7			
EHOR	E	=	16 25 58.4	E	=	16 26 27.0			
GUD	E		16 26 01.3						

18-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	162513.7	37 51	-02 09	14	0.6	2.7		N. VELEZ BLANCO.AL

EALH	E		19 07 27.5	E		19 07 36.2	0.02	0.5	
EVIA	E		19 07 31.0	E		19 07 43.0	0.04	0.3	50
ENIJ	E		19 07 32.0	E		19 07 44.2	0.01	0.3	
EBAN	E		19 07 39.0	E		19 07 56.8	0.02	0.3	55
ASMO	I		19 07 40.8	E	*	19 08 00.2			
APHE	E	*	19 07 44.7	E	*	19 08 07.8			
AAPN	E	*	19 07 45.9	E	*	19 08 08.7			
ALOJ	E	*	19 07 47.0	E	*	19 08 11.0			
ATEJ	E	*	19 07 47.4	E	*	19 08 13.4			
PAB	E	*	19 08 01.0	E	*	19 08 28.0			

18-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	190716.3	37 51	-02 12	7	0.4	2.7		N. VELEZ BLANCO.AL

EALH	E		05 46 43.0	E		05 46 51.8	0.05	0.5	70
EVIA	E		05 46 47.3	E		05 46 58.0	0.09	0.3	90
ENIJ	E		05 46 48.8	E		05 47 02.0	0.02	0.3	65
EBAN	I		05 46 55.7	I		05 47 13.0	0.06	0.3	75
AFC	E		05 46 56.0	E		05 47 13.0	0.02	0.3	70
ASMO	E		05 46 57.4	E		05 47 15.4			
APHE	E		05 47 00.6	E	*	05 47 23.8			
ACHM	E		05 47 00.8	E	*	05 47 23.2			
AAPN	I		05 47 01.6	I	*	05 47 25.4			
ALOJ	I		05 47 03.6	E	*	05 47 26.9			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ATEJ	E		05 47 03.8	E		05 47 26.3			
TOL	E	*	05 47 10.0				0.03	0.8	80
PAB	E		05 47 10.0	E	*	05 47 32.0			125
EHOR	E		05 47 11.0	E		05 47 40.5	0.01	0.3	65
GUD	E	=	05 47 31.8	E	=	05 48 08.5	0.01	0.4	

19-DIC HO LAT LONG PRO RMS MAG IO
054633.1 37 55 -02 08 10 0.7 2.9 ROLLOS DE ARRIBA.MU

ATE			06 05 35.7	E		06 05 37.6			
BOH			06 05 38.1	E		06 05 42.5			
JAU			06 05 38.4	E		06 05 42.8			
EPF			06 05 46.0			06 05 57.6	0.18	0.2	
VIH			06 05 54.6			06 06 10.4			
ECRI	I	=	06 06 00.2	E	=	06 06 19.5			120
AVN			06 06 02.0			06 06 24.3			
LPO			06 06 06.0						
EROQ	E		06 06 13.0	E		06 06 44.0			115
MRB			06 06 13.1						
CAF			06 06 13.7			06 06 43.2	0.04	0.3	
ETOR	I		06 06 14.1	I		06 06 46.0	0.07	0.3	180
EBR	E	*	06 06 18.5	E	*	06 06 51.0			
OLT		=	06 06 20.0		=	06 06 51.8			
ETER	E	=	06 06 24.6	E	=	06 06 57.3	0.09	0.4	100
GUD	I		06 06 28.9	E		06 07 09.5	0.02	0.3	180
TOL				I		06 07 22.0			
ECHE	E	=	06 06 40.0	E	=	06 07 22.0	0.03	0.3	130
PAB	I		06 06 40.5	I		06 07 31.0			150
EVIA	E		06 06 44.0	E		06 07 36.4	0.03	0.5	150
EPLA	E		06 06 48.5	E		06 07 44.3			140
MVO	E		06 06 48.9	I		06 07 45.5			
EBAN	E		06 06 54.5						

19-DIC HO LAT LONG PRO RMS MAG IO
060532.5 43 15 -00 42 9 0.8 3.6 IV OLORON-ST.MARIE.FR

ETER	I	23 19 05.3	E	23 19 19.5	0.11	0.2	80
OLT		23 19 10.0		23 19 26.0			
LRG		23 19 12.4		23 19 31.3	0.09	0.2	
LMR		23 19 12.5		23 19 32.0	0.12	0.3	
FRF		23 19 15.3		23 19 36.9			
MRB		23 19 19.2		23 19 43.1			
VIH		23 19 28.5					
AVN		23 19 29.0					
ESEL	I	23 19 29.7	E	23 20 00.6	0.03	0.2	
CVF		23 19 32.2					
EROQ	I	23 19 37.3					90
ECHE	E	23 19 58.6					90

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ETOR	E		23 20 01.4	E		23 20 58.0			135
ECRI	I		23 20 01.5						
GUD	E		23 20 22.0	E		23 21 33.5			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
19-DIC	231845.5	42 25	04 32		0.8	3.6		MEDITERRANEO

ALJ	I	*	22 47 20.0								
EJIF	I		22 47 21.3								64
MOMI	I		22 47 22.5								
SRQ	I		22 47 24.8								
PLAT	E		22 47 25.0								
CNIL	E		22 47 26.0								
LIJA	E		22 47 27.0								
EPRU	E		22 47 29.8	E		22 47 38.5	0.05	0.7	55
EHOR	E		22 47 44.0	E		22 48 02.8			50
EVAL	E		22 47 44.7	E		22 48 03.8			45

	HO	LAT	LONG	PRO	RMS	MAG	IO	
20-DIC	224719.2	36 28	-05 37	2	0.4	2.5		ALCALA GAZULES.CA

EJIF	I		18 54 39.5								75
ALJ	I	*	18 54 40.0								
MOMI	I		18 54 42.5	E		18 54 45.0					
SRQ	I		18 54 43.0								
CNIL	I		18 54 47.0								
LIJA	I		18 54 48.5								
EPRU	E		18 54 49.5	E		18 54 57.8	0.08	0.8	80
EHOR	E		18 55 04.2	E		18 55 23.2	0.02	0.5	50
EVAL	E		18 55 06.0	E		18 55 26.4			
EBAN	E	=	18 55 21.7	E	=	18 55 48.8			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
21-DIC	185439.0	36 25	-05 31		0.3	2.7		JIMENA FRONTERA.CA

MTE	I		06 56 44.0	I		06 56 48.0					
COI	I		06 56 50.0	I		06 56 57.7					
PRL	I		06 56 55.0	I		06 57 06.0					
MVO	I		06 56 57.7	I		06 57 12.4					
EPLA	I		06 57 00.4	I		06 57 16.0	0.04	0.2	60
PTO	E		06 57 00.7	E		06 57 14.8			
MOE						06 57 30.5			
GUD	E	=	06 57 29.0	E	=	06 58 00.7			70

	HO	LAT	LONG	PRO	RMS	MAG	IO	
22-DIC	065639.0	40 11	-07 38	13	0.7	2.8		COVILHA.PORT

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	I		18 13 52.3	E		18 13 56.3	0.04	0.2	15
EZAM	E		18 14 04.6	E		18 14 17.4	0.01	0.2	23
STS	I		18 14 06.9	E		18 14 20.2	0.01	0.2	22
MVO	I		18 14 07.1	I		18 14 21.4			
EMON	E	=	18 14 10.5	E	=	18 14 26.0			

22-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	181347.3	42 14	-07 24	16	0.2	2.7		SERRA DE QUEIXA.OR

APHE	I		13 56 03.0	E		13 56 5.2			
ACHM	I		13 56 04.0	E		13 56 6.9			
CRT	I		13 56 04.7	E		13 56 6.1			
AFC	I		13 56 05.2						120
ATEJ	I		13 56 06.3	E		13 56 10.1			
ASMO	E		13 56 07.0	E		13 56 12.2			
ALOJ	I		13 56 07.2	I		13 56 12.7			
AAPN	E		13 56 10.2	E		13 56 15.8			
MAL	I		13 56 12.0	I		13 56 22.0	0.59	0.7	72
ALM	E		13 56 19.2	E	*	13 56 30.3			
EBAN	I		13 56 22.0	E		13 56 36.7	0.13	0.3	100
ENIJ	I		13 56 22.0	E		13 56 38.0	0.03	0.2	90
EHOR	E		13 56 26.5	E		13 56 45.8	0.02	0.2	100
EPRU	E	=	13 56 27.0	E	=	13 56 42.8	0.07	0.6	115
EJIF	E		13 56 27.8	E		13 56 47.6	0.09	0.8	100
LIJA	I	*	13 56 30.5						
EVIA	E		13 56 32.8	E		13 56 55.6	0.05	0.3	117
PAB	E	=	13 56 50.0	E	=	13 57 20.5			120
TOL	E	=	13 56 55.0	E	=	13 57 30.0			
EPLA	E		13 56 57.3						95
ETOR	E		13 57 02.5				0.01	0.4	135
GUD	E	=	13 57 13.0	E	=	13 57 54.3	0.02	0.4	100

25-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	135601.1	37 01	-03 41	7	0.6	3.2		PADUL.GR

ESEL	I		01 30 09.0	E		01 30 47.5	0.04	0.3	90
ENIJ	E	=	01 30 14.0	E	=	01 30 57.7	0.02	0.3	110
TAF	I		01 30 22.0	I	*	01 31 08.0			
ECHE	E		01 30 22.4	E		01 31 08.5			100
EVIA	E		01 30 26.4	E		01 31 17.8	0.04	0.4	130
EROQ	E		01 30 27.5	E		01 31 20.0	0.01	0.3	100
EBR	E		01 30 30.0						
AFC	E		01 30 32.0	E		01 31 25.8			
MRB			01 30 35.0						
EBAN	E		01 30 37.0	E		01 31 35.7			90
OLT			01 30 42.0		*	01 31 41.5			
AVN			01 30 42.3						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ETER	E		01 30 44.8	E		01 31 49.0			
PAB	E		01 30 50.0						150
GUD	E		01 30 57.0	E		01 32 11.0			100
IFR	I		01 30 59.0						
EPF			01 30 59.0				0.01	0.5	
LMR			01 31 07.0			01 32 27.3			
LRG			01 31 07.8			01 32 28.8			
CVF			01 31 09.4		*	01 32 32.6	0.01	0.4	

26-DIC *HO LAT LONG PRO RMS MAG IO*
012918.3 36 20 02 39 0.7 3.7 MEDEA.ARG

EHOR	I		04 32 27.1	E		04 32 39.4			160
PAB	I		04 32 33.2	I		04 32 50.5			200
EBAN	I		04 32 36.6	E		04 32 54.4			158
EPLA	I		04 32 36.7	E		04 32 55.0			165
EVAL	I		04 32 37.8	E		04 32 56.5	0.11	0.2	115
TOL	I		04 32 40.8	I	*	04 33 03.5	0.18	0.6	140
AAPN	E		04 32 41.1	E		04 33 04.1			
ALOJ	E		04 32 43.4	E		04 33 08.4			
ASMO	E		04 32 44.7	E	*	04 33 10.8			
EPRU	E	=	04 32 45.0	E	=	04 33 07.0	0.05	0.4	95
AFC	E		04 32 46.0	E		04 33 10.5	0.03	0.3	90
ATEJ	E		04 32 46.7	E		04 33 13.9			
GUD	E		04 32 47.6	E		04 33 14.5	0.06	0.3	185
APHE	E		04 32 47.9	E	*	04 33 17.9			
ACHM	E	=	04 32 48.5	E	=	04 33 13.0			
EVIA	I		04 32 48.8	E		04 33 16.0	0.13	0.3	155
MOE	E		04 32 50.0	I	*	04 33 19.5			
MTE	E	*	04 32 51.7	I	*	04 33 21.5			
MVO	I		04 32 53.9	I		04 33 27.9			
COI	E		04 32 54.3	I	*	04 33 32.3			
FIG	E	*	04 32 56.8	E	*	04 33 30.5			
EJIF	E	=	04 32 57.0	E	=	04 33 23.8	0.04	0.3	80
ENIJ	E		04 33 00.5	E		04 33 36.0	0.04	0.4	
PTO	E		04 33 03.2	I	*	04 33 37.2			
ETOR	E		04 33 03.5	E		04 33 42.3	0.06	0.5	180
ECHE	E		04 33 07.0						
ERUA	E		04 33 11.2	E		04 33 55.4			
STS	E		04 33 23.2	E		04 34 17.0			
EMON				E		04 34 19.5			

27-DIC *HO LAT LONG PRO RMS MAG IO*
043211.8 38 42 -05 29 8 0.7 3.6 III CASTUERA.BA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVAL	I		13 47 08.2	E		13 47 11.7			30
EHOR	I		13 47 24.0	E		13 47 39.0	0.03	0.3	43
FIG	I		13 47 26.7	I		13 47 42.7			
EPRU	E		13 47 27.9						
MOE	I		13 47 34.3	I		13 47 57.3			
EBAN	I		13 47 42.0	E		13 48 09.8			60

27-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	134705.5	37 37	-06 31		0.4	2.7		BERROCAL.H

MADF			20 20 57.3	E		20 21 04.2			
ATE			20 20 58.0	E		20 21 05.7			
ESCF			20 20 59.4	E		20 21 08.0			
ECRI	I		20 21 06.6	E		20 21 18.3			80
EPF			20 21 11.0			20 21 28.3	0.09	0.3	
VIH		*	20 21 18.4		*	20 21 41.2			
AVN			20 21 20.7		*	20 21 47.0			
ETOR	E		20 21 25.8	E		20 21 51.5	0.06	0.4	100
LFF			20 21 29.5			20 21 59.1	0.02	0.3	
MRB			20 21 32.6		*	20 22 09.1			
RJF			20 21 37.7		*	20 22 12.6	0.02	0.3	
EROQ	E	=	20 21 38.0	E	=	20 22 07.0	0.03	0.3	80
GUD	I		20 21 38.0	E		20 22 14.3	0.01	0.3	100
EBR	E	*	20 21 41.0	E	*	20 22 09.0			
ETER	E	=	20 21 51.4	E	=	20 22 29.0			

27-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
	202049.5	42 57	-01 20	7	0.5	3.3		GARRALDA.NA

ECHE	I		06 21 25.0	E		06 21 33.0			120
ACU	E		06 21 32.0	E		06 21 43.5	0.08	0.3	95
EBR	E		06 21 40.0						
EROQ	I		06 21 40.2	E		06 21 58.8	0.10	0.3	100
EVIA	I		06 21 45.3	E		06 22 07.3	0.10	0.3	130
EALH	E	=	06 21 48.2	E	=	06 22 10.2			
ETOR	E	=	06 21 51.0	E	=	06 22 15.0	0.09	0.3	135
ESEL	E		06 21 53.7	E		06 22 22.2	0.06	0.8	95
AVN			06 21 55.4						
MRB			06 21 57.0						
EBAN	I		06 22 00.5	E		06 22 34.5	0.03	0.3	100
PAB	I		06 22 03.0						
GUD	E		06 22 04.7	E		06 22 40.7	0.02	0.3	140
VIH			06 22 06.9						
AFC	E		06 22 07.0	E		06 22 43.8			
OLT			06 22 08.0						
TOL	I	*	06 22 09.5	E	*	06 22 45.0	0.08	0.9	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF			06 22 10.5				0.02	0.4	
ESCF			06 22 11.4						
EHOR	E		06 22 16.5	E		06 23 04.5	0.02	0.3	100
EPLA	E		06 22 23.2	E		06 23 12.5	0.02	0.4	

28-DIC HO LAT LONG PRO RMS MAG IO
062115.3 39 24 -00 17 17 0.6 3.4 III VALENCIA

ECHE	I		06 57 20.4	E		06 57 28.5			100
ACU	E		06 57 27.3	E		06 57 38.8	0.06	0.3	68
EBR	E		06 57 35.0						
EROQ	I		06 57 35.3	E		06 57 53.5	0.04	0.2	85
EVIA	E		06 57 41.0	E		06 58 02.7	0.07	0.3	105
EALH	E	=	06 57 45.4	E	=	06 58 07.5			
ETOR	E	=	06 57 45.8	E	=	06 58 08.5	0.06	0.3	112
ESEL	E		06 57 49.0	E		06 58 18.0			85
MRB			06 57 52.5						
AVN		*	06 57 54.0						
EBAN	E		06 57 55.7	E		06 58 30.7	0.02	0.3	100
PAB	I		06 57 58.0						
GUD	E		06 58 00.0	E		06 58 35.0	0.03	0.4	125
AFC	E		06 58 02.5						
TOL	I	*	06 58 05.0	I	*	06 58 42.0	0.05	0.9	
EPF			06 58 06.0				0.01	0.4	
VIH		*	06 58 08.8						
OLT		*	06 58 10.5						
EHOR	E		06 58 11.8	E		06 59 00.0			

28-DIC HO LAT LONG PRO RMS MAG IO
065710.6 39 25 -00 18 18 0.5 3.3 III VALENCIA

ENIJ	I		02 12 38.5	E		02 12 43.5	0.07	0.2	40
EALH	E		02 12 44.6						
AFC	E		02 12 54.0	E		02 13 11.0			
EVIA	E		02 12 56.5	E		02 13 15.4	0.02	0.2	39
EBAN	E		02 13 01.0	E		02 13 22.8	0.01	0.2	37

29-DIC HO LAT LONG PRO RMS MAG IO
021230.9 37 10 -01 48 20 0.2 2.9 E. MOJACAR

ERUA	I		16 41 48.3	I		16 41 55.0	0.10	0.2	110
EZAM	I		16 41 52.0	I		16 42 01.0			65
STS	E		16 41 56.2	I		16 42 09.0	0.09	0.2	100
MVO	I		16 41 59.3	I		16 42 15.0			
PTO	I		16 42 00.9	I		16 42 16.1			
EMON	I		16 42 03.0	I		16 42 21.0			80
MTE	E	=	16 42 11.0	I	=	16 42 33.5			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
COI				I	*	16 42 41.3			
EPLA	I		16 42 17.7	I		16 42 47.5	0.02	0.2	100
TOL	E	*	16 42 25.0	I	*	16 43 33.0			120
GUD	E		16 42 27.4	E		16 43 04.0	0.02	0.3	150
PRL	E	*	16 42 53.5		*	16 43 08.2			
MOE	E	*	16 43 15.5	E	*	16 43 33.0			

30-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO
	164138.8	42 09	-07 45	2	0.3	3.2	ALLARIZ.OR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	I		19 21 02.4	E		19 21 9.7	0.05	0.2	45
EZAM	I		19 21 06.0	E		19 21 15.4			
STS	E		19 21 10.5	I		19 21 23.3	0.04	0.2	65
MVO	E		19 21 13.2	I		19 21 28.5			
EMON	E		19 21 17.4	E		19 21 35.3			80
MTE	E	=	19 21 25.5	I	=	19 21 48.5			
GUD	E		19 21 42.0	E		19 22 18.0	0.01	0.3	115

30-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO
	192053.1	42 08	-07 45		0.2	2.9	ALLARIZ.OR

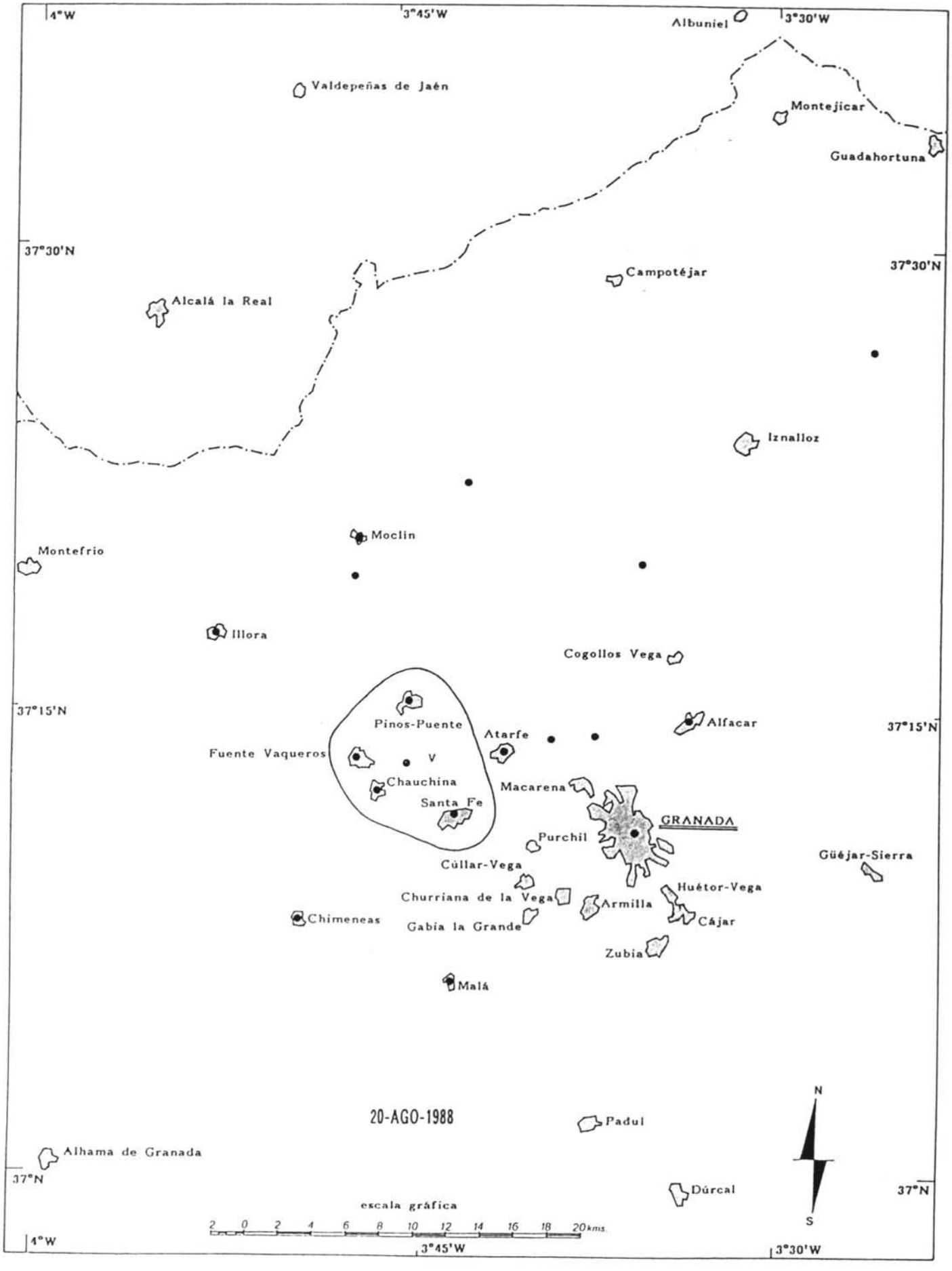
EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	I		20 55 13.0	E		20 55 19.8	0.03	0.2	40
EZAM	E		20 55 16.5	E		20 55 26.5			
MVO		=	20 55 18.0	E	=	20 55 33.5			
STS	E		20 55 21.0	E		20 55 34.0	0.03	0.2	55
EMON	E		20 55 28.0	E		20 55 45.7			65
MTE	E	=	20 55 36.0	I	=	20 55 58.0			
GUD	E		20 55 54.0	E		20 56 30.5	0.01	0.3	100

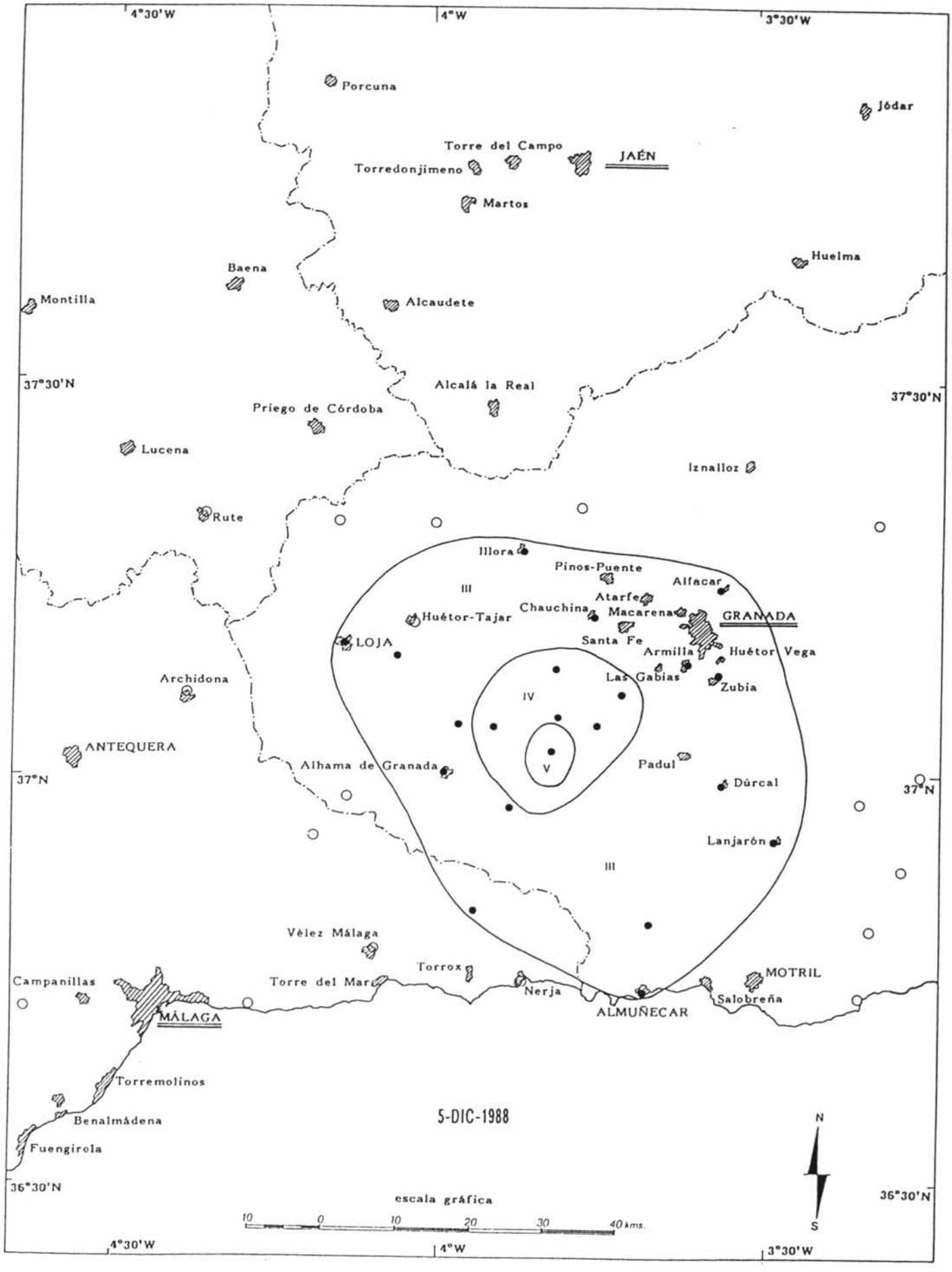
30-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO
	205504.2	42 10	-07 45		0.4	2.8	ALLARIZ.OR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	I		23 03 32.8	E		23 03 39.4	0.01	0.2	30
EZAM	E		23 03 36.2	E		23 03 45.7			
STS	E		23 03 40.9	E		23 03 54.0	0.02	0.2	25
MVO	I		23 03 45.0	I		23 03 59.0			
EMON	E		23 03 47.6	E		23 04 05.3			70
MTE						23 04 17.9			
GUD	E	=	23 04 22.5	E	=	23 04 59.0			

30-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO
	230323.7	42 10	-07 45		0.5	2.6	ALLARIZ.OR

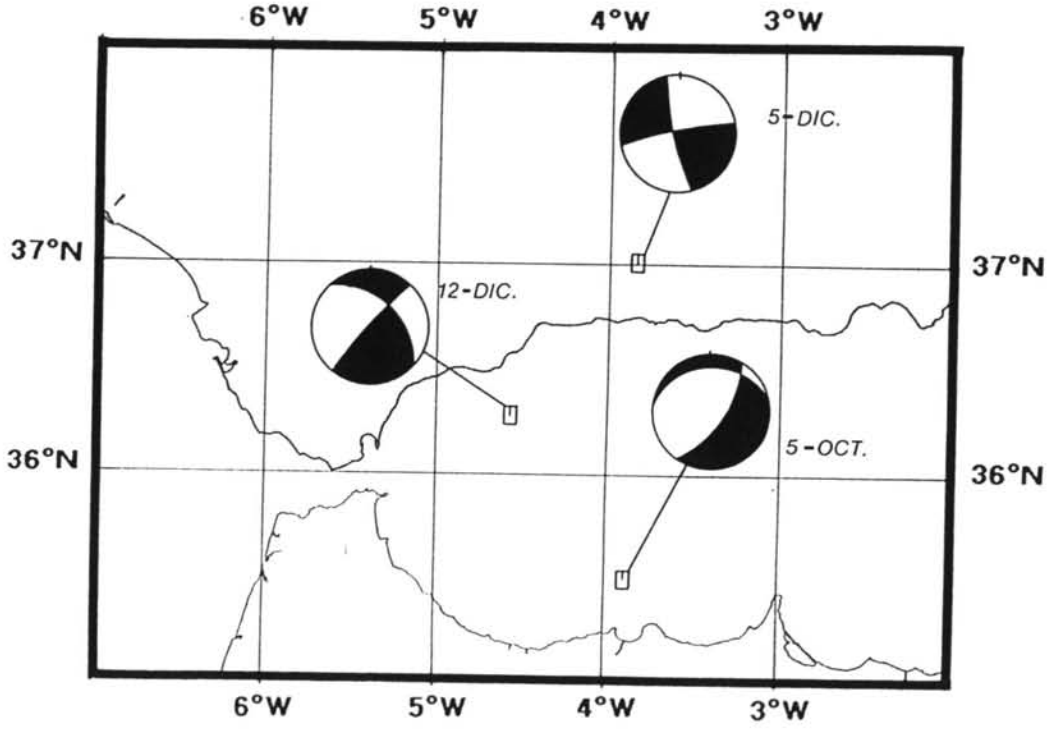
MAPAS DE ISOSISTAS


4°W
3°45'W
3°30'W
Albuniel
Valdepeñas de Jaén
Montejicar
Guadahortuna
37°30'N
Campotéjar
Alcalá la Real
Iznalloz
Moclin
Montefrio
Illora
Cogollos Vega
37°15'N
Pinos-Puente
Atarfe
Alfacar
Fuente Vaqueros
Chauchina
Santa Fe
Macarena
GRANADA
Purchil
Güéjar-Sierra
Cúllar-Vega
Huétor-Vega
Churriana de la Vega
Armilla
Chimeneas
Gabia la Grande
Cájar
Zubia
Malá
20-AGO-1988
Padul
Alhama de Granada
37°N
Dúrcal
N
S
escala gráfica
2 0 2 4 6 8 10 12 14 16 18 20kms.

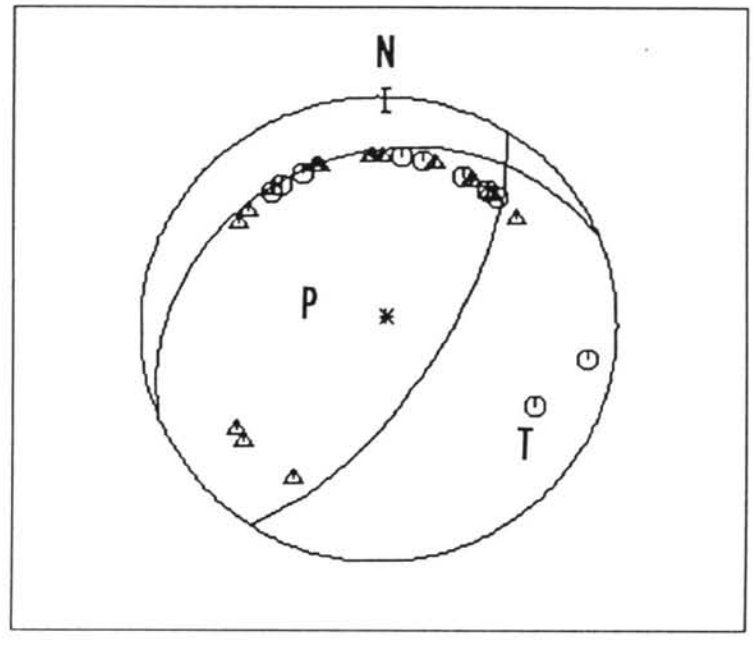

4°30'W
4°W
3°30'W
Porcuna
Jódar
Torre del Campo
Torredonjimeno
JAÉN
Martos
Huelma
Baena
Montilla
Alcaudete
37°30'N
Alcalá la Real
Priego de Córdoba
Lucena
Iznalloz
Rute
Illora
Pinos-Puente
Alfacar
III
Atarfe
Chauchina
Macarena
GRANADA
Huétor-Tajar
LOJA
Santa Fe
Armilla
Huétor Vega
Archidona
Las Gabias
Zubia
IV
ANTEQUERA
Alhama de Granada
Padul
37°N
V
Dúrcal
Lanjarón
III
Vélez Málaga
Torrox
Campanillas
Torre del Mar
Nerja
MOTRIL
Salobreña
MÁLAGA
ALMUÑECAR
Torremolinos
Benalmádena
5-DIC-1988
Fuengirola
36°30'N
N
S
escala gráfica
10 0 10 20 30 40 kms.

MECANISMOS FOCALES

MECANISMOS FOCALES 1.988



5-OCTUBRE-1.988 NORTE DE ALHUCEMAS



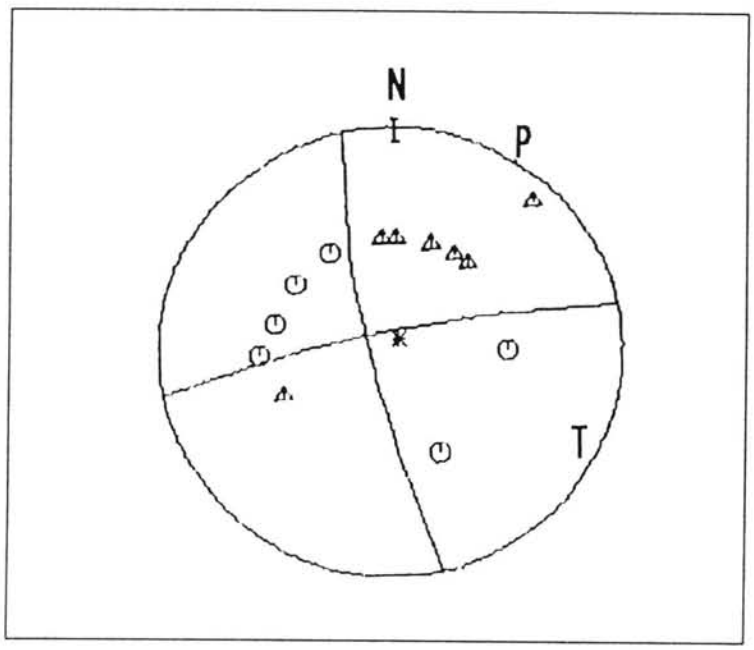
HO = 00h 42m 11.0s **Lon** = 3° 53.6'W **Lat** = 35° 30.1'N **h** = 11Km **Mb** = 4.0

	ACIMUT	BUZAMIENTO	
Eje T	133° ± 10°	68° ± 3°	
Eje P	279° ± 11°	26° ± 6°	
	ACIMUT	**BUZAMIENTO**	**ANG.DESL.**
Plano A	248° ± 17°	26° ± 3°	-58° ± 22°
Plano B	32° ± 9°	68° ± 4°	-105 ± 10°

Número de observaciones = 28

Indice de acierto = 0.68

5-DICIEMBRE-1.988 AGRON (GRANADA)



HO = 20h 12m 26.9s **Lon** = 3° 50.4'W **Lat** = 37° 00.5'N **h** = 7Km **Mb** = 4.0

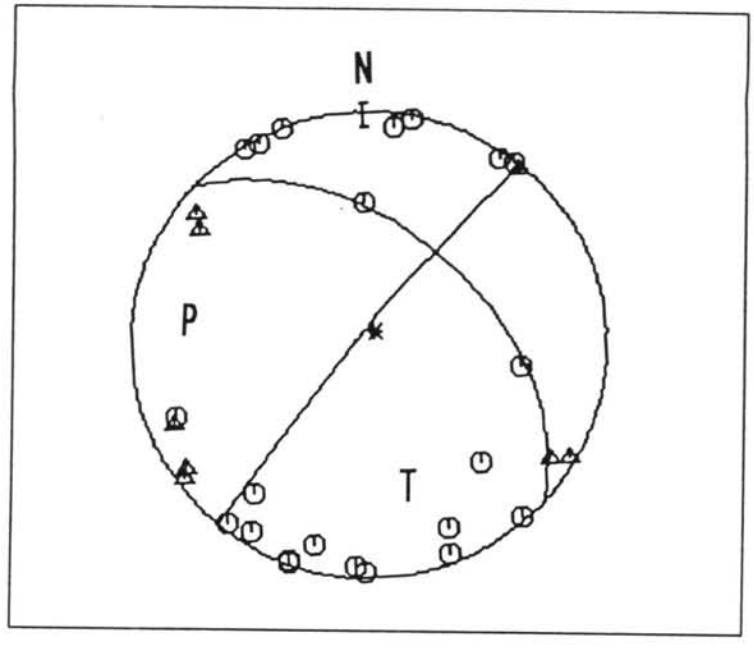
	ACIMUT	BUZAMIENTO
Eje T	124° ± 29°	80° ± 8°
Eje P	394° ± 16°	89° ± 22°

	ACIMUT	BUZAMIENTO	ANG.DESL.
Plano A	169° ± 18°	82° ± 16°	7° ± 18°
Plano B	259° ± 17°	83° ± 18°	172 ± 16°

Número de observaciones = 13

Indice de acierto = 1.00

12-DICIEMBRE-1.988 ALBORAN



HO = 06h 40m 42.4s **Lon** = 4° 34.3'W **Lat** = 36° 17.0'N **h** = 95Km **Mb** = 4.5

	ACIMUT	BUZAMIENTO
Eje T	171° ± 1°	60° ± 3°
Eje P	276° ± 2°	66° ± 2°

	ACIMUT	BUZAMIENTO	ANG.DESL.
Plano A	316° ± 2°	50° ± 3°	175° ± 4°
Plano B	222° ± 1°	86° ± 3°	40 ± 3°

Número de observaciones = 30

Indice de acierto = 0.97

SISMICIDAD DE LAS ISLAS CANARIAS AÑO 1.988

-Resumen de sismos localizados

-Mapa de sismicidad por magnitudes

-Datos del cálculo hipocentral

LEYENDA

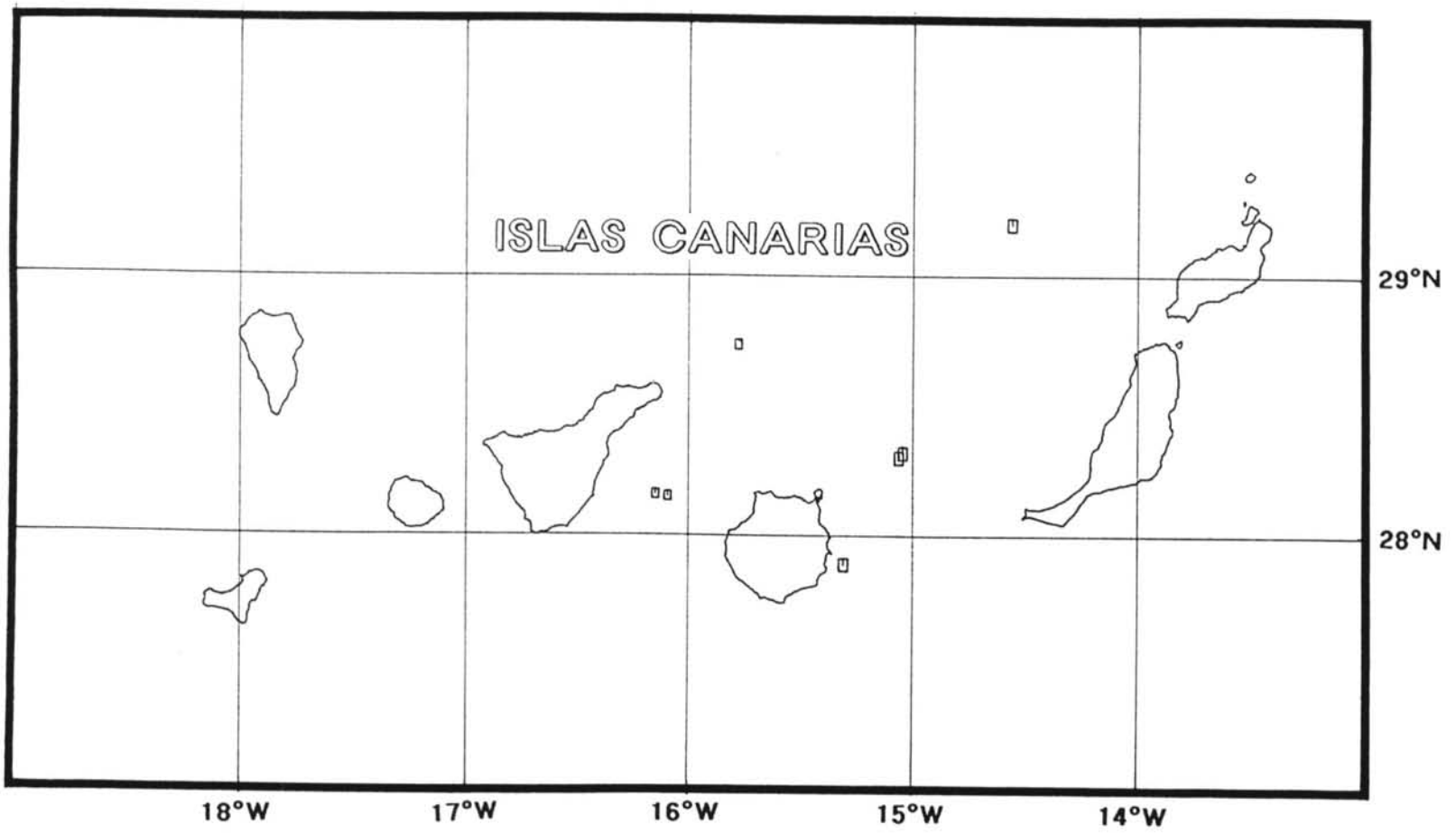
FECHA	Año - mes - dia
HORA	Hora origen (GMT)
LONGITUD	Longitud en grados, minutos y decimas
LATITUD	Latitud en grados, minutos y decimas
PRO	Profundidad en kilómetros
RMS	Error cuadrático medio de la hora origen, en segundos
EH	Error epicentral en kilómetros
EZ	Error en profundidad en kilómetros
NO	Número de observaciones utilizadas en el cálculo
AGEN	**Servicio Nacional de Sismologia, IGN España**
MAG	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

ISLAS CANARIAS

RESUMEN DE SISMOS LOCALIZADOS

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1988-04-23	05-47-20.7	15-46.6 W	28-44.3 N	24	0.1	4		6	SSIS	2.4		TENERIFE-G.CANARIA
1988-08-27	09-17-36.9	15-02.7 E	28-19.1 N		0.8			7	SSIS	3.7		G.CANARIA-FUERTEVENTURA
1988-08-30	04-41-37.0	15-18.4 E	27-53.0 N		0.8			6	SSIS	3.2		E.INGENIO (G.CANARIA)
1988-11-14	19-14-27.0	16-08.8 E	28-09.4 N	20	0.2	4		7	SSIS	2.9		TENERIFE-G.CANARIA
1988-11-15	09-40-34.4	16-05.6 E	28-09.0 N		0.5			5	SSIS	2.1		TENERIFE-G.CANARIA
1988-11-29	04-27-37.8	15-03.7 E	28-18.0 N		0.6			7	SSIS	3.3		G.CANARIA-FUERTEVENTURA
1988-11-30	05-53-55.1	14-33.5 E	29-12.3 N		0.1	1		5	SSIS	3.1		ATLANTICO

SISMICIDAD 1.988 POR MAGNITUD



MAGNITUD Md

<2.0

2.0<= <3.0

3.0<= <4.0

LEYENDA

EST	Código de la estación
I/E	Fase impulsiva (I) o emergente (E)
W	Peso de la lectura en el cálculo. " * " Peso nulo. " = " 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	Periodo en segundos.
DUR	Duración del registro del sismo en segundos.

FECHA	Día y mes
HO	Hora origen (GMT)
LAT	Latitud en grados y minutos. Siempre Norte.
LONG	Longitud en grados y minutos. Signo "menos" al Oeste.
PRO	Profundidad en kilometros.
RMS	Error cuadrático medio de la hora origen en segundos.
MAG	Magnitud m_d a partir de la duración.
IO	Intensidad, escala M.S.K.

DATOS UTILIZADOS PARA EL CALCULO HIPOCENTRAL

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CTFE	I		05 47 29.5	I		05 47 36.3	0.1		38
GGC	I		05 47 31.5	I		05 47 39.2	0.1		29
TBT				E		05 48 09.5			

23-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
	054720.7	28 44	-15 47	24	0.1	2.4		TENERIFE-G.CANARIA

GGC	I		09 17 46.3	E		09 17 56.2	0.1		118
CTFE	I		09 17 54.3	I		09 18 07.0	0.2		150
TBT	I		09 18 13.7	E		09 18 40.7	0.1		65
CVVD				I		09 18 43.0	0.2		

27-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	091736.9	28 19	-15 03		0.8	3.7		G.CANARIA-FUERTEVENTURA

GGC	I		04 41 43.6	E		04 41 51.0	0.2		83
CTFE	I		04 41 53.3	I		04 42 05.5	0.3		70
CVVD				E		04 42 37.3	0.2		
TBT				I		04 42 37.8	0.2		

30-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
	044137.0	27 53	-15 18		0.8	3.2		E.INGENIO (G.CANARIA)

CTFE	I		19 14 33.8	I		19 14 38.5	0.2		54
GGC	I		19 14 35.0	I		19 14 41.1	0.2		50
TBT				I		19 15 10.1			
CFTV	I		19 14 55.1	I		19 15 14.8	0.2		55

14-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
	191427.0	28 09	-16 09	20	0.2	2.9		TENERIFE-G.CANARIA

GGC	I		09 40 41.3	I		09 40 47.6	0.2		28
CTFE	E		09 40 42.0	E		09 40 46.0	0.2		24
CFTV				E		09 41 21.5			

15-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
	094034.4	28 09	-16 06		0.5	2.1		TENERIFE-G.CANARIA

EST	I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
GGC	I	04 27 46.2	E	04 27 54.9	0.2		75
CFTV	I	04 27 52.3	I	04 28 02.5	0.2		72
CTFE	I	04 27 54.8	I	04 28 08.1	0.3		70
TBT	E	04 28 14.5	I	04 28 40.5	0.2		52

29-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
	042737.8	28 18	-15 04		0.6	3.3		G.CANARIA-FUERTEVENTURA

EST	I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
CFTV	I	05 54 09.4	I	05 54 20.0	0.2		70
GGC	I	05 54 17.0	I	05 54 33.4	0.2		48
CTFE			I	05 54 38.6			

30-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
	055355.1	29 12	-14 34		0.1	3.1		ATLANTICO

PVP: 1.000 Ptas.