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BOLETIN DE SISMOS PROXIMOS 1987

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INSTITUTO GEOGRAFICO NACIONAL

BOLETIN DE SISMOS PROXIMOS

AÑO 1.987

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BOLETIN DE SISMOS PROXIMOS AÑO 1.987

INDICE

INTRODUCCION

El **Servicio Nacional de Sismología** del **INSTITUTO GEOGRAFICO NACIONAL** reanuda con esta publicación la edición, con caracter anual, de Boletines definitivos de Sismos Próximos.

Durante este año de 1.987, la **Red Sísmica Nacional** se ha visto ampliada con siete nuevas estaciones de corto periodo, transmisión por via telefónica y registro analógico y digital, quedando configurada a finales de 1.987 tal como se ve en la figura de la página 12. A esta se acompaña de un cuadro con las características y situación de todas las estaciones símicas del Instituto Geográfico Nacional, operativas a finales de 1.987.

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 entre los paralelos 27°N-30°N y los meridianos 19°W-13°W.

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 Geològic de Catalunya, Universidad de Granada* — y los suministrados por organismos extranjeros —*C.R.A.A.G. (Argelia), Institut de Physique du 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 macrosísmica ha sido recopilada mediante el envio y posterior evaluación (en la escala M.S.K.) de cuestionarios de información, que con la colaboración de los Ayuntamientos y puestos de la Guardia Civil se distribuyen a la población en caso de terremoto sentido. Mención especial de agradecimiento merece la constante colaboración prestada, desde hace ya tantos años, de *Mr. Pierre Stahl*, en la recopilación y evaluación de datos macrosísmicos en el Pirineo Frances.

Con toda esta información ha sido posible trazar los Mapas de Isosistas, en la escala M.S.K., correspondientes a tres sismos que se muestran en la página 145 y sucesivas.

Las determinaciones hipocentrales, han sido realizadas mediante el programa de cálculo **HYPO71** de **W.H.K. Lee y J.C. Lahr (1.975)**, utilizando los modelos estratificados de corteza de la figura 1.

Para el cálculo de la magnitud se utiliza el máximo sostenido de la onda Lg obteniendose $m_b(Lg)$ de acuerdo con las expresiones (**Mezcua y M.Solares 1983**):

$$m_b(Lg) = 3.90 + 1.05 \log(\Delta^\circ) + \log(A/T) \quad \text{Para } D^\circ < 3^\circ$$
$$m_b(Lg) = 3.30 + 1.66 \log(\Delta^\circ) + \log(A/T) \quad \text{Para } D^\circ > 3^\circ$$

siendo Δ° la distancia epicentral expresada en grados, y A/T el cociente entre la amplitud máxima de la fase Lg y su periodo correspondiente.

En el caso de los sismos de Canarias, la magnitud es determinada en funcion de la duración del sismo, de acuerdo con la expresion:

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

siendo T'' la duracion del sismo en segundos, y D la distancia epicentral expresada en kilometros.

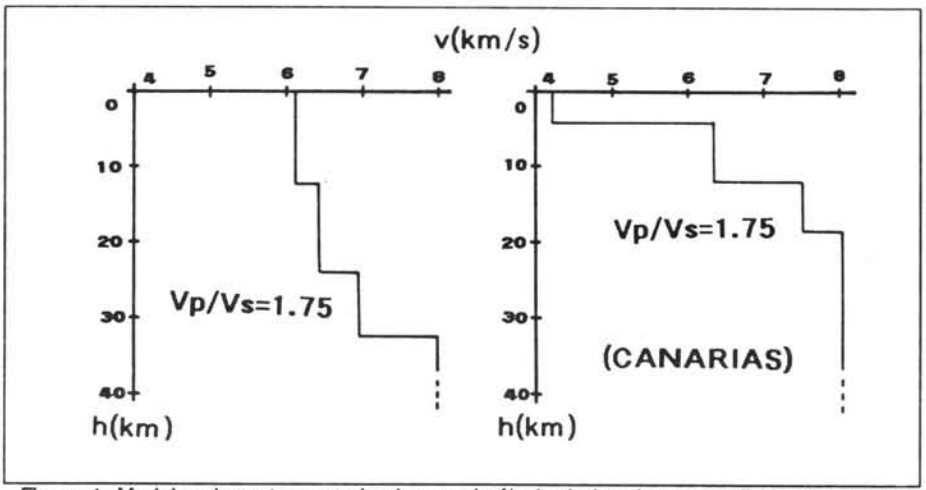

Figura 1: Modelos de corteza empleados en el cálculo de los sismos mediante el programa HYPO71.

En la determinación del mecanismo focal, se ha utilizado el método numérico basado en el algoritmo de **Brillinger et al (1.980)**, que permite estimar la orientación de los ejes y planos de falla asi como de sus desviaciones típicas (**Udias y Buforn, 1.988**).

Referencias:

- **Brillinger, D.R. Udias, A. and Bolt, B.A., 1.980. A probability model for regional focal mechanism solutions.** *Bull. Seism. Soc. Am., 70: 149-170.*
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Madrid, septiembre de 1.990

ESTACIONES SISMICAS DEL INSTITUTO GEOGRAFICO NACIONAL

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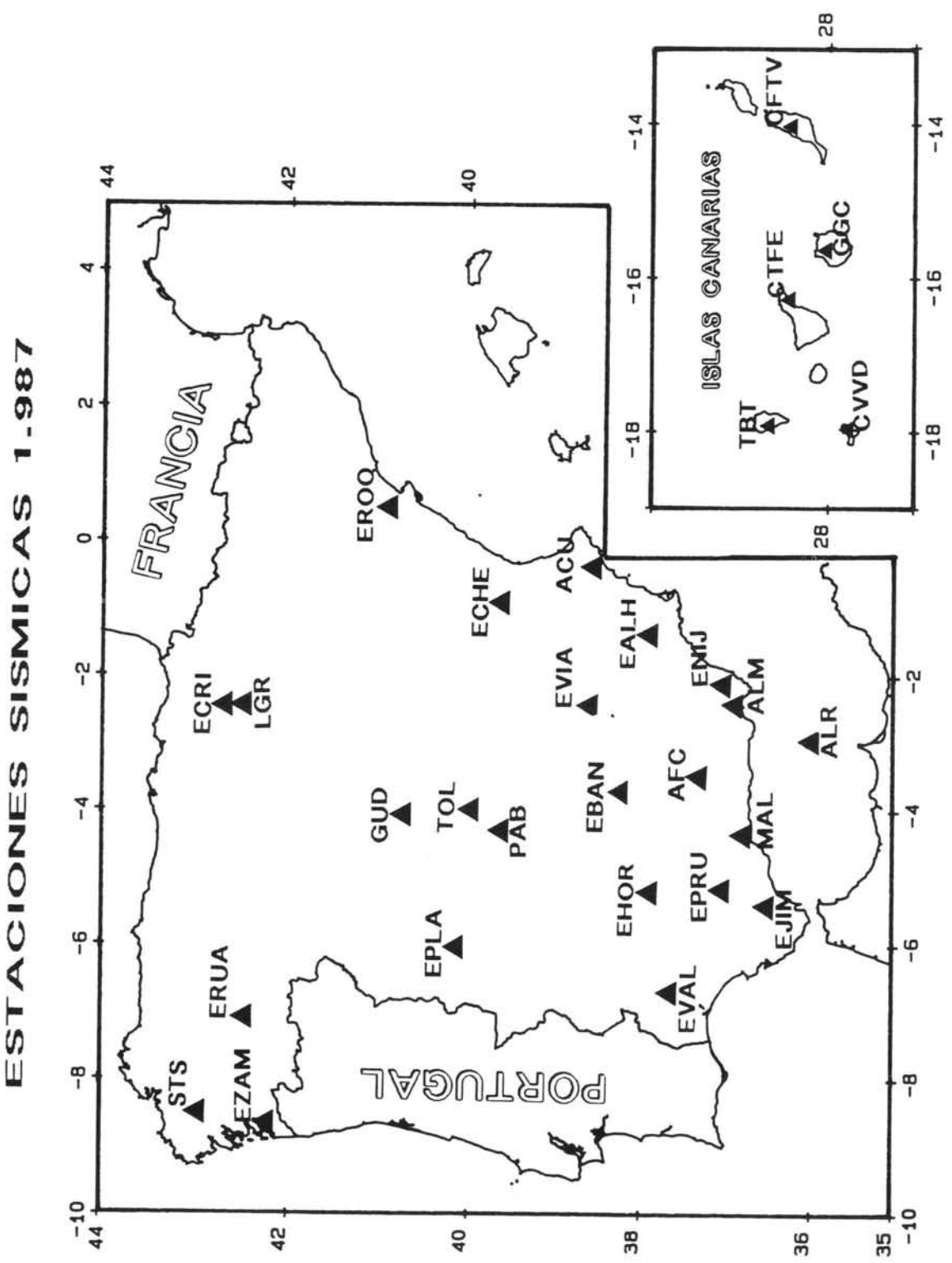
ESTACION	CODIGO	Longitud	Latitud	Alt.	Comp.	T_o	Registro
AGUARIJO-EL HIERRO	CVVD	17° 56′ 10″ W	27° 49′ 15″ N	450	Z	1	Tinta 60mm/′
ALBORAN	ALR	03° 02′ 06″ W	35° 56′ 21″ N	10	ZNE	1	Tinta 120mm/′
ALFACAR-GRANADA	AFC	03° 32′ 42″ W	37° 15′ 16″ N	1.490	Z	1	Térmico 60mm/′ & Digital
ALHAMA-MURCIA	EALH	01° 25′ 11″ W	37° 51′ 29″ N	294	Z	1	Térmico 60mm/′ & Digital
ALMERIA	ALM	02° 27′ 35″ W	36° 51′ 09″ N	65	ZNE	1.3	Tinta 60mm/′
BAÑOS-JAEN	EBAN	03° 47′ 08″ W	38° 09′ 52″ N	460	Z	1	Térmico 60mm/′ & Digital
BETANCURIA-FUERTEVENTURA	CFTV	14° 05′ 00″ W	28° 24′ 50″ N	540	Z	1	Tinta 120mm/′
CANALOBRE-ALICANTE	ACU	00° 24′ 38″ W	38° 30′ 41″ N	580	Z	1	Térmico 60mm/′ & Digital
CHERA-VALENCIA	ECHE	00° 58′ 04″ W	39° 35′ 27″ N	643	Z	1	Térmico 60mm/′ & Digital
CRIPAN-ALAVA	ECRI	02° 30′ 36″ W	42° 36′ 32″ N	807	Z	1	Térmico 60mm/′ & Digital
GUADARRAMA-MADRID	GUD	04° 09′ 13″ W	40° 38′ 35″ N	1.268	Z	1	Térmico 60mm/′ & Digital
GUIA-GRAN CANARIA	GGC	15° 38′ 12″ W	28° 07′ 11″ N	560	Z	1	Tinta 120mm/′
HORNACHUELOS-CORDOBA	EHOR	05° 14′ 53″ W	37° 49′ 23″ N	160	Z	1	Térmico 60mm/′ & Digital
JIMENA-CADIZ	EJIM	05° 28′ 08″ W	36° 27′ 05″ N	260	Z	1	Térmico 60mm/′ & Digital
LA RUA-ORENSE	ERUA	07° 08′ 33″ W	42° 23′ 33″ N	431	Z	1	Térmico 60mm/′ & Digital
LAS MESAS-TENERIFE	CTFE	16° 15′ 44″ W	28° 28′ 46″ N	270	ZNE	0.85	Tinta 120mm/′
LOGROÑO	LGR	02° 30′ 12″ W	42° 27′ 28″ N	446	ZNE	1.3	Tinta 90mm/′
MALAGA	MAL	04° 24′ 40″ W	36° 43′ 39″ N	60	ZNE		Térmico 60mm/′
NIJAR-ALMERIA	ENIJ	02° 12′ 25″ W	36° 58′ 18″ N	440	Z	1	Térmico 60mm/′ & Digital
PLASENCIA-CACERES	EPLA	06° 04′ 49″ W	40° 03′ 51″ N	591	Z	1	Térmico 60mm/′ & Digital
PRUNA-SEVILLA	EPRU	05° 13′ 53″ W	36° 57′ 58″ N	560	Z	1	Térmico 60mm/′ & Digital
ROQUETAS-TARRAGONA	EROQ	00° 24′ 32″ E	40° 49′ 24″ N	284	Z	1	Térmico 60mm/′ & Digital
SAN PABLO-TOLEDO	PAB	04° 20′ 54″ W	39° 32′ 45″ N	938	ZNE	1	Tinta 60mm/′ & Digital
SANTIAGO-CORUÑA	STS	08° 33′ 03″ W	42° 53′ 10″ N	265	Z	1	Térmico 60mm/′ & Digital
TABURIENTE-LA PALMA	TBT	17° 54′ 52″ W	28° 40′ 46″ N	180	Z	1	Tinta 120mm/′
TOLEDO	TOL	04° 02′ 55″ W	39° 52′ 53″ N	480	ZNE		Térmico 60mm/′ & Digital
VALVERDE-HUELVA	EVAL	06° 44′ 51″ W	37° 35′ 03″ N	295	Z	1	Térmico 60mm/′ & Digital
VIANOS-ALBACETE	EVIA	02° 30′ 09″ W	38° 38′ 19″ N	1.142	Z	1	Térmico 60mm/′ & Digital
ZAMANS-PONTEVEDRA	EZAM	08° 41′ 42″ W	42° 08′ 56″ N	398	Z	1	Térmico 60mm/′ & Digital



INSTITUTO GEOGRÁFICO NACIONAL

SISMICIDAD AÑO 1.987

-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 m_b 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

SISMOS LOCALIZADOS AÑO 1.987

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1987-01-01	15-43-12.4	02-57.4 W	36-28.3 N	5	0.5	4	7	11	SSIS	2.7		P	ALBORAN
1987-01-02	08-14-52.4	03-30.4 W	35-22.2 N	31	0.6	2		27	SSIS	3.6			ALBORAN
1987-01-03	18-08-14.6	03-32.2 W	35-23.6 N	27	0.6	3	5	21	SSIS	3.1		R	ALBORAN
1987-01-04	04-16-40.4	05-21.2 W	37-02.6 N	6	0.4	2	2	22	SSIS	3.4			SIERRA DE S.JUAN.SE
1987-01-04	06-41-57.4	03-31.5 W	35-28.3 N	8	0.5	2	3	26	SSIS	3.6		R	ALBORAN
1987-01-04	08-02-26.6	05-22.1 W	37-00.6 N	8	0.3	2	2	14	SSIS	2.8		R	SIERRA DE S.JUAN.SE
1987-01-04	20-01-43.9	00-49.8 E	42-21.0 N	9	0.4	4	2	10	SSIS	2.8			PERVES.L
1987-01-06	00-19-19.6	10-22.4 W	36-59.7 N	29	0.5	4	7	42	SSIS	3.9			W.CABO SAN VICENTE
1987-01-08	08-46-16.2	02-00.0 W	37-44.7 N	5	0.2	1	1	13	SSIS	3.3			SIERRA DEL GIGANTE.MU
1987-01-08	08-57-37.5	01-58.3 W	37-44.0 N	6	0.3	2	3	9	SSIS	2.7		R	SIERRA DEL GIGANTE.MU
1987-01-08	09-03-39.3	02-01.2 W	37-44.0 N	5	0.2	1	1	13	SSIS	3.3		R	SIERRA DEL GIGANTE.MU
1987-01-08	23-10-13.4	03-33.7 W	35-22.0 N	6	0.6	2	3	44	SSIS	4.3	III	S	ALBORAN
1987-01-11	21-50-24.1	06-38.6 W	37-33.8 N	5	0.4	3	3	9	SSIS	2.7			VALVERDE DEL CAMINO.H
1987-01-15	04-32-08.4	07-47.0 W	42-07.2 N	6	0.5	2	3	14	SSIS	3.3	III		XINZO DE LIMIA.OR
1987-01-16	01-51-44.3	03-47.9 W	37-12.8 N	40	0.3	2	2	14	SSIS				FUENTE VAQUEROS.GR
1987-01-16	08-29-31.5	03-49.3 W	37-06.4 N	5	0.4	1	4	15	SSIS	2.8			CHIMENEAS.GR
1987-01-19	10-21-40.8	00-09.6 E	43-01.3 N	5	0.5	3	3	15	SSIS	3.5	IV		BAGNERES DE BIGORRE.FR
1987-01-22	04-17-56.0	01-58.9 W	37-43.4 N	5	0.4	1	2	14	SSIS	2.7			SIERRA DEL GIGANTE.MU
1987-01-22	07-55-20.6	03-40.9 W	37-12.2 N	5	0.6	2	2	19	SSIS	2.7			GRANADA.GR
1987-01-22	16-59-52.6	03-32.2 W	43-18.3 N	10	0.4	2	2	19	SSIS	3.4			RAMALES DE LA V.S
1987-01-25	19-05-17.2	01-01.8 W	43-08.0 N	8	0.4	3	1	15	SSIS	2.6			PIRINEOS
1987-01-26	11-11-41.5	01-32.4 E	35-54.1 N	5	0.6	2	2	45	SSIS	4.9			MOLIERE.ARG
1987-01-26	21-38-09.6	01-25.9 E	35-54.2 N	18	0.5	5	4	14	SSIS	3.8			AMMI MOUSSA.ARG
1987-01-28	03-37-47.5	02-33.1 E	42-16.5 N	8	0.2	6	3	7	SSIS	2.5			OIX.GE
1987-01-30	03-07-52.5	02-35.3 W	37-22.0 N	7	0.4	2	4	17	SSIS	3.1			SERON.AL
1987-02-02	14-52-59.6	06-17.1 W	37-52.0 N	5	0.5	2	3	14	SSIS	2.9			ZUFRE.H
1987-02-04	23-29-41.1	08-47.5 W	42-58.3 N	9	0.4	7	7	7	SSIS	2.8	IV		NEGREIRA.C
1987-02-05	05-35-21.4	03-28.7 W	35-32.4 N	5	0.8	4	6	24	SSIS	3.1			ALBORAN
1987-02-06	19-04-10.6	08-13.9 W	36-09.4 N	30	0.6	2	5	34	SSIS	3.1			ATLANTICO
1987-02-07	17-13-25.3	01-49.6 E	42-32.9 N	5	0.3	1	2	9	SSIS	3.3			PORTE.FR
1987-02-09	14-58-19.6	04-15.4 W	37-02.4 N	12	0.5	1	2	21	SSIS	2.7			SIERRA DE LOJA.GR
1987-02-10	12-17-42.8	06-17.3 W	37-50.3 N	5	0.3	1	2	12	SSIS	2.9			ZUFRE.H
1987-02-11	07-40-04.2	02-18.9 W	37-24.5 N	5	0.4	2	3	12	SSIS	2.9			OLULA DEL RIO.AL
1987-02-13	23-00-32.6	08-14.4 W	38-11.7 N	13	0.4	2	2	19	SSIS	3.3			ODIVELAS.PORT
1987-02-14	02-17-39.7	04-36.3 W	37-12.2 N	20	0.4	2	2	16	SSIS	2.6			ALAMEDA.MA
1987-02-19	02-17-52.3	05-01.5 W	43-02.9 N	5	0.6	4	4	15	SSIS	3.1			RIAÑO.LE
1987-02-19	07-43-37.3	00-24.7 W	42-56.3 N	5	0.3	2	3	12	SSIS	3.2	IV		EAUX-BONNES.FR
1987-02-23	22-22-10.6	07-38.1 W	39-48.4 N	29	0.3	1	3	16	SSIS	3.2	III		CASTELO BRANCO.PORT
1987-02-25	04-57-00.7	00-22.9 W	38-58.9 N	15	0.4	2	2	16	SSIS	3.1			PINET.V
1987-02-25	23-26-37.1	05-33.4 W	37-45.4 N	5	0.2	1	1	12	SSIS	2.9			CONSTANTINA.SE

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1987-02-26	08-09-49.9	01-16.2 E	35-57.2 N	26	0.5	3	6	19	SSIS	3.9			MASSENA.ARG
1987-02-28	04-01-21.8	01-28.9 E	35-52.6 N	5	0.6	2	2	35	SSIS	4.0			MOLIERE.ARG
1987-03-01	14-10-33.3	03-33.3 W	35-25.1 N	27	0.7	3	7	39	SSIS	3.3			ALBORAN
1987-03-03	10-41-53.8	00-34.4 W	43-08.4 N	6	0.9	3	2	27	SSIS	3.9			ASASP.FR
1987-03-03	10-42-50.9	00-38.1 W	43-06.1 N	5	0.5	2	1	15	SSIS	3.6		R	ASASP.FR
1987-03-03	16-47-03.4	00-41.2 W	43-23.2 N	5	0.5	4	3	12	SSIS	3.2	III		LAGOR.FR
1987-03-03	17-37-45.8	01-41.0 W	42-43.3 N	5	0.5	2	2	21	SSIS	3.3	III		SIERRA DEL PERDON.NA
1987-03-08	01-59-06.3	01-39.2 W	42-40.9 N	5	0.3	2	2	14	SSIS	2.9		R	SIERRA DEL PERDON.NA
1987-03-09	19-52-10.5	03-33.8 W	37-45.9 N	6	0.3	1	1	16	SSIS	2.8			SIERRA MAGINA.J
1987-03-11	00-36-40.5	03-23.8 W	37-43.6 N	6	0.9	2	2	61	SSIS	4.3	V	+M	BELMEZ DE LA MORALEDA.J
1987-03-12	08-37-18.6	03-18.7 W	37-45.9 N	6	0.1	1	2	11	SSIS	2.5		R	BELMEZ DE LA MORALEDA.J
1987-03-13	04-06-16.6	03-20.8 W	37-45.3 N	5	0.4	1	2	20	SSIS	2.8		R	BELMEZ DE LA MORALEDA.J
1987-03-13	23-12-01.9	01-20.4 W	38-04.9 N	11	0.3	1	1	13	SSIS	2.9			SIERRA DE LA MUELA.MU
1987-03-16	05-51-39.0	04-39.7 W	37-45.2 N	14	0.2	1	1	15	SSIS	2.6			SANTA CRUZ.CO
1987-03-19	07-14-14.7	02-01.2 W	37-16.3 N	15	0.4	7	6	16	SSIS	3.0	III-IV		LUBRIN.AL
1987-03-20	10-48-57.8	02-27.7 W	37-00.3 N	13	0.3	3	6	9	SSIS	2.7			SIERRA ALHAMILLA.AL
1987-03-20	18-55-31.3	03-41.2 W	36-54.8 N	5	0.9	3	2	29	SSIS	3.3	IV		PADUL.GR
1987-03-21	15-35-40.9	00-46.9 W	38-15.8 N	17	0.2	5	4	8	SSIS	2.7			ELCHE.A
1987-03-24	19-55-59.5	04-14.3 W	37-00.2 N	5	0.5	1		17	SSIS	2.5			ALFARNATE.MA
1987-03-25	14-27-28.4	03-00.7 E	36-03.3 N	12	0.7	3	4	21	SSIS	3.8			BERROUAGHIA.ARG
1987-03-26	08-33-23.0	04-20.6 W	37-21.6 N	5	0.5	2	7	17	SSIS	2.7			RUTE.CO
1987-03-27	09-38-25.3	04-05.7 W	36-47.1 N	69	0.7	1	2	57	SSIS	3.5	III	M	TORRE DEL MAR.MA
1987-03-27	09-45-40.2	04-34.9 W	36-37.1 N	25	0.6	5	3	16	SSIS	2.8			TORREMOLINOS.MA
1987-03-27	20-33-13.1	10-53.3 W	36-10.0 N	30	0.7	3	6	32	SSIS	3.5			ATLANTICO
1987-03-28	02-36-52.0	04-33.3 W	36-36.5 N	60	0.5	4	4	17	SSIS	2.9			BENALMADENA.MA
1987-03-28	03-26-23.7	02-50.8 W	36-31.6 N	19	0.5	3	3	13	SSIS	2.8			ALBORAN
1987-03-30	12-46-57.7	13-37.7 W	37-19.2 N	35	0.7	5		20	SSIS	3.6			ATLANTICO
1987-04-01	03-07-24.2	00-39.7 W	43-28.9 N	5	0.4	2	2	13	SSIS	3.2	IV		ARTHEZ.FR
1987-04-01	19-54-56.8	01-04.5 W	38-03.0 N	37	0.1	1	3	8	SSIS	2.7			SANTOMERA.MU
1987-04-06	06-13-16.3	00-52.7 W	43-14.1 N	5	0.4	2	2	13	SSIS	3.0			MAULEON-LICHARRE.FR
1987-04-07	05-19-53.6	01-25.8 W	37-41.1 N	6	0.3	2	2	14	SSIS	3.1			MAZARRON.MU
1987-04-07	16-40-41.7	04-35.8 W	37-44.3 N	5	0.4	1	2	34	SSIS	3.6	III		SANTA CRUZ.CO
1987-04-07	16-58-25.0	02-08.5 W	37-04.3 N	39	0.3	2	3	11	SSIS	2.9			SORBAS.AL
1987-04-07	23-33-44.8	03-57.2 W	37-12.1 N	27	0.3	1	1	21	SSIS	2.7			HUETOR-TAJAR.GR
1987-04-09	12-35-45.7	01-48.8 W	41-43.8 N	16	0.2	4	6	9	SSIS	3.0			BERATON.SO
1987-04-10	19-47-23.9	04-34.8 W	36-27.0 N	100	0.6	3	3	25	SSIS	3.0			S.FUENGIROLA
1987-04-13	20-38-19.3	00-09.6 E	43-01.9 N	5	0.2	1	1	16	SSIS	3.6	IV		BAGNERES-BIGORRE.FR
1987-04-18	12-38-34.4	01-48.1 W	42-46.4 N	15	0.4	3	3	13	SSIS	3.0			PAMPLONA.NA
1987-04-18	22-51-09.9	01-50.3 W	42-52.0 N	5	0.4	3	6	10	SSIS	2.7			PAMPLONA.NA
1987-04-19	10-11-26.7	01-20.2 W	37-59.1 N	5	0.3	2	3	8	SSIS	2.7			ALCANTARILLA.MU

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1987-04-19	10-56-34.5	03-48.7 W	35-35.8 N	5	0.7	5	4	22	SSIS	3.2			ALBORAN
1987-04-19	12-04-57.6	01-46.3 E	42-30.4 N	5	0.4	2	4	11	SSIS	3.0			PORTE.FR
1987-04-19	13-36-33.9	03-36.2 W	37-07.5 N	5	0.3	1	2	20	SSIS	2.8			ARMILLA.GR
1987-04-19	22-11-03.3	04-36.3 W	37-44.4 N	6	0.2	1	1	20	SSIS	2.8			SANTA CRUZ.CO
1987-04-20	10-33-21.0	02-15.3 E	42-26.0 N	14	0.3	4	3	9	SSIS	2.8			PIRINEOS
1987-04-21	07-03-58.8	07-06.7 W	43-11.6 N	13	0.4	6	6	10	SSIS	3.1			FONSAGRADA.LU
1987-04-21	19-35-39.1	04-27.6 W	37-03.1 N	18	0.4	2	2	21	SSIS	3.1			ANTEQUERA.MA
1987-04-22	11-16-42.6	02-20.6 E	41-48.2 N	5	0.5	2	3	9	SSIS				BRULL.B
1987-04-23	00-47-16.1	00-34.1 W	38-40.5 N	18	0.3	8	8	9	SSIS	2.9			ALCOY.A
1987-04-24	06-22-09.9	05-27.1 E	36-41.3 N	10	0.4	7	7	15	SSIS	4.1			SETIF.ARG
1987-04-24	17-27-39.9	03-51.5 W	37-28.4 N	27	0.7	2	2	21	SSIS	3.0			FRAILES.J
1987-04-28	13-02-29.4	00-53.9 W	38-26.2 N	9	0.1	2	3	8	SSIS	2.7		P	MONOVAR.A
1987-04-28	13-06-12.4	00-54.1 W	38-25.7 N	9	0.3	2	2	13	SSIS	3.0			MONOVAR.A
1987-05-04	14-55-06.0	05-06.6 W	36-27.5 N	23	0.4	6	8	8	SSIS	2.5			ESTEPONA.MA
1987-05-08	17-54-18.9	08-15.5 W	36-21.0 N	26	0.4	5	9	25	SSIS	3.4			GOLFO DE CADIZ
1987-05-09	01-28-02.3	02-16.3 W	36-37.6 N	7	0.5	3	2	15	SSIS	2.8			S.CABO DE GATA
1987-05-09	23-21-02.6	02-02.1 W	37-16.3 N	16	0.4	7	7	12	SSIS	3.0			SIERRA LISBONA.AL
1987-05-11	19-34-10.0	01-35.9 W	43-00.3 N	6	0.5	5	3	12	SSIS	3.0			LANZ.NA
1987-05-12	04-42-13.8	03-24.0 W	37-16.8 N	6	0.4	4	5	15	SSIS	2.5			TOCON.GR
1987-05-14	04-56-41.6	07-14.6 W	42-00.4 N	5	0.3	1	2	11	SSIS	3.0			A GUDIÑA.OR
1987-05-15	15-11-31.3	02-20.0 W	37-14.7 N	5	0.3	1	2	10	SSIS	3.0			SIERRA FILABRES.AL
1987-05-16	02-06-32.9	01-18.8 W	40-33.1 N	25	0.5	3	5	10	SSIS	2.8			VILLARQUEMADO.TE
1987-05-16	05-00-20.4	07-41.0 W	42-43.1 N	5	0.2	1	1	8	SSIS	2.9			TABOADA.LU
1987-05-18	18-51-36.8	05-13.5 W	36-53.9 N	8	0.4	4	3	10	SSIS	2.9			OLVERA.CA
1987-05-18	23-15-44.6	07-48.1 W	40-27.9 N	5	0.4	2	2	13	SSIS	2.9			GOUVEIA.PORT
1987-05-19	03-24-33.8	07-08.5 W	36-53.0 N	50	0.7	2	6	26	SSIS	3.4			GOLFO DE CADIZ
1987-05-19	09-29-08.1	07-44.5 W	42-06.8 N	18	0.3	2	4	8	SSIS	2.9			SANDIAS.OR
1987-05-22	15-50-22.8	02-15.6 E	42-26.5 N	5	0.3	1	1	15	SSIS	3.3			PIRINEOS
1987-05-22	20-06-23.7	04-08.9 W	36-54.6 N	59	0.4	2	2	18	SSIS	3.0			PERIANA.MA
1987-05-23	09-15-42.1	07-49.1 W	42-00.4 N	17	0.3	1	2	9	SSIS	3.1			A LIMIA.OR
1987-05-25	18-54-39.3	06-46.2 W	42-17.6 N	5	0.6	6	3	9	SSIS	2.9			SERRA DO EIXE.OR
1987-05-26	16-32-58.4	00-21.6 W	43-11.4 N	5	0.5	2	2	24	SSIS	3.8	IV-V		PAU.FR
1987-05-27	05-44-46.7	03-54.5 W	37-01.1 N	5	0.3	1	2	11	SSIS	2.9			AGRON.GR
1987-05-30	08-03-40.3	07-41.0 W	42-42.4 N	5	0.2	1	1	15	SSIS	3.2	IV		TABOADA.LU
1987-05-31	16-09-13.7	03-42.3 W	37-12.3 N	5	0.6	1	2	22	SSIS	2.9			SANTA FE.GR
1987-05-31	23-20-14.8	05-07.5 W	34-56.4 N	5	0.6	4	4	18	SSIS	3.2			CHECHAOUEN.MAC
1987-06-01	02-07-32.2	04-32.3 W	36-24.3 N	90	0.5	4	3	18	SSIS	2.6			S.FUENGIROLA
1987-06-01	09-33-47.8	02-34.1 W	36-55.2 N	5	0.6	4	3	12	SSIS	2.7			ALHAMA DE ALMERIA.AL
1987-06-03	01-22-55.6	02-19.5 E	42-17.3 N	12	0.5	2	2	14	SSIS	3.1			CAMPRODON.GE
1987-06-04	03-28-42.6	08-01.3 W	38-32.7 N	8	0.5	1	2	61	SSIS	4.4	IV-V		EVORA.PORT

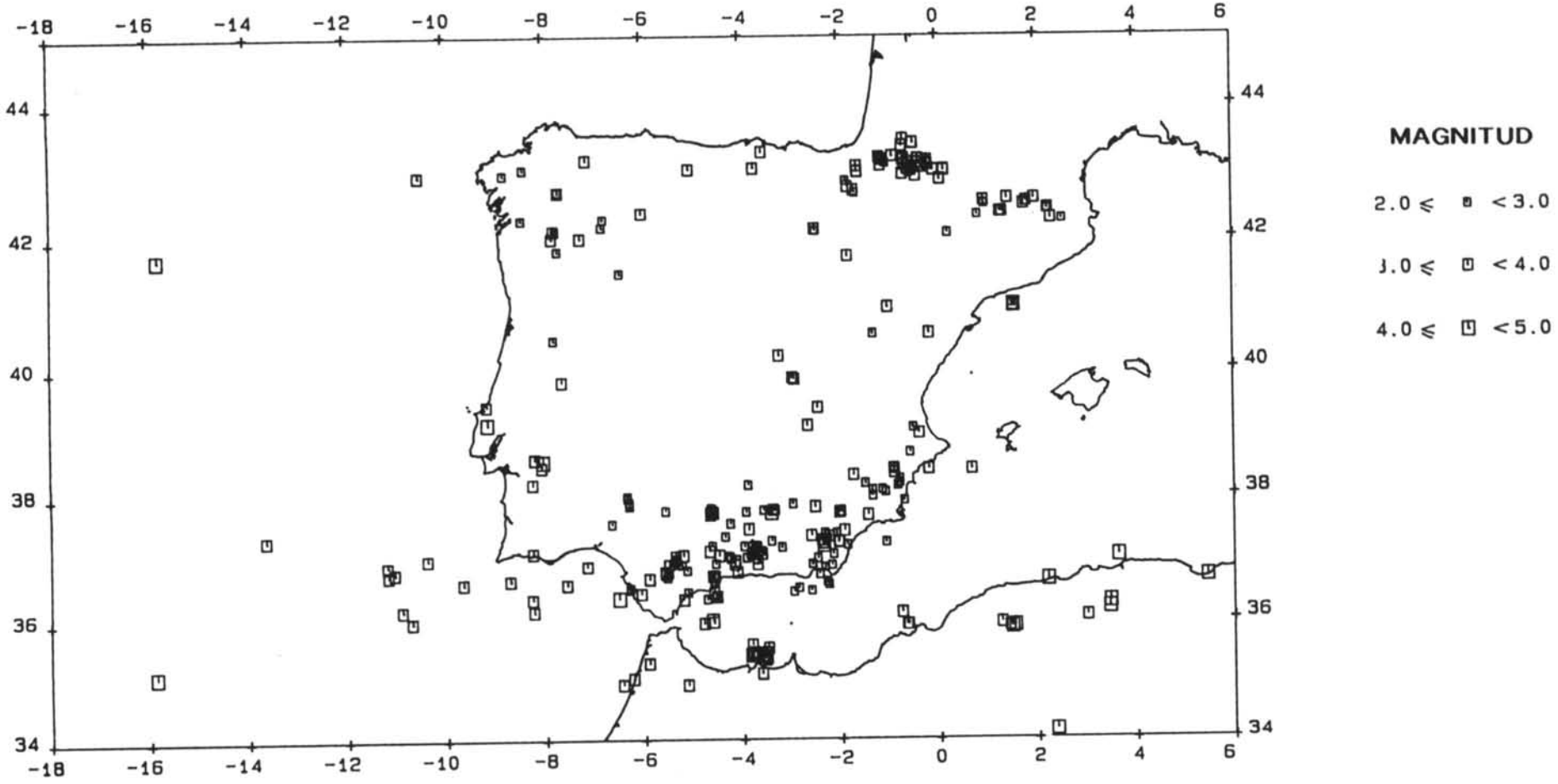
F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1987-06-04	03-38-20.7	08-03.2 W	38-27.1 N	5	0.5	2	3	24	SSIS	3.5		R	EVORA.PORT
1987-06-05	01-13-44.3	04-08.4 W	36-57.9 N	5	0.5	1	2	26	SSIS	3.1			ZAFARRAYA.GR
1987-06-05	17-49-27.8	00-49.5 W	38-09.6 N	5	0.1	7	6	7	SSIS	2.5			CATRAL.A
1987-06-12	04-44-46.9	01-26.6 E	42-35.6 N	5	0.4	1	2	11	SSIS	3.0			ANDORRA
1987-06-12	07-57-56.6	03-35.4 W	35-24.1 N	13	0.6	3	4	31	SSIS	3.3			NE.CABO QUILATES
1987-06-12	16-32-06.0	02-20.4 W	37-15.0 N	5	0.4	1	2	13	SSIS	3.1			SIERRA FILABRES.AL
1987-06-16	10-35-54.6	01-04.0 W	37-15.6 N	25	0.1	1	1	8	SSIS	2.9			S.CARTAGENA
1987-06-16	19-24-47.7	05-17.4 W	36-54.7 N	8	0.4	2	2	13	SSIS	2.9			OLVERA.CA
1987-06-18	02-15-04.5	04-46.9 W	35-57.3 N	120	0.6	3	4	28	SSIS	3.3			ESTRECHO GIBRALTAR
1987-06-18	14-28-30.3	03-28.9 E	36-17.2 N	14	0.4	2	2	26	SSIS	4.1			BIR RABALOU.ARG
1987-06-18	20-51-59.4	04-43.1 W	36-21.1 N	80	0.5	3	4	18	SSIS	2.9			S.FUENGIROLA
1987-06-20	07-15-30.3	10-41.6 W	35-58.6 N	32	0.6	3		23	SSIS	3.5			ATLANTICO
1987-06-21	06-38-44.4	02-13.2 E	36-39.1 N	14	0.8	9		15	SSIS	4.0			N.ARGELIA
1987-06-21	16-11-14.8	05-20.3 W	36-58.6 N	5	0.4	2	2	13	SSIS	2.7			OLVERA.CA
1987-06-22	06-01-24.6	00-03.2 W	43-01.5 N	5	0.4	8	7	12	SSIS	3.2			ARGELES-CAZOST.FR
1987-06-22	11-42-47.4	03-52.3 W	38-10.0 N	7	0.4	2	2	15	SSIS	2.8			BAÑOS DE LA ENCINA.J
1987-06-22	16-48-42.1	02-38.8 W	39-06.9 N	17	0.1	1	1	7	SSIS	3.1			VILLARROBLEDO.AB
1987-06-26	17-13-42.1	00-16.9 W	43-04.0 N	7	0.4	1	2	25	SSIS	3.9	IV		LOURDES.FR
1987-07-01	21-48-05.9	05-11.8 W	37-03.3 N	8	0.9	2	2	43	SSIS	3.6	V		VILLANUEVA D S.JUAN.SE
1987-07-06	04-32-25.3	01-00.6 W	40-57.1 N	5	0.6	2	3	29	SSIS	3.4			SIERRA DE CUCALON.TE
1987-07-06	18-32-46.9	08-23.4 W	43-03.3 N	8	0.1	1	1	6	SSIS	2.9			ORDES.C
1987-07-08	09-27-46.0	00-45.1 W	36-07.3 N	5	0.5			17	SSIS	3.3			RENAULT.ARG
1987-07-09	01-40-29.6	01-29.3 W	38-11.5 N	14	0.4	5	3	11	SSIS	2.8			CIEZA.MU
1987-07-09	21-07-01.2	04-14.1 W	37-33.5 N	9	0.3	1	2	15	SSIS	2.7			LUQUE.CO
1987-07-11	11-41-24.1	05-53.4 W	36-40.5 N	5	0.6	1	2	39	SSIS	3.5			ARCOS D LA FRONTERA.CA
1987-07-17	15-46-02.6	00-58.2 E	42-30.9 N	6	0.4	2	3	13	SSIS	2.9			AIGUES TORTES.L
1987-07-19	13-07-03.2	04-34.1 W	36-44.5 N	67	0.4	4	3	16	SSIS	2.8			W. MALAGA
1987-07-23	11-57-27.8	05-54.6 W	35-17.7 N	100	0.5	2	2	52	SSIS	3.9		M	NE. LARACHE.MAC
1987-07-24	08-09-54.1	03-28.0 E	36-11.6 N	10	0.6	3	3	31	SSIS	4.5			MASQUERAY.ARG
1987-07-26	14-42-44.8	01-19.8 E	42-23.5 N	5	0.6	2	3	16	SSIS	3.0			VALL DE CASTELLBO.L
1987-07-26	15-29-48.8	01-17.5 E	42-23.4 N	5	0.5	2	2	14	SSIS	3.0		R	VALL DE CASTELLBO.L
1987-07-27	00-07-04.9	15-47.9 W	41-42.5 N	5	0.7			57	SSIS	4.3			ATLANTICO
1987-07-28	19-19-19.2	05-59.4 W	42-23.1 N	5	0.3	2	2	16	SSIS	3.3	III-IV		RIEGO DE LA VEGA.LE
1987-07-29	07-49-07.0	02-20.0 W	37-12.9 N	5	0.5	1	1	44	SSIS	4.2	V		SIERRA DE FILABRES.AL
1987-07-29	21-43-39.4	00-38.7 W	43-11.7 N	5	0.4	2	1	16	SSIS	3.3	III-IV		OLORON-STE.MARIE.FR
1987-07-30	22-00-14.6	02-19.1 W	36-51.7 N	5	0.4	4	4	11	SSIS	2.7			E. ALMERIA.AL
1987-07-31	02-24-07.1	07-48.6 E	36-26.9 N	8	0.7	9	9	30	SSIS	4.2			SOUK AHRAS.ARG
1987-08-02	00-55-11.2	03-54.9 W	37-44.8 N	12	0.3	2		15	SSIS	2.6			MARTOS.J
1987-08-05	17-26-50.3	09-08.2 W	39-08.9 N	9	0.5	2	2	40	SSIS	4.0	IV		TORRES VEDRAS.PORT
1987-08-07	02-30-17.7	04-37.6 W	37-47.6 N	6	0.5	1	2	22	SSIS	2.9			SANTA CRUZ.CO

FECHA	HORA	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1987-08-08	17-01-36.7	07-42.3 W	41-48.9 N	14	0.3	1	2	13	SSIS	2.9			MONTALEGRE.PORT
1987-08-09	01-14-23.5	05-11.3 W	36-20.4 N	5	0.4	2	2	19	SSIS	3.1			S.ESTEPONA
1987-08-12	02-47-43.7	00-28.2 W	43-04.2 N	5	0.1	1	1	15	SSIS	3.1	IV		LARUNS.FR
1987-08-13	05-12-23.1	08-11.6 W	38-35.1 N	8	0.4	1	2	26	SSIS	3.4			MONTEMOR-O-NOVO.PORT
1987-08-14	10-47-53.5	02-30.2 W	37-48.9 N	5	0.5	1	2	23	SSIS	3.2			HUESCAR.GR
1987-08-15	03-57-15.0	04-31.2 W	36-23.0 N	66	0.9	3	4	40	SSIS	3.3			ALBORAN
1987-08-16	17-35-32.0	06-48.3 W	42-10.3 N	9	0.2	4	1	9	SSIS	2.8			SIERRA SEGUNDERA.ZA
1987-08-19	10-57-58.2	02-57.5 W	37-51.8 N	19	0.2	2	3	8	SSIS	2.8			CAZORLA.J
1987-08-20	18-30-26.4	07-33.5 W	36-35.1 N	21	0.4	2	2	24	SSIS	3.2			GOLFO DE CADIZ
1987-08-21	20-53-24.0	02-26.3 W	39-24.0 N	15	0.3	1	2	13	SSIS	3.3			SAN CLEMENTE.CU
1987-08-23	13-24-35.1	00-04.7 E	42-53.1 N	9	0.3	1	2	15	SSIS	3.3	III		LUZ.FR
1987-08-23	16-48-52.7	00-11.6 W	38-24.9 N	8	0.3	2	1	14	SSIS	3.0			S.CABO DE LA NAO
1987-08-24	18-43-05.4	01-33.1 E	40-58.4 N	7	0.4	1	1	46	SSIS	4.0	IV	S+	SE.TARRAGONA
1987-08-28	16-12-25.7	06-13.7 W	35-02.8 N	5	0.7	3	4	25	SSIS	3.4			S.LARACHE.MAC
1987-08-29	14-29-07.8	01-30.9 E	41-00.3 N	5	0.2	1	2	8	SSIS	2.9			SE.TARRAGONA
1987-08-30	03-45-16.9	05-29.6 W	36-45.7 N	13	0.3	2	2	8	SSIS	2.9		P	PRADO DEL REY.CA
1987-08-30	03-59-29.3	05-33.3 W	36-45.7 N	20	0.4	1	1	34	SSIS	3.6	III		PRADO DEL REY.CA
1987-08-30	04-02-18.1	05-30.9 W	36-45.2 N	13	0.2	3		6	SSIS	2.7		R	PRADO DEL REY.CA
1987-08-30	04-08-12.9	05-31.6 W	36-41.8 N	38	0.3	6	9	6	SSIS	2.5		R	PRADO DEL REY.CA
1987-08-30	04-09-54.7	05-31.0 W	36-44.4 N	20	0.7			5	SSIS	2.5		R	PRADO DEL REY.CA
1987-08-31	05-10-45.2	05-34.2 W	36-47.4 N	7	0.4	2	3	14	SSIS	3.0		R	PRADO DEL REY.CA
1987-08-31	13-57-03.3	03-36.5 W	35-07.0 N	10	0.6	5	5	18	SSIS	3.3			ANUAL.MAC
1987-08-31	20-58-56.0	05-29.9 W	36-46.3 N	13	0.6	6	8	8	SSIS	2.7		R	PRADO DEL REY.CA
1987-09-02	01-12-50.9	00-41.7 W	37-55.1 N	18	0.1	1	1	7	SSIS	2.7			MEDITERRANEO
1987-09-05	18-22-51.2	01-59.4 E	42-35.5 N	7	0.5	3	3	12	SSIS	3.2			PIRINEOS
1987-09-05	23-51-52.9	04-11.2 W	33-29.4 N	5	0.7	5	6	17	SSIS				ADRAR BOU NASSEUR.MAC
1987-09-07	11-21-41.6	03-35.6 W	37-05.0 N	5	0.5	1	1	28	SSIS	3.3	III		DILAR.GR
1987-09-09	01-12-46.7	04-32.5 W	36-55.3 N	11	0.3	2	2	11	SSIS	2.8			S.ANTEQUERA.MA
1987-09-10	00-16-20.2	03-41.2 W	37-01.3 N	5	0.5	2	2	22	SSIS	3.0			PADUL.GR
1987-09-10	14-57-28.8	04-36.2 W	36-42.8 N	66	0.6	2	3	31	SSIS	3.1			W.MALAGA
1987-09-11	13-03-07.2	04-36.6 W	36-00.0 N	100	0.9	3	4	65	SSIS	4.1			ESTRECHO GIBRALTAR
1987-09-11	16-42-07.7	05-07.6 W	36-48.9 N	10	0.7	6	3	9	SSIS	2.7			ARRIATE.MA
1987-09-11	17-27-19.3	00-30.1 W	39-04.6 N	29	0.2	3	5	6	SSIS	2.8			VILLANUEVA CASTELLON.V
1987-09-12	00-14-57.9	05-21.8 W	36-57.0 N	5	0.4	1	2	19	SSIS	2.8			SIERRA DE LIJAR.CA
1987-09-12	12-27-33.1	08-14.5 W	37-06.0 N	19	0.6	2	2	17	SSIS	3.2			ALBUFEIRA.PORT
1987-09-12	15-05-13.0	02-35.3 W	36-29.0 N	5	0.4	4	4	11	SSIS	2.9			S.ALMERIA
1987-09-13	13-49-08.9	02-22.5 E	34-09.4 N	22	0.9	7		23	SSIS	4.0			AFLOU.ARG
1987-09-14	02-04-05.0	01-43.4 W	38-19.7 N	5	0.4	1	2	14	SSIS	3.0			MOHARQUE.MU
1987-09-16	22-00-36.1	03-38.8 E	37-01.9 N	13	0.7	2	3	48	SSIS	4.8		S	NE.ARGEL
1987-09-19	15-08-35.6	06-26.6 W	34-56.8 N	23	0.6	3	3	30	SSIS	3.5			SW.LARACHE

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1987-09-20	14-58-35.1	01-32.3 E	40-57.9 N	5	0.5	3	3	15	SSIS	3.0			SE.TARRAGONA
1987-09-20	23-09-37.6	02-28.6 W	42-08.3 N	5	0.7	2	3	29	SSIS	3.6	V		SRRA CAMERO VIEJO.LO
1987-09-24	14-42-50.4	02-28.0 W	42-06.5 N	15	0.2	3	3	8	SSIS	2.9		R	SRRA CAMERO VIEJO.LO
1987-09-25	19-17-48.8	04-39.5 W	37-07.3 N	25	0.5	2	3	24	SSIS	3.1			MOLLINA.MA
1987-09-26	05-29-19.4	00-39.2 W	35-55.7 N	21	0.8	5	7	24	SSIS	3.5			N.ORAN
1987-09-27	11-07-26.4	03-48.8 W	37-03.4 N	5	0.3	1	1	19	SSIS	2.9			ESCUZAR.GR
1987-10-02	05-27-29.6	03-42.6 W	36-59.5 N	9	0.5	2	2	20	SSIS	2.8		R	PADUL.GR
1987-10-05	04-46-03.6	00-57.5 E	42-33.7 N	6	0.5	2	2	18	SSIS	3.2			AIGUES TORTES.L
1987-10-05	16-41-00.1	09-09.2 W	39-25.8 N	21	0.6	5	6	20	SSIS	3.2	IV		CALDAS DA RAINHA.PORT
1987-10-05	16-45-44.8	08-25.4 W	42-17.1 N	5	0.5	1		6	SSIS	2.7			MONDARIZ.PO
1987-10-08	22-12-12.3	02-14.4 W	36-35.0 N	10	0.3	4	2	7	SSIS	2.9			S.CABO DE GATA
1987-10-12	04-04-47.9	02-04.3 W	37-24.4 N	5	0.4	4	6	10	SSIS	2.6			ALBOX.AL
1987-10-16	22-40-01.7	11-10.0 W	36-44.0 N	30	0.5	5	7	28	SSIS	3.5			W.CABO SAN VICENTE
1987-10-17	16-24-05.8	02-22.8 W	37-17.8 N	5	0.3	1	2	14	SSIS	3.0			LAROYA.AL
1987-10-18	14-57-34.3	01-50.9 W	37-13.0 N	20	0.3	4	4	9	SSIS	2.8			VERA.AL
1987-10-19	03-26-09.9	02-17.6 W	37-18.3 N	9	0.5	4	6	13	SSIS	2.7			LAROYA.AL
1987-10-19	12-54-42.9	03-13.8 W	40-12.9 N	5	0.2	1	1	13	SSIS	3.2			VILLAREJO SALVANES.M
1987-10-19	18-02-19.8	03-21.8 W	37-46.1 N	5	0.5	1	3	20	SSIS	3.0			BELMEZ MORALEDA.J
1987-10-21	13-56-07.5	06-19.8 W	37-57.5 N	5	0.2	1	2	14	SSIS	2.9			CALA.H
1987-10-22	10-58-29.4	00-30.1 W	43-01.7 N	5	0.2	2	2	11	SSIS	3.2	III		LARUNS.FR
1987-10-22	17-03-27.8	00-12.2 W	43-08.0 N	5	0.3	3	4	12	SSIS	3.2	IV		NAY.FR
1987-10-23	09-06-11.0	06-03.4 W	36-26.3 N	23	0.4	3	2	26	SSIS	3.1			CHICLANA FRONTERA.CA
1987-10-23	23-29-03.3	11-02.4 W	36-46.6 N	5	0.6	8	9	51	SSIS	3.9			W.CABO SAN VICENTE
1987-10-25	03-35-49.5	06-30.1 W	36-21.7 N	66	0.7	2	4	67	SSIS	4.2			SW. CADIZ
1987-11-03	13-45-15.9	06-17.6 W	37-54.0 N	5	0.4	2	2	16	SSIS	2.9			CALA.H
1987-11-04	02-58-54.1	00-37.4 W	35-55.8 N	20	0.3	3	4	14	SSIS	3.5			N. ORAN
1987-11-04	07-04-49.1	15-52.0 W	35-06.9 N	5	0.8	5		29	SSIS	4.2			ATLANTICO
1987-11-05	13-01-35.1	00-33.5 W	43-02.1 N	12	0.6	7	4	14	SSIS	3.1		P	ACCOUX.FR
1987-11-05	19-14-55.8	00-32.3 W	42-59.0 N	6	0.6			12	SSIS	2.9		P	ACCOUX.FR
1987-11-05	22-43-59.1	00-40.7 W	42-58.0 N	8	0.8	3	3	32	SSIS	3.8	IV		ACCOUX.FR
1987-11-05	23-21-00.3	04-36.2 W	37-43.4 N	6	0.4	1	1	43	SSIS	3.8	IV		SANTA CRUZ.CO
1987-11-05	23-22-19.3	04-38.8 W	37-41.7 N	5	0.3	1	2	23	SSIS	3.3		R+	SANTA CRUZ.CO
1987-11-06	05-43-33.2	01-36.4 W	43-05.3 N	5	0.4	2	1	21	SSIS	3.2			ALMANDOZ.NA
1987-11-06	12-26-51.8	00-13.5 E	42-04.0 N	5	0.6	3	7	10	SSIS	2.8			ESTADILLA.HU
1987-11-07	01-31-17.1	00-40.1 W	43-10.9 N	5	0.3	1	1	19	SSIS	3.3	IV		OLORON-STE.MARIE.FR
1987-11-07	11-07-51.1	03-42.7 W	43-03.6 N	13	0.4	2	2	26	SSIS	3.9	IV		SOTOSCUEVA.BU
1987-11-10	19-28-58.5	02-54.9 W	39-50.6 N	5	0.4	3	4	8	SSIS	3.0			HORCAJO SANTIAGO.CU
1987-11-11	07-15-23.2	00-10.0 W	43-06.4 N	5	0.6	2	2	33	SSIS	3.9	IV-V		ST.PE-DE-BIGORRE.FR
1987-11-11	12-33-58.1	01-54.8 W	37-26.6 N	5	0.4	7	7	16	SSIS	3.0			HUERCAL-OVERA.AL
1987-11-12	01-33-13.2	00-10.5 W	43-10.3 N	5	0.3	1	1	22	SSIS	3.6	IV-V		NAY.FR

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1987-11-12	14-16-36.0	06-19.2 W	37-59.2 N	5	0.4	2	2	16	SSIS	2.9			CALA.H
1987-11-13	00-56-25.0	04-34.8 W	37-43.3 N	5	0.6	1	2	29	SSIS	3.3	III	P	SANTA CRUZ.CO
1987-11-13	01-08-45.8	04-36.5 W	37-44.8 N	6	0.4	1	1	24	SSIS	3.1	III	P	SANTA CRUZ.CO
1987-11-13	02-13-41.8	04-34.8 W	37-43.3 N	5	0.7	2	2	33	SSIS	3.3	IV		SANTA CRUZ.CO
1987-11-13	03-09-28.5	02-57.6 W	39-52.2 N	15	0.2	2	3	7	SSIS	3.0			HORCAJO SANTIAGO.CU
1987-11-15	02-13-21.0	08-25.8 W	42-17.1 N	5	0.5	2		6	SSIS	2.6			MONDARIZ.PO
1987-11-15	18-05-04.0	04-33.7 W	36-42.6 N	60	0.5	4	4	16	SSIS	3.0			MALAGA
1987-11-17	05-26-57.0	05-29.4 W	36-54.4 N	5	0.4	1	2	16	SSIS	3.1			PUERTO SERRANO.CA
1987-11-19	22-14-23.3	02-15.7 W	37-19.8 N	10	0.4	3	5	12	SSIS	2.9			MACAEL.AL
1987-11-24	07-30-08.8	11-11.0 W	36-53.2 N	17	0.5			35	SSIS	3.8			W.CABO SAN VICENTE
1987-11-24	19-04-02.6	02-25.3 W	36-44.8 N	9	0.5	4	3	13	SSIS	2.8			GOLFO DE ALMERIA
1987-11-28	09-35-40.8	04-36.7 W	37-46.7 N	6	0.5	1	2	22	SSIS	2.9		R	SANTA CRUZ.CO
1987-11-29	13-41-39.8	06-17.0 W	36-30.4 N	5	0.3	2	2	14	SSIS	2.9	III		CADIZ
1987-11-29	18-55-20.1	06-27.1 W	41-28.6 N	5	0.4	2	3	10	SSIS	2.9			MIRANDA DOURO.PORT
1987-12-01	06-25-47.3	06-16.7 W	36-31.8 N	6	0.6	4	3	11	SSIS	2.9			CADIZ
1987-12-01	16-06-58.5	09-39.1 W	36-36.0 N	30	0.6	3	6	21	SSIS	3.3			SW.CABO SAN VICENTE
1987-12-05	11-01-25.4	03-11.1 W	37-11.3 N	5	0.2	1	2	12	SSIS	2.7			JERES MARQUESADO.GR
1987-12-05	18-50-37.7	00-40.8 E	38-25.0 N	10	0.6	5	6	11	SSIS	3.3			MEDITERRANEO
1987-12-07	02-01-25.2	04-37.2 W	37-43.7 N	10	0.3	1	2	18	SSIS	2.8		R	SANTA CRUZ.CO
1987-12-09	15-40-33.1	03-49.2 W	35-25.4 N	7	0.7	3	4	64	SSIS	4.3		M	N. ALHUCEMAS
1987-12-09	17-09-52.8	03-48.9 W	35-26.6 N	14	0.5	3	4	13	SSIS	3.0		R	N. ALHUCEMAS
1987-12-09	23-14-26.3	03-48.3 W	35-27.4 N	5	0.6	2	3	28	SSIS	3.3		R	N. ALHUCEMAS
1987-12-10	00-02-14.6	03-48.0 W	35-25.0 N	6	0.5	2	3	28	SSIS	3.2		R	N. ALHUCEMAS
1987-12-10	00-20-25.3	03-49.5 W	35-27.4 N	5	0.8	2	3	50	SSIS	3.7		R	N. ALHUCEMAS
1987-12-11	20-33-39.7	01-09.0 W	43-13.0 N	7	0.6	3	2	19	SSIS	3.3	IV		OSSES.FR
1987-12-11	21-06-07.0	01-07.4 W	43-05.7 N	5	0.4	3	2	16	SSIS	3.1	III-IV		PIRINEOS
1987-12-11	22-17-46.0	02-10.4 W	36-53.8 N	11	0.2	1	1	16	SSIS	2.9			NIJAR.AL
1987-12-12	11-50-46.1	00-53.6 W	38-21.7 N	8	0.2	1	1	14	SSIS	3.2			LA ROMANA.A
1987-12-12	17-45-59.0	00-21.1 W	43-08.1 N	10	0.3	2	2	13	SSIS	3.2	IV		ARUDY.FR
1987-12-15	07-35-26.6	00-28.1 W	43-25.6 N	5	0.4	2	2	17	SSIS	3.6	IV		NW. PAU.FR
1987-12-17	01-31-17.7	00-10.3 W	40-33.1 N	5	0.5	2	3	15	SSIS	3.0			MORELLA.CS
1987-12-18	19-47-00.1	01-06.4 W	43-10.9 N	12	0.3	4	3	12	SSIS	3.1			PONTACQ.FR
1987-12-18	20-27-15.2	02-14.0 W	37-21.1 N	9	0.4	3	6	11	SSIS	3.0			CANTORIA.AL
1987-12-20	07-29-59.9	10-29.8 W	42-57.1 N	32	0.6	4		24	SSIS	3.6			W. FINISTERRE
1987-12-21	02-59-49.3	03-45.6 W	37-07.5 N	7	0.6	2	3	18	SSIS	2.8			CHIMENEAS.GR
1987-12-24	00-45-42.0	03-45.4 W	35-28.3 N	24	0.8	2	5	40	SSIS	3.3		R	N. ALHUCEMAS
1987-12-25	18-45-53.2	04-35.4 W	35-58.7 N	90	0.8	3	4	35	SSIS	3.5			ESTRECHO GIBRALTAR
1987-12-26	14-32-15.6	08-42.3 W	36-39.6 N	5	0.6	4	5	46	SSIS	3.8			SE.CABO SAN VICENTE
1987-12-27	23-49-27.9	01-08.3 W	38-05.5 N	5	0.3	0	1	8	SSIS	2.6			N. MURCIA.MU
1987-12-30	03-32-41.0	00-47.1 W	38-12.1 N	10	0.3	4	3	12	SSIS	2.9			SW. ELCHE.A

SISMICIDAD 1.987 POR MAGNITUDES



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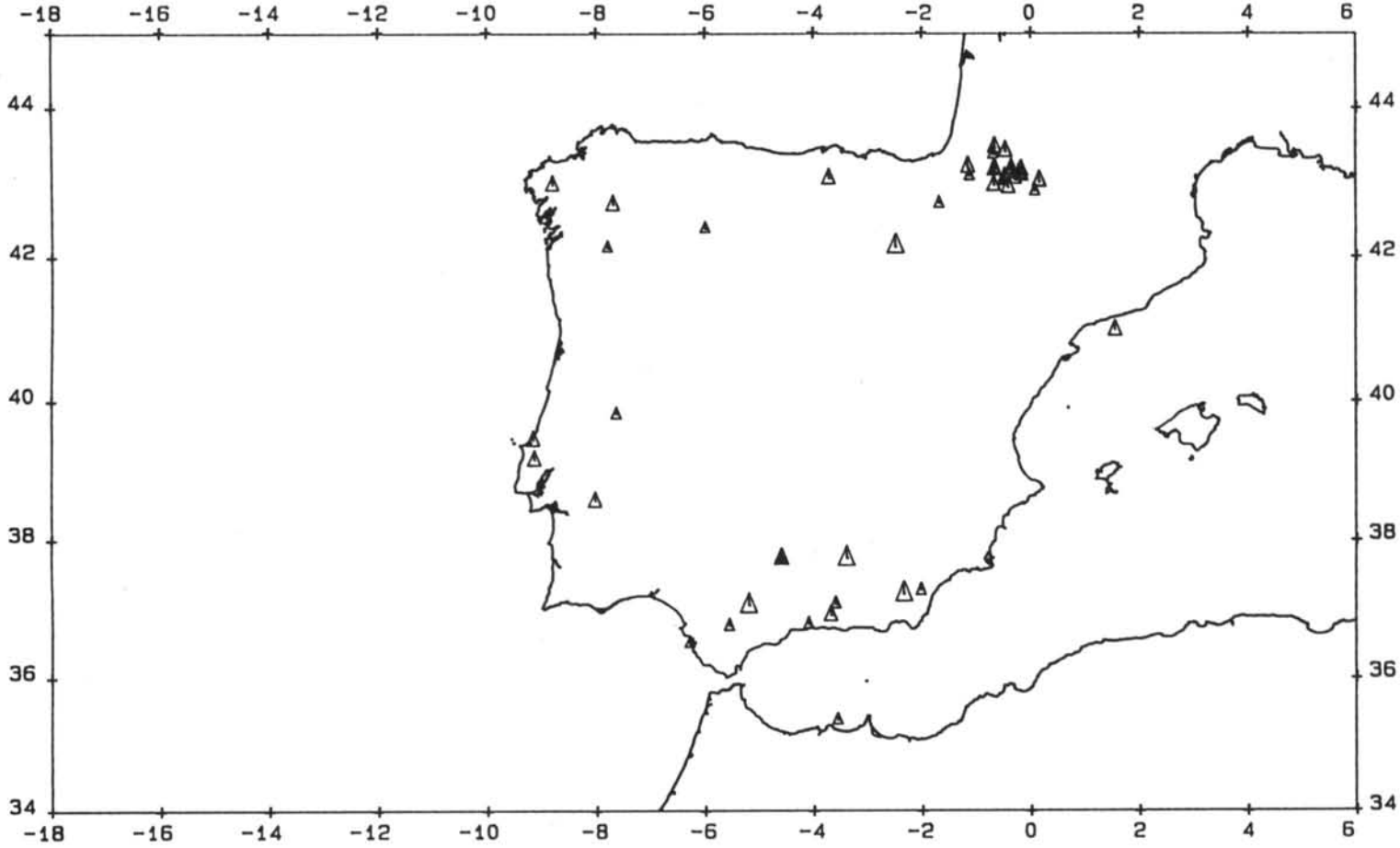
SISMICIDAD 1.987 POR INTENSIDADES



INTENSIDAD MSK

III ≤ ▲ < IV

IV ≤ ▲ < V

V ≤ ▲ < VI

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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 DEL CÁLCULO HIPOCENTRAL

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALM	E	*	15 43 24.9	I		15 43 29.7	0.90	0.3	24
APHE	I		15 43 26.0	E	*	15 43 35.2			
ENIJ	E		15 43 26.5	E		15 43 37.5	0.05	0.2	60
ATEJ	I	=	15 43 27.1	E	=	15 43 41.2			
AFC	E		15 43 29.6	E		15 43 41.0	0.01	0.2	45
ALOJ	I	=	15 43 31.5	E	=	15 43 46.5			
ASMO	I		15 43 33.0						
AAPN	I	*	15 43 36.7						
EBAN	E	=	15 43 46.8	E	=	15 44 09.8			42
EVIA	E	=	15 43 53.2	E	=	15 44 21.0	0.01	0.4	62

01-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	154312.4	36 28	-02 57	5	0.5	2.7		ALBORAN

TAF	I		08 15 10.5	I	*	08 15 31.0			
ATEJ	I	*	08 15 15.5	E	*	08 15 22.0			
APHE	I	*	08 15 15.7	E	*	08 15 27.2			
ALM	E		08 15 18.8	I		08 15 38.6	0.41	0.4	95
ALOJ	I	*	08 15 19.0	E	*	08 15 30.7			
ENIJ	I		08 15 21.4	E		08 15 44.1	0.08	0.3	140
AFC	E		08 15 21.6	E		08 15 43.4	0.14	0.5	125
CRT	E	*	08 15 22.0						
ASMO	I		08 15 23.5	E		08 15 45.0			
AAPN	I		08 15 23.5	E	*	08 15 49.5			
EPRU	I		08 15 25.3	E		08 15 49.7	0.13	0.6	140
IFR	I		08 15 26.5	I		08 15 53.5			
EHOR	E		08 15 34.0	E		08 16 06.3	0.03	0.3	130
EBAN	E		08 15 34.4	E		08 16 06.2	0.04	0.3	140
EVIA	E		08 15 41.2				0.07	0.5	160
EVAL	E	=	08 15 41.2	E	=	08 16 18.8	0.03	0.5	120
FIG	I		08 15 49.6			08 16 31.0			
TOL	E		08 15 59.0	I	*	08 16 50.0	0.05	0.8	100
MOE	I	=	08 16 03.2	I	=	08 16 57.0			
MTH	I	*	08 16 13.5		*	08 17 14.0			
MTE	E		08 16 17.0			08 17 22.5			
MVO	I		08 16 23.8		*	08 17 30.9			
ALR	I	*	08 16 34.0						

02-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	081452.4	35 22	-03 30	31	0.6	3.6		ALBORAN

TAF	I	*	18 08 35.0	I	*	18 08 52.0			
MAL	I	=	18 08 37.0	I	=	18 08 54.5	0.37	0.3	110
ATEJ	I	=	18 08 38.2	E	=	18 08 57.0			
APHE	I		18 08 38.5	E	*	18 08 52.2			
ALOJ	I		18 08 41.5	E	*	18 09 05.5			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ENIJ	E		18 08 43.6	E		18 09 06.6	0.03	0.4	115
AFC	E		18 08 44.5	E		18 09 05.8	0.04	0.4	85
ASMO	I		18 08 45.7	E		18 09 07.5			
AAPN	I	*	18 08 46.5	E	*	18 09 13.0			
ALJ	I		18 08 47.5						
EPRU	E		18 08 47.5	E		18 09 11.7	0.05	0.6	110
IFR	I		18 08 49.0	E		18 09 16.0			
EHOR	E		18 08 57.0				0.01	0.3	75
EBAN	E	=	18 08 59.4	E	=	18 09 30.2	0.02	0.3	75
EVAL	E		18 09 04.0	E		18 09 41.5			90
FIG	I	*	18 09 08.4	E	*	18 09 53.0			
AVE	E	*	18 09 22.0	E	*	18 09 58.0			
MOE	I		18 09 27.0	I		18 10 21.5			

03-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	180814.6	35 24	-03 32	27	0.6	3.1		ALBORAN

ALJ	I	=	04 16 49.0	E	=	04 16 55.0			
MAL	I	*	04 16 53.5	I		04 17 06.8	0.47	0.3	66
EHOR	I		04 16 55.5	E		04 17 05.5	0.13	0.2	120
AAPN	I		04 16 58.5	E		04 17 12.0			
ALOJ	I		04 16 59.0	E	*	04 17 10.5			
ATEJ	I		04 17 00.0	E	*	04 17 12.2			
EVAL	E		04 17 02.2	E		04 17 19.5	0.06	0.2	120
ASMO	I		04 17 03.7	E		04 17 21.5			
APHE	I		04 17 04.0	E	*	04 17 16.0			
AFC	I		04 17 06.0	E		04 17 25.6	0.03	0.3	100
EBAN	I		04 17 08.5	E		04 17 30.0	0.04	0.2	110
FIG	I	=	04 17 09.4	I	=	04 17 34.8			
CRT	I	*	04 17 18.1						
MOE	I	=	04 17 25.0	I	=	04 17 58.0			
TOL	E		04 17 28.0				0.05	0.8	100
MTE	I	*	04 17 35.0	I		04 18 20.9			
MVO	E		04 17 44.8	E	*	04 18 32.0			
COI		*	04 18 25.3		*	04 18 51.0			

04-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	041640.4	37 03	-05 21	6	0.4	3.4		SIERRA DE S.JUAN.SE

TAF	I		06 42 17.0	I		06 42 33.0			
MAL	I		06 42 21.8	I	*	06 42 39.0			130
APHE	I		06 42 22.5	E	*	06 42 39.0			
ATEJ	I		06 42 22.6	E	*	06 42 40.0			
ALM	E		06 42 25.0	I		06 42 45.2	0.46	0.4	80
ALOJ	I		06 42 26.0	E	*	06 42 43.0			
ENIJ	I		06 42 28.1	E		06 42 50.7	0.06	0.2	180

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AFC	E	=	06 42 28.6	E	=	06 42 51.4	0.12	0.5	185
CRT	E	*	06 42 28.7	E	*	06 42 51.7			
ASMO	I	*	06 42 30.5	E	*	06 42 44.0			
BMK	I		06 42 30.5	I	*	06 43 06.0			
AAPN	I	*	06 42 31.0	E		06 42 52.0			
IFR	I		06 42 34.0	I	*	06 43 01.0			
EHOR	E		06 42 41.3	E		06 43 12.8	0.03	0.3	150
EBAN	E	=	06 42 43.0	E	=	06 43 15.0	0.09	0.5	155
EVAL	E		06 42 48.5	E		06 43 26.7			
FIG	I	=	06 42 53.5		=	06 43 36.8			
AVE	I		06 42 57.0	I	*	06 43 36.0			
MOE	I		06 43 11.5	I		06 44 05.5			
MTH	E	*	06 43 23.8			06 44 24.0			
MTE	E	=	06 43 25.5	E	=	06 44 30.0			
MVO	I		06 43 30.5		*	06 44 38.0			
ALR	I	*	06 43 41.0						

04-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	064157.4	35 28	-03 31	8	0.5	3.6		ALBORAN

EHOR	E	08 02 41.3	I	08 02 53.0	0.09	0.2	65
ALOJ	I	08 02 45.0					
AAPN	I	08 02 45.7	E	08 02 59.5			
ATEJ	I	08 02 46.0					
EVAL	E	08 02 48.3	E	08 03 05.7	0.01	0.3	60
APHE	I	08 02 50.3					
ASMO	I	08 02 50.7					
AFC	E	08 02 52.0	E	08 03 11.5			55
EBAN	E	08 02 55.0	E	08 03 16.2	0.02	0.3	

04-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	080226.6	37 01	-05 22	8	0.3	2.8		SIERRA DE S.JUAN.SE

VIH		20 01 49.6		20 01 53.2			
EPF		20 01 58.3		20 02 08.0			
OLT		20 02 06.4		20 02 22.3			
FONT		20 02 07.5	*	20 02 22.8			
LPO	=	20 02 24.7	=	20 02 53.0	0.01	0.3	
CAF		20 02 26.0					
LFF	=	20 02 30.8	=	20 03 02.0	0.01	0.3	

04-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	200143.9	42 21	00 50	9	0.4	2.8		PERVES.L

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
FAR			00 19 49.9	I		00 20 11.5			
FIG			00 19 51.5			00 20 13.8			
MTH	I		00 19 53.0	I		00 20 16.8			
MOE	I		00 19 54.2	I		00 20 18.6			
EVAL	I		00 20 03.8	E		00 20 36.0	0.09	0.2	175
COI		*	00 20 07.6		*	00 20 45.0			
GIBL	I		00 20 11.0	I	*	00 20 45.0			
MTE	E		00 20 19.5		*	00 21 02.0			
EHOR	E		00 20 20.5	E		00 21 06.0	0.05	0.3	165
EPRU	E		00 20 20.9	E		00 21 05.0	0.06	0.4	135
BMK	I		00 20 21.0	E	*	00 21 03.0			
AVE	I		00 20 23.0	I	*	00 21 10.0			
PTO	E		00 20 23.1	E	*	00 20 54.0			
EPLA	E		00 20 26.0	E		00 21 15.3	0.09	0.3	150
MAL	E		00 20 30.3	I		00 21 22.0	0.12	0.5	83
MVO	E		00 20 30.4	I	*	00 21 21.8			
AAPN	I		00 20 32.2	E	*	00 21 25.0			
ALOJ	I		00 20 32.5	E	*	00 21 24.5			
ATEJ	I		00 20 34.0	E		00 21 29.2			
EZAM	I		00 20 36.1	E		00 21 33.8	0.05	0.3	153
EBAN	E		00 20 36.5	E		00 21 35.0	0.05	0.3	155
ASMO	I		00 20 36.5	E	*	00 21 32.0			
APHE	I		00 20 37.7	E		00 21 35.2			
AFC	E		00 20 38.5	E		00 21 37.2	0.02	0.3	
TOL	I		00 20 42.0	I	*	00 21 43.0			
STS	E		00 20 46.0	E		00 21 51.2	0.02	0.4	150
EVIA	I		00 20 51.2	E		00 22 01.2	0.04	0.3	200

06-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	001919.6	37 00	-10 22	29	0.5	3.9		W.CABO S.VICENTE

EALH	I		08 46 24.7	E		08 46 31.4	0.19	0.3	75
ENIJ	E		08 46 30.8	E		08 46 41.4	0.09	0.3	70
EVIA	E		08 46 34.1	I		08 46 47.6	0.16	0.4	150
AFC	E		08 46 39.7	E		08 46 57.8	0.09	0.6	90
EBAN	I		08 46 41.7	E		08 47 01.0	0.05	0.4	90
ASMO	I	*	08 46 42.8	E	*	08 47 03.7			
APHE	E	*	08 46 44.2	E	*	08 47 09.0			
ACU	E	=	08 46 45.2	E	=	08 47 04.5			43
AAPN	I	*	08 46 47.1	E	*	08 47 12.0			
ALOJ	E	*	08 46 48.5	E	*	08 47 13.0			
ATEJ	I	*	08 46 48.7	E	*	08 47 16.0			
ECHE	E	=	08 46 54.5	E	=	08 47 19.6	0.02	0.5	55
TOL	E	=	08 47 06.5	E	=	08 47 38.0			65

08-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	084616.2	37 45	-02 00	5	0.2	3.3		SIERRA DEL GIGANTE.MU

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EALH	E		08 57 45.5	E		08 57 52.3	0.06	0.5	
ENIJ	E		08 57 52.1	E		08 58 02.4	0.02	0.3	30
EVIA	E		08 57 55.9	E		08 58 08.7	0.03	0.3	65
AFC	E	=	08 58 03.3	E	=	08 58 21.5			38
EBAN	E		08 58 03.4	E		08 58 23.0	0.02	0.3	43
ASMO	I	*	08 58 04.5	E	*	08 58 25.0			
APHE	E	*	08 58 07.0						
AAPN	E	*	08 58 08.5						
ALOJ	E	*	08 58 10.0						
ATEJ	E	*	08 58 10.5						

08-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	085737.5	37 44	-01 58	6	0.3	2.7		SIERRA DEL GIGANTE.MU

EALH	E		09 03 48.0	I		09 03 55.0	0.20	0.4	90
ENIJ	I		09 03 53.6	E		09 04 03.9	0.17	0.5	95
EVIA	E		09 03 57.1	I		09 04 10.8	0.16	0.5	160
AFC	E		09 04 03.1	E		09 04 20.5	0.09	0.6	85
EBAN	I		09 04 04.9	E		09 04 24.8	0.08	0.4	90
ASMO	I	*	09 04 06.0	E	*	09 04 26.5			
CRT	E	*	09 04 06.5						
APHE	I		09 04 07.0	E	*	09 04 32.0			
ACU	E	=	09 04 08.0	E	=	09 04 28.0			
AAPN	I	*	09 04 10.0	E	*	09 04 35.5			
ALOJ	I	*	09 04 11.7	E	*	09 04 37.0			
ATEJ	I	*	09 04 12.0	E	*	09 04 37.5			
ECHE	E	=	09 04 16.8	E	=	09 04 42.0			60
TOL	E	*	09 04 29.5	I	*	09 05 03.0			60

08-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	090339.3	37 44	-02 01	5	0.2	3.3		SIERRA DEL GIGANTE.AL

TAF	I		23 10 33.8	E	*	23 10 50.3			
MAL	I	*	23 10 38.2						260
ATEJ	E	*	23 10 39.4	E	*	23 10 54.2			
APHE	E		23 10 39.7	E	*	23 10 55.6			
ALM	I		23 10 41.6	I	*	23 11 19.6			245
ALOJ	E		23 10 43.3						
CRT	I		23 10 44.6	E	*	23 11 03.8			
ENIJ	I		23 10 44.6				0.42	0.5	310
AFC	I		23 10 45.4	E		23 11 08.0	0.40	0.5	280
ASMO	E		23 10 47.0	E	*	23 11 08.2			
ALJ	I		23 10 47.5						
AAPN	E	*	23 10 47.5	E	*	23 11 08.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPRU	I	=	23 10 49.5	I	=	23 11 16.0			252
IFR	I		23 10 50.5	I		23 11 17.0			
GIBL	I	*	23 10 53.5						
PINR	I	*	23 10 55.5						
EHOR	I		23 10 57.9	E		23 11 31.0	0.28	0.5	280
EALH	E		23 11 01.2	E		23 11 35.4	0.17	0.6	172
EVIA	E		23 11 04.6	E		23 11 45.0	0.45	0.6	350
EVAL	I		23 11 05.5	E		23 11 46.0	0.23	0.7	245
FIG	I	=	23 11 11.2	I	=	23 11 54.8			
AVE	I		23 11 11.8	I	*	23 12 05.5			
FAR	I		23 11 12.5	I	*	23 11 55.0			
ACU	E		23 11 15.0	E		23 12 00.0	0.05	0.7	115
PAB	I		23 11 18.5	I	*	23 12 02.0			450
ECHE	E		23 11 25.0				0.19	1.0	210
MOE	I		23 11 26.8	I	*	23 12 21.0			
EPLA	I		23 11 30.0	E		23 12 25.7	0.08	0.4	235
LIS	I		23 11 35.4	I	*	23 12 36.4			
TOL	I	=	23 11 36.0	I	=	23 12 28.0	0.08	0.6	270
MTH	I		23 11 38.0	I	*	23 12 40.0			
MTE	E		23 11 41.0	I		23 12 47.0			
COI	I		23 11 44.3	I	*	23 12 49.3			
MVO	I		23 11 47.7	I	*	23 12 55.3			
PTO	I		23 11 55.2	I	*	23 13 07.3			
LGR	I	*	23 12 00.5	I		23 13 16.0			220
EZAM	E		23 12 07.9	E		23 13 34.0			
STS	E		23 12 16.0						211

08-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	231013.4	35 22	-03 34	6	0.6	4.3	III	ALBORAN

EVAL	I	21 50 25.1	E	21 50 26.9	0.08	0.1	90
EHOR	E	21 50 44.8	E	21 51 00.2	0.02	0.2	45
EPRU	E	21 50 47.5	E	21 51 04.5	0.01	0.2	42
MOE	E	21 50 54.0	I	21 51 14.0			
EBAN	E =	21 51 08.4	E =	21 51 37.0	0.01	0.3	40

11-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	215024.1	37 34	-06 39	5	0.4	2.7		VALVERDE DEL CAMINO.H

STS	I	04 32 26.3	E	04 32 38.4	0.09	0.2	73
MVO	I	04 32 28.3	I	04 32 43.5			
PTO	I	04 32 29.1	I	04 32 45.2			
MTE	E =	04 32 39.9	I =	04 33 02.5			
COI	I =	04 32 45.5	=	04 33 11.0			
EPLA	E	04 32 48.0	E	04 33 16.0	0.03	0.3	90
GUD	E =	04 33 09.0	E =	04 33 44.5	0.02	0.3	165

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MOE	E	*	04 33 15.5		*	04 33 43.8			
EVAL	E		04 33 17.5	E		04 34 09.0			
LGR	I	*	04 33 22.0	I	*	04 34 10.5			120
MTH	E	*	04 33 25.0		*	04 33 56.5			
ECRI	E	=	04 33 25.0	E	=	04 34 10.0			70

15-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	043208.4	42 07	-07 47	6	0.5	3.3	III	XINZO DE LIMIA.OR

ASMO	I		01 51 50.2	E		01 51 55.5			
AFC	I		01 51 51.0	E		01 51 56.5	0.03	0.2	35
ALOJ	I		01 51 51.2	E		01 51 58.0			
AAPN	I		01 51 51.5	E		01 51 57.2			
APHE	I		01 51 51.7	E		01 51 57.7			
ATEJ	I		01 51 52.5	E		01 51 59.0			
EBAN	E		01 52 00.6	E		01 52 13.0	0.02	0.2	44

16-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	015144.3	37 13	-03 48	40	0.3			FUENTE VAQUEROS.GR

ALOJ	I	*	08 29 31.5	E		08 29 38.5			
APHE	I		08 29 34.7	E		08 29 38.0			
CRT	I		08 29 35.2	E	*	08 29 39.5			
ATEJ	I		08 29 35.7	E		08 29 39.0			
ASMO	I		08 29 36.0	E		08 29 39.0			
AFC	I		08 29 36.0	I		08 29 39.8	0.11	0.2	50
AAPN	I		08 29 37.5	E	*	08 29 44.0			
EBAN	I		08 29 51.6	I		08 30 05.8	0.03	0.2	40
EHOR	E	=	08 29 57.4	E	=	08 30 16.0	0.01	0.3	40
EVIA	E	=	08 30 06.7	E	=	08 30 30.0	0.03	0.7	50

16-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	082931.5	37 06	-03 49	5	0.4	2.8		CHIMENEAS.GR

EPF			10 21 43.7						
JAU	E		10 21 47.6	E		10 21 53.6			
ESCF	E		10 21 50.3	E		10 21 58.5			
VIH			10 21 51.3		*	10 21 57.3			
ISSF	E		10 21 53.3	E		10 22 02.9			
LPO			10 22 12.1						
OLT			10 22 12.6						
LFF			10 22 13.4						
FONT			10 22 16.5						
ECRI	E	=	10 22 17.2	E	=	10 22 43.0	0.04	0.3	50
LGR	E	=	10 22 18.5	I	=	10 22 43.5			85

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CAF			10 22 18.5						
EBR	E	*	10 22 50.0						

19-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	102140.8	43 01	00 10	5	0.5	3.5	IV	BAGNERES DE BIGORRE.FR

EALH	E		04 18 04.5	E		04 18 10.7	0.02	0.2	32
ENIJ	I		04 18 09.9	E		04 18 20.2	0.01	0.2	30
EVIA	I		04 18 13.8	I		04 18 27.9	0.04	0.3	40
AFC	E		04 18 20.4	E		04 18 38.8			33
ASMO	I		04 18 21.0	E		04 18 41.5			
ATEJ	E	*	04 18 21.0						
APHE	I		04 18 23.5						
AAPN	I		04 18 25.2	E		04 18 49.0			
ALOJ	I		04 18 26.5						

22-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	041756.0	37 43	-01 59	5	0.4	2.7		SIERRA DEL GIGANTE.MU

AFC	I		07 55 22.7	E		07 55 25.0			60
ASMO	I		07 55 22.7	E		07 55 25.0			
CRT	I		07 55 22.8	E	*	07 55 26.0			
APHE	I		07 55 25.2	E		07 55 27.7			
ALOJ	I		07 55 26.2	E		07 55 32.5			
AAPN	I		07 55 26.7	E		07 55 32.7			
ATEJ	I		07 55 27.5	E		07 55 33.5			
EBAN	I		07 55 38.9	I		07 55 51.7	0.01	0.2	65
EHOR	E		07 55 46.3	E		07 56 04.5			
EVIA	E		07 55 50.0	E		07 56 11.8			50

22-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	075520.6	37 12	-03 41	5	0.6	2.7		GRANADA.GR

ECRI	I		17 00 10.9	E		17 00 25.2	0.17	0.1	105
LGR	I		17 00 13.0	I		17 00 27.5			90
ISSF	E	*	17 00 28.0						
GUD	E		17 00 35.6	E		17 01 06.5	0.03	0.1	130
EPF		=	17 00 39.5		=	17 01 12.8	0.01	0.2	
MVO	E	*	17 00 40.1		*	17 01 14.0			
VIH		*	17 00 43.7						
TOL	E		17 00 45.0				0.04	0.5	85
LFF		*	17 00 47.3			17 01 25.6	0.02	0.5	
EPLA	E		17 00 49.0				0.02	0.4	135
LPO		=	17 00 49.5		=	17 01 31.5	0.01	0.4	
EBR	E		17 00 52.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MFF			17 00 53.8			17 01 39.8	0.01	0.2	
RJF			17 00 55.5			17 01 41.5	0.01	0.2	
CAF			17 00 57.7			17 01 47.2	0.01	0.2	
PAB	I	*	17 00 59.0	I	*	17 01 45.0			85
FONT			17 01 01.7						

22-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	165952.6	43 18	-03 32	10	0.4	3.4		RAMALES DE LA V.S

BOH	I		19 05 18.5	E		19 05 20.6			
MADF	I		19 05 19.3	E		19 05 22.6			
EPF			19 05 35.3			19 05 49.1	0.01	0.2	
ECRI	I		19 05 39.0	E		19 05 55.0	0.03	0.2	37
LGR	E		19 05 40.5	I		19 05 56.5			55
VIH			19 05 42.5			19 06 00.2			
LFF		=	19 05 57.3		=	19 06 24.3	0.01	0.3	
LPO		=	19 05 57.7		=	19 06 25.0			
CAF			19 06 01.8						
EBR	E	*	19 06 38.0						

25-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	190517.2	43 08	-01 02	8	0.4	2.6		PIRINEOS

OFD	I		11 11 44.0	I		11 11 47.0			
ABA	I		11 12 08.5	I		11 12 27.5			
ACU	I		11 12 29.2	E		11 13 05.3	0.26	0.9	300
EALH	E		11 12 30.0	E		11 13 07.2	0.44	0.9	330
ENIJ	I		11 12 31.3	E		11 13 10.0	0.46	1.0	370
ALM	I		11 12 34.1	I	*	11 12 37.4			400
ECHE	I		11 12 45.7	I		11 13 33.0	0.23	0.7	350
EVIA	I		11 12 45.7	I		11 13 33.3	0.22	0.3	360
AFC	I		11 12 47.4	I		11 13 36.0	0.62	1.2	305
APHE	I		11 12 47.5	E		11 13 38.5			
CRT	I		11 12 48.0	E	*	11 13 12.5			
ATEJ	I		11 12 49.5	E		11 13 42.7			
ASMO	I		11 12 50.5	E	*	11 13 14.2			
ALOJ	I		11 12 53.2						
EBAN	I		11 12 54.0	I		11 13 49.0	0.08	0.5	330
MAL	I		11 12 54.0	I	*	11 13 16.3	0.48	0.8	300
AAPN	I		11 12 54.6	E	*	11 13 10.0			
EBR	E		11 12 56.0	E	*	11 13 57.0			
EPRU	I		11 13 05.0	I		11 14 06.9	0.24	1.0	310
EHOR	I		11 13 06.2	E		11 14 10.8	0.05	0.7	230
PAB	I		11 13 09.0	E		11 14 16.0			
IFR	I		11 13 10.5	E	*	11 14 11.5			
OLT			11 13 15.7						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
GUD	I		11 13 18.2	I		11 14 29.0	0.05	0.7	300
VIH			11 13 22.1						
EVAL	I		11 13 22.0						160
EPLA	I		11 13 28.9	I		11 14 50.0			270
LGR	I	*	11 13 30.5	I	*	11 14 52.5			330
AVE	I		11 13 36.6						
STS	E		11 14 12.0						225

26-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	111141.5	35 54	01 32	5	0.6	4.9		MOLIERE.ARG

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
OFD	I		21 38 14.5	I		21 38 17.5			
ABA	I	=	21 38 43.0	I	=	21 39 02.0			
ENIJ	E		21 38 56.0	E		21 39 32.0	0.02	0.3	75
ACU	E	=	21 38 57.5	E	=	21 39 31.5			
APHE	I	*	21 39 11.2						
EVIA	E		21 39 12.2	E		21 39 57.8	0.03	0.4	100
ATEJ	I	*	21 39 13.0						
ASMO	I		21 39 15.2						
ALOJ	E		21 39 18.4						
AAPN	I		21 39 19.2						
EBAN	E		21 39 19.6	E		21 40 11.8			80
IFR	E		21 39 35.0	E	*	21 41 12.5			

26-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	213809.6	35 54	01 26	18	0.5	3.8		AMMI MOUSSA.ARG

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
OLT			03 37 50.2						
FONT			03 37 57.0			03 38 04.3			
EPF			03 38 17.7		*	03 38 36.6	0.01	0.2	
LPO		=	03 38 35.0		=	03 39 05.8			
CAF		=	03 38 36.6		=	03 39 08.4			
LFF		=	03 38 42.0		=	03 39 16.4			

28-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	033747.5	42 16	02 33	8	0.2	2.5		OIX.GE

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ENIJ	I		03 08 01.2	E		03 08 7.6	0.14	0.2	75
ALM	I		03 08 02.2	I		03 08 10.1			33
AFC	E		03 08 06.3	E		03 08 16.6	0.03	0.3	77
CRT	E		03 08 07.7						
ASMO	I		03 08 09.0	E	*	03 08 26.5			
APHE	I		03 08 10.0	E	*	03 08 20.0			
EALH	E		03 08 12.0	E		03 08 25.7	0.08	0.6	55
ATEJ	I		03 08 14.5	E	*	03 08 36.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVIA	E		03 08 14.9	E		03 08 32.2	0.06	0.3	70
ALOJ	I		03 08 15.0	E	*	03 08 38.5			
EBAN	E		03 08 15.2	E		03 08 32.0	0.04	0.3	50
AAPN	I	*	03 08 16.1	E	*	03 08 37.2			
MAL	E	*	03 08 25.0	E	*	03 08 47.0			

30-ENE	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	030752.5	37 22	-02 35	7	0.4	3.1		SERON.AL

EVAL	E		14 53 08.0	E		14 53 14.2	0.10	0.7	40
EHOR	E		14 53 14.5	E		14 53 26.0	0.05	0.3	53
MOE	E		14 53 29.0	I		14 53 52.5			
ALOJ	E		14 53 32.0						
EBAN	E		14 53 32.7	E		14 53 57.0	0.02	0.3	52
ATEJ	E	=	14 53 38.0	E	=	14 54 03.0			
MTE	E	*	14 53 46.5		*	14 54 20.0			
EVIA	E		14 53 47.0						
GUD	E		14 53 50.0	E		14 54 27.4			
MVO			14 53 50.3		*	14 54 23.8			

02-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	145259.6	37 52	-06 17	5	0.5	2.9		ZUFRE.H

STS	I		23 29 45.1	I		23 29 47.9	0.16	0.2	100
EZAM	I		23 29 56.4	E		23 30 06.9	0.11	0.3	55
MVO	E	=	23 30 20.9	I	=	23 30 47.9			
MTE	E	=	23 30 32.0		=	23 31 05.0			
GUD	E	=	23 30 57.3	E	=	23 31 44.0	0.01	0.4	80

04-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	232941.1	42 58	-08 47	9	0.4	2.8	IV	NEGREIRA.C

ALR	E	*	05 35 26.0						
MAL	E		05 35 45.3	I		05 36 05.7	0.18	0.4	61
ATEJ	I		05 35 45.6	E		05 36 05.7			
APHE	I		05 35 46.2	E	*	05 36 04.3			
ALOJ	I		05 35 49.5	E		05 36 13.0			
OJEN	E	*	05 35 50.0						
ENIJ	E		05 35 51.5	E		05 36 14.0	0.03	0.3	79
AFC	E		05 35 52.0	E		05 36 14.0	0.03	0.4	58
ASMO	E		05 35 53.7	E		05 36 15.5			
MOMI	E		05 35 54.0	E		05 36 20.0			
PLAT	E		05 35 54.5						
EPRU	E		05 35 56.0	E		05 36 20.5			
IFR	I		05 36 01.0	I	*	05 36 26.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALM	E	*	05 36 03.8	I		05 36 9.1			28
EBAN	E		05 36 04.3	E		05 36 35.0	0.02	0.3	67
EHOR	E		05 36 04.9	E		05 36 36.0			
TOL	E	*	05 36 30.0						110

05-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	053521.4	35 32	-03 29	5	0.8	3.1		ALBORAN

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
FAR	E		19 04 26.0	E		19 04 37.5			
FIG	I		19 04 28.1	I		19 04 40.0			
EVAL	E		19 04 38.9	E		19 05 01.3	0.02	0.3	73
MOE	I		19 04 45.6	I	*	19 05 11.2			
EPRU	E		19 04 49.6	E		19 05 17.7			60
MTH	I		19 04 52.6	I		19 05 26.0			
AVE	I		19 04 54.5	I		19 05 27.0			
EHOR	E		19 04 54.9	E		19 05 26.3			
ALOJ	E		19 05 02.0	E	*	19 05 37.5			
AAPN	E		19 05 02.5	E		19 05 40.7			
ATEJ	E		19 05 02.7	E		19 05 40.0			
IFR	I		19 05 04.0	I	*	19 05 42.0			
APHE	E		19 05 06.5						
ASMO	E		19 05 07.0	E		19 05 48.0			
AFC	E		19 05 08.8	E		19 05 51.8			
EPLA	E		19 05 12.1	E		19 05 58.8	0.01	0.3	
MTE			19 05 13.0		*	19 05 57.0			
EVIA	E		19 05 24.7	E		19 06 21.6			
TIO	I		19 05 26.0	I	*	19 06 21.5			
GUD	E		19 05 29.1	E		19 06 29.0	0.01	0.4	

06-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	190410.6	36 09	-08 14	30	0.6	3.1		ATLANTICO

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
OLT			17 13 36.8						
VIH			17 13 39.3		*	17 13 48.5			
FONT			17 13 41.7						
AVN			17 13 44.1			17 13 58.5			
EPF			17 13 47.1		*	17 14 00.4			
EBR	E	=	17 14 01.0	E	=	17 14 26.5			
CAF			17 14 04.3						
LFF			17 14 07.0				0.03	0.3	

07-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	171325.3	42 33	01 50	5	0.3	3.3		PORTE.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALOJ	I		14 58 22.2	E		14 58 25.0			
ATEJ	I		14 58 23.7	E		14 58 27.5			
AAPN	E		14 58 25.5	E		14 58 29.2			
MAL	I		14 58 25.8	I		14 58 31.0	1.87	0.4	45
APHE	I		14 58 27.2	E		14 58 35.0			
ASMO	I		14 58 29.5	E	*	14 58 38.0			
AFC	E		14 58 31.2	E		14 58 39.8	0.02	0.3	
CRT	E	*	14 58 32.0						
EPRU	E		14 58 34.6	E		14 58 44.7	0.02	0.4	
EHOR	I		14 58 39.0	E		14 58 54.0	0.02	0.3	70
EBAN	E		14 58 41.0	E		14 58 56.0			
EVAL	E		14 58 52.3	E		14 59 17.2			

09-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	145819.6	37 02	-04 15	12	0.5	2.7		SIERRA DE LOJA.GR

EVAL	I		12 17 50.7	E		12 17 56.8	0.03	0.3	40
EHOR	E		12 17 57.8	E		12 18 08.8	0.05	0.3	45
AAPN	E		12 18 13.5						
ALOJ	E		12 18 14.5						
ATEJ	E		12 18 17.5						
APHE	E		12 18 20.0						
EPLA	E		12 18 20.0	E		12 18 47.0	0.01	0.3	50
ASMO	E	*	12 18 21.0						
GUD	E		12 18 33.4	E		12 19 12.0	0.02	0.4	65

10-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	121742.8	37 50	-06 17	5	0.3	2.9		ZUFRE.H

ALM	E		07 40 14.6	I		07 40 21.8			
EALH	E		07 40 20.0	E		07 40 30.9	0.05	0.5	30
APHE	I		07 40 25.2						
ASMO	E		07 40 25.5	E	*	07 40 45.0			
EVIA	E		07 40 26.1	E		07 40 43.4	0.04	0.3	60
EBAN	E		07 40 29.1	E		07 40 48.0	0.02	0.3	72
ATEJ	E		07 40 30.0						
ALOJ	E		07 40 30.5						
AAPN	I	*	07 40 32.2	E	*	07 40 54.0			

11-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	074004.2	37 24	-02 19	5	0.4	2.9		OLULA DEL RIO.AL

MOE	I		23 00 38.6	I		23 00 44.5			
LIS	E		23 00 47.9	I		23 01 00.8			
MTH	I		23 00 50.4	I		23 01 05.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
FIG	I		23 00 53.4	I		23 01 07.7			
FAR	I	*	23 00 55.3	I		23 01 09.0			
EVAL	I		23 00 55.9	I		23 01 13.0	0.06	0.2	100
EPLA	E		23 01 11.9	E		23 01 41.0	0.02	0.3	90
EPRU	E		23 01 14.5	E		23 01 46.0			65
MTE	E	=	23 01 15.0	I	=	23 01 41.8			
EHOR	E	=	23 01 16.7	E	=	23 01 45.0	0.04	0.2	88
MVO	E		23 01 20.4	E		23 01 56.2			
TOL	E	*	23 01 40.0	I	*	23 02 27.0			

13-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	230032.6	38 12	-08 14	13	0.4	3.3		ODIVELAS.PORT

ALOJ	I		02 17 47.5	E		02 17 53.5			
AAPN	I		02 17 48.0	E		02 17 53.5			
ATEJ	I		02 17 49.0	E		02 17 58.0			
EPRU	E		02 17 50.5	E		02 17 57.8			
ASMO	E		02 17 52.5	E	*	02 18 14.5			
APHE	I		02 17 53.5						
EHOR	E		02 17 53.8	E		02 18 05.0	0.01	0.2	
AFC	E		02 17 55.4	E		02 18 06.4	0.01	0.3	
EBAN	I		02 18 00.2	E		02 18 14.1			

14-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	021739.7	37 12	-04 36	20	0.4	2.6		ALAMEDA.MA

ECRI	I		02 18 23.2	E		02 18 48.0	0.03	0.2	75
LGR	I		02 18 24.0	I		02 18 49.0			105
GUD	E	=	02 18 39.3	E	=	02 19 08.8	0.02	0.3	120
MVO	I		02 18 30.5	I		02 19 00.5			
STS	E		02 18 32.8	E		02 19 04.8	0.01	0.3	
EZAM	E		02 18 38.0	E		02 19 11.0	0.01	0.4	
EPLA	E	=	02 18 36.3	E	=	02 19 11.8	0.02	0.3	100
EPF			02 18 52.4			02 19 38.0			
LPO		=	02 19 00.4		=	02 19 53.2	0.01	0.3	

19-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	021752.3	43 03	-05 01	5	0.6	3.1		RIAÑO.LE

JAU	I		07 43 39.2	E		07 43 40.8			
ESCF	I		07 43 40.8	E		07 43 42.8			
EPF			07 43 47.4			07 43 55.2			
VIH			07 43 55.2			07 44 06.4			
AVN		*	07 44 05.7						
ECRI	E	=	07 44 08.9	I	=	07 44 30.1	0.01	0.3	35

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LPO		=	07 44 13.8		=	07 44 39.8	0.02	0.3	
LFF		=	07 44 14.2		=	07 44 41.0	0.03	0.3	
LGR	E	*	07 44 24.0	I	*	07 44 31.3			35
CAF		=	07 44 24.7		=	07 44 57.2	0.02	0.2	

19-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	074337.3	42 56	-00 25	5	0.3	3.2	IV	EAUX-BONNES.FR

MTE	I		22 22 22.0	I		22 22 31.0			
COI	I		22 22 24.0			22 22 33.3			
EPLA	I		22 22 30.7	I		22 22 46.0	0.08	0.2	105
MOE	I		22 22 33.0	I		22 22 49.5			
MVO	E		22 22 33.0	E		22 22 50.5			
PTO	I	*	22 22 37.6	I	*	22 23 04.5			
MTH	E	=	22 22 40.0	E	=	22 22 58.0			
EVAL	E	=	22 22 52.0	E	=	22 23 19.0	0.02	0.3	70
GUD	E	=	22 22 58.8	E	=	22 23 30.2	0.01	0.3	112
TOL	E	*	22 22 55.0	I	*	22 23 34.0	0.03	0.4	85
PAB	I	=	22 22 56.0	I	=	22 23 24.0			
EHOR	E	=	22 22 57.3	E	=	22 23 27.5	0.02	0.3	80
EBAN	E	=	22 23 13.0	E	=	22 23 50.8	0.02	0.3	88

23-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	222210.6	39 48	-07 38	29	0.3	3.2	III	CASTELO BRANCO.PORT

ACU	I		04 57 09.5	I		04 57 16.4	0.05	0.2	66
ECHE	I		04 57 14.7	I		04 57 24.5	0.09	0.2	76
EALH	E		04 57 23.3	E		04 57 41.3			
EROQ	E		04 57 32.0	E		04 57 55.5	0.04	0.3	62
EBR	E		04 57 32.0	E	*	04 58 01.0			
ASMO	I		04 57 48.0						
APHE	E		04 57 51.5						
AAPN	I		04 57 52.0	E		04 58 30.7			
ALOJ	I		04 57 53.5	E		04 58 33.5			
GUD	E	=	04 58 04.5	E	=	04 58 43.0	0.02	0.4	100

25-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	045700.7	38 59	-00 23	15	0.4	3.1		PINET.V

EHOR	I		23 26 41.8	I		23 26 45.0	0.10	0.1	78
EPRU	I		23 26 52.3	E		23 27 03.5	0.01	0.1	50
EVAL	I		23 26 54.7	I		23 27 07.5	0.06	0.1	76
EBAN	I		23 27 03.0	E		23 27 21.5	0.01	0.1	43
GIBL	E	*	23 27 03.0						
SRQ	E	*	23 27 06.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AFC	E	=	23 27 08.0	E	=	23 27 29.5			51
EPLA	E	=	23 27 22.0	E	=	23 27 50.4	0.01	0.3	78
PAB	E	*	23 27 22.0	I	*	23 27 39.5			50
EVIA	E	=	23 27 22.0	E	=	23 27 52.7			53
TOL	E	*	23 27 39.0	I	*	23 27 53.0			
GUD	E	=	23 27 34.0	E	=	23 28 10.0			70

25-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	232637.1	37 45	-05 33	5	0.2	2.9		CONSTANTINA.SE

ABA	I		08 10 16.0	I		08 10 36.0			
EALH	E		08 10 32.4	E		08 11 05.3			150
ACU	I		08 10 33.3	E		08 11 06.0			160
ENIJ	E		08 10 34.0	E		08 11 07.4			135
EVIA	E		08 10 49.0	E		08 11 33.2	0.16	1.0	166
AFC	E		08 10 50.8	E		08 11 36.0			120
ECHE	E		08 10 50.0	E		08 11 34.0			120
APHE	I	*	08 10 50.3						
ATEJ	I	*	08 10 52.7						
ASMO	I	*	08 10 54.0						
ALOJ	I	*	08 10 56.5						
AAPN	I	*	08 10 57.5						
EROQ	E		08 11 01.0	E		08 11 54.8			
EPRU	E		08 11 08.0						
IFR	I		08 11 13.5	I	*	08 12 57.0			
GUD	E		08 11 22.0						

26-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	080949.9	35 57	01 16	26	0.5	3.9		MASSENA.ARG

OFD	I		04 01 25.0	I		04 01 29.0			
ABA	I		04 01 48.5	I		04 02 08.5			
ACU	E		04 02 09.0	E		04 02 44.8	0.04	0.7	160
EALH	E		04 02 09.6	E		04 02 46.0			160
ENIJ	E		04 02 10.2	E		04 02 48.0	0.02	0.5	240
SET	I		04 02 12.5						
ALM	E		04 02 13.3	E	*	04 02 48.6			150
EVIA	E		04 02 25.0	E		04 03 13.5	0.07	0.5	250
ECHE	E		04 02 25.2	E		04 03 13.3	0.04	0.6	170
APHE	I		04 02 27.1						
ATEJ	I		04 02 29.2						
ASMO	I		04 02 30.0						
ALOJ	I		04 02 32.2						
AAPN	I		04 02 34.0						
AFC	E		04 02 27.0						200
CRT	I		04 02 27.5						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	E	*	04 02 33.0						
EBAN	E		04 02 33.0	E		04 03 28.5			120
EBR	E		04 02 37.0	E	*	04 03 31.0			
EPRU	E		04 02 44.2						160
PAB	E		04 02 48.5	E	*	04 04 05.0			350
TOL	E		04 02 49.6	E		04 03 54.0	0.04	1.0	250
AVN			04 02 51.5						
GUD	E		04 02 57.9	E		04 04 09.6	0.01	0.5	160
VIH			04 03 01.7						
LMR			04 03 24.2		*	04 04 51.8	0.01	0.6	

28-FEB	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	040121.8	35 53	01 29	5	0.6	4.0		MOLIERE.ARG

OJEN	E	*	14 10 52.0						
MAL	I	=	14 10 55.0	I	=	14 11 13.5			140
ATEJ	I		14 10 56.5	E	*	14 11 12.5			
APHE	I		14 10 57.0	I	*	14 11 13.0			
SRQ	E	*	14 10 57.0						
ALM	E		14 10 59.2	I		14 11 20.2			130
ALOJ	I		14 11 00.0	E	*	14 11 19.0			
CRT	E		14 11 01.0						
AFC	E		14 11 02.7	E		14 11 23.0	0.07	0.5	150
ENIJ	E		14 11 03.0	E		14 11 25.0	0.11	0.5	160
ASMO	I		14 11 03.2	E		14 11 24.5			
AAPN	I		14 11 03.5	E		14 11 24.5			
PLAT	E		14 11 04.0						
MOMI	E		14 11 05.0						
EPRU	E		14 11 06.6	E		14 11 29.6	0.18	0.8	240
IFR			14 11 08.2						
ALJ	E	*	14 11 13.0						
EHOR	E		14 11 15.1	E		14 11 46.0			150
EBAN	E		14 11 16.2	E		14 11 45.2	0.04	0.4	150
FIG	E	*	14 11 18.0	E	*	14 12 09.9			
EVAL	I		14 11 22.2	E		14 12 00.2	0.05	0.7	185
PINR	E	*	14 11 22.0						
GIBL	E	*	14 11 23.0						
EVIA	E	=	14 11 29.0	E	=	14 12 06.5	0.08	0.6	145
PAB	E		14 11 35.0						315
AVE		*	14 11 39.0						
TOL	I		14 11 39.5	E		14 12 28.0	0.06	1.0	170
MOE	E		14 11 44.8	E		14 12 38.0			
EPLA	E		14 11 47.0	E		14 12 42.8			133
GUD	E		14 11 49.3	E		14 12 46.6	0.01	0.5	150

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TIO			14 11 52.0						
MTE	E		14 11 58.5	E		14 13 02.3			

01-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	141033.3	35 25	-03 33	27	0.7	3.3		ALBORAN

ESCF	I		10 41 54.5						
ATE	I		10 41 56.2						
EPF			10 42 06.5						
ECRI	I		10 42 21.0	E		10 42 38.2	0.16	0.1	
AVN			10 42 22.2						
LGR	I		10 42 22.2	I		10 42 42.5			
LPO			10 42 27.6				0.02	0.4	
LFF			10 42 28.4				0.02	0.3	
CAF			10 42 35.4				0.01	0.3	
RJF			10 42 35.7				0.01	0.3	
OLT		*	10 42 36.3						
EBR	E	=	10 42 41.0	E	=	10 43 08.0			
LSF			10 42 46.1			10 43 26.2	0.01	0.3	
MFF			10 42 46.9				0.01	0.6	
ECHE	E		10 42 48.6	E		10 43 29.5	0.01	0.3	
TCF			10 42 49.8						
GUD	I		10 42 49.9	E		10 43 31.0	0.01	0.2	
EVIA	E		10 43 05.0						
EPLA	E		10 43 09.9						
TOL	E	*	10 43 13.0	E	*	10 44 05.0	0.04	0.8	120
EBAN	E		10 43 15.0						
MTE	E	*	10 43 24.0			10 44 26.5			
MOE	I	=	10 43 41.2	I	=	10 45 02.0			

03-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	104153.8	43 08	-00 34	6	0.9	3.9		ASASP.FR

ATE	I		10 42 50.9	E		10 42 52.2			
MADF	E		10 42 52.5	E		10 42 55.1			
EPF			10 43 03.9			10 43 13.8			
ECRI	E		10 43 17.6	E		10 43 37.0			
LGR	I		10 43 18.2	I		10 43 38.3			
AVN		=	10 43 19.7		=	10 43 40.7			
LPO		=	10 43 29.0		=	10 43 54.6	0.01	0.3	
LFF		=	10 43 29.8		=	10 43 56.4	0.01	0.3	
RJF		=	10 43 40.6		=	10 44 13.6			
CAF		=	10 43 41.0		=	10 44 13.6			

03-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	104250.9	43 06	-00 38	5	0.5	3.6		ASASP.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MADF	I		16 47 07.8	E		16 47 12.5			
OGE	I		16 47 08.0						
EPF			16 47 18.4			16 47 30.2			
VIH			16 47 27.2			16 47 44.9			
ECRI	E	=	16 47 33.0	E	=	16 47 54.0			
LGR	E	=	16 47 34.5	I	=	16 47 55.7			65
LFF		=	16 47 37.2		=	16 48 00.8	0.02	0.3	
LPO		=	16 47 37.9		=	16 48 02.4	0.02	0.3	
RJF		=	16 47 49.0		=	16 48 20.2	0.01	0.3	

03-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	164703.4	43 23	-00 41	5	0.5	3.2	III	LAGOR.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECRI	I		17 37 56.6	E		17 38 05.5	0.08	0.2	100
LGR	I		17 37 57.6	I		17 38 07.0			125
MADF	E		17 37 58.9	E		17 38 10.1			
ATE	E		17 38 00.1						
EPF			17 38 13.6		*	17 38 37.0			
AVN			17 38 18.4						
VIH		*	17 38 18.7		*	17 38 43.3			
LFF			17 38 30.8			17 39 03.8	0.02	0.4	
GUD	E		17 38 30.9	E		17 39 04.0	0.01	0.4	110
LPO			17 38 31.6			17 39 06.2	0.03	0.5	
EBR	E	=	17 38 34.0	E	=	17 39 04.0			110
OLT			17 38 35.2						121
CAF			17 38 40.0			17 39 21.2	0.01	0.3	
ECHE	E	=	17 38 46.2	E	=	17 39 24.0	0.04	0.7	
TOL	E	*	17 38 50.0	I	*	17 39 35.0	0.03	0.8	80
PAB	E	=	17 38 59.0	E	=	17 39 42.0			

03-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	173745.8	42 43	-01 41	5	0.5	3.3	III	SIERRA DEL PERDON.NA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECRI	E		01 59 17.8	I		01 59 26.8	0.04	0.2	50
LGR	E		01 59 18.0	I		01 59 28.5			85
MADF	E		01 59 20.0						
ATE	E		01 59 20.9						
EPF			01 59 33.5		*	01 59 56.4	0.02	0.3	
AVN		*	01 59 41.9						
EROQ	E		01 59 45.5	E		02 00 15.2	0.01	0.4	
GUD	E		01 59 50.5	E		02 00 23.2	0.01	0.4	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
RJF			02 00 00.3						
CAF			02 00 00.7			02 00 42.0			
08-MAR HO			LAT LONG	PRO	RMS	MAG INT			
SSIS 015906.3			42 41 -01 39	5	0.3	2.9 SIERRA DEL PERDON.NA			
ASMO	I		19 52 18.2	E		19 52 24.0			
EBAN	I		19 52 18.4	I		19 52 24.2	0.03	0.2	40
AFC	E		19 52 19.8	E		19 52 27.0	0.01	0.2	30
AAPN	I		19 52 22.6	E		19 52 31.5			
ALOJ	E		19 52 24.7	E		19 52 35.5			
APHE	E		19 52 25.0						
ATEJ	E	*	19 52 29.0	E		19 52 39.5			
EVIA	E		19 52 32.4	E		19 52 48.8	0.02	0.3	40
EHOR	E		19 52 34.4	E		19 52 51.8	0.02	0.2	45
09-MAR HO			LAT LONG	PRO	RMS	MAG INT			
SSIS 195210.5			37 46 -03 34	6	0.3	2.8 SIERRA MAGINA.J			
ASMO	I		00 36 49.7	E		00 36 53.4			
AFC	I		00 36 49.8						360
EBAN	I		00 36 50.5						315
CRT	I		00 36 51.8	E		00 36 57.0			
AAPN	I		00 36 54.7						
APHE	I		00 36 55.7	E		00 37 04.4			
ALOJ	I		00 36 56.9	E		00 37 05.4			
ATEJ	I		00 36 58.2	E		00 37 08.3			
EVIA	I		00 37 01.0						375
ALM	I		00 37 02.2	I	*	00 37 20.5			230
ENIJ	I		00 37 02.7						270
MAL	I		00 37 05.0	E		00 37 21.0			
EHOR	E		00 37 07.0	E		00 37 24.7			310
EALH	I		00 37 08.0	E		00 37 26.7			260
EPRU	I		00 37 10.0	I		00 37 29.5	0.17	0.3	320
PAB	E		00 37 12.0						215
TOL	I		00 37 16.5	I	*	00 37 35.5	2.81	0.6	370
ALJ	I	*	00 37 17.5	E	*	00 37 46.0			
GIBL	I		00 37 17.5	E		00 37 45.0			
SRQ	I	*	00 37 18.0						
ACU	I		00 37 20.0	I		00 37 50.0	0.13	0.2	190
OJEN	I	*	00 37 21.0	E	*	00 37 52.0			
ECHE	E		00 37 22.0	E		00 37 55.0	0.11	0.2	300
EVAL	E		00 37 22.4				0.21	0.2	350
PLAT	I	*	00 37 23.0						
TAF	I	*	00 37 26.0	I		00 38 04.0			170
GUD	E		00 37 26.5	I		00 38 02.2			345

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPLA	E		00 37 29.8	E		00 38 06.3	0.18	0.3	290
FIG	E		00 37 35.5	I		00 38 16.4			
FAR	E		00 37 37.1	I		00 38 19.5			
MOE	E		00 37 41.0	I		00 38 26.0			
MTE	E		00 37 43.8	I		00 38 31.0			
EROQ	E		00 37 44.4	E		00 38 33.0	0.08	0.3	250
OFD	E	*	00 37 48.0						
IFR	I	=	00 37 49.5	I	=	00 38 40.0			
COI	E		00 37 49.6	I	*	00 39 04.3			
MTH	E		00 37 51.0	E		00 38 44.0			
LGR	E		00 37 52.5	I	*	00 38 47.5			330
MOE	I	*	00 37 53.0	I	*	00 38 44.5			
ECRI	E		00 37 55.0	E		00 38 49.5	0.12	0.2	225
AVN			00 37 56.9						
MTE	I	*	00 37 57.6	I	*	00 38 50.2			
VIH			00 38 06.0						
AVE	I	*	00 38 08.0	I	*	00 39 03.0			230
EPF			00 38 08.1		*	00 39 08.0			
MTH	E	*	00 38 09.5	I	*	00 39 11.0			
OLT			00 38 12.0						
LIS		*	00 38 13.1		*	00 39 07.6			
TIO	I		00 38 30.5	I		00 39 52.0			240

11-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	003640.5	37 44	-03 24	6	0.9	4.3	V	BELMEZ DE LA MORALEDA.

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ASMO	I		08 37 28.2	E		08 37 35.5			
AFC	E		08 37 28.5	E		08 37 36.0	0.01	0.2	20
EBAN	I		08 37 28.7	E		08 37 36.0	0.01	0.2	25
AAPN	E		08 37 33.0	E		08 37 44.0			
APHE	E		08 37 34.5						
ALOJ	E		08 37 35.2						
ATEJ	E		08 37 37.0						

12-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	083718.6	37 46	-03 19	6	0.1	2.5		BELMEZ DE LA MORALEDA.

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ASMO	I		04 06 26.0	E		04 06 32.0			
AFC	I		04 06 26.3	I		04 06 33.2	0.03	0.2	62
EBAN	I		04 06 26.6	I		04 06 33.5	0.03	0.2	68
AAPN	I		04 06 31.4	E		04 06 41.0			
APHE	I		04 06 32.5	E		04 06 43.0			
ALOJ	I		04 06 33.0	E		04 06 44.0			
ATEJ	I		04 06 35.2	E	*	04 06 47.0			
EVIA	I		04 06 37.0	I		04 06 51.3	0.02	0.2	60
ENIJ	E		04 06 38.2	E		04 06 55.2	0.02	0.2	45

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EHOR	E		04 06 43.7	E		04 07 03.0	0.03	0.2	50
PAB	E	*	04 06 52.0	E	*	04 07 08.0			55
TOL	E	*	04 06 57.0	E	*	04 07 26.0	0.02	0.6	50
GUD	E	=	04 07 11.4	E	=	04 07 46.8	0.01	0.3	65

13-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	040616.6	37 45	-03 21	5	0.4	2.8		BELMEZ DE LA MORALEDA.J

EALH	I		23 12 05.9	I		23 12 10.0	0.16	0.3	68
ACU	E		23 12 17.4	E		23 12 29.0	0.06	0.7	50
EVIA	I		23 12 21.4	I		23 12 35.5	0.05	0.2	
ENIJ	E		23 12 25.0	E		23 12 41.7	0.02	0.4	
ECHE	I		23 12 27.3	E		23 12 47.0	0.02	0.3	74
EBAN	I		23 12 33.8	E		23 12 57.0	0.01	0.2	60
ASMO	E	*	23 12 38.0	E	*	23 13 06.5			
AAPN	E	*	23 12 41.2	E	*	23 13 17.5			
APHE	E	*	23 12 42.5						
ALOJ	E	*	23 12 44.0						
ATEJ	E	*	23 12 50.0						
TOL	E	*	23 12 54.0	I	*	23 13 29.0	0.02	0.4	65
GUD	E	=	23 13 07.8	E	=	23 13 46.2	0.01	0.3	76

13-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	231201.9	38 05	-01 20	11	0.3	2.9		SIERRA DE LA MUELA.MU

EHOR	I		05 51 47.8	E		05 51 54.4	0.02	0.2	35
AAPN	I		05 51 50.0	E		05 51 59.0			
ALOJ	I		05 51 53.0						
ASMO	I		05 51 53.7	E		05 52 05.0			
EBAN	I		05 51 53.8	I		05 52 04.3	0.02	0.2	42
ATEJ	E		05 51 56.5	E		05 52 10.0			
AFC	I		05 51 57.3	E		05 52 11.2			38
APHE	E		05 51 58.5	E		05 52 14.0			

16-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	055139.0	37 45	-04 40	14	0.2	2.6		SANTA CRUZ.CO

ENIJ	I		07 14 21.4						
ALM	E		07 14 25.1	I		07 14 32.0			26
EALH	E		07 14 27.8	E		07 14 38.6	0.04	0.3	
AFC	E		07 14 35.4	E		07 14 51.2	0.02	0.2	
CRT	I		07 14 36.0						
APHE	I		07 14 37.5						
ASMO	I		07 14 38.3	I	*	07 14 59.2			
EVIA	I		07 14 39.0	I		07 14 56.6	0.06	0.2	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBAN	I		07 14 42.0	E		07 15 02.8	0.04	0.1	
ATEJ	I		07 14 42.2						
ALOJ	I		07 14 43.0						
AAPN	I	*	07 14 44.1	I	*	07 15 07.5			
MAL	E	*	07 14 45.0	I	*	07 15 16.0			
PAB	E	*	07 15 07.0	E	*	07 15 31.0			70

19-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	071414.7	37 16	-02 01	15	0.4	3.0	III-IV LUBRIN.AL

ALM	E		10 49 01.5	I		10 49 3.7			19
ENIJ	I		10 49 02.5	E		10 49 5.0	0.09	0.2	45
AFC	E		10 49 14.1	E		10 49 26.0			30
APHE	E		10 49 15.5						
ASMO	E	*	10 49 19.5						
ALOJ	E	*	10 49 22.2						
ATEJ	E	*	10 49 23.0						
AAPN	E	*	10 49 25.5						
EBAN	E	=	10 49 27.7	E	=	10 49 48.0			30
EVIA	E	=	10 49 30.0	E	=	10 49 50.0	0.01	0.5	40

20-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	104857.8	37 00	-02 28	13	0.3	2.7	SIERRA ALHAMILLA.AL

APHE	I		18 55 31.9	E		18 55 34.5			
ATEJ	I	*	18 55 34.5	E		18 55 38.5			
CRT	I		18 55 36.2	E		18 55 41.5			
ALOJ	I	*	18 55 36.4	E		18 55 43.5			
AFC	I		18 55 36.8	E		18 55 42.0			110
ASMO	I		18 55 38.2	E		18 55 46.0			
AAPN	I		18 55 40.0	E		18 55 48.2			
MAL	I	=	18 55 40.0	I	=	18 55 47.6	2.14	0.6	67
ALM	I		18 55 48.8	I	*	18 56 15.2			46
ENIJ	I	=	18 55 52.1	E	=	18 56 07.7	0.05	0.1	75
EBAN	I		18 55 53.9	E		18 56 11.7	0.05	0.1	90
EPRU	E		18 55 54.5	E		18 56 12.4	0.07	0.4	90
EHOR	E	=	18 55 58.7	E	=	18 56 19.4	0.04	0.4	100
OJEN	E		18 56 01.0						
ALJ	E	*	18 56 02.0						
EVIA	E		18 56 03.9	E		18 56 28.6	0.06	0.3	120
EALH	E		18 56 05.4						70
GIBL	E	*	18 56 10.0						
PAB	E		18 56 15.0	E	*	18 56 41.5			175
MOE	E		18 56 32.0		*	18 57 15.0			
TOL	I	=	18 56 33.5	I	=	18 57 07.0	0.05	0.8	100
FIG	E	*	18 56 41.5		*	18 57 09.5			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTE	E		18 56 42.5		*	18 57 53.0			
MVO	I		18 56 45.0						

20-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	185531.3	36 55	-03 41	5	0.9	3.3	IV	PADUL.GR

ACU	E		15 35 48.3	E		15 35 53.7	0.07	0.8	30
EALH	E		15 35 53.0	E		15 36 01.2			30
ECHE	E		15 36 03.6	E		15 36 20.4			30
EVIA	E		15 36 04.5	E		15 36 22.0	0.02	0.3	50

21-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	153540.9	38 16	-00 47	17	0.2	2.7		ELCHE.A

ALOJ	I		19 56 01.7	I		19 56 04.5			
ATEJ	I		19 56 02.7	E		19 56 06.0			
AAPN	I		19 56 04.5	E		19 56 10.0			
MAL	I		19 56 04.8	I		19 56 10.3			
APHE	I		19 56 07.0	E		19 56 14.2			
ASMO	I		19 56 09.0						
AFC	E		19 56 11.5	E		19 56 18.8			
EHOR	E		19 56 20.4	E		19 56 36.0	0.01	0.4	
EBAN	E		19 56 21.8	E		19 56 38.5	0.01	0.3	32

24-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	195559.5	37 00	-04 14	5	0.5	2.5		ALFARNATE.MA

ABA	I		14 27 41.0	I		14 27 53.0			
OFD	I		14 27 49.0	I		14 28 05.0			
SET	E		14 28 00.5	I	*	14 28 40.0			
ACU	E		14 28 23.8	E		14 29 04.8	0.01	0.5	65
ENIJ	E		14 28 31.9	E		14 29 20.6			100
ECHE	E		14 28 38.5						90
EVIA	E		14 28 43.7	E		14 29 40.6	0.03	0.7	145
EROQ	E		14 28 44.0	E		14 29 43.0	0.01	0.7	90
APHE	I		14 28 48.0						
ASMO	E		14 28 51.0						
ALOJ	E		14 28 53.5						
AAPN	I		14 28 55.5						
OLT			14 28 57.0						
AVN			14 28 57.7						
GUD	E		14 29 13.4						
EPF		*	14 29 22.6						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
IFR		*	14 29 52.0						
AVE		*	14 30 03.0						

25-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	142728.4	36 03	03 01	12	0.7	3.8		BERROUAGHIA.ARG

AAPN	I		08 33 25.7	E		08 33 28.0			
ALOJ	I		08 33 28.5	E		08 33 33.0			
ASMO	I		08 33 32.0	E		08 33 38.0			
ATEJ	I	*	08 33 34.5	E		08 33 40.0			
APHE	E		08 33 35.5	E		08 33 44.0			
AFC	E		08 33 35.6	E		08 33 44.2			35
EHOR	E		08 33 37.8	E		08 33 50.5	0.01	0.2	42
EBAN	E		08 33 40.3	E		08 33 52.0	0.02	0.2	40
EPRU	E	=	08 33 40.6	E	=	08 33 52.0			24
EVIA	E	=	08 33 59.2	E	=	08 34 23.0	0.03	0.7	65

26-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	083323.0	37 22	-04 21	5	0.5	2.7		RUTE.CO

ATEJ	I		09 38 35.0	E	*	09 38 37.1			
MAL	I		09 38 35.8	I		09 38 42.7	2.65	0.5	105
ALOJ	I		09 38 36.0	E	*	09 38 38.5			
APHE	I		09 38 36.1	E	*	09 38 39.1			
AAPN	I		09 38 38.6	E	*	09 38 43.8			
CRT	E		09 38 39.3	E	*	09 38 43.0			
AFC	I		09 38 39.5	E		09 38 49.0	0.12	0.1	180
ASMO	I		09 38 39.6	E	*	09 38 45.0			
EPRU	I		09 38 43.8			09 38 55.0	0.13	0.3	124
SRQ	I		09 38 46.0						
ALM	I		09 38 47.2	I	*	09 39 15.2			90
ALJ	E	*	09 38 48.0						
EBAN	I		09 38 48.9			09 39 04.5			175
EHOR	I		09 38 49.0			09 39 05.0	0.19	0.1	
MOMI	I		09 38 50.0						
OJEN	E	*	09 38 50.0						
ENIJ	E		09 38 50.0				0.04	0.2	174
GIBL	E		09 38 51.0						
PLAT	E	*	09 38 52.0						
PINR	E	*	09 38 56.0						
CNIL	E	*	09 38 56.0						
EVIA	E		09 39 00.0			09 39 25.0	0.07	0.2	222
EVAL	I		09 39 00.0			09 39 25.9	0.21	0.1	163
TAF	I		09 39 01.0	I		09 39 28.0			80
PAB	I		09 39 07.0	I		09 39 38.0			250
FIG			09 39 10.6			09 39 43.8			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TOL	I		09 39 12.6	E		09 39 46.0	0.05	0.8	125
IFR	I		09 39 15.0	I	*	09 39 51.0			110
EPLA	I		09 39 18.9			09 39 58.5	0.04	0.1	172
ECHE	I		09 39 20.2				0.01	0.2	145
MOE	I		09 39 21.0	I		09 40 02.2			
GUD	I		09 39 22.4	E		09 40 04.5	0.01	0.3	238
AVE	E	=	09 39 29.0	I	=	09 40 17.5			140
MTE	I		09 39 30.5	I		09 40 20.0			
LIS	I		09 39 30.8	I		09 40 18.3			
MTH	I		09 39 31.7	I		09 40 20.3			
COI	I		09 39 35.7	I	*	09 40 26.3			
MVO	I		09 39 35.8	I		09 40 29.5			
TIO	I		09 39 57.0	I		09 41 06.5			
EZAM	I		09 39 58.2			09 41 08.2			
STS	I		09 40 05.6			09 41 20.3			

27-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	093825.3	36 47	-04 06	69	0.7	3.5	III	TORRE DEL MAR.MA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		09 45 46.0						
ATEJ	I		09 45 50.0	E		09 45 58.5			
ALOJ	I		09 45 50.7	E		09 46 00.3			
EPRU	I		09 45 52.4				0.02	0.4	63
AAPN	I		09 45 53.7	E		09 46 04.7			
APHE	I		09 45 54.0						
ASMO	E		09 45 57.3	E		09 46 11.5			
AFC	E	=	09 46 00.4	E	=	09 46 14.2	0.01	0.2	53
EHOR	I		09 46 01.6	E		09 46 17.9	0.02	0.2	50
EBAN	E		09 46 07.9	E		09 46 26.0	0.02	0.1	45

27-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	094540.2	36 37	-04 35	25	0.6	2.8		TORREMOLINOS.MA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
FIG	I		20 33 53.5			20 34 23.0			
MTH	E		20 33 59.0	I		20 34 32.1			
MOE	E		20 34 00.0	I		20 34 34.0			
EVAL	I		20 34 06.8	E		20 34 46.0	0.02	0.2	104
AVE	I		20 34 11.8			20 34 55.0			120
EHOR	E		20 34 23.2	E		20 35 15.6			
MTE	E		20 34 24.5			20 35 18.5			
IFR	I	*	20 34 29.5		*	20 35 24.0			135
EPLA	E		20 34 31.6	E		20 35 30.2			
ALOJ	E		20 34 33.5	E		20 35 31.5			
AAPN	I		20 34 33.5	E		20 35 32.0			
ATEJ	E		20 34 34.5	E		20 35 34.5			
APHE	E	*	20 34 39.0	E		20 35 41.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TIO	I		20 34 39.5		*	20 35 40.8			130
AFC	E		20 34 40.0	E		20 35 44.5			
EBAN	E		20 34 40.0	E		20 35 44.5	0.01	0.2	
EZAM	E		20 34 42.1	E		20 35 48.2	0.01	0.3	101
GUD	I		20 34 52.0	E		20 36 06.5			

27-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	203313.1	36 10	-10 53	30	0.7	3.5		ATLANTICO

MAL	I		02 37 00.8	I		02 37 7.3				
ATEJ	I		02 37 03.2	E	*	02 37 10.5				
ALOJ	I		02 37 05.5							
APHE	I		02 37 06.0	E	*	02 37 14.7				
AAPN	I		02 37 07.5	E		02 37 18.0				
ASMO	I		02 37 09.8	E		02 37 21.5				
AFC	I		02 37 10.0	E		02 37 24.0	0.01	0.2		50
EHOR	E		02 37 14.3	E		02 37 30.6				50
EBAN	E		02 37 18.0	E		02 37 37.3	0.01	0.2		49
EVAL	E		02 37 23.0	E		02 37 46.2	0.01	0.2		

28-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	023652.0	36 36	-04 33	60	0.5	2.9		BENALMADENA.MA

ALM	I		03 26 32.5	I		03 26 38.7				38
ENIJ	I		03 26 36.4	E		03 26 45.0	0.05	0.2		70
APHE	I		03 26 38.5	E		03 26 48.5				
AFC	I		03 26 41.3	E		03 26 52.7	0.01	0.2		52
ATEJ	I		03 26 41.4	E	*	03 26 52.5				
ALOJ	I		03 26 44.5	E		03 26 58.0				
ASMO	I	*	03 26 45.0							
AAPN	E	*	03 26 48.7							
EBAN	E	=	03 26 58.1	E	=	03 27 20.0				
EVIA	E	=	03 27 02.7	E	=	03 27 28.2	0.03	0.6		

28-MAR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	032623.7	36 32	-02 51	19	0.5	2.8		ALBORAN

LIS	E	*	12 47 45.0			12 48 36.0				
MTH	E		12 47 55.0			12 48 37.3				
MOE	I		12 48 00.8							
FIG	E		12 48 05.5	I		12 48 55.0				
PTO	E		12 48 16.6	I		12 49 14.6				
EVAL	E		12 48 17.1	E		12 49 14.8	0.02	0.3		120
MTE	E		12 48 19.0	I		12 49 21.5				
EZAM	E		12 48 26.5	E		12 49 31.5	0.01	0.2		107

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	AVE	I	*	12 48 27.0	I	*	12 49 34.0			140
	MVO	I		12 48 28.6	I		12 49 38.2			
	EHOR	E		12 48 33.0	E		12 49 45.0	0.02	0.4	133
	IFR	I	*	12 48 47.0	I	*	12 50 07.5			150
	TIO	I	*	12 48 51.5	I	*	12 50 12.0			150
	GUD	E		12 48 53.5	E		12 50 20.0			

	HO	LAT	LONG	PRO	RMS	MAG	INT	
30-MAR	---	---	---	---	---	---	---	
SSIS	124657.7	37 19	-13 38	35	0.7	3.6		ATLANTICO

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	MADF	I		03 07 30.4	E		03 07 36.5			
	ATE	I		03 07 30.8	E		03 07 36.7			
	EPF			03 07 40.0			03 07 51.2			
	VIH			03 07 48.2			03 08 07.9			
	ECRI	I	=	03 07 54.5	I	=	03 08 15.4			40
	LGR	E	*	03 07 56.5	I	*	03 08 09.0			55
	AVN		*	03 07 57.8						
	RJF			03 08 03.4			03 08 32.8	0.02	0.3	
	CAF			03 08 03.8			03 08 33.0	0.01	0.3	

	HO	LAT	LONG	PRO	RMS	MAG	INT	
01-ABR	---	---	---	---	---	---	---	
SSIS	030724.2	43 29	-00 40	5	0.4	3.2	IV	ARTHEZ.FR

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	EALH	I		19 55 04.5	E		19 55 10.6	0.04	0.3	71
	ACU	E		19 55 09.4	E		19 55 18.8	0.02	0.3	50
	EVIA	I		19 55 17.4	E		19 55 32.5	0.06	0.3	98
	ECHE	E		19 55 21.3	E		19 55 39.3	0.01	0.3	

	HO	LAT	LONG	PRO	RMS	MAG	INT	
01-ABR	---	---	---	---	---	---	---	
SSIS	195456.8	38 03	-01 04	37	0.1	2.7		SANTOMERA.MU

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	MADF	I		06 13 17.7	E		06 13 19.2			
	ONF	I		06 13 19.6	E		06 13 22.6			
	EPF			06 13 32.5			06 13 45.8	0.01	0.2	
	VIH		*	06 13 39.2			06 13 59.0			
	ECRI	E		06 13 41.2	E		06 13 59.5	0.05	0.2	42
	AVN			06 13 47.8			06 14 10.7			
	CAF			06 13 59.2			06 14 32.4			

	HO	LAT	LONG	PRO	RMS	MAG	INT	
06-ABR	---	---	---	---	---	---	---	
SSIS	061316.3	43 14	-00 53	5	0.4	3.0		MAULEON-LICHARRE.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EALH	I		05 19 56.6	E		05 19 59.6	0.23	0.3	85
ENIJ	I	=	05 20 08.1	E	=	05 20 20.7	0.05	0.2	65
ACU	I		05 20 14.5						50
EVIA	E		05 20 16.2	I		05 20 33.6	0.11	0.3	95
AFC	E		05 20 23.3	E		05 20 45.2	0.02	0.4	70
EBAN	I		05 20 25.0	E		05 20 49.2	0.01	0.2	60
ASMO	I		05 20 25.0	E	*	05 20 50.5			
APHE	I		05 20 26.0						
AAPN	I		05 20 28.5	E	*	05 20 59.2			
ALOJ	I	*	05 20 32.0						
ATEJ	E	*	05 20 32.0						
GUD	E	=	05 21 04.7	E	=	05 21 46.7	0.01	0.2	78

07-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	051953.6	37 41	-01 26	6	0.3	3.1		MAZARRON.MU

AAPN	I		16 40 51.9	E	*	16 40 57.3			
ALOJ	I		16 40 54.9	I	*	16 41 02.3			
ASMO	I		16 40 56.0	I	*	16 41 05.0			
EBAN	I		16 40 56.2						168
ATEJ	I		16 40 58.5	I	*	16 41 08.2			
EPRU	I		16 40 59.0	E		16 41 11.4	0.12	0.2	150
AFC	I		16 40 59.3	E		16 41 13.0	0.12	0.2	135
MAL	I		16 40 59.5	I		16 41 14.3	1.58	0.4	110
APHE	I		16 41 00.6	E	*	16 41 12.4			
CRT	E		16 41 00.2						
ALJ	I	*	16 41 09.5						
EVAL	I		16 41 10.2	E		16 41 33.0	0.09	0.2	165
SRQ	I	*	16 41 12.0						
EVIA	I		16 41 13.0	E		16 41 36.0			230
MOMI	I	*	16 41 14.0						
PAB	I	=	16 41 16.0	I	=	16 41 39.5			
ENIJ	E	=	16 41 16.3	E	=	16 41 41.5	0.04	0.3	110
OJEN	E	*	16 41 17.0						
ALM	E	=	16 41 17.1	I	=	16 41 41.9			90
PLAT	E	*	16 41 18.0						
TOL	E	*	16 41 21.5				0.14	0.8	140
EALH	E		16 41 22.5	E		16 41 52.5	0.05	0.4	110
EPLA	E		16 41 22.7	E		16 41 55.0	0.15	0.3	155
FIG	E		16 41 24.0						
GUD	E		16 41 28.0	E		16 42 01.8	0.05	0.4	220
MOE	E		16 41 29.5	I	*	16 42 03.5			
ACU	I		16 41 33.9	E		16 42 13.7			115
ECHE	E		16 41 34.4	E		16 42 13.3	0.05	0.4	125
MTE	E		16 41 35.3	I	*	16 42 14.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MVO	E	=	16 41 39.4	I	=	16 42 23.8			
PTO	I	*	16 41 58.1	I	*	16 42 39.4			

07-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	164041.7	37 44	-04 36	5	0.4	3.6	III	SANTA CRUZ.CO

ENIJ	I		16 58 31.0	I		16 58 35.7	0.17	0.3	70
ALM	E		16 58 33.1	I		16 58 39.7			48
EALH	E		16 58 41.2	E		16 58 54.3	0.06	0.6	57
AFC	E		16 58 43.3				0.02	0.5	53
EVIA	E		16 58 50.0	E		16 59 09.0	0.08	0.4	94
EBAN	E		16 58 51.8	E		16 59 11.5	0.03	0.4	42
TOL	E	*	16 59 29.0	I	*	17 00 00.5			

07-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	165825.0	37 04	-02 08	39	0.3	2.9		SORBAS.AL

ALOJ	I		23 33 49.7	E		23 33 53.5			
AAPN	I		23 33 50.5	E		23 33 54.0			
ASMO	I		23 33 50.9	E		23 33 55.2			
ATEJ	I		23 33 51.5	E		23 33 56.0			
APHE	I		23 33 51.5	E		23 33 57.2			
CRT	I		23 33 51.7						
AFC	I		23 33 51.8	I		23 33 57.4	0.06	0.2	40
MAL	I		23 33 55.6	I		23 34 04.7	0.16	0.4	33
EBAN	I		23 34 00.6	E		23 34 13.2	0.03	0.2	64
EPRU	E		23 34 02.8	E		23 34 16.3	0.01	0.2	45
ENIJ	E		23 34 08.0	E		23 34 24.8	0.01	0.3	45

07-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	233344.8	37 12	-03 57	27	0.3	2.7		HUETOR-TAJAR.GR

LGR	E		12 36 01.5	I	*	12 36 16.5			70
ECRI	I		12 36 04.0	E		12 36 17.8	0.03	0.2	52
AVN			12 36 16.5			12 36 39.7			
EROQ	E		12 36 16.6	E		12 36 39.0	0.01	0.2	45
VIH			12 36 19.2			12 36 44.5			

09-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	123545.7	41 44	-01 49	16	0.2	3.0		BERATON.SO

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		19 47 37.6	I		19 47 48.3	0.45	0.3	36
ATEJ	I		19 47 40.3	E		19 47 52.5			
SRQ	E		19 47 40.5	E		19 47 54.0			
EPRU	I		19 47 41.8	E		19 47 54.8	0.02	0.2	38
ALOJ	I		19 47 42.0	E		19 47 55.2			
APHE	I		19 47 42.0	E		19 47 56.0			
ALJ	I		19 47 42.0	E		19 47 57.0			
AAPN	I		19 47 44.0	E	*	19 47 59.2			
ASMO	I		19 47 46.0	E		19 48 02.7			
AFC	I		19 47 46.0				0.01	0.2	40
OJEN	E	*	19 47 50.5	E	*	19 47 58.0			
EBAN	I		19 47 54.0	E		19 48 16.3	0.05	0.2	55
PLAT	E	*	19 47 55.0						
EVAL	I		19 47 56.4	E		19 48 21.2	0.03	0.2	42
IFR	I	*	19 48 04.0	I	*	19 48 35.0			
EVIA	E		19 48 05.5	E		19 48 37.5	0.03	0.2	
MOE	E		19 48 18.0	I	*	19 48 57.0			

10-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	194723.9	36 27	-04 35	100	0.6	3.0		S.FUENGIROLA

EPF	I		20 38 22.0	E		20 38 23.8			
JAU	E		20 38 26.1	E		20 38 31.9			
VIH			20 38 30.0			20 38 38.5			
ATE			20 38 30.6	E		20 38 39.8			
MLS			20 38 32.0			20 38 41.0			
AVN			20 38 42.0			20 38 58.2			
LPO			20 38 49.7						
LFF			20 38 51.8						
OLT		*	20 38 54.0						
FONT		*	20 38 55.5						
ECRI	E	=	20 38 56.7	E	=	20 39 22.0	0.01	0.2	
EROQ	E	=	20 39 01.0	E	=	20 39 28.0	0.01	0.2	
LGR	E	*	20 39 05.0	I	*	20 39 21.5			55

13-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	203819.3	43 02	00 10	5	0.2	3.6	IV	BAGNERES-BIGORRE.FR

ECRI	I		12 38 44.8	I		12 38 52.5	0.07	0.2	84
LGR	I		12 38 45.0	I	*	12 38 55.5			95
EPF			12 39 00.9		*	12 39 23.8			
AVN			12 39 07.0						
VIH		*	12 39 07.0			12 39 28.7			
GUD	E		12 39 17.0	E		12 39 49.0	0.01	0.3	106
LFF			12 39 18.4						
LPO			12 39 18.8		*	12 39 56.2			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EROQ	E	=	12 39 21.6	E	=	12 39 51.5	0.01	0.4	128
RJF			12 39 26.6		*	12 40 08.8			
EVIA	E		12 39 36.4				0.02	0.6	123
TOL	E	*	12 39 37.0	I	*	12 40 20.5			110

18-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	123834.4	42 46	-01 48	15	0.4	3.0		PAMPLONA.NA

LGR	E	*	22 51 14.5	I		22 51 30.5			75
ECRI	E		22 51 20.0	E		22 51 27.0	0.02	0.2	45
EPF			22 51 37.8			22 52 00.0	0.01	0.3	
VIH		*	22 51 44.4						
AVN			22 51 45.5		*	22 52 15.5			
RJF			22 52 03.2		*	22 52 44.8			
CAF			22 52 03.8			22 52 45.4			
LSF		*	22 52 11.9			22 53 01.4			

18-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	225109.9	42 52	-01 50	5	0.4	2.7		PAMPLONA.NA

EALH	I		10 11 29.0	E		10 11 31.8	0.06	0.2	55
ACU	E		10 11 42.8	E		10 11 55.8			
EVIA	E		10 11 47.0	E		10 12 02.4	0.03	0.2	75
ENIJ	E		10 11 49.0						45
EBAN	E		10 11 59.0						45

19-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	101126.7	37 59	-01 20	5	0.3	2.7		ALCANTARILLA.MU

MAL	E		10 56 56.0	I	*	10 57 16.3	0.41	0.4	110
ATEJ	I	=	10 56 57.0	I	=	10 57 15.5			
APHE	I	=	10 56 57.2	E	=	10 57 15.0			
SRQ	E	*	10 56 58.0						
ALOJ	I		10 57 00.5	E		10 57 21.5			
OJEN	E		10 57 01.0						
ENIJ	E	=	10 57 02.0	E	=	10 57 25.0			100
AFC	E		10 57 03.0	E		10 57 25.0			95
ASMO	I		10 57 04.5	E		10 57 26.7			
AAPN	I		10 57 05.0	E		10 57 27.0			
MOMI	E	*	10 57 05.0						
PLAT	E	*	10 57 06.0						
ALJ	E	*	10 57 07.0						
PINR	E	*	10 57 07.0						
CNIL	E		10 57 07.0						
EPRU	E	=	10 57 07.0	E	=	10 57 30.6	0.02	0.6	100

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EHOR	E		10 57 15.5						
EBAN	E		10 57 17.0	E		10 57 48.0	0.02	0.3	85
EVAL	E		10 57 22.8	E		10 58 00.3			
EVIA	E		10 57 26.0				0.03	0.5	
TOL	E		10 57 40.0	I	*	10 58 45.0			140

19-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	105634.5	35 36	-03 49	5	0.7	3.2		ALBORAN

OLT			12 05 08.4								
MLS			12 05 10.5			12 05 19.2					
VIH			12 05 11.1			12 05 20.9					
FONT			12 05 14.0								
AVN			12 05 15.6			12 05 29.4					
EPF			12 05 18.8		*	12 05 33.2	0.01	0.2			
EBR	E	*	12 05 28.0								
EROQ	E	=	12 05 33.0	E	=	12 05 57.7	0.02	0.3			
CAF			12 05 37.3				0.01	0.2			

19-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	120457.6	42 30	01 46	5	0.4	3.0		PORTE.FR

CRT	I		13 36 35.6	E		13 36 36.5					
AFC	I		13 36 36.0	E		13 36 38.0	0.13	0.2	55		
APHE	I		13 36 37.2	E		13 36 40.0					
ASMO	I		13 36 38.2	E		13 36 42.5					
ALOJ	I		13 36 40.2	E		13 36 46.7					
ATEJ	I		13 36 40.5	E		13 36 46.5					
AAPN	I		13 36 42.5	E		13 36 48.5					
MAL	E		13 36 48.0	I		13 36 58.0	0.31	0.3	36		
ENIJ	E		13 36 54.7								
EBAN	E		13 36 53.2	E		13 37 07.0	0.02	0.2	37		
EVIA	E	=	13 37 06.0	E	=	13 37 28.5	0.02	0.5	85		

19-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	133633.9	37 07	-03 36	5	0.3	2.8		ARMILLA.GR

EHOR	I	22 11 12.6	E	22 11 19.8	0.04	0.2	60		
AAPN	I	22 11 13.5	I	22 11 22.0					
ALOJ	I	22 11 17.0	E	22 11 27.5					
ASMO	I	22 11 17.8	E	22 11 28.0					
ATEJ	I	22 11 20.5	E	22 11 33.5					
APHE	E	22 11 22.5	E	22 11 37.0					
EBAN	I	22 11 17.4	E	22 11 28.0	0.04	0.2	60		
AFC	I	22 11 21.3	E	22 11 34.3	0.01	0.2	58		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPRU	I	=	22 11 21.8	E	=	22 11 34.5	0.01	0.2	42
EVAL	I	=	22 11 34.2	E	=	22 11 56.0			50
EVIA	E		22 11 34.6	E		22 11 58.1	0.04	0.6	90

19-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	221103.3	37 44	-04 36	6	0.2	2.8		SANTA CRUZ.CO

OLT			10 33 27.8			10 33 32.2			
FONT			10 33 33.0						
MLS		*	10 33 40.8			10 33 53.2			
VIH			10 33 40.8			10 33 55.2			
AVN			10 33 42.6			10 33 59.1			
EPF		*	10 33 49.0		*	10 34 09.8	0.01	0.2	
EROQ	E	=	10 33 58.3	E	=	10 34 24.0	0.01	0.2	58

20-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	103321.0	42 26	02 15	14	0.3	2.8		PIRINEOS

STS	E		07 04 18.0	E		07 04 33.6	0.03	0.2	85
EZAM	E		07 04 24.5	E		07 04 44.5	0.02	0.2	60
MVO	I	*	07 04 26.8	I	*	07 04 49.0			
MTE	E		07 04 42.5	I		07 05 15.0			
EPLA	E		07 04 48.5	E		07 05 24.3	0.02	0.3	
GUD	E		07 04 50.5	E		07 05 28.0	0.01	0.3	

21-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	070358.8	43 12	-07 07	13	0.4	3.1		FONSAGRADA.LU

ALOJ	I		19 35 45.2	E		19 35 50.0			
MAL	I		19 35 46.0	I	*	19 35 52.0	1.03	0.3	50
AAPN	I		19 35 46.5	E		19 35 51.7			
ATEJ	I		19 35 46.5	E		19 35 52.0			
APHE	I		19 35 50.2	E		19 35 58.5			
ASMO	I		19 35 50.7	E		19 35 59.5			
EPRU	E		19 35 51.2	E		19 35 58.8	0.04	0.3	55
AFC	E		19 35 53.4	E		19 36 04.1	0.03	0.2	63
EHOR	I	=	19 35 55.3	E	=	19 36 08.3	0.05	0.2	66
SRQ	E		19 35 58.0						
EBAN	E		19 36 00.0	E		19 36 16.0	0.03	0.2	60
OJEN	E	*	19 36 04.0						
MOMI	E	*	19 36 05.0						
EVAL	E	=	19 36 12.3	E	=	19 36 35.5			60

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVIA	E	=	19 36 18.8	E	=	19 36 45.4	0.02	0.4	70
TOL	E	*	19 36 35.0	E	*	19 37 05.0			50

21-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	193539.1	37 03	-04 28	18	0.4	3.1		ANTEQUERA.MA

FONT		11 16 44.0						
OLT		11 16 48.9			11 16 53.9			
AVN		11 17 03.3			11 17 20.5			
VIH	=	11 17 07.5		=	11 17 27.7			
MLS	=	11 17 09.3		=	11 17 28.8			
EROQ	E	11 17 13.1	E		11 17 36.0			

22-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	111642.6	41 48	02 21	5	0.5			BRULL.B

ACU	E	00 47 20.9	E		00 47 24.1	0.07	0.2	60
ECHE	I	00 47 33.3	E		00 47 46.8	0.03	0.2	65
EVIA	I	00 47 41.3	E		00 48 00.1	0.03	0.3	110
EBAN	E	00 47 55.5	E		00 48 26.0			65
PAB	E	00 48 02.0						85

23-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	004716.1	38 40	-00 34	18	0.3	2.9		ALCOY.A

SET	I	*	06 23 34.7	I	*	06 23 36.5			
ABA	I	=	06 22 36.0	I	=	06 23 01.0			
ACU	I		06 23 24.0	E		06 24 19.5	0.02	0.5	
EROQ	E		06 23 34.2	E		06 24 37.6			
ECHE	I		06 23 36.2						
CVF			06 23 44.5			06 24 55.3			
EVIA	E		06 23 46.7				0.02	0.5	
LMR			06 23 48.3			06 25 00.7			
FRF			06 23 51.2			06 25 06.8			
SBF			06 23 56.0			06 25 16.3			

24-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	062209.9	36 41	05 27	10	0.4	4.1		SETIF.ARG

ASMO	I	17 27 45.6	E		17 27 48.5			
AAPN	I	17 27 46.7	E		17 27 50.5			
AFC	I	17 27 47.7	E		17 27 53.7	0.07	0.2	32
ALOJ	I	17 27 48.2	E		17 27 53.7			
CRT	I	17 27 48.6						

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	APHE	I		17 27 50.2	E		17 27 57.0			
	ATEJ	I		17 27 50.5	I		17 27 58.0			
	EBAN	I		17 27 52.3	I		17 28 01.6	0.03	0.2	47
	MAL	E		17 27 55.3	I		17 28 07.3			
	EHOR	E		17 28 00.0	E		17 28 14.3	0.04	0.2	43
	EVIA	E		17 28 04.4	E		17 28 22.5	0.02	0.2	55

24-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
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SSIS	172739.9	37 28	-03 51	27	0.7	3.0		FRAILES.J

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	ACU	I		13 02 36.5	E		13 02 42.2	0.04	0.2	40
	EALH	I		13 02 42.5	E		13 02 51.9			35
	ECHE	E		13 02 50.2	E		13 03 05.5	0.01	0.3	36
	EVIA	E		13 02 51.9	E		13 03 08.8	0.03	0.4	60

28-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
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SSIS	130229.4	38 26	-00 54	9	0.1	2.7		MONOVAR.A

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	ACU	I		13 06 19.5	I		13 06 25.2	0.07	0.2	51
	EALH	E		13 06 25.5	I		13 06 34.7	0.03	0.3	65
	ECHE	E		13 06 33.2	E		13 06 49.0	0.03	0.3	60
	EVIA	E		13 06 34.9	E		13 06 51.5	0.06	0.4	95
	EROQ	E		13 06 53.3	E		13 07 24.0			
	AAPN	I		13 06 56.7						
	TOL	E		13 06 57.0						90
	PAB	E		13 06 57.0						90
	ASMO	E	*	13 06 58.0	E	*	13 07 31.0			
	ALOJ	E	*	13 06 58.5						
	APHE	E	*	13 07 00.0						
	ATEJ	E	*	13 07 00.0						

28-ABR	HO	LAT	LONG	PRO	RMS	MAG	INT	
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SSIS	130612.4	38 26	-00 54	9	0.3	3.0		MONOVAR.A

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	EJIM	I		14 55 11.8	E		14 55 17.0	0.05	0.3	45
	SRQ	I		14 55 12.0						
	ALJ	E		14 55 14.5						
	MOMI	E		14 55 16.0						
	OJEN	E		14 55 16.0						
	EPRU	E		14 55 15.5	E		14 55 24.0	0.04	0.4	60
	GIBL	E	*	14 55 30.0						

04-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
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SSIS	145506.0	36 27	-05 07	23	0.4	2.5		ESTEPONA.MA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
FIG	I		17 54 33.8	I		17 54 45.3			
EVAL	I		17 54 46.2	E		17 55 07.2	0.08	0.2	80
MOE	I		17 54 52.2	I		17 55 17.0			
EPRU	I		17 54 57.7	E		17 55 25.5	0.01	0.2	60
MTH	I		17 54 59.0	I	*	17 55 30.5			
EHOR	E		17 55 01.3	E		17 55 32.3	0.01	0.2	75
ALOJ	I		17 55 10.0	E	*	17 55 46.5			
AAPN	E		17 55 10.0	E		17 55 48.5			
ATEJ	I		17 55 10.2	E	*	17 55 41.2			
APHE	I		17 55 14.2	E	*	17 55 51.0			
ASMO	I	*	17 55 16.0						
AFC	E		17 55 16.4				0.01	0.2	63
EBAN	E		17 55 17.2	E		17 56 01.3	0.02	0.2	74
MTE	E	=	17 55 17.5	I	=	17 56 03.0			
EPLA	E		17 55 19.0	E		17 56 04.0	0.02	0.2	90
MVO	I	=	17 55 28.7	I	=	17 56 22.2			
GUD	E		17 55 36.4	E		17 56 34.6	0.01	0.2	125

08-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	175418.9	36 21	-08 15	26	0.4	3.4		GOLFO DE CADIZ

ALM	I		01 28 07.1	I		01 28 11.8			
ENIJ	I		01 28 08.3	E		01 28 13.2			70
APHE	I	*	01 28 22.0	E		01 28 39.5			
AFC	E		01 28 23.8	E		01 28 39.3	0.01	0.2	45
ATEJ	I	=	01 28 24.7	E	=	01 28 43.7			
ASMO	E		01 28 26.7						
EALH	E		01 28 27.5	E		01 28 44.6			40
ALOJ	I		01 28 28.5						
AAPN	I		01 28 30.5						
EVIA	E		01 28 36.0	E		01 29 00.5	0.02	0.3	71

09-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	012802.3	36 38	-02 16	7	0.5	2.8		S.CABO DE GATA

ENIJ	I		23 21 08.9	E		23 21 14.0	0.08	0.2	40
EALH	E		23 21 16.4	E		23 21 27.0	0.01	0.3	30
AFC	E		23 21 22.4						40
APHE	I		23 21 25.5						
ASMO	I		23 21 26.0	E	*	23 21 47.0			
EVIA	E		23 21 26.3	I		23 21 44.0	0.04	0.2	57
EBAN	I		23 21 29.6	E		23 21 50.6	0.02	0.2	40
ATEJ	I		23 21 30.0	E	*	23 21 58.0			
AAPN	I	*	23 21 31.2	E	*	23 21 55.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALOJ	I	*	23 21 32.0	E	*	23 21 57.0			
TOL	E	*	23 21 52.0	E	*	23 22 33.0			75

09-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	232102.6	37 16	-02 02	16	0.4	3.0	SIERRA LISBONA.AL

BOH			19 34 17.5	E		19 34 24.5			
ELYF	I		19 34 18.1	E		19 34 25.7			
MADF			19 34 20.0	E		19 34 29.0			
ECRI	E		19 34 24.3	E		19 34 35.3	0.03	0.2	48
EPF			19 34 34.2		*	19 34 57.0			
AVN		*	19 34 46.0		*	19 35 15.3			
EROQ	E	=	19 34 58.7	E	=	19 35 29.8	0.01	0.3	
OLT			19 34 59.0						
CAF			19 35 00.9		*	19 35 42.4	0.01	0.3	

11-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	193410.0	43 00	-01 36	6	0.5	3.0	LANZ.NA

AFC	I		04 42 15.7	E		04 42 18.2	0.07	0.2	28
CRT	I		04 42 17.0	E		04 42 20.0			
ASMO	I		04 42 18.4	E		04 42 23.2			
APHE	I		04 42 20.9	E		04 42 27.7			
AAPN	E		04 42 23.5						
ALOJ	I		04 42 24.5						
ATEJ	I		04 42 24.7	E	*	04 42 35.0			
EBAN	I		04 42 31.0	I		04 42 44.2	0.01	0.2	21
EVIA	E		04 42 40.5	E		04 43 00.0	0.01	0.2	36

12-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	044213.8	37 17	-03 24	6	0.4	2.5	TOCON.GR

ERUA	I		04 56 49.0	E		04 56 54.0	0.14	0.2	66
MVO	I		04 56 57.2	I		04 57 08.5			
EZAM	I		04 57 02.0	E		04 57 16.6			
STS	E		04 57 05.4	E		04 57 22.7	0.01	0.2	28
MTE	E	*	04 57 13.5	I	*	04 57 32.5			
EPLA	E		04 57 17.0	E		04 57 43.6	0.02	0.2	60
GUD	E	=	04 57 32.8	E	=	04 58 05.2	0.01	0.2	76

14-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	045641.6	42 00	-07 15	5	0.3	3.0	A GUDIÑA.OR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ENIJ	I		15 11 36.6	E		15 11 40.7	0.07	0.2	46
EALH	E		15 11 48.6	E		15 12 01.6			28
AFC	E		15 11 49.0						32
APHE	I		15 11 51.2						
ASMO	E		15 11 52.0	E	*	15 12 13.0			
EVIA	I		15 11 56.2	I		15 12 15.5	0.04	0.3	56
ATEJ	E		15 11 57.0						
ALOJ	E	*	15 11 59.0						
AAPN	E	*	15 11 59.4	E	*	15 12 22.5			

15-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	151131.3	37 15	-02 20	5	0.3	3.0		SIERRA FILABRES.AL

ECHE	E		02 06 50.5	E		02 07 02.8	0.01	0.2	29
EROQ	I		02 06 55.0	E		02 07 11.0	0.02	0.2	39
AVN			02 07 05.9						
GUD	E	=	02 07 11.8	I	=	02 07 37.0	0.01	0.3	49
PAB	E		02 07 11.0						65
TOL	E	=	02 07 13.0	E	=	02 07 39.0			60
EPF			02 07 14.2		*	02 07 54.2	0.01	0.3	
VIH		=	02 07 19.8		=	02 07 49.0			

16-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	020632.9	40 33	-01 19	25	0.5	2.8		VILLARQUEMADO.TE

ERUA	E		05 00 29.8	E		05 00 36.5	0.04	0.2	34
STS	E		05 00 32.7	I		05 00 41.2	0.03	0.2	23
EZAM	E		05 00 37.5	I		05 00 50.3	0.02	0.2	25
MVO	E		05 00 48.8	I		05 01 10.0			

16-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	050020.4	42 43	-07 41	5	0.2	2.9		TABOADA.LU

EPRU	I		18 51 38.1				0.28	0.5	95
ALJ	I		18 51 44.0	I	*	18 51 55.0			
EJIM	E		18 51 45.2	E		18 51 53.0	0.12	0.5	75
GIBL	I	*	18 51 45.5	I	*	18 51 56.3			
SRQ	I		18 51 49.0	I	*	18 52 02.0			
MOMI	I		18 51 50.0	I	*	18 52 03.0			
OJEN	E	*	18 51 53.0	I	*	18 52 07.5			
EHOR	E		18 51 53.7	E		18 52 06.3	0.05	0.5	90
PLAT	E	*	18 51 55.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CNIL	E	*	18 51 56.0						
EVAL	E		18 52 00.6	E		18 52 19.5	0.02	0.5	65

18-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	185136.8	36 54	-05 13	8	0.4	2.9		OLVERA.CA

MTE	I	=	23 15 46.0	I	=	23 15 49.2			
PTO	I		23 16 00.8	I		23 16 13.0			
MVO	I		23 16 01.0	I		23 16 14.3			
EPLA	I		23 16 08.6	I		23 16 26.7	0.05	0.2	90
MTH	E		23 16 17.0	I		23 16 40.0			
MOE	E		23 16 17.4	I	*	23 16 40.4			
ERUA	E		23 16 18.0	E		23 16 42.4	0.02	0.3	65
GUD	E	=	23 16 37.7	I	=	23 17 10.5	0.01	0.3	97

18-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	231544.6	40 28	-07 48	5	0.4	2.9		GOUVEIA.PORT

FIG	I		03 24 46.5	I		03 24 54.4			
EVAL	I		03 24 48.1	E		03 24 58.0	0.14	0.2	90
EHOR	E		03 25 02.0	E		03 25 22.6	0.03	0.2	100
MOE	I		03 25 03.7	I		03 25 25.5			
AAPN	E	*	03 25 12.5						
MTH	E		03 25 13.5	E		03 25 42.5			
ATEJ	E	*	03 25 14.0						
ALOJ	E	*	03 25 14.2						
APHE	E	*	03 25 19.2						
ASMO	E	*	03 25 21.0						
EPLA	E		03 25 22.7	E		03 25 58.5	0.02	0.2	100
MTE	E		03 25 25.0	I		03 26 03.2			
IFR	I		03 25 29.5	I		03 26 09.0			
EVIA	E		03 25 33.6	E		03 26 18.3	0.04	0.2	115
MVO	I		03 25 35.5	I		03 26 21.0			
GUD	I		03 25 38.8	E		03 26 26.8			115
ERUA	E		03 25 53.0	E		03 26 52.0			80
TIO	I		03 26 00.0	I		03 27 02.5			

19-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	032433.8	36 53	-07 08	50	0.7	3.4		GOLFO DE CADIZ

ERUA	I		09 29 17.9	E		09 29 25.2	0.04	0.2	60
EZAM	I		09 29 20.7	E		09 29 31.0	0.03	0.2	51

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
STS	E		09 29 26.3	E		09 29 38.5	0.03	0.2	40
MVO	E		09 29 27.3	I		09 29 41.5			

19-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	092908.1	42 07	-07 44	18	0.3	2.9	SANDIAS.OR

OLT			15 50 29.2			15 50 33.0			
MLS			15 50 41.0			15 50 55.0			
VIH			15 50 42.6		*	15 50 56.9			
AVN			15 50 45.8			15 51 02.8			
EPF			15 50 50.2						
EROQ	I	=	15 51 01.5	I	=	15 51 28.0	0.04	0.2	68
LRG			15 51 12.9			15 51 49.8			
ECRI	E	=	15 51 20.3	I	=	15 52 01.8			70
SBF			15 51 25.1		*	15 52 09.8			
GUD	I		15 51 40.0	E		15 52 37.6			100

22-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	155022.8	42 26	02 16	5	0.3	3.3	PIRINEOS

CRT	E	*	20 06 31.0						
ATEJ	I		20 06 32.0	E	*	20 06 36.0			
ALOJ	I		20 06 33.0	E	*	20 06 37.0			
APHE	I		20 06 33.4	E	*	20 06 37.2			
MAL			20 06 33.5	I		20 06 40.3	0.68	0.3	27
AAPN	I		20 06 34.4	E		20 06 41.2			
ASMO	I		20 06 36.1	E	*	20 06 41.0			
AFC	I		20 06 36.4	I		20 06 46.0	0.03	0.2	37
EPRU	E	=	20 06 41.3	E	=	20 06 53.7			45
EHOR	E		20 06 45.0	E		20 07 00.5	0.02	0.2	46
ENIJ	E		20 06 48.2						30
EVAL	E		20 06 57.5	E		20 07 22.0			
MOE	E		20 07 18.4		*	20 07 57.5			
MVO	I		20 07 32.8	I	*	20 08 09.2			

22-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	200623.7	36 55	-04 09	59	0.4	3.0	PERIANA.MA

ERUA	I		09 15 53.7	I		09 16 02.3	0.07	0.2	53
EZAM	I		09 15 54.4	I		09 16 03.3	0.06	0 2	26
STS	I		09 16 01.4	E		09 16 14.0	0.03	0.2	53

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTE	E	*	09 16 11.0			09 16 28.5			
GUD	E		09 16 28.8	E		09 17 04.3	0.01	0.3	75

23-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	091542.1	42 00	-07 49	17	0.3	3.1	A LIMIA.OR

ERUA	I		18 54 44.5	I		18 54 49.2	0.06	0.2	68
MVO	I		18 54 59.4	I		18 55 16.2			
STS	E		18 55 05.6	I		18 55 23.7	0.01	0.3	36
EZAM	E	=	18 55 06.2	E	=	18 55 25.2	0.02	0.2	27
EPLA	E	=	18 55 22.4	E	=	18 55 51.0			50
GUD	I	=	18 55 25.1	E	=	18 55 57.0			60

25-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	185439.3	42 18	-06 46	5	0.6	2.9	SERRA DO EIXE.OR

ESCF	I		16 33 01.5	E		16 33 4.1			
ATE	I		16 33 03.1	E		16 33 6.6			
MADF	I		16 33 04.9	E		16 33 10.3			
EPF			16 33 08.1						
VIH			16 33 16.0		*	16 33 27.7			
AVN			16 33 25.8			16 33 45.5			
ECRI	I	=	16 33 29.3	I	=	16 33 51.0	0.07	0.2	135
LPO			16 33 30.0						
LGR	I	=	16 33 31.0	I	=	16 33 52.5			150
CAF			16 33 37.8						
EROQ	I		16 33 38.6	I		16 34 07.7	0.07	0.2	130
OLT		*	16 33 38.8		*	16 34 09.0			
EBR	E	*	16 33 42.0	E	*	16 34 10.5			
ECHE	E		16 33 55.4	E		16 34 36.7	0.03	0.4	100
GUD	I		16 33 57.5	I		16 34 41.2	0.01	0.4	145
PAB	E		16 34 09.0	E		16 35 02.0			160
EVIA	E		16 34 11.4	E		16 35 05.4	0.03	0.6	163

26-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	163258.4	43 11	-00 22	5	0.5	3.8	IV-V PAU.FR

AFC	I		05 44 53.0	E		05 44 58.3	0.06	0.2	51
MAL	I		05 44 55.7	I		05 45 02.3			27
EBAN	I		05 45 07.9	E		05 45 23.6	0.02	0.2	56
EPRU	E	=	05 45 09.3	E	=	05 45 24.0			45

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EHOR	E		05 45 11.0	E		05 45 29.0	0.01	0.3	56
ENIJ	E		05 45 12.0	E		05 45 30.0			42

27-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	054446.7	37 01	-03 54	5	0.3	2.9		AGRON.GR

ERUA	I		08 03 49.5	I		08 03 56.4	0.09	0.2	125
STS	I		08 03 52.4	I		08 04 01.3	0.05	0.2	120
EZAM	I		08 03 57.4	I		08 04 10.0	0.05	0.2	85
MVO	E		08 04 08.5	I		08 04 29.5			
PTO	E	*	08 04 11.7	E		08 04 32.3			
MTE	E	=	08 04 23.5	E	=	08 04 51.0			
MOE	E	=	08 04 24.0	I	=	08 05 12.0			
EPLA	E		08 04 26.0	E		08 05 01.0	0.01	0.3	100
GUD	E		08 04 32.8	E		08 05 11.8	0.02	0.4	125

30-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	080340.3	42 42	-07 41	5	0.2	3.2	IV	TABOADA.LU

AFC	I		16 09 15.4						65
CRT	I		16 09 15.4	E		16 09 17.2			
ASMO	I		16 09 15.6	E		16 09 18.2			
APHE	I		16 09 18.5	E		16 09 23.0			
ALOJ	I		16 09 19.5	E		16 09 24.0			
AAPN	I		16 09 20.0	E		16 09 25.5			
ATEJ	I		16 09 20.7	E		16 09 25.0			
EBAN	E		16 09 32.0	E		16 09 45.0	0.03	0.2	55
ENIJ	E		16 09 35.5	E		16 09 51.5	0.01	0.3	60
EHOR	E		16 09 38.8	E		16 09 57.0	0.01	0.3	60
EVIA	E		16 09 43.4	E		16 10 05.0	0.06	0.5	95
TOL	E		16 09 58.0						70

31-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	160913.7	37 12	-03 42	5	0.6	2.9		SANTA FE.GR

OJEN	I		23 20 36.0	E	*	23 20 41.0			
PLAT	I		23 20 39.0	E	*	23 20 43.0			
SRQ	I		23 20 39.0	I	*	23 20 43.0			
IFR	I		23 20 40.5	I	*	23 21 03.0			
MOMI	I		23 20 41.0	E	*	23 20 44.0			
CNIL	E		23 20 42.0	E	*	23 20 50.0			
EJIM	E		23 20 42.0	E		23 21 02.5	0.04	0.3	
ALJ	E	*	23 20 43.5	E	*	23 20 50.0			
GIBL	E		23 20 47.5	E	*	23 20 50.0			
ATEJ	I	*	23 20 47.7	E	*	23 21 09.5			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
APHE	I	*	23 20 49.0	E	*	23 21 15.5			
EPRU	E		23 20 49.0	E		23 21 14.0	0.05	0.8	
PINR	E	*	23 20 50.0	E	*	23 20 54.0			
ALOJ	E		23 20 51.7	E		23 21 21.0			
AAPN	E		23 20 56.2						
AFC	E		23 20 57.2	E	*	23 21 23.0			
ASMO	E		23 20 58.0						
EHOR	E		23 21 00.3						
ENIJ	E		23 21 03.6						

31-MAY	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	232014.8	34 56	-05 07	5	0.6	3.2		CHECHAOUEN.MAC

MAL	E		02 07 45.0	I		02 07 56.0	0.13	0.4	24
ATEJ	I		02 07 47.4	I		02 07 59.5			
EJIM	E		02 07 48.3	E		02 08 01.2	0.02	0.3	25
APHE	I		02 07 49.5	E		02 08 04.0			
EPRU	I		02 07 49.9						25
ALOJ	I		02 07 50.0	E	*	02 08 03.5			
AAPN	I		02 07 52.0	E		02 08 04.5			
AFC	E		02 07 53.2						
ASMO	E		02 07 53.7	E	*	02 08 11.0			
EHOR	I		02 07 57.4	E		02 08 17.3			45
EBAN	I		02 08 01.7	I		02 08 24.7	0.03	0.2	55

01-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	020732.2	36 24	-04 32	90	0.5	2.6		S.FUENGIROLA

ENIJ	I		09 33 52.7	I		09 33 56.9	0.05	0.2	50
AFC	E		09 34 02.3						
APHE	E		09 34 03.2	E	*	09 34 15.0			
ASMO	E		09 34 06.0						
ALOJ	E	*	09 34 08.5						
ATEJ	E		09 34 09.1	E		09 34 25.2			
AAPN	E		09 34 12.0						
EBAN	I		09 34 15.5	I		09 34 36.0	0.01	0.3	35
EVIA	E		09 34 18.0	E		09 34 39.8	0.01	0.3	50

01-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	093347.8	36 55	-02 34	5	0.6	2.7		ALHAMA DE ALMERIA.AL

OLT		01 22 58.9		01 23 02.7		
VIH	=	01 23 15.0	=	01 23 30.0		
MLS		01 23 16.6		01 23 30.8		
AVN		01 23 16.8		01 23 33.6		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF			01 23 23.3						
EROQ	E	=	01 23 32.0	E	=	01 23 57.0	0.03	0.2	60
EBR	E	=	01 23 32.5	E	=	01 23 57.0			
LRG			01 23 44.2			01 24 21.4			
LMR			01 23 44.7			01 24 22.8			

03-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	012255.6	42 17	02 19	12	0.5	3.1		CAMPRODON.GE

MOE	I		03 28 47.0							
COI	I	=	03 28 52.7		=	03 29 13.3				
LIS	I		03 28 58.9			03 29 11.1				
MTH	I		03 29 00.4							
EVAL	I		03 29 06.6							400
FIG	I		03 29 08.0		*	03 29 24.5				
FAR			03 29 09.5		*	03 29 25.0				
MTE	E		03 29 12.6	I		03 29 38.0				
EPLA	I		03 29 17.4	E		03 29 43.0				380
EHOR	I		03 29 19.0	E		03 29 46.7				395
GIBL	I		03 29 20.5	I		03 29 48.0				
PINR	I		03 29 22.7							
PTO	I	=	03 29 22.8		=	03 29 53.9				
MVO	I	*	03 29 23.5		*	03 29 54.0				
EPRU	E		03 29 25.2							
CNIL	I		03 29 25.5	I		03 29 56.0				
ALJ	I	*	03 29 26.0	I		03 29 56.0				
MOMI	I		03 29 28.0			03 30 02.0				
EJIM	E		03 29 28.7	E		03 30 03.0	0.53	0.6	340	
PAB	I		03 29 30.0	I	*	03 30 06.5				
SRQ	I		03 29 31.0							
PLAT	I	*	03 29 31.5	I	*	03 30 03.0				
EBAN	I		03 29 33.3	I		03 30 12.1				265
AAPN	I		03 29 33.6	E	*	03 29 56.0				
TOL	I		03 29 34.5	I		03 30 13.5	1.33	0.6	380	
ALOJ	I		03 29 35.0							
OJEN	I	*	03 29 35.2		*	03 30 10.0				
MAL	I	=	03 29 36.3	I	=	03 30 15.6	2.41	0.7	248	
ASMO	I		03 29 36.6	E	*	03 29 56.2				
ATEJ	I		03 29 37.0	E	*	03 30 08.0				
GUD	I		03 29 37.9	I		03 30 19.3				370
EZAM	I		03 29 38.3	I		03 30 19.1	0.17	0.3	310	
AFC	E		03 29 39.4	E		03 30 22.5	0.11	0.3	320	
CRT	E		03 29 40.0							
APHE	I		03 29 40.2	E	*	03 30 02.0				
ERUA	I		03 29 41.4	I		03 30 25.8	0.17	0.3	370	
EVIA	E		03 29 46.8	E		03 30 36.9				395
STS	I		03 29 47.9	I		03 30 37.3	0.19	0.5	295	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALM	E		03 29 54.3	E	*	03 31 12.6			
ENIJ	I		03 29 54.8	E	*	03 30 45.5	0.17	0.5	305
ECHE	E		03 30 05.1	E		03 31 06.7	0.57	0.8	320
LGR	I		03 30 07.7	I		03 31 11.8			325
ECRI	I		03 30 08.8	E		03 31 14.0	0.15	0.5	310
EROQ	E		03 30 22.0	E		03 31 39.2	0.09	0.5	

04-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	032842.6	38 33	-08 01	8	0.5	4.4	IV-V	EVORA.PORT

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MOE	I		03 38 24.6	I		03 38 28.2			
LIS	I		03 38 37.5	I		03 38 49.6			
MTH	I		03 38 38.5	I		03 38 53.0			
EVAL	I		03 38 45.0	I		03 39 02.8	0.08	0.2	115
FIG	I	=	03 38 47.0	I	=	03 39 05.8			
MTE	E		03 38 55.0	I		03 39 18.3			
EPLA	E		03 38 56.7	E		03 39 23.8	0.02	0.2	130
EHOR	E		03 38 58.0	E		03 39 26.7	0.05	0.2	110
MVO	E		03 39 06.0	I	*	03 39 45.0			
PTO	E	=	03 39 09.0	E	=	03 39 40.9			
EZAM	E		03 39 18.4						
GUD	E		03 39 18.5	E		03 40 00.9	0.02	0.4	130
ERUA	E		03 39 22.0	E		03 40 06.8			
TOL	E	*	03 39 24.0	I	*	03 40 06.0			110
IFR	I		03 39 41.0	I	*	03 40 40.0			
EVIA	E	=	03 39 48.7	E	=	03 40 37.5	0.09	0.7	130

04-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	033820.7	38 27	-08 03	5	0.5	3.5		EVORA.PORT

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ATEJ	I		01 13 45.6	I		01 13 48.0			
ALOJ	I		01 13 46.2	I		01 13 49.0			
MAL	I		01 13 49.6	I		01 13 54.8	2.95	0.4	44
APHE	I		01 13 49.9	I		01 13 55.7			
AAPN	I		01 13 49.9	I		01 13 55.0			
CRT	I		01 13 53.0	I		01 14 00.0			
ASMO	I		01 13 53.2	I		01 14 00.7			
AFC	I		01 13 54.6	E		01 14 02.4	0.04	0.2	90
EPRU	E	=	01 14 03.5	E	=	01 14 15.0	0.04	0.3	
EJIM	E		01 14 06.2	E		01 14 22.5	0.04	0.3	100
EHOR	I		01 14 07.0	E		01 14 23.2	0.05	0.2	90
EBAN	I		01 14 07.6	E		01 14 24.0	0.03	0.2	80
ENIJ	E	=	01 14 12.8	E	=	01 14 33.3			80

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVIA	E		01 14 19.9	E		01 14 46.3	0.07	0.5	120
TOL	E	*	01 14 37.0				0.04	0.8	100

05-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	011344.3	36 58	-04 08	5	0.5	3.1		ZAFARRAYA.GR

ACU	E		17 49 36.7	E		17 49 43.0			31
EALH	E		17 49 38.0						20
EVIA	I		17 49 52.9	I		17 50 11.4	0.02	0.4	45
ECHE	E		17 49 53.0	E		17 50 12.3			28

05-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	174927.8	38 10	-00 49	5	0.1	2.5		CATRAL.A

VIH			04 44 56.0			04 45 02.5			
AVN			04 45 02.7			04 45 14.9			
OLT			04 45 03.0			04 45 14.9			
EPF			04 45 04.0			04 45 15.7			
EROQ	E	=	04 45 21.0	E	=	04 45 46.0	0.01	0.2	60
EBR	E	=	04 45 21.5	E	=	04 45 46.0			
CAF			04 45 26.6				0.01	0.3	

12-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	044446.9	42 36	01 27	5	0.4	3.0		ANDORRA.AND

TAF	I		07 58 16.5						
TAF	I	*	07 58 19.0	I	*	07 58 35.0			
MAL	E	=	07 58 20.0	I	=	07 58 39.0	0.39	0.4	150
APHE	I	*	07 58 20.7	E	*	07 58 39.0			
ATEJ	I	=	07 58 20.7	E	=	07 58 40.7			
SRQ	I	*	07 58 23.0						
ALOJ	I		07 58 24.7	E		07 58 47.5			
EJIM	E		07 58 26.0				0.12	0.6	145
OJEN	E		07 58 26.0						
ENIJ	E		07 58 26.4	E		07 58 51.2	0.07	0.3	160
CRT	E		07 58 27.0						
AFC	E		07 58 27.4	E		07 58 49.5	0.06	0.6	145
ASMO	I		07 58 28.0						
AAPN	I		07 58 28.0						
ALM	E	*	07 58 28.0	I	*	07 58 44.4			120
ALJ	E		07 58 30.0						
PLAT	I	*	07 58 30.0						
MOMI	I	*	07 58 30.5						
EPRU	E		07 58 30.5	E		07 58 55.0	0.20	1.0	165
CNIL	I		07 58 32.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
IFR	I		07 58 33.0	I	*	07 59 07.5			
EHOR	E		07 58 39.5	E		07 59 11.0	0.03	0.6	160
EBAN	E		07 58 39.7	E		07 59 11.3	0.04	0.5	160
EVAL	E		07 58 46.7	E		07 59 24.7	0.03	0.6	145
EVIA	E	=	07 58 56.0	E	=	07 59 34.8	0.08	0.6	145
TOL	I		07 59 04.0	I	*	08 00 10.0			135
EPLA	E		07 59 11.8						150
GUD	E		07 59 14.3	E		08 00 11.8	0.01	0.6	155
TIO	I	=	07 59 19.0	I	=	08 00 18.0			

12-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	075756.6	35 24	-03 35	13	0.6	3.3		NE.CABO QUILATES

ENIJ	I		16 32 11.5	I		16 32 15.5	0.09	0.2	90
AFC	E		16 32 23.2						65
EALH	E		16 32 23.3	E		16 32 36.5	0.10	0.5	65
APHE	I		16 32 26.5						
ASMO	I		16 32 26.5	E	*	16 32 49.0			
ATEJ	I		16 32 30.0						
EVIA	I		16 32 30.7	I		16 32 49.5	0.09	0.4	100
ALOJ	I		16 32 32.0						
EBAN	I		16 32 32.5	E		16 32 52.0	0.02	0.4	45
AAPN	I	*	16 32 34.0	E	*	16 32 55.0			

12-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	163206.0	37 15	-02 20	5	0.4	3.1		SIERRA FILABRES.AL

EALH	I		10 36 06.9	E		10 36 15.8	0.05	0.2	75
ENIJ	E		10 36 11.2	E		10 36 23.5	0.02	0.2	90
ACU	E		10 36 16.6	E		10 36 33.3	0.01	0.2	50
EVIA	I		10 36 22.9	E		10 36 44.0	0.02	0.2	95
APHE	E	*	10 36 30.0						
ASMO	E	*	10 36 30.0						
AAPN	E	*	10 36 36.5						
ALOJ	E	*	10 36 38.0						
ATEJ	E	*	10 36 40.0						

16-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	103554.6	37 16	-01 04	25	0.1	2.9		S.CARTAGENA

EPRU	I		19 24 48.7	E		19 24 51.6	0.39	0.6	105
ALJ	E		19 24 53.5						
EJIM	I		19 24 56.7	I		19 25 04.0	0.19	0.6	75
GIBL	E		19 24 58.0						
SRQ	E		19 24 59.5						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MOMI	E		19 25 00.0						
MAL	E		19 25 01.0						
PINR	E	*	19 25 03.5						
PLAT	E		19 25 04.0						
EHOR	E		19 25 04.0	E		19 25 17.0	0.07	0.6	90
CNIL	E	*	19 25 05.0						
OJEN	E	*	19 25 07.0						
EVAL	E		19 25 11.0				0.03	0.6	80

16-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	192447.7	36 55	-05 17	8	0.4	2.9		OLVERA.CA

SRQ	E		02 15 22.0						
MAL	I	*	02 15 22.3						
OJEN	I		02 15 22.5						
EJIM	I		02 15 23.8	E		02 15 38.8	0.04	0.2	50
ATEJ	I	*	02 15 25.0	E	*	02 15 40.0			
ALJ	I		02 15 25.5						
CNIL	I		02 15 27.0						
APHE	I	*	02 15 27.5	E	*	02 15 43.0			
ALOJ	I		02 15 28.5	E		02 15 48.0			
GIBL	I		02 15 29.0						
PINR	I		02 15 29.0						
ACHM	I		02 15 29.2						
AAPN	I		02 15 31.5	E		02 15 50.0			
ASMO	I		02 15 33.4	E		02 15 54.5			
AFC	E		02 15 33.8	E		02 15 56.0			60
EHOR	I		02 15 36.5	E		02 16 01.4	0.02	0.2	65
IFR	I	*	02 15 38.5		*	02 16 04.0			
EVAL	I		02 15 41.1	E		02 16 08.8	0.03	0.2	51
EBAN	I		02 15 42.0	E		02 16 09.3	0.06	0.2	100
AVE	I	*	02 15 52.5		*	02 16 29.5			
MOE	E	*	02 16 05.0	I		02 16 45.0			
EPLA	I		02 16 08.0	E		02 16 54.2	0.01	0.2	85
TOL	E	*	02 16 11.0	E	*	02 16 50.0			85
GUD	E		02 16 14.8	E		02 17 05.0			90
TIO	I	*	02 16 19.9		*	02 17 16.1			

18-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	021504.5	35 57	-04 47	120	0.6	3.3		ESTCHO DE GIBRALTAR

ABA	I		14 28 42.0	E		14 28 50.0			
OFD	I	=	14 28 47.5	I	=	14 29 06.0			
ACU	E		14 29 27.3	E		14 30 10.6	0.02	0.4	80
EALH	E		14 29 33.0	E		14 30 21.3			105
ENIJ	E		14 29 38.9	E		14 30 30.3	0.01	0.4	110

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECHE	E		14 29 42.5	E		14 30 35.0			110
EROQ	E		14 29 46.4	E		14 30 42.3	0.01	0.3	110
EVIA	I		14 29 48.3	E		14 30 47.8	0.02	0.4	150
APHE	E	*	14 29 54.0						
ASMO	E	*	14 29 58.0						
OLT		*	14 29 58.2			14 31 01.7			
AVN			14 29 58.5			14 31 03.0			
ATEJ	E		14 29 59.0						
ACHM	E	*	14 30 00.0						
AAPN	E		14 30 00.7						
ALOJ	E	*	14 30 02.0						
TOL	E		14 30 11.0	E	*	14 31 40.0			
PAB	I		14 30 11.0						
LMR			14 30 17.1			14 31 38.2			
LRG			14 30 18.6			14 31 40.1	0.02	0.5	

18-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	142830.3	36 17	03 29	14	0.4	4.1		BIR RABALOU.ARG

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		20 52 12.8	I		20 52 22.7	0.42	0.4	30
ATEJ	I		20 52 15.5	E		20 52 27.5			
ALOJ	I		20 52 17.0						
APHE	I		20 52 17.6						
ACHM	I		20 52 18.7						
AAPN	I		20 52 19.2	E		20 52 33.7			
ASMO	I		20 52 21.2	E	*	20 52 36.0			
AFC	E		20 52 21.8	E		20 52 38.0	0.01	0.2	
EHOR	I		20 52 24.6	E		20 52 42.6	0.02	0.2	35
IFR	I		20 52 42.5	I		20 53 14.0			
TIO	I		20 53 24.0	I		20 54 26.5			

18-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	205159.4	36 21	-04 43	80	0.5	2.9		S.FUENGIROLA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTH	E		07 16 17.3	I		07 16 52.0			
MOE	I		07 16 17.6	I		07 16 51.5			
FIG	E	*	07 16 22.0	I		07 16 39.0			
EVAL	E	*	07 16 24.6	E		07 17 01.5	0.02	0.2	85
AVE	I		07 16 27.0	I		07 17 07.0			
EHOR	E		07 16 39.5	E		07 17 30.5			96
MTE	E		07 16 42.5	E	*	07 17 35.5			
IFR	I		07 16 45.0	I	*	07 17 38.0			
EPLA	E		07 16 49.5	E		07 17 48.0	0.01	0.2	96
MVO	E	*	07 16 53.5	E	*	07 17 56.0			
TIO	I		07 16 53.6	I		07 17 56.5			
EBAN	E		07 16 56.0	E		07 17 59.5	0.01	0.2	81

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AFC	E		07 16 56.2						86
EZAM	E		07 17 01.0	E		07 18 10.0	0.01	0.3	85
GUD	E		07 17 09.5	E		07 18 23.0	0.01	0.3	130

20-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	071530.3	35 59	-10 42	32	0.6	3.5		ATLANTICO

OFD	I		06 38 56.7	I		06 39 09.0			
ABA	I		06 38 57.5	I		06 39 05.5			
ACU	I		06 39 27.3	E		06 39 59.0	0.02	0.3	72
ENIJ	E		06 39 39.0	E		06 40 20.0			70
ECHE	I		06 39 43.2	E		06 40 26.0			70
EVIA	E		06 39 48.5	E		06 40 34.4	0.03	0.3	107
AFC	E	=	06 40 00.6	E	=	06 40 52.0			85
SET	I	*	06 40 13.0						
GUD	E		06 40 18.3	E		06 41 27.0			107

21-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	063844.4	36 39	02 13	14	0.8	4.0		N.ARGELIA

EPRU	I		16 11 15.2						36
EHOR	E		16 11 30.0	E		16 11 42.0	0.02	0.2	25
ALOJ	I		16 11 32.7						
AAPN	I		16 11 34.0						
ATEJ	I		16 11 34.5						
ACHM	E		16 11 37.5						
EVAL	E		16 11 37.9	E		16 11 55.5			27
ASMO	E		16 11 38.5						
APHE	I		16 11 39.0						
EBAN	E		16 11 44.7	E		16 12 06.0	0.01	0.2	35

21-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	161114.8	36 59	-05 20	5	0.4	2.7		OLVERA.CA

EPF			06 01 29.4						
ATE	E		06 01 32.8	E		06 01 40.0			
MADF	I		06 01 34.8	E		06 01 43.6			
MLS			06 01 40.0			06 01 51.7			
AVN			06 01 47.8			06 02 05.0			
ECRI	E	=	06 01 57.7	E	=	06 02 20.6	0.01	0.2	50
OLT		*	06 02 02.8		*	06 02 29.8			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBR	E	=	06 02 06.0	E	=	06 02 33.5			
EROQ	E	=	06 02 06.2	E	=	06 02 33.5			65

22-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	060124.6	43 01	-00 03	5	0.4	3.2		ARGELES-CAZOST.FR

EBAN	I		11 42 49.0						66
ASMO	E		11 43 02.0	E	*	11 43 12.0			
AAPN	I		11 43 03.0	E		11 43 14.5			
AFC	E		11 43 05.0	E		11 43 17.5	0.01	0.2	27
ALOJ	I		11 43 07.0						
ACHM	E		11 43 07.5	E	*	11 43 23.5			
EHOR	E		11 43 08.2	I		11 43 23.2	0.02	0.2	25
EVIA	E		11 43 08.8	I		11 43 24.0	0.02	0.2	36
APHE	E		11 43 09.5	E	*	11 43 24.5			
ATEJ	E		11 43 10.0	E		11 43 27.0			

22-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	114247.4	38 10	-03 52	7	0.4	2.8		BAÑOS DE LA ENCINA.J

EVIA	I		16 48 51.3	I		16 48 58.1	0.08	0.2	67
EBAN	I		16 49 04.3	I		16 49 21.0	0.05	0.2	60
ECHE	E	=	16 49 08.7	E	=	16 49 26.2	0.02	0.2	33
GUD	I	=	16 49 16.0	E	=	16 49 39.0	0.02	0.2	55
EPLA	E	=	16 49 32.8	E	=	16 50 05.3			50

22-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	164842.1	39 07	-02 39	17	0.1	3.1		VILLARROBLEDO.AB

ATE	I	=	17 13 45.1	E	=	17 13 49.0			
MADF	I	*	17 13 47.2						
EPF			17 13 50.7		*	17 13 58.7			
VIH			17 13 57.8			17 14 10.5			
AVN			17 14 07.3						
ECRI	I		17 14 11.8	I		17 14 33.0	0.12	0.2	125
LGR	I	*	17 14 13.0	I		17 14 33.5			130
LPO			17 14 14.2				0.24	0.3	
LFF			17 14 15.0						
CAF			17 14 21.7				0.06	0.2	
OLT		*	17 14 21.8		*	17 14 54.0			
EBR	E	*	17 14 22.5	E	*	17 14 52.5			
FONT		*	17 14 23.2		*	17 14 57.4			
EROQ	E	=	17 14 24.0	E	=	17 14 52.5	0.06	0.2	135
GUD	I		17 14 39.8	I		17 15 22.3	0.01	0.3	135
TOL	E		17 14 46.5	I		17 15 34.0			130

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECHE	E	=	17 14 48.0	E	=	17 15 28.5	0.03	0.4	120
PAB	I		17 14 52.0	I		17 15 44.0			140
EVIA	E		17 14 53.2	E		17 15 46.0			150
ERUA	E		17 14 58.1	E		17 15 55.2			
EPLA	E		17 15 00.5	I		17 15 59.4			130

26-JUN	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	171342.1	43 04	-00 17	7	0.4	3.9	IV	LOURDES.FR

EPRU	I		21 48 07.1						135
MAL	I		21 48 17.3	I	*	21 48 20.6	1.90	0.6	94
ALJ	I	*	21 48 18.0	I	*	21 48 24.0			
EJIM	I		21 48 18.6	E		21 48 27.0	0.19	0.2	115
GIBL	I		21 48 19.0	I		21 48 27.0			
EHOR	E		21 48 20.1	E		21 48 30.0	0.14	0.2	145
SRQ	E		21 48 21.0	E	*	21 48 29.0			
AAPN	I		21 48 21.3	I		21 48 36.0			
ATEJ	I		21 48 22.0	E	*	21 48 39.5			
ALOJ	I		21 48 22.7	I	*	21 48 37.7			
ACHM	I		21 48 25.0						
CNIL	I		21 48 25.0	I		21 48 35.0			
PINR	E	*	21 48 26.0	E		21 48 37.0			
OJEN	E	*	21 48 26.0	E		21 48 37.0			
APHE	I		21 48 26.5	E	*	21 48 46.5			
PLAT	E	*	21 48 27.0						
ASMO	I		21 48 27.2	E		21 48 45.0			
EVAL	I		21 48 29.6	E		21 48 47.5	0.13	0.2	130
AFC	E		21 48 30.0	E		21 48 47.8	0.05	0.3	115
EBAN	E		21 48 32.5	E		21 48 52.8	0.09	0.3	130
FIG	E		21 48 39.5	I		21 49 06.0			
FAR	E		21 48 43.0		*	21 49 15.0			
ALM	E	*	21 48 46.4	E	*	21 48 32.5			
EVIA	E		21 48 48.0	E		21 49 19.0	0.11	0.6	160
MOE	I		21 48 51.0	I		21 49 25.0			
EPLA	E		21 48 53.4	E		21 49 29.6	0.04	0.3	155
TOL	E	*	21 48 56.0	I	*	21 49 39.5	0.10	0.8	140
PAB	E	=	21 48 57.0	I	=	21 49 27.0			150
MTH	E		21 49 01.0	I		21 49 44.5			
GUD	E		21 49 02.6	E		21 49 45.0	0.02	0.4	165
MVO	E		21 49 09.6			21 49 59.1			

01-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	214805.9	37 03	-05 12	8	0.9	3.6	V	VILLANUEVA D S.JUAN.SE

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EROQ	I		04 32 44.9						135
EBR	E		04 32 46.0	E		04 33 02.0			
ECHE	E		04 32 50.7	E		04 33 07.3	0.08	0.2	140
AVN			04 32 53.0			04 33 14.9			
ECRI	E		04 32 58.7	E		04 33 24.0	0.09	0.2	135
LGR	I	*	04 33 01.7	I	*	04 33 23.0			
VIH		=	04 33 03.7		=	04 33 29.8			
EPF			04 33 03.8						
GUD	I		04 33 05.5	E		04 33 33.7	0.01	0.2	
TOL	E		04 33 06.5				0.07	0.5	95
EVIA	E		04 33 07.3	E		04 33 39.0	0.08	0.6	130
PAB	I		04 33 11.0	E	*	04 33 40.5			110
OLT			04 33 11.1						
EBAN	I		04 33 19.2	E		04 33 59.5	0.01	0.2	115
EPLA	I		04 33 26.3	E		04 34 12.0			125
LPO			04 33 26.6		*	04 34 11.4	0.01	0.2	
LFF			04 33 29.2		*	04 34 14.0	0.01	0.3	
MVO	I		04 33 32.8	I		04 34 24.8			
CAF			04 33 33.7		*	04 34 23.9	0.01	0.3	
ERUA	E		04 33 38.0	E		04 34 33.0			135
MOE	I	*	04 33 55.0	I	*	04 35 02.0			

06-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	043225.3	40 57	-01 01	5	0.6	3.4		SIERRA DE CUCALON.TE

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
STS	I		18 32 50.9	E		18 32 53.8			95
EZAM	E		18 33 03.7	E		18 33 16.5	0.03	0.2	65
ERUA	E		18 33 07.3	E		18 33 22.5	0.03	0.3	75

06-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	183246.9	43 03	-08 23	8	0.1	2.9		ORDES.C

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ENIJ	E	=	09 28 09.7	E	=	09 28 28.0	0.05	0.2	210
ALM	E	=	09 28 11.6	I	=	09 28 32.0			130
EALH	E		09 28 16.5	E		09 28 39.0	0.03	0.2	210
ACU	E		09 28 24.7	E		09 28 53.0			210
APHE	E		09 28 25.0						
AFC	E		09 28 25.9	E		09 28 56.4	0.03	0.6	195
ACHM	E		09 28 27.5						
ASMO	E		09 28 29.5	E	*	09 29 03.5			
ATEJ	E		09 28 29.5						
ALOJ	E		09 28 31.5						
EVIA	E		09 28 32.0	E		09 29 06.0	0.04	0.5	233

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AAPN	I	*	09 28 33.5						
EBAN	E		09 28 35.6	E		09 29 12.3	0.02	0.4	210

08-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	092746.0	36 07	-00 45	5	0.5	3.3	RENAULT.ARG

EALH	E		01 40 36.0	E		01 40 41.0	0.04	0.3	43
EVIA	E		01 40 46.0	I		01 40 58.3	0.04	0.2	63
ENIJ	E		01 40 52.8	E		01 41 09.3			35
AFC	E		01 41 00.3	E		01 41 22.7			44
ASMO	E		01 41 02.0	E		01 41 26.0			
AAPN	E		01 41 05.0	E	*	01 41 35.0			
APHE	E	*	01 41 06.2						
ALOJ	E	*	01 41 08.0						

09-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	014029.6	38 11	-01 29	14	0.4	2.8	CIEZA.MU

AAPN	I		21 07 05.7	E		21 07 10.0			
ALOJ	I		21 07 09.5	E		21 07 17.0			
ASMO	I		21 07 09.5						
ACHM	I		21 07 12.0						
AFC	E		21 07 12.8	E		21 07 21.0	0.01	0.2	58
ATEJ	I		21 07 13.7	E	*	21 07 24.0			
EBAN	E		21 07 14.2	E		21 07 23.7	0.01	0.1	35
APHE	I		21 07 14.5						
EHOR	I		21 07 16.6	E		21 07 27.8	0.03	0.2	50
EPRU	E	=	21 07 22.0	E	=	21 07 35.3			54
MAL	I	*	21 07 29.0						
TOL	E	*	21 07 51.0	E	*	21 08 14.0			50

09-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	210701.2	37 33	-04 14	9	0.3	2.7	LUQUE.CO

GIBL	I		11 41 27.0	I		11 41 28.5			
ALJ	I		11 41 28.0	I	*	11 41 29.5			
PINR	I		11 41 29.0	I		11 41 31.5			
CNIL	I		11 41 30.0	I		11 41 34.5			
EJIM	E		11 41 30.8	E		11 41 36.5	0.22	0.1	142
MOMI	I		11 41 31.0	I	*	11 41 34.5			
EPRU	I		11 41 34.5	E		11 41 44.0	0.16	0.3	160
PLAT	I		11 41 35.0	I	*	11 41 40.0			
SRQ	I		11 41 36.0	I		11 41 43.0			
OJEN	I		11 41 37.0	I		11 41 45.0			
EVAL	I		11 41 45.6	E		11 42 01.5	0.10	0.2	142

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		11 41 46.7	I	*	11 42 04.3	0.99	0.8	87
EHOR	I		11 41 47.0	E		11 42 04.0	0.14	0.2	154
ALOJ	I		11 41 50.0	E	*	11 42 13.0			
ATEJ	I		11 41 50.7	E	*	11 42 14.5			
AAPN	I		11 41 50.7	E	*	11 42 15.6			
ACHM	E		11 41 53.2	E	*	11 42 18.5			
FIG	E	*	11 41 54.0	I	*	11 42 18.0			
APHE	I		11 41 54.6						
ASMO	I		11 41 55.0	E	*	11 42 22.5			
AFC	E		11 41 56.7	E		11 42 21.5	0.02	0.3	156
EBAN	E		11 42 00.5	E		11 42 28.6	0.03	0.2	140
MOE	E	*	11 42 14.0	I	*	11 42 50.0			
EVIA	E		11 42 14.8	E		11 42 55.0	0.05	0.4	150
EPLA	E		11 42 16.7	E		11 42 56.0	0.03	0.4	172
PAB	E	*	11 42 23.0	E	*	11 42 54.0			110
GUD	E		11 42 27.2	E		11 43 15.5	0.04	0.5	187
MTH	E	*	11 42 28.0	I	*	11 43 12.0			
TOL	E	=	11 42 32.0	I	=	11 43 14.0	0.05	0.8	115
MTE	E	*	11 42 37.5	E	*	11 43 27.0			
MVO	E	*	11 42 39.0	E	*	11 43 45.0			

11-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	114124.1	36 40	-05 53	5	0.6	3.5		ARCOS D LA FRONTERA.CA

VIH			15 46 06.5			15 46 08.7			
AVN			15 46 14.4		*	15 46 27.6			
EPF			15 46 15.0			15 46 24.7			
MRB			15 46 23.6			15 46 37.5			
OLT			15 46 24.1			15 46 40.0			
EROQ	E	=	15 46 34.3	E	=	15 46 57.1	0.01	0.2	45
LPO		=	15 46 42.5		=	15 47 09.6	0.01	0.3	
LFF		*	15 46 47.9		*	15 47 18.9	0.01	0.3	
CAF			15 46 43.1			15 47 12.9			

17-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	154602.6	42 31	00 58	6	0.4	2.9		AIGUES TORTES.L

MAL	I	13 07 12.6	I	13 07 20.8	
ATEJ	I	13 07 15.1	E	13 07 24.0	
ALOJ	I	13 07 15.5			
ACHM	I	13 07 17.5			
AAPN	I	13 07 17.5	E	13 07 27.0	
APHE	I	13 07 17.5	E	13 07 28.0	
ASMO	I	13 07 20.0	E	13 07 33.0	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AFC	E		13 07 20.7	E		13 07 34.0			34
EBAN	I		13 07 27.8	I		13 07 46.5	0.03	0.1	60

19-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	130703.2	36 44	-04 34	67	0.4	2.8		W. MALAGA.MA

PLAT	I		11 57 45.5	I	*	11 57 55.0			
OJEN	I		11 57 46.0						
SRQ	I		11 57 48.0						
MOMI	I		11 57 48.0	I		11 58 03.5			
CNIL	I		11 57 49.0						
EJIM	I		11 57 50.4	E		11 58 07.0	0.17	0.1	150
PINR	I		11 57 50.5	E	*	11 58 08.5			
IFR	I	*	11 57 52.0		*	11 58 11.5			
GIBL	I		11 57 54.0	I		11 58 14.0			
EPRU	I		11 57 57.5	E		11 58 19.0	0.07	0.2	220
MAL	I		11 57 57.5	I		11 58 21.0			115
AVE	I	*	11 57 59.0		*	11 58 23.5			
FAR	I	=	11 58 00.5	I	=	11 58 28.0			
ATEJ	I	*	11 58 01.2	E	*	11 58 24.5			
FIG	I	=	11 58 02.7	I	=	11 58 31.0			
APHE	I	*	11 58 04.0	E	*	11 58 26.0			
EVAL	I		11 58 04.8	E		11 58 33.0	0.10	0.2	219
ALOJ	I		11 58 05.3	E	*	11 58 24.5			
ACHM	I		11 58 06.0	E	*	11 58 33.5			
AAPN	I		11 58 07.2	E	*	11 58 32.0			
ASMO	I		11 58 10.2	E		11 58 40.2			
AFC	E		11 58 10.5	E		11 58 41.5	0.06	0.2	165
ENIJ	E	=	11 58 17.6	E	=	11 58 56.5	0.03	0.2	141
EBAN	I		11 58 17.8	E		11 58 56.0			157
MOE	I	*	11 58 19.5	I		11 59 06.0			
TIO	I	*	11 58 27.8		*	11 59 14.0			
LIS	I		11 58 31.0			11 59 18.6			
MTH	I		11 58 33.0	I		11 59 23.0			
EALH	E		11 58 33.0	E		11 59 21.0			133
PAB	I		11 58 33.0	I		11 59 20.5			155
EPLA	E		11 58 37.5	E		11 59 30.0	0.04	0.2	
TOL	I		11 58 37.5	I		11 59 31.0	0.08	0.8	125
MTE	I	=	11 58 41.3	I	=	11 59 39.0			
GUD	I		11 58 48.0	E		11 59 48.0	0.01	0.2	227
MVO	I		11 58 52.3	I		11 59 57.3			
ECHE	E		11 58 51.5				0.03	0.3	
PTO	E		11 58 56.8						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ERUA	I		11 59 10.4	E		12 00 27.9			
EZAM	E		11 59 10.7						

23-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	115727.8	35 18	-05 55	100	0.5	3.9		NE. LARACHE.MAC

ABA	I		08 10 06.0	I		08 10 16.8			
OFD	I	=	08 10 12.8	I	=	08 10 31.8			
ACU	E		08 10 52.0	E		08 11 36.0	0.09	0.6	223
EALH	E		08 10 58.0	E		08 11 46.0			206
ENIJ	E		08 11 02.5	E		08 11 55.0	0.02	0.3	190
ECHE	E		08 11 07.0	E		08 11 59.5	0.03	0.4	218
EROQ	E		08 11 10.9	E		08 12 09.0	0.05	0.6	187
MRB			08 11 16.3						
AFC	E		08 11 18.0	E		08 12 22.0	0.03	0.6	205
APHE	I		08 11 18.7						
ASMO	I		08 11 22.0						
ACHM	E	*	08 11 23.0						
ATEJ	E		08 11 23.5						
AVN			08 11 23.5						
EBAN	E		08 11 23.5	E		08 12 32.0			175
ALOJ	I		08 11 25.0						
AAPN	I		08 11 25.5						
OLT		*	08 11 26.6						
VIH			08 11 33.4						
EPF			08 11 40.4				0.01	0.4	
GUD	E		08 11 42.3	E		08 13 04.0	0.01	0.5	182
CVF			08 11 45.2			08 13 07.0	0.02	0.4	
ECRI	E		08 11 50.0						151

24-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	080954.1	36 12	03 28	10	0.6	4.5		MASQUERAY.ARG

VIH			14 42 53.4			14 42 59.8			
MLS			14 42 55.9						
AVN			14 42 56.2			14 43 06.5			
MRB			14 43 00.4			14 43 11.9			
OLT			14 43 01.0			14 43 14.0			
EPF			14 43 02.2			14 43 15.2			
FBR			14 43 05.2						
EBR	E		14 43 14.5	E		14 43 37.0			
EROQ	E		14 43 15.0	E		14 43 36.0	0.02	0.2	60

26-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	144244.8	42 23	01 20	5	0.6	3.0		VALL DE CASTELLBO.L

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
VIH			15 29 56.9			15 30 03.7			
MLS			15 29 58.9						
AVN			15 29 59.7			15 30 10.0			
MRB			15 30 05.0		*	15 30 19.5			
OLT			15 30 05.0		*	15 30 20.0			
EPF			15 30 05.8			15 30 18.8			
EBR	E		15 30 18.0	E	*	15 30 41.0			
EROQ	E		15 30 18.5	E		15 30 40.0	0.02	0.2	52
CAF			15 30 31.8			15 31 02.6	0.01	0.3	

26-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	152948.8	42 23	01 17	5	0.5	3.0		VALL DE CASTELLBO.L

EZAM	E		00 08 25.0	E		00 09 24.5	0.07	0.2	
PTO	I		00 08 26.3						
STS	E		00 08 27.4	E		00 09 28.6	0.03	0.2	181
MTH	I		00 08 30.0	I		00 09 35.0			
COI	I		00 08 31.0	I		00 09 36.4			
LIS	I		00 08 32.9	I		00 09 40.2			
MTE	I	=	00 08 36.2	I	=	00 09 48.0			
MOE	I	=	00 08 39.0	I	=	00 09 52.0			
MVO	I	=	00 08 40.0	I	=	00 09 52.0			
ERUA	E		00 08 41.2	E		00 09 52.0	0.04	0.2	168
EPLA	I		00 08 55.4	E		00 10 18.0	0.03	0.2	190
FIG	I		00 08 57.0	I		00 10 23.0			
EVAL	E		00 09 03.0	E		00 10 32.0	0.02	0.3	173
GUD	E		00 09 13.0	E		00 10 50.5	0.02	0.2	222
EHOR	E		00 09 15.2	E		00 10 53.4	0.02	0.3	185
GIBL	E		00 09 17.0						
TOL	I		00 09 17.5	E	*	00 10 59.0			155
PINR	E		00 09 18.5						
CNIL	E		00 09 20.0						
ALJ	E		00 09 22.0						
EPRU	I		00 09 22.3	E		00 11 06.6			193
PLAT	E		00 09 25.0						
EJIM	E		00 09 25.5						
EBAN	I		00 09 27.0	E		00 11 15.0	0.02	0.2	178
SRQ	E		00 09 27.0						
OJEN	E		00 09 27.5						
AAPN	E		00 09 29.0						
ECRI	I		00 09 29.5	E		00 11 16.2			150
ALOJ	I		00 09 30.5						
ASMO	I		00 09 33.2						
ATEJ	I		00 09 34.0						
ACHM	E		00 09 34.0						
APHE	E		00 09 35.7						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AFC	E		00 09 35.8						181
AVE	E	=	00 09 36.0		=	00 11 31.0			
EVIA	E		00 09 37.6	E		00 11 33.0	0.03	0.3	278
ECHE	E		00 09 49.5	E		00 11 55.5			181
ENIJ	E		00 09 50.0						177
EROQ	E		00 10 00.5	E		00 12 12.5			165
TIO	I	=	00 10 04.8		=	00 12 21.4			

27-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	000704.9	41 42	-15 48	5	0.7	4.3		ATLANTICO

ERUA	I		19 19 35.0	E		19 19 46.0	0.05	0.2	65
MVO	I		19 19 44.7	I		19 20 03.7			
EZAM	E		19 19 52.8	E		19 20 17.8	0.02	0.2	45
STS	E	=	19 19 54.3	E	=	19 20 18.6	0.03	0.2	65
MTE	E	=	19 19 59.0	I	=	19 20 27.5			
GUD	I		19 19 55.4	E		19 20 22.5	0.02	0.2	90
EPLA	I		19 19 57.3				0.02	0.2	80
ECRI	I		19 20 01.0	I		19 20 31.3	0.05	0.2	80
LGR	I	=	19 20 07.4	I	=	19 20 39.0			95
TOL	I	*	19 20 14.5	E	*	19 20 53.5	0.05	0.4	100
MOE	E	*	19 20 19.2		*	19 21 10.0			
EROQ	E		19 20 34.8	E		19 21 31.0			110

28-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	191919.2	42 23	-05 59	5	0.3	3.3	III-IV	RIEGO DE LA VEGA.LE

ENIJ	E		07 49 11.8						180
ALM	E		07 49 14.1	E		07 49 18.1			
EALH	I		07 49 24.2	E		07 49 38.2			170
AFC	I		07 49 24.4	E		07 49 38.5			180
CRT			07 49 25.3						
APHE	E		07 49 26.5	E	*	07 49 35.5			
ASMO	I		07 49 27.5	E	*	07 49 41.0			
ACHM	I		07 49 28.8	E		07 49 44.5			
ATEJ	I		07 49 31.4	E		07 49 49.5			
ALOJ	I		07 49 32.0	E		07 49 52.0			
EVIA	I		07 49 32.8	E		07 49 51.0			270
AAPN	I		07 49 32.9	E	*	07 49 47.5			
EBAN	I		07 49 34.0	E		07 49 53.0			200
MAL	I		07 49 36.8	I		07 50 00.2	1.94	0.6	156
ACU	E		07 49 39.6	E		07 50 05.3	0.13	0.6	150
EHOR	E		07 49 46.2	0		07 50 15.6	0.21	0.3	190
SRQ	E	*	07 49 50.5						
EJIM	E	=	07 49 55.0	E	=	07 50 26.8			190
OJEN	E	*	07 49 55.5						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECHE	E	=	07 49 55.6	E	=	07 50 27.0	0.18	0.5	200
TOL	E	*	07 49 58.0	E		07 50 29.5	0.76	0.9	250
ALJ	E	*	07 49 58.5						
MOMI	E	*	07 49 59.0						
PLAT	E	*	07 50 00.0						
CNIL	E	*	07 50 00.0						
GIBL	E	*	07 50 03.0						
FIG	E	*	07 50 03.5	E		07 51 03.5			
GUD	E		07 50 04.5	E		07 50 46.3	0.06	0.2	240
EPLA	E		07 50 09.0	E		07 50 56.3	0.12	0.4	190
PINR	E	*	07 50 09.0						
MTE	E	*	07 50 21.0	I	*	07 51 17.0			
MOE	I		07 50 21.7	I		07 51 15.8			
MVO	E		07 50 27.0		*	07 51 25.2			
ECRI	E		07 50 28.5	E		07 51 27.0	0.12	0.7	230
LGR	E	*	07 50 29.0	E		07 51 24.0			230
COI	E		07 50 30.7						
MTH	I		07 50 31.8	I		07 51 34.2			

29-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	074907.0	37 13	-02 20	5	0.5	4.2	V	SIERRA DE FILABRES.AL

ATE	I		21 43 41.1	I		21 43 42.9			
ESCF	I		21 43 41.7	I		21 43 44.2			
MADF	I		21 43 41.8	I		21 43 44.2			
EPF			21 43 53.2			21 44 03.1	0.02	0.3	
VIH			21 44 01.0			21 44 15.9			
ECRI	E		21 44 05.3	E		21 44 24.4	0.06	0.2	45
LGR	E		21 44 06.3	I		21 44 27.0			70
AVN			21 44 08.0						
EBR	E	*	21 44 17.0	E	*	21 44 56.0			
OLT		*	21 44 21.9						
MRB		*	21 44 22.8		*	21 44 54.5			
EROQ	E	=	21 44 23.4	E	=	21 44 53.4	0.01	0.2	

29-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	214339.4	43 12	-00 39	5	0.4	3.3	III-IV	OLORON-STE.MARIE.FF

ENIJ	I		22 00 16.8	E		22 00 19.5	0.16	0.1	53
AFC	E		22 00 34.0	E		22 00 48.2			31
APHE	I		22 00 34.4	E		22 00 49.0			
ACHM	I		22 00 37.5						
ASMO	E	*	22 00 38.2						
ATEJ	E		22 00 38.5						
ALOJ	E		22 00 40.5						
AAPN	E	*	22 00 42.5						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBAN	E	=	22 00 48.3	E	=	22 01 11.0			33
EVIA	E	=	22 00 48.3	E	=	22 01 10.5			46

30-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	220014.6	36 52	-02 19	5	0.4	2.7		E. ALMERIA.AL

SET	I	02 24 39.0	I	*	02 25 08.0			
CVF		02 25 39.4			02 26 45.7	0.01	0.4	
ACU	I	02 25 47.4	E		02 27 03.4			
OLT		02 25 48.5						
LMR		02 25 48.8			02 27 04.2	0.03	0.3	
LRG		02 25 50.8			02 27 08.4	0.56	0.6	
FRF		02 25 51.2			02 27 08.1	0.01	0.3	
EBR	E	02 25 52.0						
EROQ	I	02 25 52.8						
EALH	E	02 25 56.0						
ECHE	I	02 25 58.6						
AVN		02 26 00.0						
ENIJ	E	02 26 02.2						
VIH		02 26 06.1						
EVIA	I	02 26 10.0	E		02 27 42.5	0.21	1.0	
AFC	I	02 26 19.0						
APHE	I	02 26 20.2						
ASMO	I	02 26 22.1						
ACHM	E	02 26 22.4						
ATEJ	E	02 26 23.0						
ALOJ	E	02 26 25.2						
AAPN	E	02 26 26.0						
ECRI	I	02 26 32.8						
GUD	I	02 26 35.5						

31-JUL	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	022407.1	36 27	07 49	8	0.7	4.2		SOUK AHRAS.ARG

ASMO	I	00 55 18.7	E		00 55 25.0				
EBAN	I	00 55 19.2	E		00 55 25.3	0.06	0.1		52
AAPN	I	00 55 20.0							
AFC	E	00 55 22.0	E		00 55 29.0				25
ALOJ	I	00 55 22.7	E		00 55 32.0				
ACHM	E	00 55 23.0							
APHE	I	00 55 25.2	E		00 55 37.0				
ATEJ	E	00 55 27.0	E	*	00 55 39.5				
EHOR	E	00 55 30.4	E		00 55 44.0	0.02	0.2		21

02-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	005511.2	37 45	-03 55	12	0.3	2.6		MARTOS.J

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTH	I		17 26 55.0						
LIS	I		17 26 57.9	I		17 27 04.0			
MOE	I		17 27 05.5						
COI			17 27 12.0		*	17 27 31.0			
MTE	I	*	17 27 14.5	I		17 27 41.2			
PTO			17 27 23.0	I		17 27 47.5			
FAR	E	*	17 27 25.0	E	*	17 27 49.3			
FIG	I		17 27 27.0	I		17 27 54.2			
EVAL	I		17 27 29.7	I		17 27 58.0	0.21	0.3	185
EPLA	I		17 27 30.0	E		17 28 00.5	0.12	0.2	230
EZAM	I		17 27 37.4	E		17 28 12.5	0.07	0.2	160
EHOR	I		17 27 41.8	I		17 28 19.2	0.21	0.3	180
GIBL	E		17 27 43.5						
ERUA	I		17 27 44.7	E		17 28 26.0	0.08	0.4	194
PINR	E	*	17 27 46.0						
PAB	E		17 27 47.0	I		17 28 30.0			
STS	I		17 27 47.3	E		17 28 30.0	0.10	0.5	180
EPRU	I		17 27 48.0	E		17 28 31.0	0.33	0.9	185
CNIL	E	*	17 27 48.0						
ALJ	E	*	17 27 50.0						
TOL	E		17 27 50.0	I		17 28 35.0	0.21	0.6	250
MOMI	E	*	17 27 51.0						
GUD	I		17 27 51.7	I		17 28 38.3	0.09	0.4	245
PLAT	E	*	17 27 53.0						
OJEN	E		17 27 54.0						
SRQ	E	*	17 27 54.5						
AAPN	E		17 27 56.5	I	*	17 29 06.5			
ALOJ	I		17 27 58.0	E	*	17 29 14.0			
MVO	I	*	17 27 59.8	I		17 28 01.5			
ASMO	E		17 28 00.0	E	*	17 29 11.5			
ATEJ	E	*	17 28 01.0	E	*	17 29 19.0			
APHE	E		17 28 03.0	E	*	17 29 19.5			
EVIA	E		17 28 06.8				0.30	0.6	230
ECRI	E		17 28 19.7				0.04	0.5	200
AVE	I	*	17 28 22.0	I		17 29 24.0			230
LGR	E	*	17 28 49.0	E	*	17 29 42.5			200
MAL	I	*	17 28 49.5	I	*	17 29 13.8	0.35	0.4	70

05-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	172650.3	39 09	-09 08	9	0.5	4.0	IV	TORRES VEDRAS.PORT

EHOR	I	02 30 26.3	I		02 30 33.0	0.08	0.2	30
AAPN	I	02 30 28.5	E		02 30 37.5			
ALOJ	I	02 30 31.7	E	*	02 30 41.0			
EBAN	I	02 30 32.1	I		02 30 42.0	0.08	0.2	70

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ASMO	I		02 30 33.0	E		02 30 44.0			
ACHM	E		02 30 35.2						
EPRU	E		02 30 35.8	E		02 30 48.7			30
AFC	I		02 30 36.3	E		02 30 50.6	0.01	0.2	45
ATEJ	I		02 30 36.5	E		02 30 49.0			
APHE	I		02 30 37.5	E		02 30 53.2			
EVAL	E	=	02 30 48.0	E	=	02 31 09.8	0.01	0.3	35
EVIA	I		02 30 48.5	E		02 31 11.8	0.03	0.2	70
GUD	E	=	02 31 11.4	E	=	02 31 45.5	0.01	0.4	70

07-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	023017.7	37 48	-04 38	6	0.5	2.9		SANTA CRUZ.CO

ERUA	I		17 01 50.0	I		17 01 59.3	0.05	0.2	32
MVO	I		17 01 51.3	I		17 02 02.5			
EZAM	I		17 01 51.5	E		17 02 02.0	0.05	0.2	30
PTO	I		17 01 54.5			17 02 06.7			
STS	I		17 01 58.9	I		17 02 14.2	0.02	0.2	28
MTE	E		17 02 00.5		*	17 02 16.7			
EPLA	E	=	17 02 17.7	E	=	17 02 43.6			53
GUD	E	=	17 02 34.0	I	=	17 03 08.0			65

08-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	170136.7	41 49	-07 42	14	0.3	2.9		MONTALEGRE.PORT

EJIM	I		01 14 26.3						102
SRQ	I		01 14 26.5						
ALJ	I	*	01 14 28.0						
OJEN	I		01 14 30.5						
MOMI	I		01 14 31.0						
PLAT	I	*	01 14 34.5						
EPRU	I		01 14 35.0	E		01 14 43.4	0.16	0.5	93
MAL	I		01 14 37.0	I		01 14 46.5	0.61	0.6	60
CNIL	I	*	01 14 38.0						
GIBL	E		01 14 38.0						
PINR	E	*	01 14 41.0						
ATEJ	I	*	01 14 41.1						
ALOJ	I		01 14 44.5						
APHE	I	*	01 14 45.2						
ACHM	I		01 14 47.5						
AAPN	I	*	01 14 49.0						
EHOR	I		01 14 50.6	I		01 15 10.0	0.05	0.3	66
AFC	E	=	01 14 53.9	E	=	01 15 14.8	0.02	0.6	88
ASMO	I	*	01 14 54.3						
EVAL	E	=	01 14 56.5	E	=	01 15 18.8			60
EBAN	E	=	01 15 03.3	E	=	01 15 30.2	0.02	0.4	60

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVIA	E	=	01 15 21.5	E	=	01 15 59.4	0.06	0.6	120
PAB	E	*	01 15 26.0	E		01 15 53.5			
GUD	E		01 15 30.0				0.01	0.6	
TOL	E	*	01 15 32.0	I	*	01 16 19.5	0.05	0.9	110

09-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	011423.5	36 20	-05 11	5	0.4	3.1		S. ESTEPONA

ESCF	I		02 47 45.1	E		02 47 46.4			
ATE	E		02 47 46.7	E		02 47 49.2			
MADF	I		02 47 48.6	E	*	02 47 53.3			
EPF			02 47 54.6			02 48 02.6			
VIH			02 48 02.4			02 48 16.0			
AVN		=	02 48 13.2		=	02 48 33.0			
ECRI	E	=	02 48 13.8	E	=	02 48 34.3	0.02	0.2	52
LGR	I	=	02 48 15.0	I	=	02 48 36.0			70
LFF		=	02 48 21.8		=	02 48 47.6	0.02	0.3	
CAF			02 48 25.4				0.01	0.2	
EROQ	E	=	02 48 28.5	E	=	02 48 57.0			65
OLT		*	02 48 29.7						

12-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	024743.7	43 04	-00 28	5	0.1	3.1	IV	LARUNS.FR

MOE	I		05 12 25.1						
LIS	I		05 12 37.5	I		05 12 47.5			
MTH	I		05 12 38.8	I		05 12 50.2			
EVAL	I		05 12 49.1	E		05 13 08.0	0.11	0.2	75
FIG	E		05 12 50.0			05 13 08.2			
FAR	E	*	05 12 52.0	E		05 13 10.0			
MTE			05 12 53.2	I		05 13 17.4			
COI	E	*	05 12 53.3		*	05 13 15.5			
EPLA	E		05 12 59.0	E		05 13 26.0	0.03	0.2	80
EHOR	E	=	05 13 06.5	E	=	05 13 36.0	0.05	0.2	75
PTO	E		05 13 03.5		*	05 13 44.0			
MVO	E	*	05 13 04.4	I		05 13 37.5			
PAB	E		05 13 12.0	I		05 13 48.5			125
ALOJ	E		05 13 18.0						
EPRU	E	=	05 13 18.0	E	=	05 13 51.4			85
GUD	E		05 13 20.0	E		05 14 03.0	0.01	0.3	120
AAPN	E	*	05 13 20.5						
ERUA	E		05 13 22.0	E		05 14 06.3	0.01	0.5	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
APHE	E		05 13 23.0						
ASMO	E	*	05 13 30.0						

13-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	051223.1	38 35	-08 12	8	0.4	3.4	MONTEMOR-O-NOVO.PORT

EVIA	I		10 48 08.8	E		10 48 20.0	0.18	0.2	117
EALH	E		10 48 08.8	E		10 48 21.3			55
ENIJ	I		10 48 09.0	E		10 48 21.0	0.02	0.2	50
AFC	I		10 48 11.0	I		10 48 25.7	0.03	0.2	75
EBAN	I		10 48 12.4	I		10 48 27.0	0.04	0.2	60
ASMO	I		10 48 13.0	E		10 48 29.0			
APHE	I		10 48 16.2	E	*	10 48 37.5			
ACHM	E		10 48 17.0						
AAPN	I		10 48 18.2	E		10 48 37.1			
ALOJ	I		10 48 20.0	E	*	10 48 41.0			
ATEJ	I		10 48 20.5	E		10 48 41.0			
MAL	I	*	10 48 26.8	I	*	10 48 53.8	0.19	0.4	72
ACU	E	=	10 48 27.8	E	=	10 48 51.0			
EHOR	E	=	10 48 27.6	E	=	10 48 54.4	0.03	0.3	65
PAB	E	=	10 48 34.5	I	=	10 49 02.5			130
GUD	E	=	10 48 51.0	E	=	10 49 27.7	0.02	0.4	92

14-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT
SSIS	104753.5	37 49	-02 30	5	0.5	3.2	HUESCAR.GR

MAL	I		03 57 25.0	I		03 57 33.3	0.70	0.5	55
ATEJ	I		03 57 28.1	E		03 57 38.7			
SRQ	E		03 57 29.0						
APHE	I		03 57 30.2	E		03 57 43.5			
EJIM	E		03 57 30.7	E		03 57 40.5	0.02	0.3	45
EPRU	I		03 57 31.4	E		03 57 42.0	0.02	0.2	46
ALOJ	I		03 57 31.5	E		03 57 43.2			
OJEN	E		03 57 32.0						
ACHM	I		03 57 32.5	E	*	03 57 46.7			
MOMI	E		03 57 33.0						
ALJ	E		03 57 33.0						
AAPN	I		03 57 33.2	E		03 57 47.0			
PLAT	E		03 57 34.0						
ASMO	I		03 57 35.7	E		03 57 51.5			
CNIL	E		03 57 36.0						
AFC	E		03 57 36.1	E		03 57 50.3			42
EHOR	I		03 57 39.8	E		03 57 58.0			47
EBAN	I		03 57 44.2	E		03 58 05.3	0.02	0.2	50
ENIJ	E		03 57 44.8	E		03 58 07.0			32
EVAL	I		03 57 47.3	E		03 58 11.5	0.04	0.2	45

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
GIBL	E	*	03 57 48.0						
IFR	I		03 57 57.0	I	*	03 58 28.0			
EVIA	E		03 57 57.0	E		03 58 27.0	0.03	0.2	75
MOE	E		03 58 08.8	I	*	03 58 48.4			
EPLA	I		03 58 11.4	E		03 58 54.0			70
MVO		=	03 58 27.8		=	03 59 23.8			

15-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	035715.0	36 23	-04 31	66	0.9	3.3		ALBORAN

ERUA	I		17 35 38.2	E		17 35 43.0	0.04	0.2	36
MVO	E		17 35 50.0	I		17 36 04.2			
STS	E	*	17 35	E		17 36 16.3	0.01	0.2	28
MTE	E		17 36 03.5	E		17 36 25.4			
EPLA	E	=	17 36 13.0	E	=	17 36 39.3			41
GUD	E	=	17 36 17.0	E	=	17 36 46.7	0.01	0.2	55

16-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	173532.0	42 10	-06 48	9	0.2	2.8		SIERRA SEGUNDERA.ZA

EBAN	I		10 58 11.6	E		10 58 21.0	0.10	0.2	45
AFC	I		10 58 11.8	E		10 58 22.8	0.02	0.2	35
EVIA	I		10 58 14.0	I		10 58 25.0	0.09	0.2	55
ENIJ	E		10 58 17.0	E		10 58 31.0			24

19-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	105758.2	37 52	-02 57	19	0.2	2.8		CAZORLA.J

FAR	I		18 30 36.4	I		18 30 44.4			
FIG	I		18 30 36.7	I		18 30 45.0			
EVAL	I		18 30 46.7	E		18 31 02.0	0.07	0.2	80
EJIM	E		18 30 53.8	E		18 31 14.0	0.02	0.3	55
EPRU	E		18 30 57.5	E		18 31 19.6	0.01	0.2	70
MOE	I		18 30 57.8	I		18 31 23.1			
EHOR	E		18 31 01.7	E		18 31 26.0	0.03	0.2	80
MTH	I		18 31 06.6	I		18 31 37.5			
EBAN	I		18 31 17.2	E		18 31 55.0	0.02	0.2	80
MTE	E	=	18 31 18.3	I	=	18 32 01.0			
EPLA	E		18 31 21.2	E		18 32 01.9	0.01	0.3	86
MVO	I	=	18 31 31.7	I	=	18 32 21.5			
GUD	I		18 31 37.5	I		18 32 30.7	0.01	0.4	115
PAB	E	*	18 32 05.5	E	*	18 32 35.5			95

20-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	183026.4	36 35	-07 33	21	0.4	3.2		GOLFO DE CADIZ

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVIA	I		20 53 37.6	E		20 53 48.4			
ECHE	E		20 53 44.3	E		20 53 59.7			
PAB	I		20 53 49.0	I		20 54 08.5			120
EBAN	E		20 53 50.6	E		20 54 10.6			
GUD	E		20 53 53.6	E		20 54 15.1	0.04	0.2	
ACU	E	*	20 53 57.9						68
ALOJ	I	*	20 54 00.4	E	*	20 54 47.5			
AFC	E		20 54 00.6	E		20 54 27.7			
ATEJ	I	*	20 54 00.7	E	*	20 54 51.0			
ACHM	I	*	20 54 02.0	E	*	20 54 46.5			
AAPN	E		20 54 02.5	E	*	20 54 39.0			
APHE	I	*	20 54 03.5	E	*	20 54 46.5			
ASMO	I	*	20 54 04.7	E	*	20 54 35.5			
LGR	I	*	20 54 18.0	I	*	20 54 48.5			90

21-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	205324.0	39 24	-02 26	15	0.3	3.3		SAN CLEMENTE.CU

EPF		13 24 39.6				
VIH		13 24 45.0		13 24 53.7		
AVN		13 24 55.4	*	13 25 12.5		
ECRI	E	13 25 06.4	E	13 25 30.3		
LPO		13 25 07.5				
LGR	I	13 25 07.6	I	13 25 31.6		90
OLT	*	13 25 09.3	*	13 25 37.1		
LFF		13 25 09.4				
EROQ	E =	13 25 12.5	E =	13 25 38.1		
EBR	E =	13 25 12.0	E =	13 25 37.0		
CAF	*	13 25 12.6		13 25 44.3		
GUD	E	13 25 33.5	E	13 26 18.0		

23-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	132435.1	42 53	00 05	9	0.3	3.3	III	LUZ.FR

ACU	I	16 48 56.1	E	16 48 59.4
EALH	I	16 49 12.7		
ECHE	I	16 49 16.3	E	16 49 33.5
EVIA	I	16 49 22.7	E	16 49 45.6
ENIJ	I	16 49 27.6		
EROQ	I	16 49 31.7	E	16 50 01.0
EBR	E *	16 49 34.0	E	16 50 01.0
ASMO	E *	16 49 41.0		
AAPN	E	16 49 43.5		
APHE	E *	16 49 44.0		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
PAB	E		16 49 46.0	E	*	16 50 22.0			140
ALOJ	E	*	16 49 46.1						
ATEJ	E	*	16 49 48.0						
AVN		*	16 49 49.0						
GUD	E		16 49 50.8				0.01	0.3	

23-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	164852.7	38 25	-00 12	8	0.3	3.0		S. CABO DE LA NAO

VAN		18 43 15.6			18 43 23.4				
FBR		18 43 16.9			18 43 25.9				
EBR	E	18 43 20.9	E		18 43 31.5				
EROQ	I	18 43 21.7	E		18 43 33.2				250
AVN		18 43 25.0			18 43 39.5				
SQD		18 43 27.0		*	18 43 42.9				
OLT		18 43 29.1		*	18 43 44.9				
VIH		18 43 34.8			18 43 57.3				
MLS		18 43 38.7			18 44 04.0				
EPF		18 43 42.0		*	18 44 07.0				
ECHE	I	18 43 43.4	E		18 44 12.0		0.21	0.5	225
ATE	E	18 43 48.0							
ISSF	E	18 43 48.1							
ACU	I	18 43 51.0	E		18 44 24.6		0.09	0.6	110
LGR	I	18 43 57.5	I		18 44 36.7				300
ECRI	I	18 43 58.4	E		18 44 38.0		0.21	0.2	230
LPO		18 44 01.9					0.21	0.3	
EVIA	E	18 44 04.2	E		18 44 49.5		0.23	0.6	250
EALH	E	18 44 04.6	E		18 44 49.0				150
LFF		18 44 05.5					0.26	0.4	
GUD	I	18 44 10.5	I		18 44 59.7		0.03	0.3	265
PAB	I	18 44 15.2	I	*	18 45 02.5				310
ENIJ	E	18 44 19.0							
AFC	E	18 44 26.2							175
ASMO		18 44 26.5							
AAPN		18 44 29.5							
ACHM		18 44 29.5							
APHE		18 44 30.5							
EPLA	E	18 44 31.6					0.05	0.6	
ALOJ		18 44 32.0							
ATEJ		18 44 33.5							
ERUA	E	18 44 42.0							

24-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	184305.4	40 58	01 33	7	0.4	4.0	IV	S.E. TARRAGONA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
PLAT	E	*	16 12 49.0						
OJEN	E	*	16 12 50.0						
MOMI	E		16 12 51.0						
ALJ	E		16 12 54.0						
EJIM	E	=	16 12 57.2	E	=	16 13 17.3	0.10	0.5	120
SRQ	E	*	16 12 55.0						
CNIL	E	*	16 12 55.0						
IFR	I		16 12 55.5	I		16 13 17.5			
AVE	I		16 12 59.0	I		16 13 24.5			
PINR	E	*	16 13 01.0						
GIBL	E	*	16 13 03.5						
FIG	E		16 13 04.5	E		16 13 34.1			
EVAL	E		16 13 06.8	E		16 13 37.0	0.03	0.3	83
ATEJ	E		16 13 07.5						
ALOJ	E	*	16 13 10.0						
APHE	E		16 13 10.0						
EHOR	E		16 13 11.3	E		16 13 44.4			87
AAPN	E		16 13 11.7						
ASMO	E		16 13 14.2						
TIO	I		16 13 28.5	I	*	16 14 33.0			
EPLA	E		16 13 41.4	E		16 14 37.7			110
MTE	E		16 13 45.5		*	16 14 45.0			
GUD	E		16 13 51.0	E		16 14 56.0			132
MVO	I		16 13 55.2			16 15 03.5			

28-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	161225.7	35 03	-06 14	5	0.7	3.4		S. LARACHE.MAC

EBR	E	*	14 29 21.0	E	*	14 29 34.0			
EROQ	E		14 29 23.5	E		14 29 35.0	0.05	0.2	48
AVN			14 29 26.7			14 29 41.1			70
OLT			14 29 32.4			14 29 50.5			
VIH		=	14 29 47.0		=	14 30 09.2			
EPF		=	14 29 48.0		=	14 30 15.8			

29-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	142907.8	41 00	01 31	5	0.2	2.9		S.E. TARRAGONA

EJIM	I	03 45 23.7	E	03 45 27.5	0.04	0.2	54
EHOR	I	03 45 36.2	E	03 45 50.5	0.04	0.2	35
EVAL	E	03 45 39.6	E	03 45 56.0	0.02	0.2	35
EBAN	E	03 45 48.2	E	03 46 12.3	0.01	0.2	54

30-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	034516.9	36 46	-05 30	13	0.3	2.9		PRADO DEL REY.CA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALJ	I		03 59 34.0						
EJIM	I		03 59 35.3						155
GIBL	I		03 59 35.5						
SRQ	I	*	03 59 37.5						
MOMI	I		03 59 38.5						
PINR	I	*	03 59 41.0						
CNIL	I	*	03 59 42.0						
PLAT	I	*	03 59 43.0						
OJEN	I	*	03 59 43.0						
MAL	I		03 59 45.8	I	*	04 00 01.4	1.94	0.7	130
EHOR	I		03 59 47.8	I		04 00 02.0			135
ALOJ	I		03 59 50.0	E		04 00 05.5			
EVAL	I		03 59 50.4	I		04 00 06.5	0.16	0.2	135
AAPN	I		03 59 50.7	E	*	04 00 05.5			
ATEJ	I		03 59 50.9	E	*	04 00 03.0			
ACHM	I		03 59 53.2	E	*	04 00 15.7			
ASMO	I	*	03 59 50.9	E	*	04 00 16.5			
CRT	E	*	03 59 57.0						
AFC	I		03 59 57.1	E		04 00 16.6	0.06	0.3	120
APHE	I	*	03 59 59.5	E	*	04 00 14.2			
EBAN	I		04 00 00.2	E		04 00 24.7			135
FIG	E	*	04 00 02.0	I	*	04 00 27.3			
FAR	E	*	04 00 03.8	E	*	04 00 30.2			
MOE	I		04 00 12.4	I		04 00 46.0			
PAB	E		04 00 14.0	I		04 00 47.0			230
IFR	I		04 00 18.0	I		04 00 54.5			
EPLA	I		04 00 20.0	E		04 00 57.0	0.08	0.3	135
LIS	E		04 00 21.0						
MTH	E		04 00 23.0	I	*	04 01 04.6			
MTE	E	=	04 00 25.5	I	=	04 01 09.0			
GUD	I		04 00 29.4	E		04 01 13.8	0.04	0.4	185
MVO	E	=	04 00 33.0	I	=	04 01 23.0			
COI		*	04 00 37.0	I	*	04 01 13.3			
PTO	I		04 00 41.8		*	04 01 31.2			
LGR	E	*	04 00 56.3	I	*	04 02 08.5			210
TIO	I		04 00 57.0	I	*	04 02 00.0			

30-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	035929.3	36 46	-05 33	20	0.4	3.6	III	PRADO DEL REY.CA

ALJ	E	*	04 02 23.5						
EJIM	E		04 02 24.7	E		04 02 28.6	0.03	0.2	41
GIBL	E		04 02 25.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
PINR	E		04 02 28.0						
EHOR	I		04 02 37.6	E		04 02 52.0	0.02	0.2	37

30-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	040218.1	36 45	-05 31	13	0.2	2.7		PRADO DEL REY.CA

ALJ	E		04 08 19.0						
EJIM	E		04 08 20.4	E		04 08 25.0			30
GIBL	E		04 08 21.0						
EHOR	E		04 08 31.5	E		04 08 46.0	0.01	0.2	28

30-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	040812.9	36 42	-05 32	38	0.3	2.5		PRADO DEL REY.CA

ALJ	E	*	04 10 00.0						
EJIM	E		04 10 00.3	E		04 10 6.5			31
GIBL	E		04 10 02.0						
EHOR	E		04 10 13.0	E		04 10 29.0	0.01	0.2	28

30-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	040954.7	36 44	-05 31	20	0.7	2.5		PRADO DEL REY.CA

ALJ	E		05 10 49.0						
GIBL	E		05 10 50.5						
EJIM	E		05 10 51.3	E		05 10 57.0	0.03	0.2	47
MAL	E		05 11 02.6	I	*	05 11 17.0	0.12	0.8	37
EHOR	I		05 11 04.3	E		05 11 18.8	0.04	0.2	43
ATEJ	E	*	05 11 05.4						
ALOJ	I		05 11 06.8						
EVAL	I		05 11 07.4	E		05 11 24.2	0.01	0.2	31
AAPN	I		05 11 07.7	E		05 11 25.0			
APHE	E		05 11 11.5						
EBAN	E	=	05 11 16.0	E	=	05 11 40.0	0.01	0.2	45

31-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	051045.2	36 47	-05 34	7	0.4	3.0		PRADO DEL REY.CA

ATEJ	I		13 57 32.5						
APHE	I		13 57 33.0						
SRQ	E		13 57 34.0						
OJEN	E		13 57 34.5						
EJIM	E		13 57 35.6	E		13 57 59.7	0.06	0.5	120
ALOJ	E		13 57 36.0						
ACHM	E		13 57 36.2						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
IFR	I		13 57 36.6	I		13 58 00.8			
PLAT	E	*	13 57 38.0						
MAL	E	*	13 57 38.3	I		13 57 55.0			57
MOMI	E	*	13 57 41.0						
ALJ	E	*	13 57 41.0						
AAPN	E	*	13 57 41.0						
ASMO	E	*	13 57 41.5						
CNIL	E	*	13 57 43.0						
EHOR	E		13 57 49.0	E		13 58 24.0			
MOE	E		13 58 19.5	I	*	13 59 11.5			
TIO	I		13 58 21.2	I		13 59 17.6			
GUD	E		13 58 25.5	E		13 59 27.0			

31-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	135703.3	35 07	-03 36	10	0.6	3.3		ANUAL.MAC

ALJ	E		20 59 00.0						
EJIM	E		20 59 01.2				0.03	0.2	36
GIBL	E		20 59 03.0						
EHOR	E		20 59 14.7	E		20 59 29.2	0.02	0.2	35
ALOJ	I		20 59 17.2						
ATEJ	E		20 59 17.5						
AAPN	E		20 59 17.6						

31-AGO	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	205856.0	36 46	-05 30	13	0.6	2.7		PRADO DEL REY.CA

EALH	E		01 13 01.7	E		01 13 9.5	0.02	0.2	67
ACU	E		01 13 02.6	E		01 13 11.2	0.02	0.2	64
EVIA	E		01 13 17.0	E		01 13 36.8	0.04	0.2	69
ECHE	E	=	01 13 21.8	E	=	01 13 42.4			50

02-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	011250.9	37 55	-00 42	18	0.1	2.7		MEDITERRANEO

OLT			18 23 01.3			18 23 9.0			
AVN			18 23 12.2			18 23 28.7			
EPF			18 23 14.3			18 23 30.6			
EROQ	E	=	18 23 31.3	E	=	18 23 57.2	0.02	0.2	60
EBR	E	=	18 23 29.0	E	=	18 23 55.0			
LRG			18 23 43.1			18 24 21.0			
FRF			18 23 46.0			18 24 25.9			

05-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	182251.2	42 35	01 59	7	0.5	3.2		PIRINEOS

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TAF		*	23 52 00.0		*	23 52 27.0			
IFR	I		23 52 07.0	I		23 52 17.5			
AVE	E	*	23 52 33.0	I	*	23 53 17.0			
OJEN	E		23 52 38.0						
SRQ	E		23 52 40.0						
PLAT	E	*	23 52 41.0						
EJIM	E		23 52 42.5						110
MAL	E		23 52 43.0	I		23 53 21.0	0.28	0.4	120
ATEJ	I		23 52 44.5						
APHE	I		23 52 46.5						
ALOJ	I		23 52 48.0						
TIO	I		23 52 49.0		*	23 53 46.0			
ACHM	E	*	23 52 50.5						
ENIJ	E		23 52 51.2	E		23 53 33.6			110
AFC	E		23 52 51.5	E		23 53 35.6			100
ASMO	E	*	23 52 54.7						
AAPN	E	*	23 52 56.5						
MOE	I	=	23 53 20.0	I	=	23 54 26.5			
MTE	E	=	23 53 37.0	E	=	23 54 57.8			

05-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
	---	---	---	---	---	---	---	
SSIS	235152.9	33 29	-04 11	5	0.7			ADRAR BOU NASSEUR.MAC

CRT	I		11 21 43.5						
AFC	I		11 21 44.3						120
APHE	I		11 21 44.5	E	*	11 21 48.5			
ACHM	I		11 21 45.0	E	*	11 21 49.2			
ASMO	I		11 21 46.7	E		11 21 50.2			
ATEJ	I		11 21 48.1	E		11 21 54.0			
ALOJ	I		11 21 48.5	E	*	11 21 53.5			
AAPN	I		11 21 50.7	E	*	11 21 59.0			
MAL	I		11 21 55.3	I		11 22 04.7			85
ALM	I		11 21 59.0	I	*	11 22 09.9			59
ENIJ	I		11 22 01.5	E		11 22 16.8	0.04	0.2	75
EBAN	I		11 22 02.0	E		11 22 17.0	0.09	0.3	
EHOR	E		11 22 08.7	E		11 22 29.0	0.05	0.4	80
EVIA	I		11 22 12.8	E		11 22 35.3	0.18	0.5	150
EALH	E	=	11 22 16.3	E	=	11 22 40.0	0.05	0.7	75
EVAL	E		11 22 23.0						75
PAB	E	*	11 22 31.0	E	*	11 23 05.5			140
MOE	E		11 22 44.1	I	*	11 23 30.9			
GUD	E	=	11 22 49.0	E	=	11 23 30.7	0.03	0.5	110

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTE	E		11 22 49.5	I		11 23 41.0			
MVO	E	*	11 22 52.5	E		11 23 50.0			

07-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	112141.6	37 05	-03 36	5	0.5	3.3	III	DILAR.GR

MAL	I		01 12 51.0	I		01 12 54.5			
ALOJ	I		01 12 54.2						
ATEJ	I		01 12 54.5	E		01 13 00.0			
ACHM	E		01 12 58.2						
AAPN	E	*	01 12 58.5						
APHE	I		01 12 59.0						
ASMO	E	*	01 13 03.5						
EHOR	E		01 13 05.4	E		01 13 20.0	0.01	0.2	25
EBAN	E		01 13 10.7	E		01 13 28.3	0.02	0.2	33

09-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	011246.7	36 55	-04 32	11	0.3	2.8		S. ANTEQUERA.MA

APHE	I		00 16 22.2	E	*	00 16 24.6			
ACHM	I		00 16 23.0	E	*	00 16 27.0			
CRT	I		00 16 24.0						
AFC	I		00 16 24.7	E		00 16 28.0			100
ATEJ	I		00 16 25.2	E		00 16 29.8			
ASMO	I		00 16 26.1	E	*	00 16 29.2			
ALOJ	I		00 16 26.5	E		00 16 31.0			
AAPN	E		00 16 28.5	E	*	00 16 32.5			
MAL	I		00 16 31.0	I		00 16 40.0	1.53	0.8	75
ALM	I		00 16 39.2	I	*	00 16 50.0			54
ENIJ	I		00 16 41.5				0.03	0.3	72
EHOR	E	=	00 16 48.3	I	=	00 17 07.7	0.02	0.3	67
SRQ	E	*	00 16 52.0						
EVIA	I		00 16 52.3	E		00 17 15.0	0.06	0.3	110
OJEN	E	*	00 16 54.0						
PAB	E	=	00 17 10.0	E	=	00 17 40.0			80
MOE	E		00 17 22.0	I		00 18 07.7			
GUD	E	=	00 17 30.0	E	=	00 18 12.5	0.01	0.4	

10-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	001620.2	37 01	-03 41	5	0.5	3.0		PADUL.GR

MAL	I		14 57 37.5	I		14 57 45.0	0.77	0.4	55
ATEJ	I		14 57 40.3	E		14 57 50.5			
ALOJ	I		14 57 42.0	E	*	14 57 55.2			
APHE	I		14 57 43.2	E		14 57 55.2			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AAPN	I		14 57 43.6						
EJIM	E		14 57 43.6	E		14 57 54.6	0.03	0.2	50
ACHM	E		14 57 43.7	E		14 57 55.0			
ALJ	I	*	14 57 45.5						
ASMO	I		14 57 46.4	E		14 57 58.0			
AFC	I		14 57 46.7	E		14 57 59.0	0.02	0.2	50
SRQ	E	*	14 57 48.0						
MOMI	E	*	14 57 48.0						
OJEN	E	*	14 57 50.0						
GIBL	E	*	14 57 50.0						
EHOR	I		14 57 50.2	E		14 58 05.3	0.05	0.2	60
PLAT	E	*	14 57 55.0						
EVAL	I		14 57 58.6	E		14 58 21.2	0.02	0.2	42
CNIL	E	*	14 57 59.0						
EVIA	E		14 58 06.5	E		14 58 35.7	0.04	0.2	78
FIG	I	=	14 58 06.5	I	=	14 58 35.8			
IFR	I	*	14 58 12.5	I	*	14 58 45.0			
MOE	I		14 58 20.2	I		14 58 58.5			
EPLA	I		14 58 21.9	E		14 59 01.2			70
GUD	E		14 58 27.3	E		14 59 09.8			86
MVO	I		14 58 38.4	I		14 59 30.4			

10-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	145728.8	36 43	-04 36	66	0.6	3.1		W. MALAGA

MAL	I	13 03 24.2	I		13 03 37.8				150
SRQ	I	13 03 24.5							
OJEN	I	13 03 25.5							
EJIM	I	13 03 26.6	E		13 03 39.6				198
ATEJ	I	13 03 26.8	I	*	13 03 34.0				
PLAT	I	13 03 27.5							
MOMI	E	13 03 28.0							
ALJ	I	13 03 28.5							
EPRU	I	13 03 28.8							185
APHE	I	13 03 28.9	I	*	13 03 39.5				
CNIL	I	13 03 30.0							
ALOJ	I	13 03 30.2	I	*	13 03 39.2				
ACHM	I	13 03 30.5							
GIBL	I	13 03 31.0							
PINR	I	13 03 32.0							
AAPN	I	13 03 33.1	I	*	13 03 45.3				
CRT	I	13 03 33.9	I	*	13 03 44.3				
AFC	I	13 03 34.7				0.15	0.4		199
ASMO	I	13 03 34.9	I	*	13 03 47.8				
ALM	I	13 03 37.1							130
EHOR	I	13 03 38.6	E		13 04 02.5				232
ENIJ	I	13 03 40.0	E		13 04 07.0				176

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
IFR	I	*	13 03 40.5	I	*	13 04 06.0			
EBAN	I		13 03 42.0						
EVAL	I		13 03 43.8	E		13 04 11.2	0.26	0.2	200
FIG	I		13 03 48.8	I		13 04 21.6			
FAR	I		13 03 49.7	I		13 04 23.0			
EVIA	I		13 03 54.4	E		13 04 30.0			277
EALH	I		13 03 54.5	E		13 04 30.6			
AVE	I	*	13 03 55.0	I	*	13 04 30.0			
PAB	I		13 04 00.5	I		13 04 40.5			290
MOE	I		13 04 04.1	I		13 04 48.8			
EPLA	I		13 04 09.8	E		13 04 56.5	0.12	0.3	224
ECHE	E		13 04 13.7	E		13 05 06.2			
MTH	I		13 04 14.3	I		13 05 06.5			
GUD	I		13 04 15.3	I		13 05 07.0	0.10	0.4	243
TIO	I	*	13 04 21.5	I	*	13 05 18.0			
COI	E		13 04 22.3	I		13 05 19.3			
MVO	I		13 04 25.4	I		13 05 25.9			
PTO	I		13 04 32.7	I	*	13 05 34.8			
EBR	E		13 04 36.0	E		13 05 46.0			
EROQ	E		13 04 36.2	E		13 05 45.0			165
LGR	E	*	13 04 39.5	I	*	13 05 41.5			195
ERUA	I		13 04 43.6	E		13 05 54.3	0.02	0.2	190
ECRI	E		13 04 46.0	E		13 05 59.5	0.03	0.3	190
AVN			13 04 50.6						
EPF			13 05 01.8			13 06 26.6			

11-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	130307.2	36 00	-04 37	100	0.9	4.1		ESTCHO DE GIBRALTAR

EPRU	I		16 42 10.1	E		16 42 14.0	0.22	0.7	84
EJIM	E		16 42 16.2	E		16 42 23.5	0.09	0.4	65
GIBL	E		16 42 20.0						
SRQ	E	*	16 42 22.0						
EHOR	E		16 42 26.0	E		16 42 40.6	0.02	0.5	65
OJEN	E	*	16 42 25.0						
ATEJ	E	*	16 42 30.0						
AAPN	E	*	16 42 30.0						
ALOJ	E	*	16 42 30.5						
EVAL	E		16 42 32.6	E		16 42 52.2			47
ACHM	E	*	16 42 34.0						
APHE	E	*	16 42 35.5						
ASMO	E	*	16 42 37.5						

11-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	164207.7	36 49	-05 08	10	0.7	2.7		ARRIATE.MA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACU	E		17 27 30.2	E		17 27 38.2	0.05	0.3	36
ECHE	E		17 27 31.3	E		17 27 39.7	0.02	0.2	49
EVIA	E		17 27 44.9				0.03	0.2	80
EROQ	E	=	17 27 54.8	E	=	17 28 16.5			50

11-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	172719.3	39 05	-00 30	29	0.2	2.8		VILLANUEVA CASTELLON.\

EPRU	I		00 14 59.8						
ALJ	E		00 15 04.0						
GIBL	E	*	00 15 05.0						
EJIM	E		00 15 07.7	E		00 15 14.5	0.04	0.2	60
MAL	I	*	00 15 10.0	I	*	00 15 24.8	0.23	0.5	
OJEN	E		00 15 13.0						
EHOR	E		00 15 13.5	E		00 15 25.8	0.02	0.2	39
ATEJ	E	*	00 15 16.0	E		00 15 32.0			
ALOJ	I		00 15 16.5	E	*	00 15 32.0			
AAPN	E		00 15 17.0	E		00 15 32.0			
ACHM	E		00 15 20.2						
EVAL	E		00 15 21.2	E		00 15 37.8	0.01	0.2	38
APHE	E		00 15 21.5						
ASMO	E		00 15 23.0						
AFC	E		00 15 24.8	E		00 15 43.3			50
EBAN	E	=	00 15 30.0	E	=	00 15 52.0	0.01	0.2	

12-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	001457.9	36 57	-05 22	5	0.4	2.8		SIERRA DE LIJAR.CA

FAR	I		12 27 37.8	I		12 27 43.0			
FIG	I		12 27 39.0	I		12 27 45.0			
EVAL	I		12 27 55.2	E		12 28 11.0	0.06	0.2	60
MOE	I		12 27 56.2	I		12 28 15.0			
MTH	E		12 28 03.6	E		12 28 28.0			
EPRU	E	=	12 28 17.0	E	=	12 28 45.0			60
AVE	E	*	12 28 25.5	E		12 29 14.0			
EBAN	E		12 28 27.7	E		12 29 09.4			100
MTE	E	*	12 28 33.5	I	*	12 29 14.5			
IFR	E		12 28 38.5	I	*	12 29 24.0			
TIO	I		12 29 03.5	I		12 30 09.5			
MVO	E	*	12 29 17.5	E	*	12 29 38.0			

12-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	122733.1	37 06	-08 14	19	0.6	3.2		ALBUFEIRA.PORT

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALM	I		15 05 20.3	I		15 05 25.0			25
ENIJ	I		15 05 23.7	I		15 05 31.0	0.09	0.3	45
APHE	I		15 05 31.2	E	*	15 05 42.0			
AFC	E		15 05 33.5				0.01	0.3	40
ATEJ	I		15 05 34.5	E	*	15 05 49.5			
ACHM	E		15 05 34.5						
ALOJ	E		15 05 38.0						
ASMO	E	*	15 05 39.5						
EBAN	E	=	15 05 49.2	E	=	15 06 13.5			
EVIA	I	=	15 05 53.0	E	=	15 06 20.5	0.02	0.3	54

12-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	150513.0	36 29	-02 35	5	0.4	2.9		S. DE ALMERIA

ABA		*	13 49 55.0						
CNS			13 50 08.5						
ENIJ	E		13 50 16.0	E		13 51 09.0	0.02	0.4	198
ACU	E		13 50 19.2	E		13 51 13.5	0.05	0.6	180
EALH	E		13 50 19.8				0.04	0.6	180
AFC	E		13 50 33.0	E		13 51 35.0			175
EVIA	E		13 50 35.0	E		13 51 40.0	0.19	0.6	215
ECHE	E		13 50 36.2	E		13 51 42.0	0.04	0.6	148
IFR	I		13 50 40.5						
EROQ	E		13 50 47.0	E		13 52 01.0	0.11	1.0	170
EBR	E		13 50 49.0						
OLT			13 51 02.5						
EPF			13 51 18.5			13 52 55.7	0.01	0.5	
LMR			13 51 28.6						
LRG			13 51 29.4						
TIO	I	*	13 51 29.5						
CVF			13 51 30.1			13 53 14.8			
AVE	E	*	13 51 34.0						

13-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	134908.9	34 09	02 22	22	0.9	4.0		AFLOU.ARG

EALH	E		02 04 13.7	E		02 04 21.4	0.02	0.3	73
EVIA	I		02 04 17.1	E		02 04 27.0	0.11	0.2	100
ACU	I		02 04 24.5	E		02 04 39.0	0.01	0.3	48
ECHE	E		02 04 29.8	E		02 04 48.8			45
ENIJ	E		02 04 31.0	E		02 04 49.5	0.01	0.3	57
EBAN	I		02 04 32.8	E		02 04 55.0	0.03	0.2	70
ASMO	I	*	02 04 38.7	E	*	02 05 04.0			
AFC	E	=	02 04 39.0	E	=	02 05 02.0	0.01	0.3	73
APHE	I	*	02 04 42.6	E	*	02 05 12.5			
ACHM	E	*	02 04 43.5						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AAPN	I	*	02 04 44.0						
ALOJ	E	*	02 04 44.6						
ATEJ	E	*	02 04 47.0						
PAB	E	*	02 04 51.0	I	*	02 05 18.5			120
GUD	E	=	02 05 00.4	E	=	02 05 36.0	0.01	0.3	85

14-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	020405.0	38 20	-01 43	5	0.4	3.0	MOHARQUE.MU	

ABA	I		22 00 46.0			22 00 53.0			
CNS	I	*	22 01 11.5			22 01 44.4			
ACU	I		22 01 29.6	E		22 02 10.0	0.19	0.3	
EALH	E		22 01 37.5	E		22 02 23.5	0.18	0.8	
ECHE	I		22 01 43.2	E		22 02 31.5	0.32	0.9	
EBR	E		22 01 43.0	E	*	22 02 44.0			
EROQ	I		22 01 43.7	E		22 02 34.8	0.06	0.2	
ENIJ	E		22 01 45.0	E		22 02 38.0	0.04	0.3	
ALM	E		22 01 47.9						180
EVIA	E		22 01 52.5				0.27	0.4	
OLT			22 01 53.0						
AVN			22 01 55.0						
TAF	I		22 01 56.0						
AFC	E		22 02 01.3				0.08	0.6	
APHE	I		22 02 02.7						
EBAN	E		22 02 03.1	E		22 03 10.0			
ASMO	I		22 02 04.5						
ACHM	E		22 02 04.7						
ATEJ	I		22 02 05.4						
ALOJ	I		22 02 07.7						
AAPN	I		22 02 08.4						
LMR			22 02 11.8		*	22 03 20.6	0.05	0.2	
EPF			22 02 12.3			22 03 21.0	0.08	0.6	
LRG			22 02 13.1		*	22 03 22.6	0.11	0.6	
CVF			22 02 14.5		*	22 03 25.0	0.02	0.2	
PAB	I		22 02 15.0	E	*	22 03 20.0			
ATE	E		22 02 16.9	E		22 03 31.6			
MADF	E		22 02 18.1	E		22 03 34.2			
EHOR	E		22 02 19.3						
GUD	I		22 02 19.8				0.03	0.5	
IFR	I		22 02 31.0						
EPLA	E		22 02 34.6				0.05	0.7	
EVAL	E		22 02 36.0	E		22 04 05.0			
AVE	I		22 02 56.5						
ERUA	I		22 02 58.5						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TIO	I		22 03 12.0						
STS	E		22 03 14.0						

16-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	220036.1	37 03	03 39	13	0.7	4.8		N.E. ARGEL

OJEN	E		15 08 58.0								
PLAT	E		15 08 58.0								
CNIL	E		15 09 00.0								
SRQ	E		15 09 00.0								
IFR	I	*	15 09 00.5	I		15 09 25.0					
EJIM	E		15 09 03.2						0.08	0.5	160
ALJ	E	*	15 09 03.5								
AVE	I		15 09 05.5	I	*	15 09 33.5					
EPRU	E		15 09 10.2	E		15 09 37.4	0.07	0.9	120
EVAL	I		15 09 15.8	I		15 09 46.0	0.04	0.4	78
ATEJ	E		15 09 17.0						
ALOJ	I		15 09 19.0						
APHE	E		15 09 20.0						
AAPN	I		15 09 21.0	E		15 09 55.0			
ACHM	E		15 09 21.5						
EHOR	E		15 09 22.0						
MAL	E	*	15 09 24.2	I		15 09 40.8	0.18	0.6	66
ASMO	I		15 09 24.9						
AFC	E		15 09 24.8	E		15 10 02.2			110
EBAN	E	=	15 09 30.0	E	=	15 10 13.8	0.02	0.3	95
TAF		*	15 09 35.0		*	15 10 26.0			
TIO	I		15 09 35.5	I	*	15 10 42.5			
EVIA	E	=	15 09 44.8	I	=	15 10 37.8	0.04	0.3	110
EPLA	E		15 09 50.0	E		15 10 46.2			100
MTE	E		15 09 55.0	E		15 10 55.0			
MVO	I	=	15 10 03.9	I	=	15 11 10.9			

19-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	150835.6	34 57	-06 27	23	0.6	3.5		S.W. LARACHE

VAN			14 58 44.2			14 58 52.0					
POB			14 58 44.5			14 58 52.3					
FBR			14 58 46.4		*	14 58 53.5					
MRB			14 58 47.0		*	14 58 58.0					
EROQ	E		14 58 50.8	E		14 59 02.5	0.04	0.2	60
EBR	E	*	14 58 51.0	E		14 59 01.0			
AVN			14 58 54.7			14 59 10.3			
OLT			14 59 00.7			14 59 17.5			
VIH			14 59 06.1						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF		*	14 59 14.2				0.01	0.2	
CAF			14 59 37.2						

20-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	145835.1	40 58	01 32	5	0.5	3.0		S.E. TARRAGONA

LGR	I		23 09 42.8	I		23 09 47.6				180
ECRI	I		23 09 45.6							175
GUD	I		23 10 09.4	E		23 10 34.5	0.06	0.2		210
EPF			23 10 14.5							
AVN			23 10 16.0							
VIH			23 10 18.2							
EROQ	E		23 10 18.5	E		23 10 48.0	0.08	0.3		160
TOL	I		23 10 18.5	I		23 10 50.5	0.14	0.8		160
EBR	E		23 10 20.0	E		23 10 49.0				
PAB	I		23 10 24.0							170
MRB			23 10 28.5							
ECHE	E	=	23 10 31.3	E	=	23 11 04.2	0.04	0.4		130
EVIA	E		23 10 32.0	E		23 11 12.5	0.13	0.3		200
MVO	I		23 10 33.4	I	*	23 11 16.9				
LFF			23 10 34.9			23 11 15.8	0.02	0.4		
OLT			23 10 35.0							
ERUA	E	=	23 10 35.5	E	=	23 11 15.5	0.03	0.3		140
LPO			23 10 35.6			23 11 16.5	0.02	0.4		
RJF			23 10 42.9				0.01	0.4		
MTE	E	*	23 10 43.2	E	*	23 11 50.5				
EPLA	E	=	23 10 43.6	E	=	23 11 23.0	0.06	0.3		150
COI	E		23 10 49.6	E	*	23 12 14.0				
PTO	E	*	23 10 57.0	E	*	23 11 51.5				
MAL	E	*	23 11 24.0	I	*	23 12 36.3	0.14	0.8		119

20-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	230937.6	42 08	-02 29	5	0.7	3.6	V	SRRA CAMERO VIEJO.LO

LGR	I		14 42 57.5	I	*	14 43 04.2				55
ECRI	I		14 42 59.8	E		14 43 06.5	0.06	0.2		78
GUD	E		14 43 21.8	E		14 43 44.8	0.01	0.2		60
EPF			14 43 26.0			14 43 53.0	0.01	0.3		
EROQ	E	=	14 43 35.0	E	=	14 44 04.7				50

24-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	144250.4	42 06	-02 28	15	0.2	2.9		SRRA CAMERO VIEJO.LO

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALOJ	I		19 17 57.5	E		19 18 04.0			
AAPN	I		19 17 58.0	I		19 18 06.0			
ATEJ	I		19 17 58.6	I		19 18 07.5			
APHE	I		19 18 02.6	E		19 18 14.0			
ASMO	I		19 18 02.7	E		19 18 14.0			
EHOR	I		19 18 03.5	E		19 18 15.4	0.14	0.2	78
CRT	I		19 18 04.2						
EJIM	I		19 18 05.0	E		19 18 17.3	0.06	0.3	48
ALJ	I		19 18 05.5						
SRQ	E	*	19 18 09.0						
OJEN	E		19 18 10.0						
MOMI	E	*	19 18 11.0						
EVAL	I	=	19 18 14.0	E	=	19 18 34.5			60
PLAT	E	*	19 18 19.0						
EVIA	E		19 18 23.2	E		19 18 49.0	0.04	0.2	89
EPLA	E		19 18 35.8	E		19 19 11.5	0.02	0.3	83
GUD	E		19 18 41.0	E		19 19 21.0	0.01	0.4	101

25-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	191748.8	37 07	-04 39	25	0.5	3.1		MOLLINA.MA

ENIJ	I		05 29 44.7	E		05 30 04.8	0.09	0.2	200
ALM	E		05 29 46.0	I		05 30 07.5			56
TAF	I		05 29 47.0		*	05 30 18.0			
EALH	E		05 29 50.7	E		05 30 14.0	0.04	0.2	170
ACU	E		05 29 58.9	E		05 30 28.8	0.03	0.2	150
APHE	I		05 30 00.2	E		05 30 31.5			
ATEJ	I		05 30 02.0	E		05 30 35.0			
ACHM	I		05 30 03.5						
ASMO	I		05 30 04.0	E	*	05 30 41.5			
ALOJ	I		05 30 06.0						
EVIA	I		05 30 06.2	E		05 30 41.5	0.10	0.3	225
AAPN	I	*	05 30 08.5	E	*	05 30 46.5			
CRT	E	*	05 30 09.7						
IFR	I		05 30 25.0			05 31 13.0			
EROQ	E		05 30 32.0	E		05 31 26.5	0.01	0.2	90
GUD	E		05 30 39.8	E		05 31 39.5			190

26-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	052919.4	35 56	-00 39	21	0.8	3.5		N. DE ORAN

ACHM	I		11 07 27.7	E	*	11 07 30.0			
APHE	I		11 07 29.5	E		11 07 31.0			
ATEJ	I		11 07 30.2	E	*	11 07 32.0			
ALOJ	I		11 07 30.6	E		11 07 33.4			
ASMO	I		11 07 31.5	E	*	11 07 34.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AFC	I		11 07 31.5	I		11 07 35.5	0.14	0.2	62
AAPN	I		11 07 33.0	E		11 07 38.7			
EBAN	E		11 07 46.8	E		11 08 01.3	0.01	0.2	37
ENIJ	E		11 07 50.1	E		11 08 06.9			61
EPRU	E	=	11 07 50.4	E	=	11 08 06.0			55
EHOR	E	=	11 07 53.0	E	=	11 08 11.7			42
EVIA	E		11 07 58.3	E		11 08 21.6	0.03	0.3	70

27-SEP	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	110726.4	37 03	-03 49	5	0.3	2.9		ESCUZAR.GR

APHE	I		05 27 31.5	E		05 27 33.5			
ACHM	I		05 27 32.5	E		05 27 35.0			
CRT	I		05 27 34.0	E		05 27 36.5			
ATEJ	I		05 27 34.2	E		05 27 37.2			
AFC	I		05 27 34.7	E		05 27 38.5	0.07	0.1	57
ALOJ	I		05 27 35.7	E	*	05 27 39.0			
ASMO	I		05 27 35.7	E	*	05 27 39.5			
AAPN	I		05 27 39.0	E		05 27 44.7			
MAL	E		05 27 41.0	I		05 27 49.5	0.19	0.4	40
EBAN	E		05 27 51.3	E		05 28 06.8	0.02	0.3	54
ENIJ	E		05 27 51.4				0.01	0.4	54
EVIA	E	=	05 28 04.0	E	=	05 28 27.2			93

02-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	052729.6	36 59	-03 43	9	0.5	2.8		PADUL.GR

VIH			04 46 06.4			04 46 9.0			
AVN		*	04 46 13.0		*	04 46 20.6			
EPF			04 46 15.6			04 46 24.0			
MRB			04 46 24.3						
OLT			04 46 25.8						
FBR			04 46 28.0			04 46 46.5			
EROQ	E		04 46 33.5	E		04 46 56.0	0.02	0.1	77
EBR	E		04 46 33.5	E		04 46 56.5			
LPO			04 46 38.7				0.03	0.3	
CAF			04 46 43.7			04 47 13.8	0.02	0.3	
RJF			04 46 47.4			04 47 19.2	0.01	0.3	
ECRI	E	=	04 46 51.7	E	=	04 47 22.0	0.02	0.2	75
LGR	E	*	04 47 01.5	I	*	04 47 22.2			75

05-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	044603.6	42 34	00 57	6	0.5	3.2		AIGUES TORTES.L

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTH	I	*	16 41 03.0	I	*	16 41 15.0			
LIS	I		16 41 12.7	I		16 41 23.0			
MOE	I	*	16 41 13.0	I	*	16 41 28.5			
COI	I		16 41 17.5			16 41 30.0			
MTE		=	16 41 27.5		=	16 41 47.5			
PTO	I	*	16 41 30.5	I		16 41 49.0			
MVO	E		16 41 35.5	I		16 42 04.0			
EPLA	E	=	16 41 47.8	E	=	16 42 16.0			112
EZAM	E		16 41 42.0			16 42 13.0			
EVAL	E	=	16 41 50.0	E	=	16 42 19.3	0.03	0.4	88
EHOR	E		16 41 52.0	E		16 42 30.5	0.03	0.6	104
ERUA	E		16 41 50.3	E		16 42 28.5	0.01	0.5	88
STS	E		16 41 52.8			16 42 30.0			
GUD	E		16 42 00.5	E		16 42 44.0	0.01	0.5	130

05-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	164100.1	39 26	-09 09	21	0.6	3.2	IV	CALDAS DA RAINHA.PORT

EZAM	I	16 45 49.3	E	16 45 52.0			20
STS	E	16 45 56.4	E	16 46 04.0	0.02	0.2	20
ERUA	I	16 46 03.0	I	16 46 15.0	0.02	0.3	34

05-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	164544.8	42 17	-08 25	5	0.5	2.7		MONDARIZ.PO

ALM	I	22 12 18.1	I	22 12 23.2			59
ENIJ	I	22 12 19.6	E	22 12 24.9	0.13	0.1	64
AFC	E	22 12 35.0	E	22 12 50.4	0.01	0.3	53
EVIA	E	= 22 12 51.0	E	= 22 13 16.0			64

08-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	221212.3	36 35	-02 14	10	0.3	2.9		S. CABO DE GATA

ENIJ	E	04 04 55.5					37
EALH	E	04 05 00.7			0.02	0.5	42
EVIA	E	04 05 11.0	E	04 05 28.3			65
APHE	E	* 04 05 11.0					
ASMO	I	04 05 12.7	E	* 04 05 32.0			
ACHM	E	04 05 13.0					
EBAN	E	04 05 15.3	E	04 05 35.7			37
ATEJ	I	04 05 16.5	E	* 04 05 42.5			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AAPN	I		04 05 17.2	E	*	04 05 40.0			
ALOJ	I	*	04 05 18.0	E	*	04 05 42.5			

12-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	040447.9	37 24	-02 04	5	0.4	2.6		ALBOX.AL

MTH	E		22 40 41.5	E		22 41 12.0			
MOE	I		22 40 44.5	E		22 41 17.0			
EVAL	E		22 40 55.3	E		22 41 35.5	0.02	0.3	98
AVE	I		22 41 07.5	I	*	22 41 56.0			
EJIM	E		22 41 09.5						90
MTE	E	*	22 41 11.0	E	*	22 41 57.5			
EHOR	I		22 41 12.0	E		22 42 05.5	0.01	0.3	120
EPLA	E		22 41 16.8	E		22 42 13.0			123
MVO	E	=	22 41 18.0	E	=	22 42 16.5			
AAPN	I		22 41 23.2						
ALOJ	I		22 41 23.7						
IFR	I	=	22 41 24.5	I	=	22 42 27.5			
ATEJ	I		22 41 25.2						
ACHM	E		22 41 27.0						
ASMO	E		22 41 28.0						
EBAN	I		22 41 28.3	E		22 42 34.0	0.01	0.3	137
APHE	I		22 41 28.8						
AFC	E		22 41 29.8				0.01	0.4	102
TIO	I	=	22 41 35.0	I	=	22 42 45.5			
GUD	E		22 41 37.7	E		22 42 50.5	0.01	0.3	140
EVIA	E		22 41 42.7	E		22 43 00.0			150

16-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	224001.7	36 44	-11 10	30	0.5	3.5		W. CABO S.VICENTE

ENIJ	I		16 24 12.4	I		16 24 16.9	0.07	0.2	62
ALOJ	E	*	16 24 22.0						
AFC	I		16 24 22.5	E		16 24 35.0	0.01	0.3	67
EALH	E		16 24 23.0	E		16 24 36.0			45
APHE	I		16 24 25.7						
ASMO	E		16 24 26.5	E	*	16 24 43.0			
ACHM	E		16 24 27.0						
EVIA	I		16 24 30.0	E		16 24 47.5			82
ATEJ	E		16 24 30.5						
EBAN	I		16 24 31.0	E		16 24 49.3	0.02	0.2	67
AAPN	E	*	16 24 32.2	E	*	16 24 52.5			

17-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	162405.8	37 18	-02 23	5	0.3	3.0		LAROYA.AL

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ENIJ	I		14 57 42.0	E		14 57 47.0	0.03	0.2	44
AFC	E		14 57 56.5						46
APHE	E		14 57 59.0						
EVIA	E		14 57 59.3	E		14 58 17.5			55
ASMO	E	=	14 58 01.0	E	=	14 58 20.0			
EBAN	I		14 58 03.5	E		14 58 24.7	0.01	0.2	36
AAPN	I	*	14 58 06.0	E	*	14 58 30.7			
ALOJ	E	*	14 58 06.0						

18-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	145734.3	37 13	-01 51	20	0.3	2.8		VERA.AL

ENIJ	I		03 26 16.2	E		03 26 21.1	0.03	0.2	43
AFC	E		03 26 27.0	E		03 26 41.0			30
APHE	E	*	03 26 29.2						
ASMO	E		03 26 31.0	E		03 26 47.0			
ACHM	E		03 26 31.5						
EVIA	I		03 26 33.7	E		03 26 51.0			55
EBAN	E		03 26 34.5	E		03 26 53.5	0.01	0.2	35
ATEJ	E		03 26 34.5						
AAPN	E		03 26 35.7	E	*	03 26 56.0			
ALOJ	E	*	03 26 36.5						

19-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	032609.9	37 18	-02 18	9	0.5	2.7		LAROYA.AL

TOL	E		12 54 56.0	E		12 55 05.5			30
GUD	I		12 54 58.1	E		12 55 08.9	0.04	0.1	120
PAB	I		12 55 03.0	I		12 55 17.5			70
EVIA	E		12 55 11.6	E		12 55 33.0			83
ECHE	E	=	12 55 18.0	E	=	12 55 41.8	0.01	0.2	60
EBAN	E		12 55 17.8	E		12 55 44.0	0.03	0.2	95
EPLA	E	=	12 55 23.2	E	=	12 55 50.4			93
EHOR	E	=	12 55 38.0	E	=	12 56 12.2			65
ASMO	E	*	12 55 36.6						
MVO	E	*	12 55 39.7	I	*	12 56 18.0			
ALOJ	E	*	12 55 43.2						
APHE	E	*	12 55 44.0						

19-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	125442.9	40 13	-03 14	5	0.2	3.2		VILLAREJO SALVANES.M

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ASMO	I		18 02 28.5	E		18 02 35.5			
AFC	E		18 02 29.0	E		18 02 36.4	0.02	0.1	60
EBAN	I		18 02 29.2	E		18 02 36.0	0.04	0.1	77
ACHM	E	*	18 02 30.0						
AAPN	I		18 02 34.2	E		18 02 44.5			
APHE	I		18 02 35.7	E		18 02 46.2			
ALOJ	I		18 02 36.2	E		18 02 49.0			
ATEJ	E		18 02 38.0						
EVIA	I		18 02 40.0	E		18 02 54.9			77
ENIJ	E		18 02 42.3	E		18 02 59.0	0.02	0.4	53
EHOR	E		18 02 46.9	E		18 03 05.7	0.02	0.2	64
GUD	E	=	18 03 14.2	E	=	18 03 49.0	0.01	0.3	63

19-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	180219.8	37 46	-03 22	5	0.5	3.0		BELMEZ MORALEDA.J

EVAL	I		13 56 16.5	E		13 56 23.3	0.03	0.3	40
EHOR	E		13 56 23.2	E		13 56 35.2	0.04	0.3	58
MOE	I		13 56 37.1	I	*	13 57 01.0			
AAPN	E		13 56 39.5						
ALOJ	I		13 56 41.0						
EBAN	E		13 56 41.3	E		13 57 06.3	0.02	0.4	55
ASMO	E	*	13 56 45.0						
ATEJ	E	*	13 56 46.0	E	*	13 57 11.0			
EPLA	E	=	13 56 46.5	E	=	13 57 12.7			55
MTE	E	=	13 56 56.2		=	13 57 28.0			
GUD	E		13 56 57.0	E		13 57 34.8	0.01	0.5	57
MVO	E		13 56 58.0	E	*	13 57 49.0			

21-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	135607.5	37 57	-06 20	5	0.2	2.9		CALA.H

ESCF	I		10 58 30.7	E		10 58 31.9			
JAU	I		10 58 31.2	E		10 58 32.6			
ATE	I		10 58 32.3	I		10 58 34.8			
EPF			10 58 40.2			10 58 49.8			
VIH			10 58 47.9		*	10 59 03.4			
ECRI	E	=	10 59 00.1	E	=	10 59 20.3	0.02	0.2	40
OLT		*	10 59 11.5		*	10 59 45.5			
CAF			10 59 11.5				0.01	0.3	
LGR	E	*	10 59 13.5	I	*	10 59 20.5			30

22-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	105829.4	43 02	-00 30	5	0.2	3.2	III	LARUNS.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
JAU	I		17 03 30.6	E		17 03 32.8			
ESCF	I		17 03 32.8	E		17 03 36.6			
EPF			17 03 35.6						
ISSF	I		17 03 35.9	E		17 03 42.4			
VIH			17 03 43.9			17 03 55.0			
AVN		=	17 03 54.2		=	17 04 13.5			
ECRI	E	=	17 04 01.3	E	=	17 04 23.5	0.02	0.3	56
LPO		*	17 04 03.4		*	17 04 28.7			
LFF		*	17 04 05.3		*	17 04 31.7			
MRB		=	17 04 07.8		=	17 04 35.4			
OLT		*	17 04 09.8		*	17 04 38.7			

22-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	170327.8	43 08	-00 12	5	0.3	3.2	IV	NAY.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CNIL	I	*	09 06 08.0	E	*	09 06 12.5			
PINR	I	*	09 06 08.5						
MOMI	I		09 06 17.5	E	*	09 06 23.5			
ALJ	I		09 06 19.0						
OJEN	I		09 06 20.5	E	*	09 06 30.0			
SRQ	E		09 06 21.0	E	*	09 06 28.0			
EJIM	I		09 06 21.3				0.06	0.2	73
GIBL	I	*	09 06 21.5						
EPRU	I		09 06 26.7	E		09 06 38.0	0.02	0.3	66
EVAL	I		09 06 31.9	E		09 06 47.7	0.02	0.2	58
EHOR	E		09 06 35.8	E		09 06 53.8	0.02	0.2	67
ALOJ	I		09 06 38.2						
ATEJ	I		09 06 38.2						
AAPN	I		09 06 39.5						
ACHM	E		09 06 41.2						
APHE	I		09 06 42.0						
ASMO	I		09 06 43.2						
AFC	I		09 06 45.3	E		09 07 10.0	0.01	0.2	66
EBAN	I		09 06 48.6	E		09 07 17.5	0.02	0.1	67
EVIA	I	=	09 07 03.0	E	=	09 07 42.4			
EPLA	I		09 07 05.2	I		09 07 45.0			76
GUD	E		09 07 16.7	E		09 08 04.7	0.01	0.3	80

23-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	090611.0	36 26	-06 03	23	0.4	3.1		CHICLANA FRONTERA.CA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LIS	I		23 29 43.4	I		23 30 14.3			
FAR	I		23 29 44.0	I		23 30 12.0			
MTH	I		23 29 45.8	I	*	23 30 18.3			
EVAL	I		23 29 58.0	E		23 30 39.0	0.06	0.2	173
CNIL	E		23 30 04.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
PINR	E		23 30 04.0						
COI	I		23 30 05.0	I	*	23 30 48.1			
GIBL	E		23 30 06.0						
MOMI	E		23 30 09.0						
AVE	I	*	23 30 09.0	I	*	23 30 57.0			
ALJ	E		23 30 10.5						
MTE			23 30 11.2			23 31 03.5			
EJIM	I		23 30 11.9	E		23 31 03.0	0.05	0.4	163
OJEN	E		23 30 12.0						
SRQ	E		23 30 12.5						
EPRU	E		23 30 13.7	E		23 31 07.0	0.03	0.4	158
EHOR	E		23 30 14.5	E		23 31 08.0	0.04	0.3	181
PTO			23 30 14.6			23 31 09.3			
EPLA	I		23 30 20.0	E		23 31 17.7			151
MVO	I	=	23 30 22.0	I	=	23 31 22.5			
MAL	I		23 30 23.8	I		23 31 23.2	0.11	0.6	115
AAPN	I		23 30 26.0	E		23 31 28.0			
ALOJ	I		23 30 26.2	E		23 31 27.5			
IFR	I	*	23 30 26.5	I	*	23 31 28.0			
ATEJ	I		23 30 27.4	E	*	23 31 28.0			
ACHM	E		23 30 29.5	E	*	23 31 30.0			
ASMO	I		23 30 30.0	E		23 31 35.0			
PAB	I		23 30 31.2	E	*	23 31 36.0			180
APHE	I		23 30 31.4	E	*	23 31 32.5			
AFC	E		23 30 32.5	E		23 31 39.6	0.01	0.3	130
TIO	I	*	23 30 35.5	I	*	23 31 45.9			
TOL	I		23 30 36.0	E		23 31 47.0	0.04	0.9	180
ERUA	I		23 30 37.1	E		23 31 47.9	0.02	0.4	166
STS	I		23 30 37.7	E		23 31 47.8	0.02	0.5	130
GUD	I		23 30 41.1	E		23 31 55.0	0.01	0.3	196
EVIA	E	=	23 30 45.0	E	=	23 32 03.0			241

23-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	232903.3	36 47	-11 02	5	0.6	3.9		W. CABO S.VICENTE

CNIL	I	03 36 00.0						
PINR	I	03 36 01.0						
MOMI	I	03 36 02.5						
GIBL	I	03 36 03.5						
ALJ	I	03 36 04.5						
OJEN	I	03 36 05.0						
SRQ	I	03 36 06.0						
EJIM	I	03 36 06.0						322
EPRU	I	03 36 10.6						306
EVAL	I	03 36 10.9						347
FAR	I	03 36 12.0	I	03 36 28.2				
MAL	I	03 36 16.8	I	03 36 39.2	1.88	0.8	180	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EHOR	I		03 36 18.1	I		03 36 38.3			350
ATEJ	I		03 36 21.4	E	*	03 36 42.0			
ALOJ	I		03 36 22.3	E	*	03 36 41.0			
AAPN	I		03 36 23.5	E		03 36 46.2			
APHE	I		03 36 24.5	E	*	03 36 43.7			
ACHM	I		03 36 25.2	E	*	03 36 43.0			
ASMO	I		03 36 27.0	E	*	03 36 51.5			
CRT	I		03 36 28.0						
AFC	I		03 36 28.6	I		03 36 58.0	0.09	0.1	322
IFR	I	*	03 36 31.0	I	*	03 37 03.0			
EBAN	I		03 36 32.3	E		03 37 03.0			319
AVE	I	*	03 36 32.5	I	*	03 37 04.5			
LIS	I		03 36 36.7	I		03 37 11.8			
ALM	I		03 36 37.7	I	*	03 37 36.7			135
MTH	I		03 36 38.5	I		03 37 15.5			
ENIJ	I		03 36 40.4	E		03 37 18.8	0.08	0.5	251
PAB	I		03 36 43.0	I		03 37 22.0			350
EPLA	I		03 36 45.3	E		03 37 25.3			313
EVIA	I		03 36 46.6						368
TOL	I		03 36 48.8	E	*	03 37 27.0	0.47	0.8	300
MTE			03 36 49.4			03 37 34.8			
COI	I		03 36 50.3	I		03 37 36.8			
EALH	I		03 36 52.0						264
GUD	I		03 36 58.0	I		03 37 48.0	0.09	0.3	298
MVO	I		03 36 58.5	I		03 37 52.0			
PTO	I		03 37 02.0						
ACU	E		03 37 05.0	E		03 38 03.3			180
ECHE	E		03 37 07.6	I		03 38 06.0	0.04	0.3	270
ERUA	I		03 37 17.0	E		03 38 21.8	0.04	0.2	277
STS	I		03 37 25.6	E		03 38 36.8			235
EROQ	I		03 37 29.3	E		03 38 45.0	0.04	0.5	287
LGR	I	*	03 37 29.0	I	*	03 38 21.5			300
EBR	I		03 37 30.0	E		03 38 46.0			
ECRI	E		03 37 30.0	E		03 38 45.0	0.09	0.3	279
VIH			03 37 49.0						
OLT			03 37 57.6						

25-OCT	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	033549.5	36 22	-06 30	66	0.7	4.2		SW. CADIZ

EVAL	I		13 45 24.5	E		13 45 31.0	0.02	0.2	37
EHOR	E		13 45 30.9	E		13 45 42.1	0.05	0.2	66
EPRU	E		13 45 39.5						41
MOE	E		13 45 45.5	I		13 46 08.4			
MTE	E	*	13 45 45.5	E	*	13 46 38.5			
AAPN	E		13 45 47.0						
ALOJ	I		13 45 48.7						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBAN	I		13 45 49.0	E		13 46 14.5	0.02	0.2	49
ASMO	E		13 45 51.0						
ATEJ	E		13 45 51.0						
EPLA	E		13 45 52.5	E		13 46 18.7			67
APHE	E	*	13 45 57.0						
MVO	E	*	13 46 05.0	E	*	13 46 57.0			
GUD	E	=	13 46 14.8	E	=	13 46 51.8	0.01	0.3	75

03-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	134515.9	37 54	-06 18	5	0.4	2.9		CALA.H

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TEC	I		02 59 14.5	I	*	02 59 33.0			
ENIJ	I	=	02 59 18.7	E	=	02 59 39.0	0.06	0.1	232
ALM	E	=	02 59 20.2	I	=	02 59 41.1			160
AFC	E		02 59 35.0				0.01	0.3	220
APHE	I		02 59 35.0						
ASMO	I		02 59 38.2						
ATEJ	I		02 59 38.5						
EVIA	E		02 59 40.8	E		03 00 15.5	0.03	0.4	203
ALOJ	I		02 59 41.0						
EBAN	E		02 59 44.2	E		03 00 22.3	0.01	0.3	195
EROQ	E		03 00 06.8						237
GUD	E		03 00 13.8				0.01	0.5	237
ABA	E	*	03 00 15.0						

04-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	025854.1	35 56	-00 37	20	0.3	3.5		N. ORAN

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
FUL	I		07 05 31.2	I	*	07 05 57.3			
LIS	I		07 06 24.2	I	*	07 07 28.4			
MTH	I		07 06 25.2	I	*	07 07 30.0			
CTFE	I		07 06 25.7	I	*	07 07 36.7			
TBT	I		07 06 26.5	I	*	07 07 37.5			
GGC	E	*	07 06 28.5	I	*	07 07 44.2			
CFTV	I		07 06 28.5	I	*	07 07 44.2			
MOE	I		07 06 30.0	I	*	07 07 39.3			
AVE	I		07 06 36.0	I	*	07 07 48.0			
CVVD	E		07 06 39.2	I	*	07 07 56.2			
EVAL	E		07 06 42.3	E	*	07 07 59.8	0.03	0.2	171
COI	I		07 06 43.0	I	*	07 08 02.0			
CNIL	E		07 06 48.0						
PINR	E	*	07 06 48.5						
MTE	E		07 06 50.0	I	*	07 08 15.5			
PTO			07 06 51.1	I	*	07 08 08.7			
TIO	I		07 06 51.2	I	*	07 08 17.4			
OJEN	E		07 06 53.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MOMI	E	*	07 06 53.0						
EJIM	E		07 06 54.1	E	*	07 08 21.5	0.04	0.3	177
EPRU	E		07 06 56.5	E	*	07 08 26.2	0.04	0.5	183
IFR	I		07 06 59.0	I	*	07 08 28.0			
EHOR	E		07 06 59.0	E	*	07 08 30.0	0.02	0.4	190
EZAM	E		07 07 00.2	E	*	07 08 31.5	0.01	0.3	126
MVO	I	*	07 07 00.3	I	*	07 08 32.0			
EPLA	E		07 07 01.4	E	*	07 08 35.5			249
STS	E		07 07 09.0	E	*	07 08 47.3			132
ERUA	E		07 07 12.8	E	*	07 08 54.5			166
EBAN	E		07 07 15.0	E	*	07 08 58.7	0.02	0.3	208
AFC	E		07 07 16.3	E	*	07 09 00.8	0.02	0.4	172
TOL	E		07 07 19.0	E	*	07 09 13.0	0.03	0.9	200
GUD	E		07 07 23.3	E	*	07 09 14.2	0.01	0.3	219
EVIA	E		07 07 30.4	E	*	07 09 26.6			228

04-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	070449.1	35 07	-15 52	5	0.8	4.2		ATLANTICO

ESCF	I		13 01 37.3	E	*	13 01 40.5			
ATE	I		13 01 37.4	I		13 01 40.9			
ELYF	I		13 01 40.6	E		13 01 47.2			
EPF			13 01 47.0			13 01 57.1			
VIH			13 01 52.8						
ECRI	E		13 02 00.8	E		13 02 19.7	0.02	0.2	49
LGR	E		13 02 01.0	I		13 02 20.5			60
AVN		=	13 02 01.2		=	13 02 21.0			
OLT		*	13 02 15.5						
EROQ	E	=	13 02 17.0	E	=	13 02 44.5	0.01	0.3	56

05-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	130135.1	43 02	-00 33	12	0.6	3.1		ACCOUX.FR

ESCF	I		19 14 57.9	E	*	19 15 01.2			
ATE	I		19 14 58.1	E		19 15 01.4			
MADF	I		19 14 59.8	E		19 15 04.9			
EPF			19 15 07.6			19 15 17.7			
VIH			19 15 13.6						
ECRI	E		19 15 22.1	E		19 15 40.5	0.01	0.2	41
LGR	I		19 15 23.0	I		19 15 42.5			65
LPO		*	19 15 35.1		*	19 16 04.4			
LFF		*	19 15 35.3		*	19 16 05.9	0.01	0.3	

05-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	191455.8	42 59	-00 32	6	0.6	2.9		ACCOUX.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ESCF	I		22 44 01.1	E		22 44 4.4			
ATE	I		22 44 01.2	E		22 44 4.8			
BOH	I		22 44 03.7	E		22 44 9.1			
EPF		=	22 44 15.3		=	22 44 25.8			
VIH		*	22 44 16.5						
ECRI	I		22 44 24.2	E		22 44 42.0	0.15	0.2	162
AVN			22 44 24.5			22 44 45.1			
LGR	I		22 44 25.0	I	*	22 44 45.5			180
LPO			22 44 33.8				0.10	0.4	
LFF			22 44 35.2				0.23	0.5	
MRB			22 44 36.1						
EBR	E		22 44 37.0	E	*	22 45 10.0			
EROQ	E		22 44 37.0	E		22 45 04.0	0.11	0.3	156
FBR			22 44 40.3		*	22 45 46.0			
CAF			22 44 41.6		*	22 45 18.6	0.03	0.2	
GUD	E		22 44 52.3	E		22 45 32.5	0.03	0.5	199
TOL	E	*	22 45 02.5	I		22 45 44.0	0.08	0.6	160
PAB	E		22 45 04.0	I		22 45 53.5			
ERUA	E		22 45 11.0	E		22 46 05.0			135
MVO	E		22 45 12.7	E		22 46 10.2			
MTE	E		22 45 25.3		*	22 46 33.0			
MOE	E		22 45 44.5	E		22 47 04.7			

05-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	224359.1	42 58	-00 41	8	0.8	3.8	IV	ACCOUX.FR

EHOR	I		23 21 09.4						
AAPN	I		23 21 10.4	E	*	23 21 17.0			
ALOJ	I		23 21 13.9	E		23 21 23.2			
ASMO	I		23 21 14.5	E	*	23 21 23.2			
EBAN	I		23 21 14.7						
ACHM	I		23 21 16.5	I	*	23 21 30.0			
ATEJ	I		23 21 17.1	E		23 21 30.0			
EPRU	I		23 21 17.7	E		23 21 30.0	0.19	0.3	
AFC	I		23 21 18.0	E		23 21 31.5	0.11	0.2	
MAL	I		23 21 18.5	I		23 21 31.6	1.16	0.7	80
CRT	I		23 21 18.5	E	*	23 21 29.5			
APHE	I		23 21 19.1	E		23 21 33.6			
EVAL	I		23 21 28.9	E		23 21 51.0	0.21	0.3	
EJIM	E	=	23 21 28.0	E	=	23 21 46.8	0.14	0.3	
PAB	E		23 21 30.0	I	*	23 21 50.0			
EVIA	E		23 21 31.7	E		23 21 55.0			
PINR	E	*	23 21 34.0						
MOMI	E	*	23 21 34.0						
ENIJ	I		23 21 34.8	E		23 21 59.8	0.04	0.3	
CNIL	E	*	23 21 36.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
OJEN	E	*	23 21 36.0						
TOL	E		23 21 36.0				0.28	0.6	
ALM	I	*	23 21 36.0	I	*	23 22 24.8			
EALH	E		23 21 40.6	E		23 22 10.5	0.09	0.6	
EPLA	E		23 21 41.4	E		23 22 13.0			
GUD	E		23 21 46.5	E		23 22 21.0	0.07	0.3	
MOE	E		23 21 47.2	I		23 22 24.0			
FAR	E	=	23 21 53.0	E	=	23 22 26.0			
MTE	E		23 21 55.0	E	*	23 22 33.5			
MTH	E		23 21 58.2	I		23 22 41.8			
MVO	I	=	23 21 58.2	I	=	23 22 42.2			
IFR	I	*	23 22 07.0	I	*	23 22 49.0			
LIS	I	*	23 22 07.9	I	*	23 22 29.2			
PTO	E		23 22 09.7						
COI	I	*	23 22 12.0	I		23 22 43.0			
AVE	I	*	23 22 20.0	I		23 23 11.0			

05-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	232100.3	37 43	-04 36	6	0.4	3.8	IV	SANTA CRUZ.CO

EHOR	I		23 22 28.2	E		23 22 35.0			
AAPN	E		23 22 29.7	E	*	23 22 36.2			
ALOJ	E		23 22 32.7	E		23 22 42.5			
ASMO	E		23 22 33.7	E	*	23 22 43.5			
EBAN	E		23 22 34.2						
ACHM	E		23 22 34.7	E	*	23 22 45.2			
ATEJ	E		23 22 36.5	E	*	23 22 47.5			
CRT	E		23 22 37.0	E	*	23 22 48.2			
AFC	E		23 22 37.0	E		23 22 51.3	0.09	0.2	
MAL	I		23 22 37.0	I		23 22 50.5	0.50	0.4	55
EPRU	E	=	23 22 37.3	E	=	23 22 49.2	0.07	0.2	
APHE	E		23 22 39.2	E		23 22 52.5			
EVAL	E	=	23 22 50.2	E	=	23 23 11.8	0.08	0.2	
PAB	I	=	23 22 53.5	I	=	23 23 17.5			
ALM	I	=	23 22 55.5	I	=	23 23 19.8			72
ENIJ	E	=	23 22 57.5	E	=	23 23 23.5			
TOL	E	=	23 22 59.5	I	=	23 23 26.5	0.08	0.8	
EPLA	E	=	23 23 08.5	I	=	23 23 40.0			

05-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	232219.3	37 42	-04 39	5	0.3	3.3		SANTA CRUZ.CO

MADF	I		05 43 43.4	E		05 43 51.8			
ATE	I		05 43 44.6	E		05 43 53.8			
ESCF	I		05 43 46.2	E		05 43 57.8			
ECRI	I		05 43 48.0	E		05 43 59.3	0.08	0.2	66

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LGR	I		05 43 49.6	I		05 44 02.5			80
EPF			05 43 58.8			05 44 18.0			
VIH			05 44 04.5						
AVN		*	05 44 10.8						
LFF			05 44 14.2			05 44 44.9			
RJF			05 44 22.6			05 45 00.3	0.01	0.2	
CAF			05 44 23.6			05 45 01.2	0.01	0.2	
EROQ	I	=	05 44 23.3	E	=	05 44 56.0			84
MRB		*	05 44 26.0		*	05 45 05.5			
GUD	E	=	05 44 30.3	E	=	05 45 07.5	0.01	0.4	83

06-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	054333.2	43 05	-01 36	5	0.4	3.2		ALMANDOZ.NA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AVN			12 26 58.7						
VIH			12 27 04.0						
EPF			12 27 09.6		*	12 27 26.1			
EROQ	E		12 27 14.4	E		12 27 30.9	0.02	0.3	47
EBR	E		12 27 15.0	E		12 27 33.0			
MRB			12 27 15.4			12 27 33.8			
FBR			12 27 19.5						
OLT		*	12 27 22.0		*	12 27 45.0			

06-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	122651.8	42 04	00 13	5	0.6	2.8		ESTADILLA.HU

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MADF	I		01 31 19.2	E		01 31 21.0			
ESCF	I		01 31 19.2	E		01 31 21.3			
ELYF	I		01 31 21.1	E		01 31 24.5			
EPF			01 31 31.4						
VIH			01 31 38.5			01 31 54.2			
ECRI	I		01 31 43.0	E		01 32 03.0	0.07	0.2	70
LGR	E	*	01 31 45.7	I		01 32 04.6			100
AVN		=	01 31 47.7		=	01 32 10.0			
LPO		*	01 31 56.5		*	01 32 24.6	0.03	0.4	
MRB		=	01 32 02.3		=	01 32 32.4			
OLT		*	01 32 04.5		*	01 32 37.7			
EROQ	E	=	01 32 04.7	E	=	01 32 34.8	0.02	0.3	95
EBR	E	*	01 32 06.0	E	*	01 32 35.0			
LSF			01 32 11.2			01 32 51.0	0.01	0.3	
GUD	E		01 32 13.2	E		01 32 55.0	0.01	0.4	100

07-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	013117.1	43 11	-00 40	5	0.3	3.3	IV	OLORON-STE.MARIE.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECRI	I		11 08 08.5	E		11 08 22.0			167
LGR	E		11 08 10.5	I		11 08 25.5			200
MADF	E		11 08 25.2						
ISSF	E		11 08 25.2	E	*	11 08 52.7			
GUD	E		11 08 29.3	E		11 08 57.4	0.06	0.2	246
ERUA	E		11 08 32.1	E		11 09 02.7	0.08	0.3	203
EPF			11 08 36.9			11 09 11.3	0.04	0.3	
MVO	I	=	11 08 37.0	I	=	11 09 13.0			
TOL	E		11 08 40.5				0.58	0.2	175
VIH			11 08 41.3						
AVN		*	11 08 42.2						
EPLA	E		11 08 43.5	E		11 09 23.0			211
LFF		*	11 08 44.0		*	11 09 20.8	0.07	0.4	
STS	E		11 08 45.0	E		11 09 25.4			132
LPO		*	11 08 47.0		*	11 09 28.7	0.06	0.5	
EROQ	E	=	11 08 47.0	E	=	11 09 29.5	0.06	0.3	165
PAB	E	=	11 08 47.0	E	=	11 09 28.0			225
EZAM	E		11 08 48.5	E		11 09 31.5	0.03	0.3	121
MFF		*	11 08 51.9		*	11 09 37.5	0.02	0.2	
PTO	I		11 08 52.3	I	*	11 09 58.5			
MRB		*	11 08 57.8		*	11 09 43.5			
FBR		=	11 08 58.3		=	11 09 50.0			
OLT			11 08 59.2						
EBR	E	*	11 09 05.0	E	*	11 09 46.0			
MTE	E	*	11 09 06.2	I	*	11 09 52.0			

07-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	110751.1	43 04	-03 43	13	0.4	3.9	IV	SOTOSCUEVA.BU

PAB	I		19 29 20.0	I		19 29 35.0			55
EVIA	I		19 29 21.1	E		19 29 38.0	0.06	0.2	85
GUD	I		19 29 21.5	I		19 29 37.3	0.01	0.2	63
EBAN	E	=	19 29 32.0	E	=	19 29 55.2	0.01	0.2	67
EPLA	E	=	19 29 45.5	E	=	19 30 15.7			45

10-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	192858.5	39 51	-02 55	5	0.4	3.0		HORCAJO SANTIAGO.CU

ESCF	I		07 15 28.5	E		07 15 32.9			
ATE	I		07 15 30.2	E		07 15 35.8			
EPF			07 15 30.3			07 15 35.9			
BOH	I		07 15 34.6	E		07 15 43.1			
VIH			07 15 38.0			07 15 48.9			
AVN			07 15 49.0			07 16 08.0			
LPO			07 15 54.0						
LFF			07 15 55.8						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ECRI	I	=	07 15 55.9	E	=	07 16 19.0			158
LGR	E	=	07 15 57.3	I	=	07 16 20.5			180
OLT		=	07 16 03.7		=	07 16 30.3			
MRB		=	07 16 01.9		=	07 16 29.0			
CAF			07 16 02.0				0.08	0.2	
EROQ	E	=	07 16 06.0	E	=	07 16 34.5	0.08	0.2	135
EBR	E	=	07 16 07.0	E	=	07 16 35.0			
GUD	E		07 16 23.3	E		07 17 07.0	0.02	0.3	168
PAB	E		07 16 34.0	E		07 17 27.5			150
ERUA	E		07 16 41.3	E		07 17 40.0	0.01	0.5	120
MVO	E		07 16 42.8	I		07 17 45.0			
EPLA	E		07 16 45.0	E		07 17 43.4			150
EBAN	E		07 16 46.0	E		07 17 49.6			160

11-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	071523.2	43 06	-00 10	5	0.6	3.9	IV-V	ST.PE-DE-BIGORRE.FR

ENIJ	I		12 34 07.8	E		12 34 14.6	0.07	0.2	68
EALH	E		12 34 08.7	E		12 34 16.6	0.03	0.3	61
ALM	E	*	12 34 15.1	I		12 34 21.6			28
EVIA	E		12 34 20.8	E		12 34 38.0	0.09	0.3	97
AFC	E		12 34 21.2	E		12 34 38.8	0.02	0.3	66
APHE	I		12 34 24.7						
ASMO	I	=	12 34 25.0	E	=	12 34 44.5			
ACHM	E		12 34 26.0						
EBAN	I		12 34 26.7	E		12 34 47.3	0.02	0.2	58
ATEJ	I	*	12 34 29.0						
AAPN	I	=	12 34 30.0	E	=	12 34 53.0			
ALOJ	I	=	12 34 30.7	E	=	12 34 53.0			

11-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	123358.1	37 27	-01 55	5	0.4	3.0		HUERCAL-OVERA.AL

ESCF	I		01 33 18.5	E		01 33 22.8			
ATE	I		01 33 20.1	E		01 33 25.9			
EPF			01 33 20.4			01 33 25.8			
ISSF	I		01 33 21.6	E		01 33 28.3			
VIH			01 33 28.3		*	01 33 38.7			
AVN			01 33 39.0			01 33 58.8			
LPO			01 33 43.9				0.06	0.2	
ECRI	E	=	01 33 45.5	E	=	01 34 08.7	0.06	0.2	70
LGR	E	=	01 33 47.5	I	=	01 34 11.0			125
LFF			01 33 45.8				0.15	0.3	
MRB			01 33 49.7						
OLT		*	01 33 51.6						
CAF			01 33 51.8				0.03	0.2	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBR	E		01 33 53.0	E	*	01 34 27.0			
EROQ	E	=	01 33 56.0	E	=	01 34 25.2	0.04	0.3	80
GUD	E		01 34 13.2	E		01 34 58.7	0.01	0.4	100
TOL	E		01 34 20.0						

12-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	013313.2	43 10	-00 10	5	0.3	3.6	IV-V	NAY.FR

EVAL	I		14 16 45.0	E		14 16 52.8	0.02	0.3	53
EHOR	E		14 16 51.5	E		14 17 03.5	0.04	0.2	51
MOE	I		14 17 06.0	I	*	14 17 29.0			
AAPN	E		14 17 07.7	E	*	14 17 35.5			
ALOJ	E		14 17 09.0	E	*	14 17 38.5			
EBAN	I		14 17 09.9	E		14 17 34.8	0.02	0.3	59
ATEJ	E		14 17 11.5						
EPLA	E	=	14 17 15.0	E	=	14 17 41.0			45
ASMO	E	*	14 17 13.5						
EVIA	E		14 17 24.4	E		14 18 01.0			83
MTE	E	=	14 17 25.0	E	=	14 17 55.5			
MVO	I		14 17 26.0						
GUD	E	=	14 17 35.5	E	=	14 18 13.0	0.01	0.3	73

12-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	141636.0	37 59	-06 19	5	0.4	2.9		CALA.H

EHOR	I		00 56 33.9	E		00 56 41.0	0.16	0.1	135
AAPN	I		00 56 35.1	E		00 56 41.5			
ALOJ	I		00 56 38.2	E		00 56 47.5			
ASMO	I		00 56 39.0	E		00 56 50.0			
EBAN	E		00 56 39.5	E		00 56 50.0			
ATEJ	I		00 56 41.5	E		00 56 55.2			
EPRU	I		00 56 42.1	E		00 56 54.6	0.05	0.4	106
AFC	I		00 56 42.2	E		00 56 54.8	0.04	0.2	127
MAL	E		00 56 43.0	I		00 56 56.7	0.22	0.6	71
APHE	I		00 56 44.5	E	*	00 56 56.2			
GIBL	E		00 56 50.5						
EVAL	E		00 56 55.2	E		00 57 16.7	0.04	0.3	104
EVIA	I		00 56 55.7	E		00 57 19.2	0.09	0.2	160
MOMI	E	*	00 56 57.0						
PAB	I	=	00 56 58.5	I	=	00 57 21.5			130
ENIJ	E		00 56 59.2				0.01	0.3	101
PINR	E	*	00 57 00.0						
PLAT	E	*	00 57 02.0						
OJEN	E	*	00 57 03.0						
TOL	E	*	00 57 06.0	E	*	00 57 35.0	0.08	0.3	75
GUD	I		00 57 11.5	E		00 57 47.0	0.03	0.5	162

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPLA	E	=	00 57 13.5	E	=	00 57 45.0			120
MOE	E	*	00 57 19.0	I	*	00 58 04.0			
MTE	E	*	00 57 28.5	E	*	00 58 11.0			
MVO	E	*	00 57 35.5	E	*	00 58 25.5			

13-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	005625.0	37 43	-04 35	5	0.6	3.3	III	SANTA CRUZ.CO

EHOR	I		01 08 55.0	E		01 09 02.0	0.12	0.1	100
AAPN	I		01 08 56.4	E	*	01 09 02.7			
ALOJ	I		01 08 59.5	E	*	01 09 08.5			
ASMO	I		01 09 00.5	E		01 09 11.0			
ATEJ	I		01 09 03.0	E		01 09 16.2			
EPRU	E		01 09 03.6	E		01 09 16.0	0.02	0.3	80
AFC	I		01 09 04.0	E		01 09 17.0	0.03	0.2	94
CRT	E		01 09 04.0						
MAL	E		01 09 04.5	I		01 09 18.0	0.11	0.6	42
APHE	I		01 09 05.0	E	*	01 09 18.0			
GIBL	E	*	01 09 15.0						
EVAL	E	=	01 09 16.5	E	=	01 09 38.0	0.02	0.3	71
EVIA	I		01 09 17.1	E		01 09 40.5	0.06	0.2	110
MOMI	E	*	01 09 19.0						
PAB	I	=	01 09 20.5	I	=	01 09 43.0			75
ENIJ	E		01 09 20.7				0.01	0.5	78
TOL	E	*	01 09 27.5	E	*	01 09 56.0			70
PINR	E	*	01 09 30.0						
EPLA	E	=	01 09 34.3	E	=	01 10 05.4			83
GUD	I	=	01 09 40.5	E	=	01 10 15.0	0.02	0.5	120
MOE	E	*	01 09 41.0	E		01 10 09.0			
MVO	E	*	01 09 57.4	I	*	01 10 28.0			

13-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	010845.8	37 45	-04 36	6	0.4	3.1	III	SANTA CRUZ.CO

EHOR	I		02 13 50.3	E		02 13 57.5	0.23	0.1	150
AAPN	I		02 13 51.6	E		02 13 58.2			
ALOJ	I		02 13 55.0	E		02 14 04.0			
ASMO	I		02 13 55.9	E		02 14 06.5			
EBAN	E		02 13 56.0						
ATEJ	I		02 13 58.5	E		02 14 12.2			
EPRU	I		02 13 59.0	E		02 14 11.0	0.05	0.3	109
AFC	I		02 13 59.3	E		02 14 12.5	0.06	0.2	131
CRT	E		02 13 59.5						
MAL	I		02 14 00.0	I		02 14 13.2	0.34	0.5	72
APHE	I		02 14 00.5	E	*	02 14 13.5			
GIBL	E		02 14 08.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVAL	I		02 14 12.0	E		02 14 33.5	0.04	0.2	105
EVIA	I		02 14 12.7	E		02 14 36.0	0.11	0.2	167
MOMI	E	*	02 14 14.0						
PAB	E		02 14 14.0	E	*	02 14 31.0			120
PINR	E	*	02 14 16.0						
ENIJ	E		02 14 16.0				0.02	0.3	123
PLAT	E	*	02 14 17.0						
OJEN	E	*	02 14 17.0						
TOL	E		02 14 18.0						100
GUD	I		02 14 28.5	E		02 15 03.0	0.03	0.4	163
EPLA	E	=	02 14 30.0	E	=	02 15 01.5			136
MOE	E	*	02 14 36.0	I		02 15 07.0			
MVO	E	=	02 14 39.5	I	=	02 15 23.5			
MTE	E	=	02 14 47.0		=	02 15 27.6			

13-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	021341.8	37 43	-04 35	5	0.7	3.3	IV	SANTA CRUZ.CO

PAB	I		03 09 48.5	E		03 10 03.0			40
GUD	I		03 09 49.4	E		03 10 05.0	0.02	0.2	52
EVIA	I		03 09 50.6	E		03 10 07.0	0.03	0.2	78
EBAN	E	=	03 10 01.5	E	=	03 10 24.0			

13-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	030928.5	39 52	-02 58	15	0.2	3.0		HORCAJO SANTIAGO.CU

EZAM	I		02 13 25.5	E		02 13 28.0	0.09	0.1	32
STS	E		02 13 32.4	E		02 13 40.2	0.02	0.2	25
ERUA	E		02 13 39.3	E		02 13 51.3	0.02	0.3	35

15-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	021321.0	42 17	-08 26	5	0.5	2.6		MONDARIZ.PO

MAL	I		18 05 12.5	I		18 05 18.6	0.59	0.3	30
ATEJ	I		18 05 15.0	E	*	18 05 17.3			
ALOJ	I		18 05 16.2	E	*	18 05 19.5			
APHE	I		18 05 18.0	E	*	18 05 22.0			
ACHM	I		18 05 18.6	E	*	18 05 21.2			
ASMO	I		18 05 21.2						
AFC	I		18 05 22.0	E		18 05 34.7	0.01	0.2	46
EHOR	E	*	18 05	E		18 05 40.8	0.01	0.2	58
EBAN	E		18 05 29.5	E		18 05 47.4	0.02	0.1	70

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVAL	I		18 05 34.4	E		18 05 56.5	0.02	0.2	52
EVIA	E		18 05 42.0	E		18 06 10.2	0.02	0.1	73

15-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	180504.0	36 43	-04 34	60	0.5	3.0		MALAGA

EPRU	I		05 26 59.9	E		05 27 03.5	0.12	0.2	82
GIBL	I	*	05 27 06.0						
PINR	E	*	05 27 12.0						
OJEN	E		05 27 12.0	E		05 27 22.0			
CNIL	E	*	05 27 13.0	E	*	05 27 21.0			
SRQ	E	*	05 27 14.0	E	*	05 27 30.0			
EHOR	E		05 27 14.1	E		05 27 26.5	0.04	0.2	67
MAL	E	*	05 27 15.5	I	*	05 27 30.4	0.08	0.7	38
ALOJ	I		05 27 18.5	E	*	05 27 36.5			
EVAL	E		05 27 19.0	E		05 27 35.5	0.02	0.3	60
AAPN	I	=	05 27 19.1	E	=	05 27 35.0			
ATEJ	I	*	05 27 20.1	E		05 27 35.0			
ASMO	E		05 27 23.0						
APHE	I	*	05 27 24.5						
AFC	E		05 27 25.2				0.01	0.4	75
EBAN	E		05 27 28.5	E		05 27 51.8	0.02	0.2	57
EPLA	E	*	05 27	E		05 28 25.2			

17-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	052657.0	36 54	-05 29	5	0.4	3.1		PUERTO SERRANO.CA

ENIJ	E		22 14 29.9	I		22 14 35.0	0.05	0.3	43
EALH	E		22 14 38.9	E		22 14 50.5			
AFC	E		22 14 41.0	E		22 14 56.0			51
APHE	I		22 14 44.5						
ASMO	I		22 14 45.0	E	*	22 15 02.5			
EVIA	E		22 14 46.3	E		22 15 03.0	0.02	0.2	62
ACHM	E	*	22 14 47.0						
EBAN	I		22 14 48.2	E		22 15 07.5	0.01	0.2	41
ATEJ	E	*	22 14 50.0						
AAPN	I	*	22 14 50.2	E	*	22 15 12.0			
ALOJ	I	*	22 14 51.0						

19-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	221423.3	37 20	-02 16	10	0.4	2.9		MACAEL.AL

LIS	I		07 30 46.7	I		07 31 16.1			
MTH	I		07 30 48.7	I		07 31 18.5			
MOE	I		07 30 51.7	I		07 31 24.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVAL	I		07 31 03.0	I		07 31 43.5	0.08	0.4	110
COI	I		07 31 08.1	I		07 31 52.0			
CNIL	E		07 31 11.0						
PLAT	E	*	07 31 12.0						
MOMI	E		07 31 14.0						
SRQ	E	*	07 31 14.0						
MTE	E		07 31 14.5	E		07 32 05.2			
EPRU	E		07 31 19.0	E		07 32 12.0	0.06	0.8	110
OJEN	E	*	07 31 20.0						
EPLA	I		07 31 23.7	E		07 32 20.0			125
MVO	I	=	07 31 25.0	I	=	07 32 23.0			
EZAM	E	=	07 31 29.0	E	=	07 32 30.0	0.04	0.3	105
AAPN	I		07 31 31.2	E		07 32 33.5			
ALOJ	I		07 31 32.5	E	*	07 32 32.0			
ATEJ	I		07 31 33.0	E	*	07 32 32.0			
ACHM	E		07 31 35.5	E		07 32 38.5			
ASMO	I		07 31 35.6	E	*	07 32 39.0			
EBAN	I		07 31 35.7	E		07 32 41.8	0.03	0.3	135
APHE	I		07 31 36.5						
AFC	E		07 31 37.5	E		07 32 45.5	0.01	0.3	120
GUD	E		07 31 44.9	E		07 32 57.5	0.01	0.3	165
EVIA	E	=	07 31 50.0	E	=	07 33 07.5	0.06	0.8	180

24-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	073008.8	36 53	-11 11	17	0.5	3.8		W. CABO S.VICENTE

ALM	I		19 04 05.2	I	*	19 04 8.7			60
ENIJ	I		19 04 07.3	E		19 04 12.0	0.17	0.1	65
APHE	I		19 04 21.0	E		19 04 35.5			
AFC	E		19 04 21.7	E		19 04 34.5	0.01	0.2	40
ATEJ	I		19 04 24.5	E	*	19 04 40.5			
ACHM	I		19 04 24.5						
ASMO	I		19 04 25.5						
ALOJ	I		19 04 27.2						
AAPN	E	*	19 04 30.0						
EBAN	E	=	19 04 38.3	E	=	19 05 00.4	0.01	0.3	45
EVIA	E	=	19 04 39.5	E	=	19 05 03.0	0.04	0.7	55

24-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	190402.6	36 45	-02 25	9	0.5	2.8		GOLFO DE ALMERIA

EHOR	E		09 35 49.6	E		09 35 56.8	0.03	0.2	63
AAPN	I		09 35 51.0	E	*	09 35 58.5			
ALOJ	I		09 35 54.5	E	*	09 36 03.5			
ASMO	I		09 35 55.0	E		09 36 06.5			
EBAN	E		09 35 55.0	E		09 36 05.3	0.05	0.1	73

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACHM	E		09 35 58.0	E		09 36 10.5			
AFC	E		09 35 58.5	E		09 36 12.7	0.01	0.2	59
EPRU	E		09 35 58.5	E		09 36 11.5			
ATEJ	I		09 35 59.5	E		09 36 11.0			
APHE	I		09 36 01.0	E	*	09 36 13.0			
EVAL	E	=	09 36 11.6	E	=	09 36 33.0			
EVIA	E		09 36 11.9	E		09 36 35.0			73
EPLA	E	=	09 36 29.0	E	=	09 36 59.6			57
GUD	E	=	09 36 35.4	E	=	09 37 09.3	0.01	0.6	65

28-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	093540.8	37 47	-04 37	6	0.5	2.9		SANTA CRUZ.CO

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
PINR	I		13 41 42.0	E		13 41 44.0			
CNIL	I	=	13 41 45.5	E	=	13 41 48.0			
GIBL	I		13 41 47.0	E	*	13 42 01.0			
MOMI	I	*	13 41 52.0	E	*	13 42 01.0			
ALJ	E	=	13 41 54.0	E	=	13 42 02.0			
PLAT	E	=	13 41 54.0	E	=	13 42 02.0			
EPRU	E		13 41 57.0	E		13 42 10.6	0.08	1.0	94
OJEN	E	*	13 41 58.0	E		13 42 03.0			
SRQ	E	*	13 41 59.0	E		13 42 05.0			
EVAL	E		13 42 00.3	E		13 42 16.7	0.07	0.5	65
EHOR	E		13 42 06.9	E		13 42 27.0	0.04	0.6	93
AAPN	E	*	13 42 17.0						
ALOJ	E	*	13 42 17.0						
ATEJ	E	*	13 42 18.5						
APHE	E	*	13 42 21.0						
ASMO	E	*	13 42 23.5						
ACHM	E	*	13 42 25.0						

29-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	134139.8	36 30	-06 17	5	0.3	2.9	III	CADIZ

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MVO	I		18 55 29.1	I		18 55 37.5			
ERUA	E		18 55 39.6	E		18 55 53.5			38
MTE	E		18 55 45.0	I		18 56 02.5			
EPLA	I		18 55 46.0	E		18 56 04.5			47
GUD	E		18 55 52.0	E		18 56 17.0			53

29-NOV	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	185520.1	41 29	-06 27	5	0.4	2.9		MIRANDA DOURO.PORT

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
PINR	I		06 25 49.5	E		06 25 53.0			
CNIL	I		06 25 52.0	E		06 25 55.0			
GIBL	I		06 25 54.5	E		06 25 59.0			
MOMI	E	*	06 26 00.0						
ALJ	E	*	06 26 01.0						
OJEN	E	*	06 26 04.0						
EPRU	E		06 26 04.4				0.08	1.0	76
SRQ	E	*	06 26 04.5						
EVAL	E		06 26 06.8	E		06 26 23.3	0.06	0.5	57
EHOR	E		06 26 13.6	E		06 26 34.0	0.03	0.5	72
ATEJ	E	*	06 26 20.0						
ALOJ	E	*	06 26 23.6	E	*	06 26 50.3			
AAPN	E	*	06 26 28.0	E	*	06 26 49.0			
ASMO	E	*	06 26 30.0						
PAB	E	*	06 26 52.5	E	*	06 27 23.0			

01-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	062547.3	36 32	-06 17	6	0.6	2.9		CADIZ

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTH	E		16 07 34.0	E		16 07 59.5			
EVAL	I		16 07 37.2	E		16 08 05.5	0.03	0.2	94
EPRU	I	=	16 07 54.0	E	=	16 08 33.0	0.02	0.4	100
EHOR	I		16 07 54.0	E		16 08 33.8	0.01	0.3	114
AVE	I		16 07 55.0	I		16 08 35.5			
AAPN	E	*	16 08 05.0	E	*	16 08 55.0			
ALOJ	E	*	16 08 06.5	E		16 08 52.5			
ATEJ	E	*	16 08 07.5	E	*	16 08 51.5			
IFR	I		16 08 09.0	I		16 09 00.0			
MVO	E		16 08 09.5	I	*	16 09 02.0			
EBAN	I		16 08 10.5	E		16 09 04.0	0.02	0.2	115
APHE	E	*	16 08 11.0	E		16 09 00.0			
GUD	I		16 08 23.5	E		16 09 26.2	0.01	0.3	143
TIO	I		16 08 24.5	I		16 09 28.9			
EVIA	I		16 08 25.4						149

01-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	160658.5	36 36	-09 39	30	0.6	3.3		SW. CABO S.VICENTE

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
AFC	I		11 01 30.5	I		11 01 34.8	0.05	0.1	45
APHE	I		11 01 33.8	E	*	11 01 37.5			
ASMO	I		11 01 34.0						
ACHM	E		11 01 35.5						
ATEJ	E		11 01 38.4						
ALOJ	E		11 01 39.0						
ENIJ	E		11 01 40.2				0.01	0.2	37
AAPN	E	*	11 01 41.7						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBAN	I		11 01 45.3	E		11 02 00.2	0.02	0.2	45
EVIA	I		11 01 52.8	E		11 02 12.5			50

05-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	110125.4	37 11	-03 11	5	0.2	2.7		JERES MARQUESADO.GR

ACU	I		18 50 54.2	E		18 51 04.0	0.09	0.2	110
EALH	E		18 51 06.7				0.05	1.0	100
ECHE	E		18 51 06.7	E		18 51 29.2	0.03	0.3	104
EROQ	E		18 51 15.0	E		18 51 44.5			114
EVIA	E		18 51 17.5						123
EBR	E	*	18 51 24.0	E	*	18 51 57.0			
EBAN	I		18 51 31.5	E		18 52 11.7			97
ASMO	E	*	18 51 35.0						
ACHM	E	*	18 51 38.0						
APHE	E	*	18 51 38.5						
ALOJ	E	*	18 51 40.5						
AAPN	E	*	18 51 41.0						
GUD	E		18 51 43.0				0.01	0.4	116

05-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	185037.7	38 25	00 41	10	0.6	3.3		MEDITERRANEO

EHOR	I		02 01 34.4	I		02 01 41.8	0.03	0.2	48
AAPN	I		02 01 35.7	E	*	02 01 41.2			
ALOJ	I		02 01 38.7	E		02 01 49.0			
ASMO	I		02 01 39.5	E		02 01 50.0			
EBAN	I		02 01 39.8	I		02 01 49.8	0.03	0.1	50
ATEJ	I		02 01 42.2	E		02 01 55.0			
ACHM	E	*	02 01 42.5	E		02 01 53.0			
EPRU	E	=	02 01 43.3	E	=	02 01 55.5			35
AFC	I		02 01 43.4	E		02 01 56.5	0.01	0.2	52
APHE	I	*	02 01 46.4	E		02 01 59.0			
EVIA	E		02 01 56.6	E		02 02 20.0			64

07-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	020125.2	37 44	-04 37	10	0.3	2.8		SANTA CRUZ.CO

MAL	I		15 40 56.4	I	*	15 41 19.0	3.28	0.8	270
ATEJ	I		15 40 57.8	E		15 41 17.5			
SRQ	I		15 40 58.0	E	*	15 41 03.0			
APHE	I		15 40 58.5	E		15 41 20.7			
OJEN	I		15 40 59.0	E	*	15 41 03.5			
ACHM	I		15 41 01.0	E	*	15 41 27.7			
EJIM	I		15 41 01.3	E		15 41 22.8			341

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALOJ	I		15 41 01.7	E	*	15 41 28.3			
ALM	I		15 41 02.1	I	*	15 41 23.7	2.65	0.7	240
CRT	I		15 41 03.2	E	*	15 41 29.2			
AFC	I		15 41 04.0	E		15 41 28.0	0.65	0.8	323
ENIJ	I		15 41 05.0						278
MOMI	I	*	15 41 05.0	E	*	15 41 14.0			
AAPN	I		15 41 05.4	E	*	15 41 33.0			
PLAT	I	*	15 41 05.5	E	*	15 41 15.0			
ALJ	I		15 41 05.5	E	*	15 41 14.0			
ASMO	I		15 41 05.9	E	*	15 41 33.2			
EPRU	E	=	15 41 06.5	E	=	15 41 31.0			325
TEC	I		15 41 08.0	I	*	15 41 38.0			
CNIL	I	*	15 41 09.0	E	*	15 41 17.0			
IFR	I		15 41 09.5	I	*	15 41 38.5			
PINR	I	*	15 41 11.0	E	*	15 41 23.0			
EHOR	I		15 41 15.8	E		15 41 47.2	0.24	0.5	335
EBAN	I		15 41 17.0	I		15 41 49.0	0.12	0.3	312
EALH	E		15 41 21.3	I		15 41 56.0	0.39	0.7	272
EVAL	I		15 41 22.7	I		15 41 59.0	0.15	0.3	310
EVIA	E		15 41 25.5	I		15 42 03.5			373
AVE	I		15 41 29.0	I	*	15 42 02.5			
FAR	E		15 41 30.6	I		15 42 12.5			
ACU	E		15 41 35.4						
PAB	I		15 41 36.5	I	*	15 42 46.0			400
TOL	I		15 41 41.0				0.60	1.2	340
ECHE	E		15 41 44.5				0.23	1.0	250
MOE	I		15 41 45.0	I		15 42 37.9			
EPLA	I		15 41 48.2	I		15 42 43.3			346
GUD	I		15 41 51.3				0.06	0.5	336
LIS	I		15 41 53.4	I		15 42 53.1			
MTH	I		15 41 55.0	I		15 42 56.0			
MTE	E		15 41 57.8	I		15 43 01.9			
COI	I		15 42 01.2	I	*	15 43 05.0			
ABA	E	*	15 42 03.0						
MVO	I		15 42 04.6	I		15 43 13.0			
EROQ	I		15 42 07.2				0.06	0.8	263
EBR	E	*	15 42 10.0	E	*	15 43 19.0			
PTO	I		15 42 12.9	I	*	15 43 25.3			
LGR	E		15 42 15.5	I	*	15 43 38.5			290
ECRI	E		15 42 19.7						292
AVN			15 42 21.4						
ERUA	I		15 42 21.6	E		15 43 43.0	0.09	0.8	302
MRB			15 42 24.0						
EZAM	E		15 42 25.6				0.04	0.7	272

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
VIH			15 42 30.1						
STS	E		15 42 34.4						

09-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	154033.1	35 25	-03 49	7	0.7	4.3		N. ALHUCEMAS

ALM	E	*	17 10 10.2	E	*	17 10 30.1			80
ATEJ	I		17 10 17.5	E		17 10 36.5			
APHE	I		17 10 18.0	E		17 10 37.5			
MAL	E	*	17 10 20.0	I	*	17 10 42.0			
EJIM	I		17 10 20.4	E		17 10 39.9			138
ALOJ	I		17 10 20.8						
ACHM	E		17 10 21.5						
ENIJ	I		17 10 24.3						80
AFC	E	=	17 10 24.4	E	=	17 10 46.7			104
AAPN	E	*	17 10 26.0						
ASMO	I	*	17 10 26.5						
IFR	I		17 10 28.0	I		17 10 54.0			
AVE	E	*	17 10 58.0	E		17 11 30.0			

09-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	170952.8	35 27	-03 49	14	0.5	3.0		N. ALHUCEMAS

ATEJ	I		23 14 51.9	E		23 15 12.5			
APHE	I		23 14 52.0	E	*	23 15 11.0			
SRQ	E		23 14 52.0						
OJEN	E		23 14 53.0						
MAL	E	*	23 14 53.5	I	*	23 15 15.5	0.30	0.4	106
EJIM	I		23 14 55.0	E		23 15 16.5			128
ACHM	E		23 14 55.2						
ALOJ	I		23 14 55.5						
ALM	E		23 14 55.7	E	*	23 15 21.2			80
AFC	E		23 14 58.2	E		23 15 21.0			117
ENIJ	E	=	23 14 58.0	E	=	23 15 23.0			128
CRT	E	*	23 14 59.0						
PLAT	E	*	23 14 59.0	E	*	23 15 25.0			
MOMI	E	*	23 14 59.5	E	*	23 15 26.0			
AAPN	E	*	23 15 00.7						
ASMO	I	*	23 15 00.7						
EPRU	E	=	23 15 00.7	E	=	23 15 24.8			118
CNIL	E	*	23 15 02.0	E	*	23 15 21.0			
IFR	I		23 15 03.0	I		23 15 29.0			
EHOR	E		23 15 09.6	E		23 15 39.8			108
TEC	E	*	23 15 10.0						
EBAN	E	=	23 15 14.0	E	=	23 15 46.5			100
EALH	E		23 15 15.9	E		23 15 49.9			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EVAL	E		23 15 16.5	E		23 15 53.5			89
EVIA	E		23 15 18.2						118
AVE	E	*	23 15 32.0	I	*	23 16 20.0			
TIO	I		23 15 47.0	I		23 16 47.6			
MVO	E		23 15 58.4	E		23 17 08.0			

09-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	231426.3	35 27	-03 48	5	0.6	3.3		N. ALHUCEMAS

ATEJ	I		00 02 40.0	E		00 03 00.0			
APHE	I		00 02 40.2	E	*	00 02 59.0			
SRQ	I		00 02 40.5	E		00 03 00.0			
OJEN	E		00 02 41.0						
MAL	E	=	00 02 41.5	I	=	00 03 00.5			
EJIM	I		00 02 43.2	E		00 03 05.0			134
ACHM	I		00 02 43.2						
ALOJ	I		00 02 44.0						
AFC	E		00 02 45.8	E		00 03 09.0	0.02	0.5	106
PLAT	E	=	00 02 47.0	E	=	00 03 10.0			
MOMI	E	=	00 02 47.5	E	=	00 03 11.0			
ENIJ	E		00 02 48.0	E		00 03 13.0	0.03	0.4	109
EPRU	E	=	00 02 49.2	E	=	00 03 13.2			118
ASMO	I	*	00 02 48.5						
AAPN	I	*	00 02 49.0						
CNIL	E	*	00 02 50.5						
IFR	I		00 02 51.0	I		00 03 17.0			
ALM	E	*	00 02 57.1	I	*	00 03 18.0			48
EHOR	E		00 02 57.7						100
EBAN	E		00 02 59.0	E		00 03 30.5	0.01	0.4	100
TEC	E	*	00 02 59.0						
EVAL	E		00 03 04.7	E		00 03 41.8			80
EVIA	E		00 03 07.0	E		00 03 45.3	0.04	0.7	127
AVE	E	*	00 03 24.0	I	*	00 04 14.0			
TIO	I	=	00 03 37.0	I	=	00 04 36.0			

10-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	000214.6	35 25	-03 48	6	0.5	3.2		N. ALHUCEMAS

MAL	I		00 20 49.0	I		00 21 08.8	1.38	1.0	148
ATEJ	I		00 20 50.0	E		00 21 10.0			
SRQ	I		00 20 50.5						
APHE	I		00 20 51.0	E	*	00 21 05.5			
OJEN	E		00 20 52.0						
ACHM	I		00 20 53.2	E	*	00 21 17.0			
EJIM	I		00 20 53.7	E		00 21 15.8			201
ALOJ	I		00 20 54.0	E	*	00 21 17.7			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALM	I		00 20 54.4	I	*	00 21 21.3	0.96	0.6	155
CRT	E		00 20 56.0	E	*	00 21 20.0			
AFC	E		00 20 56.7	E		00 21 19.5	0.08	0.6	170
PLAT	I	*	00 20 57.0						
ENIJ	I		00 20 57.4				0.14	0.3	178
MOMI	I	*	00 20 57.5						
ALJ	E		00 20 58.5						
AAPN	I	=	00 20 58.7	E	=	00 21 22.0			
ASMO	I	*	00 20 59.0	E	*	00 21 24.5			
EPRU	E		00 20 58.5	E		00 21 21.5	0.11	0.6	177
CNIL	I	*	00 21 01.0						
IFR	I		00 21 01.5	I		00 21 29.5			
TEC	E	*	00 21 03.0						
PINR	E	*	00 21 03.0						
EHOR	E		00 21 08.3	E		00 21 39.4	0.05	0.4	168
EBAN	E		00 21 09.2	E		00 21 40.5	0.04	0.4	168
EALH	E		00 21 13.7				0.14	0.8	136
EVAL	I		00 21 15.2	E		00 21 52.0	0.03	0.3	172
EVIA	E		00 21 18.8	E		00 21 56.0	0.16	0.7	185
AVE	E		00 21 21.0	I		00 22 04.0			
PAB	E		00 21 29.0	E	*	00 22 40.5			200
FAR	E	*	00 21 32.5	I		00 22 04.0			
TOL	I		00 21 33.5						210
MOE	E		00 21 37.5	I		00 22 30.2			
EPLA	E		00 21 40.5	E		00 22 35.5			185
GUD	E		00 21 43.6	E		00 22 42.2	0.03	0.7	186
TIO	I		00 21 45.4	I		00 22 45.9			
MTH	E		00 21 47.4	E		00 22 48.5			
MTE	E		00 21 50.0	E		00 22 54.5			
MVO	I		00 21 56.5	I		00 23 05.0			

10-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	002025.3	35 27	-03 49	5	0.8	3.7		N. ALHUCEMAS

MADF		20 33 44.5	E		20 33 48.4			
ATE		20 33 45.8	E		20 33 50.6			
EPF		20 33 59.9			20 34 13.8			
LGR	E	20 34 01.0	I		20 34 19.5			85
ECRI	E	20 34 01.4	E		20 34 16.0	0.04	0.3	71
VIH		20 34 06.3			20 34 26.5			
AVN		20 34 12.0						
LPO		20 34 15.2				0.02	0.3	
EROQ	E	20 34 21.3	E		20 34 52.6	0.03	0.3	97
MRB		20 34 22.5						
OLT		20 34 25.5		*	20 35 09.0			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EBR	E	*	20 34 30.0	E	*	20 35 04.0			
GUD	E		20 34 32.5						85

11-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	203339.7	43 13	-01 09	7	0.6	3.3	IV	OSSES.FR

MADF			21 06 10.7	E		21 06 14.6			
ATE			21 06 12.1	E	*	21 06 14.6			
EPF			21 06 27.3			21 06 41.4	0.02	0.4	
ECRI	I		21 06 28.0	E		21 06 42.5	0.04	0.2	62
LGR	I		21 06 29.0	I		21 06 45.5			70
VIH			21 06 33.2			21 06 52.0			
AVN		*	21 06 40.1		*	21 07 05.0			
LFF		=	21 06 46.0		=	21 07 13.8	0.01	0.3	
LPO		=	21 06 46.5		=	21 07 15.4	0.01	0.3	
EROQ	E		21 06 48.0	E		21 07 19.1	0.01	0.3	94
OLT			21 06 52.0		*	21 07 35.2			

11-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	210607.0	43 06	-01 07	5	0.4	3.1	III-IV	PIRINEOS

ENIJ	I		22 17 48.3						90
ALM	I		22 17 50.9	I		22 17 53.9	1.03	0.5	55
APHE	I		22 18 06.6						
EALH	E		22 18 06.0	E		22 18 21.4			50
AFC	E		22 18 06.6	E		22 18 22.0	0.01	0.2	58
ACHM	E		22 18 09.0						
ASMO	I		22 18 09.5	E	*	22 18 24.7			
ATEJ	E		22 18 11.0						
ALOJ	E		22 18 12.5						
AAPN	I	*	22 18 15.0	E	*	22 18 37.0			
EVIA	E		22 18 15.4	E		22 18 36.8	0.03	0.3	75
EBAN	I		22 18 15.8	E		22 18 37.8	0.02	0.3	54

11-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	221746.0	36 54	-02 10	11	0.2	2.9		NIJAR.AL

ACU	I		11 50 53.7	E		11 50 59.2	0.57	0.9	125
EALH	I		11 50 58.0	E		11 51 07.0	0.26	0.7	137
ECHE	E		11 51 08.1	E		11 51 24.6	0.13	0.8	128
EVIA	I		11 51 09.2	E		11 51 26.0	0.40	0.8	190
ENIJ	E		11 51 15.2	E		11 51 37.0	0.03	0.7	130
EBAN	I		11 51 22.7	E		11 51 50.8	0.06	0.7	121
ASMO	E	*	11 51 27.5						
APHE	E	*	11 51 30.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACHM	E	*	11 51 30.0						
AAPN	E	*	11 51 30.5						
AFC	E	=	11 51 31.4	E	=	11 51 59.7			140
ALOJ	E	*	11 51 32.0						
ATEJ	E	*	11 51 33.5						
EBR	E	*	11 51 40.0						
TOL	E	*	11 51 44.0	I	*	11 52 20.0	0.10	1.0	140
GUD	I	=	11 51 49.5	E	=	11 52 28.7	0.02	0.5	153

12-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	115046.1	38 22	-00 54	8	0.2	3.2		LA ROMANA.A

ESCF			17 46 02.3	E		17 46 4.9			
ATE			17 46 04.2	E		17 46 8.2			
EPF			17 46 08.8			17 46 15.2			
VIH			17 46 16.0			17 46 30.0			
AVN		*	17 46 26.6		*	17 46 46.9			
LPO			17 46 30.0				0.02	0.3	
ECRI	E	=	17 46 32.2	E	=	17 46 53.0	0.02	0.3	54
LGR	I	=	17 46 32.5	I	=	17 46 54.0			80
CAF			17 46 38.6				0.01	0.3	
EROQ	E	=	17 46 45.4	E	=	17 47 13.4	0.02	0.3	66

12-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	174559.0	43 08	-00 21	10	0.3	3.2	IV	ARUDY.FR

ATE			07 35 32.8	E		07 35 38.6			
ISSF			07 35 34.4	E		07 35 41.9			
VIH			07 35 49.2		*	07 36 08.0			
LPO			07 35 56.4						
ECRI	I		07 35 56.4	E		07 36 17.3	0.06	0.5	121
LFF			07 35 56.6						
LGR	I		07 35 57.5	I		07 36 19.5			145
AVN		*	07 35 59.2						
RJF			07 36 04.5						
CAF			07 36 04.9			07 36 33.4			
MRB		*	07 36 09.5		*	07 36 44.0			
OLT		*	07 36 10.1						
EROQ	I	=	07 36 15.9	E	=	07 36 48.0	0.07	0.5	137
EBR	E	*	07 36 18.0	E	*	07 36 53.0			
GUD	E		07 36 26.2				0.02	0.9	
ECHE	E	=	07 36 44.5	E	=	07 37 28.5	0.05	0.9	

15-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	073526.6	43 26	-00 28	5	0.4	3.6	IV	NW. PAU.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EROQ	I		01 31 26.6	I		01 31 34.1	0.06	0.2	122
EBR	E		01 31 27.5	E		01 31 36.0			
ECHE	E		01 31 37.8	E		01 31 53.7	0.01	0.2	97
AVN			01 31 45.2						
MRB			01 31 49.7						
VIH		*	01 31 56.9		*	01 32 26.9			
OLT			01 31 59.2						
LGR	E		01 31 59.5	I		01 32 31.0			115
GUD	E		01 32 05.8	E		01 32 42.0	0.00	0.3	108
ECRI	E	=	01 32 09.8	E	=	01 32 43.0	0.04	0.2	93
CAF			01 32 28.1						

17-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	013117.7	40 33	-00 10	5	0.5	3.0		MORELLA.CS

MADF		19 47 04.4	E	19 47 8.0			
ISSF		19 47 05.2	E	19 47 9.4			
ATE		19 47 05.8	E	19 47 10.6			
LGR	E	19 47 21.5	I	19 47 39.0			60
ECRI	I	19 47 21.9	E	19 47 36.5			38
AVN	*	19 47 34.7	*	19 48 00.0			
MRB		19 47 42.3	*	19 48 24.0			
EROQ	E =	19 47 51.0	E =	19 48 21.5			60

18-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	194700.1	43 11	-01 06	12	0.3	3.1		PONTACQ.FR

ENIJ	I	20 27 22.4	E	20 27 27.2	0.12	0.3	52
EALH	E	20 27 30.2	E	20 27 41.4	0.04	0.6	42
AFC	E	20 27 33.7	E	20 27 48.0	0.01	0.3	40
APHE	I	20 27 37.0					
EVIA	I	20 27 37.7	I	20 27 55.0	0.05	0.3	60
ASMO	I	20 27 37.5	E *	20 27 56.4			
ACHM	E	20 27 39.0	E *	20 28 01.0			
ATEJ	E *	20 27 42.0	E *	20 28 07.5			
AAPN	I *	20 27 43.0	E *	20 28 05.0			

18-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	202715.2	37 21	-02 14	9	0.4	3.0		CANTORIA.AL

STS	I	07 30 22.2	E	07 30 39.3	0.09	0.2	117
EZAM	I	07 30 24.5	E	07 30 43.0	0.07	0.2	98
PTO	I	07 30 35.0	I *	07 30 57.1			
ERUA	I	07 30 37.9	E	07 31 06.5	0.02	0.3	130

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
COI	I		07 30 47.8		*	07 31 25.0			
MTE	I		07 30 48.8	I		07 31 27.5			
MTH	E		07 31 01.8	I		07 31 46.2			
EPLA	I		07 31 04.2	E		07 31 53.0			130
MOE	E		07 31 07.4	I		07 31 58.0			
LIS	E	*	07 31 08.0	E		07 31 50.0			
GUD	I		07 31 16.8				0.03	0.9	157
ECRI	E		07 31 24.5	E		07 32 27.5			
EVAL	I		07 31 27.0	E		07 32 32.7	0.01	0.3	110
EBAN	E		07 31 39.7						
EPF			07 31 53.8		*	07 33 15.0			

20-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	072959.9	42 57	-10 30	32	0.6	3.6		W. FINISTERRE

ACHM	I		02 59 51.0	E		02 59 52.5			
CRT	I		02 59 52.5						
APHE	I		02 59 52.9	E		02 59 56.2			
AFC	I		02 59 53.0	E		02 59 56.0	0.11	0.1	52
ASMO	I		02 59 53.2	E		02 59 56.0			
ALOJ	I		02 59 54.2	E		02 59 58.0			
ATEJ	I		02 59 54.7	E		02 59 58.0			
AAPN	I		02 59 56.2	E		03 00 00.5			
EBAN	E		03 00 09.0	E		03 00 23.0	0.02	0.1	37
EVIA	E	=	03 00 23.7	E	=	03 00 45.5	0.01	0.4	50

21-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	025949.3	37 07	-03 46	7	0.6	2.8		CHIMENEAS.GR

TAF	I		00 46 04.0	I	*	00 46 22.0			
SRQ	I	*	00 46 04.0	E	*	00 46 14.0			
ATEJ	I		00 46 04.5	E	*	00 46 19.5			
APHE	I		00 46 04.6	E		00 46 23.5			
MAL	E	*	00 46 06.0	I		00 46 20.4	0.47	0.8	120
OJEN	E		00 46 07.5	E	*	00 46 22.0			
EJIM	I		00 46 08.0						185
ACHM	I		00 46 08.0	E		00 46 27.0			
ALOJ	I		00 46 08.0						
ALM	E		00 46 08.5	I		00 46 30.2			120
CRT	E	*	00 46 11.0						
AFC	E		00 46 11.0	E		00 46 31.8	0.02	0.3	188
ENIJ	E		00 46 11.3	E		00 46 34.8	0.08	0.4	186
PLAT	I	*	00 46 11.5	E	*	00 46 28.0			
AAPN	I		00 46 12.5						
ASMO	I		00 46 13.0						
EPRU	E		00 46 13.0	E		00 46 35.5	0.13	1.0	193

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CNIL	I		00 46 15.0	E	*	00 46 33.0			
IFR	I		00 46 15.5	I		00 46 42.5			
TEC	E	*	00 46 20.0						
EBAN	E		00 46 23.3	E		00 46 54.8	0.03	0.4	146
EALH	E		00 46 27.8	E		00 47 02.0			120
EVAL	E		00 46 29.0	E		00 47 05.2	0.03	0.5	142
AVE	E		00 46 37.0	I	*	00 47 32.0			
EVIA	E	=	00 46 41.0	E	=	00 47 18.0	0.11	0.8	194
ACU	E		00 46 41.6						
TOL	E		00 46 48.0	I	*	00 47 53.0	0.02	0.8	170
EPLA	E		00 46 54.5						161
GUD	E		00 46 58.0	E		00 47 54.0	0.02	0.7	186
TIO	I		00 47 00.0	I		00 47 59.9			
MTE	E	*	00 47 07.5			00 48 08.0			
MVO	E	=	00 47 10.2		=	00 48 17.5			

24-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	004542.0	35 28	-03 45	24	0.8	3.3		N. ALHUCEMAS

SRQ	I		18 46 08.0						
MAL	I		18 46 09.3	I		18 46 22.0	0.97	0.3	55
OJEN	I		18 46 09.5						
EJIM	I		18 46 11.5	I		18 46 24.0			103
ATEJ	I		18 46 11.7	E	*	18 46 20.0			
PLAT	I		18 46 12.0						
MOMI	I		18 46 13.0						
APHE	I		18 46 14.0	E	*	18 46 26.5			
EPRU	I		18 46 15.0	E		18 46 30.0	0.04	0.1	91
CNIL	I		18 46 15.0						
ALOJ	I		18 46 15.2	E		18 46 30.0			
ACHM	I		18 46 16.0	E		18 46 31.5			
AAPN	I		18 46 18.5	E	*	18 46 33.0			
AFC	I		18 46 20.3				0.01	0.3	97
ASMO	I		18 46 20.5	E		18 46 39.0			
CRT	I	*	18 46 20.5						
EHOR	E		18 46 24.2	E		18 46 47.3	0.05	0.2	101
ENIJ	E		18 46 26.3	E		18 46 53.0	0.02	0.3	93
EVAL	I		18 46 29.2	E		18 46 57.0	0.05	0.2	104
EBAN	I		18 46 29.2	I		18 46 55.5	0.04	0.1	127
EVIA	E		18 46 40.5	E		18 47 16.0	0.02	0.3	121
EPLA	E		18 46 55.7	E		18 47 42.0			122
GUD	I		18 47 01.4	I		18 47 52.0			136

25-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	184553.2	35 59	-04 35	90	0.8	3.5		ESTRECHO GIBRALTAR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
FAR	E	*	14 32 33.6	I	*	14 32 46.0			
EVAL	I		14 32 46.7	E		14 33 08.0	0.14	0.1	175
MOE	E		14 32 48.0	I	*	14 33 18.0			
CNIL	I		14 32 50.5						
MTH	E		14 32 53.0	I		14 33 20.0			
PLAT	E		14 32 54.0						
MOMI	I		14 32 55.0						
LIS	E	*	14 32 57.0	I		14 33 15.3			
OJEN	E		14 32 57.0						
EJIM	E		14 32 58.0	E		14 33 30.4			164
SRQ	I		14 32 58.5						
EPRU	E		14 33 00.2						177
EHOR	E		14 33 02.5	E		14 33 38.5	0.04	0.3	137
MAL	I		14 33 09.7	I		14 33 49.0	0.05	0.7	130
AAPN	I		14 33 12.5						
ALOJ	I		14 33 12.6						
ATEJ	I		14 33 13.8						
MTE	E		14 33 15.8			14 33 59.0			
ACHM	E		14 33 16.2						
EPLA	E		14 33 16.9	E		14 34 02.9			190
ASMO	I		14 33 18.0						
APHE	I		14 33 18.0						
EBAN	I		14 33 19.0	E		14 34 07.0	0.02	0.2	180
AFC	E		14 33 19.0	E		14 34 08.0	0.01	0.3	178
PAB	I		14 33 23.0	I	*	14 34 42.0			240
MVO	E	*	14 33 24.0	I		14 34 19.0			240
COI	E	*	14 33 26.0			14 33 52.3			240
TOL	E		14 33 29.0	E		14 34 25.0	0.04	0.7	220
EVIA	E		14 33 33.8	E		14 34 33.3			234
GUD	E		14 33 36.0	E		14 34 35.4	0.03	0.4	228
EZAM	E		14 33 36.9			14 34 38.5			
ERUA	E		14 33 42.3			14 34 48.0			
LGR	E		14 34 05.5						180

26-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	143215.6	36 40	-08 42	5	0.6	3.8		SE. CABO S.VICENTE

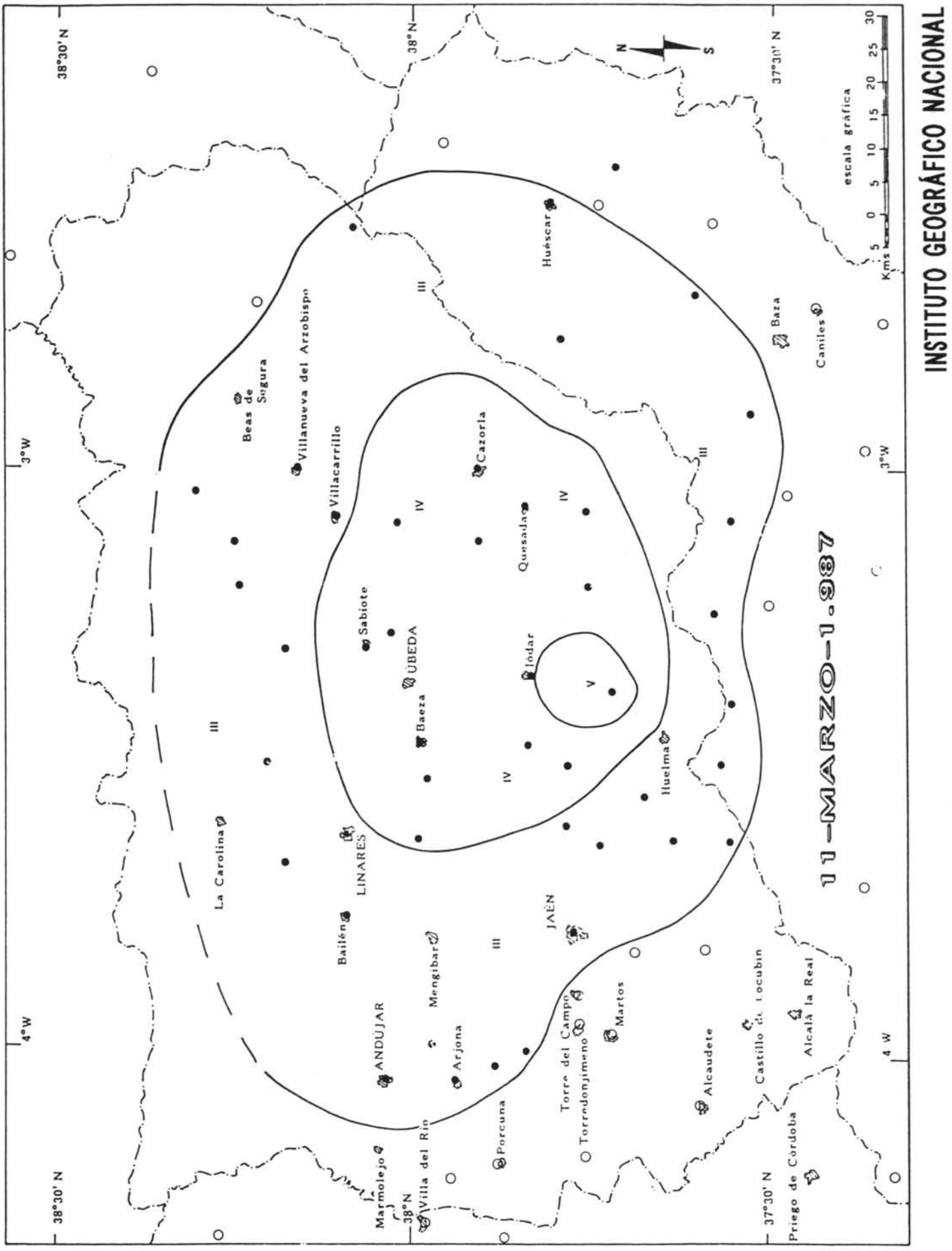
EALH	E	23 49 33.7	E	23 49 38.0			53
ACU	E	23 49 40.7	E	23 49 50.5			34
EVIA	I	23 49 49.8	E	23 50 06.2			55
ENIJ	E	23 49 53.8					
ECHE	E	23 49 55.0					

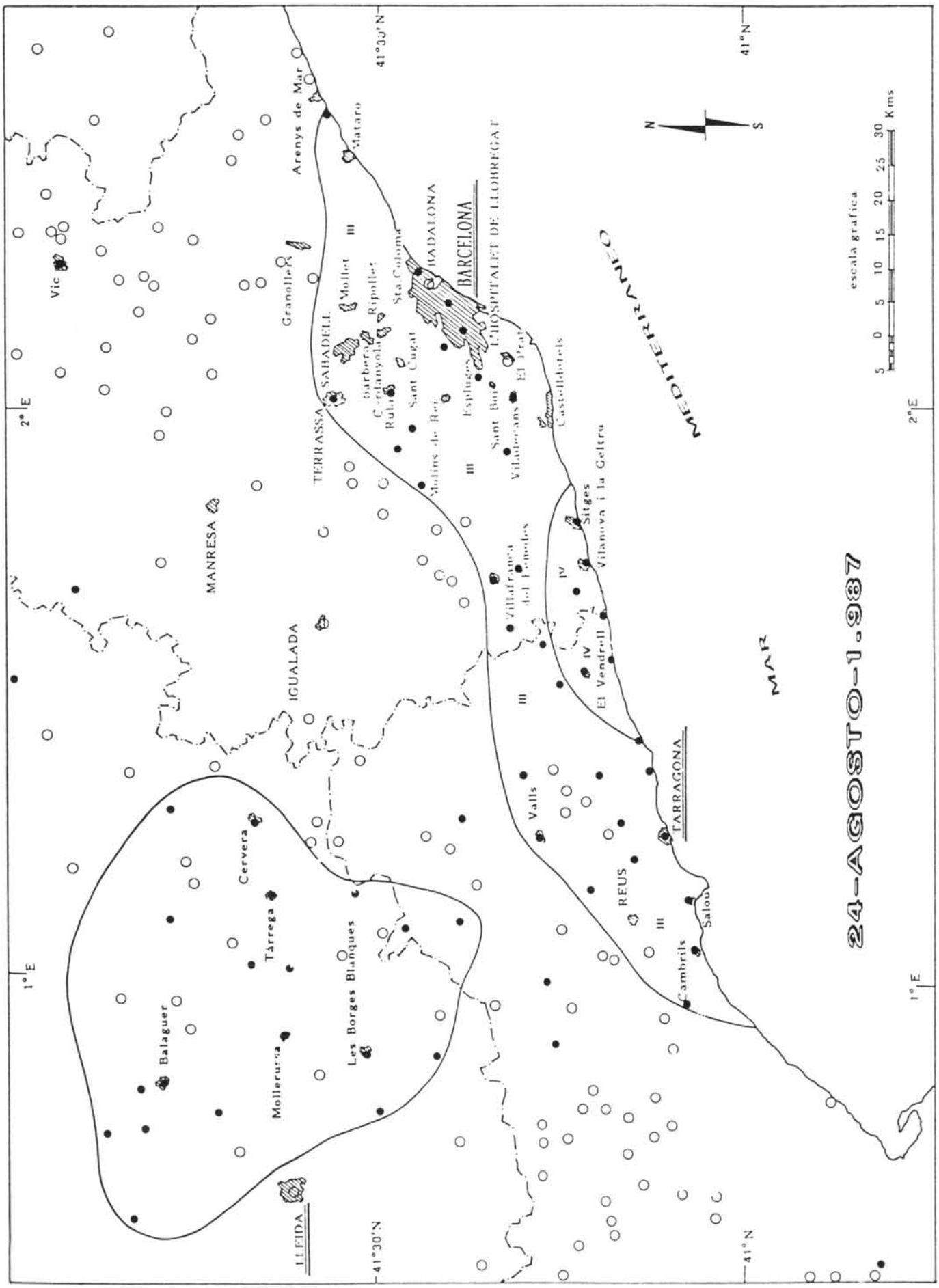
27-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	234927.9	38 05	-01 08	5	0.3	2.6		N. MURCIA.MU

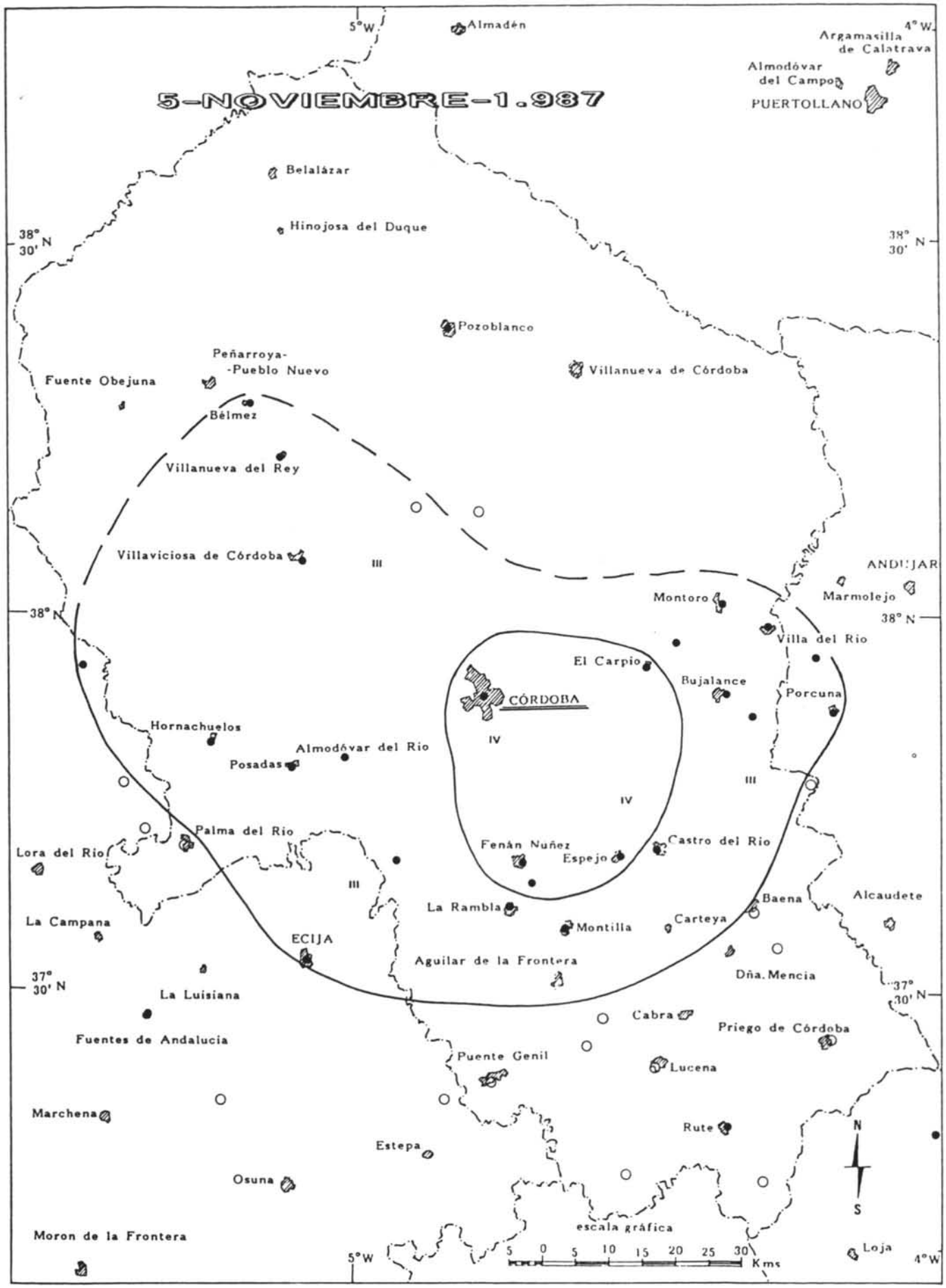
EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACU	E		03 32 48.7	E		03 32 55.2	0.07	0.3	94
EALH	E		03 32 52.2	E		03 33 00.3	0.07	0.5	90
ECHE	E		03 33 05.0	E		03 33 22.9	0.02	0.3	88
EVIA	E		03 33 05.6	E		03 33 23.7	0.05	0.3	145
ENIJ	E		03 33 09.5						75
EBAN	E		03 33 18.0	E		03 33 47.0	0.01	0.3	85
AAPN	E	*	03 33 26.0						
ASMO	E	*	03 33 26.9	E	*	03 33 59.0			
ALOJ	E	*	03 33 27.5						
ACHM	E	*	03 33 32.5						
TOL	E	*	03 33 36.0	E	*	03 34 14.0			90
GUD	E	=	03 33 49.3	E	=	03 34 30.3	0.01	0.4	100

30-DIC	HO	LAT	LONG	PRO	RMS	MAG	INT	
SSIS	033241.0	38 12	-00 47	10	0.3	2.9		SW. ELCHE.A

MAPAS DE ISOSISTAS


INSTITUTO GEOGRÁFICO NACIONAL
11-MARZO-1.987
38°30' N
38° N
37°30' N
3°W
4°W
N
S
escala gráfica
0 5 10 15 20 25 30
Kms
Huéscar
Baza
Caniles
Beas de Segura
Villanueva del Arzobispo
Villacarrillo
Cazorla
Quesada
Sabiote
ÚBEDA
Baeza
Jódar
Huelma
La Carolina
LINARES
Bailén
Mengíbar
ANDÚJAR
Arjona
JAÉN
Martos
Torre del Campo
Torredonjimeno
Alcaudete
Castillo de Locubín
Alcalá la Real
Porcuna
Villa del Río
Marmolejo
Priego de Córdoba
III
IV
V

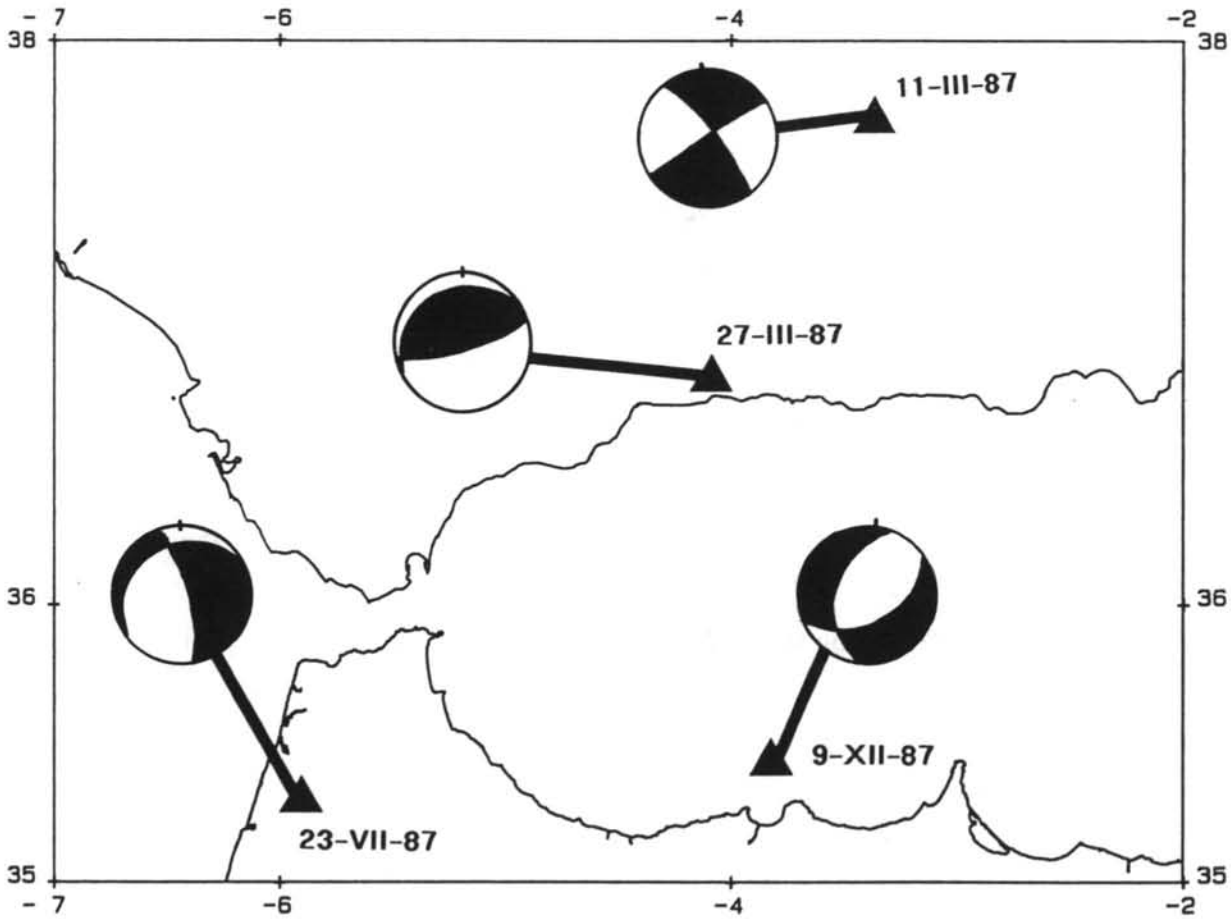

24-AGOSTO-1.987
INSTITUTO GEOGRÁFICO NACIONAL
BARCELONA
TARRAGONA
LLEIDA
MANRESA
IGUALADA
TERRASSA
SABADELL
BADALONA
MATARÓ
Arenys de Mar
Granollers
Vic
Mollet
Ripollet
Sta Coloma
Cerdanyola
Rubí
Sant Cugat
Barberà
Esplugues
L'HOSPITALET DE LLOBREGAT
El Prat
Sant Boi
Viladecans
Castelldefels
Molins de Rei
Sitges
Vilanova i la Geltrú
El Vendrell
Villafranca del Penedès
Valls
REUS
Salou
Cambrils
Balaguer
Tàrrega
Cervera
Les Borges Blanques
Mollerussa
MEDITERRANEO
MAR
escala grafica
5 0 5 10 15 20 25 30 Kms
N
S
41°30'N
41°N
2°E
1°E



INSTITUTO GEOGRÁFICO NACIONAL

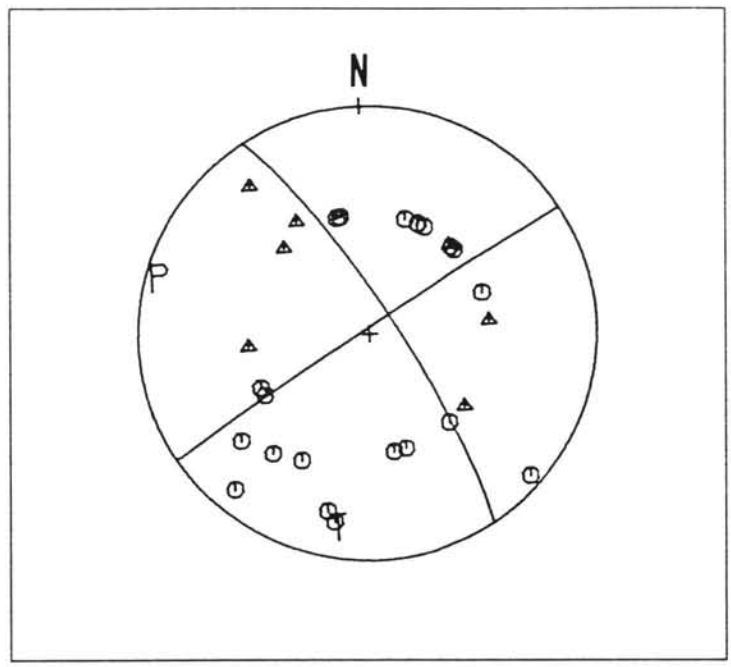
MECANISMOS FOCALES

MECANISMOS FOCALES AÑO 1.987



INSTITUTO GEOGRÁFICO NACIONAL

11-MARZO-1.987 BELMEZ DE LA MORALEDA (JAEN)



HO= 00h 36m 40.5s **Lon=** 3° 23.8'W **Lat=** 37° 43.6'N **h=** 6Km **Mb=** 4.3

	ACIMUT	BUZAMIENTO
Eje T	82° ± 7°	194° ± 6°
Eje P	85° ± 8°	284° ± 6°

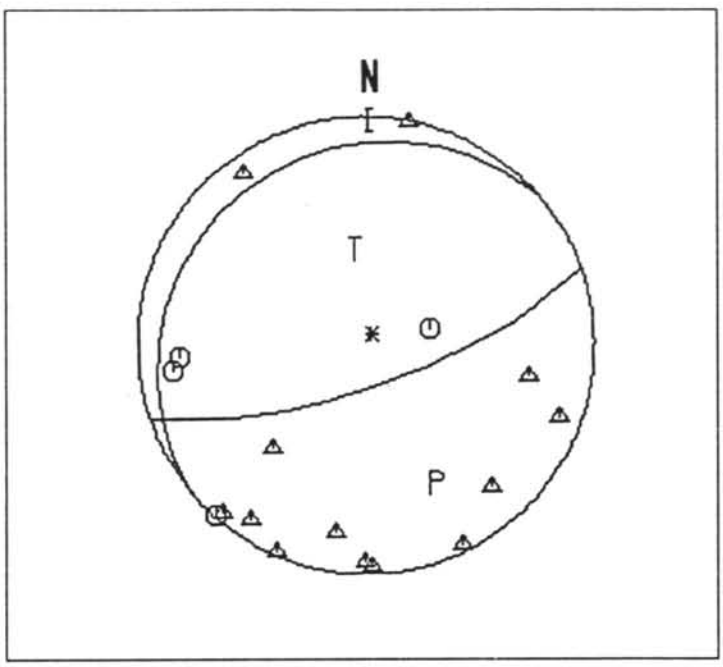
	ACIMUT	BUZAMIENTO	ANG.DESL.
Plano A	239° ± 6°	88° ± 13°	170° ± 6°
Plano B	329° ± 6°	80° ± 6°	2° ± 13°

Número de observaciones= 29

Indice de acierto= 0.83

Referencia: **Buforn E., Udias A. and Mezcua J.**: "Seismicity and focal mechanisms in South Spain". *Bull. Seism. Soc. Am. 78, 2008-2024, (1.988).*

27-MARZO-1.987 TORRE DEL MAR (MALAGA)



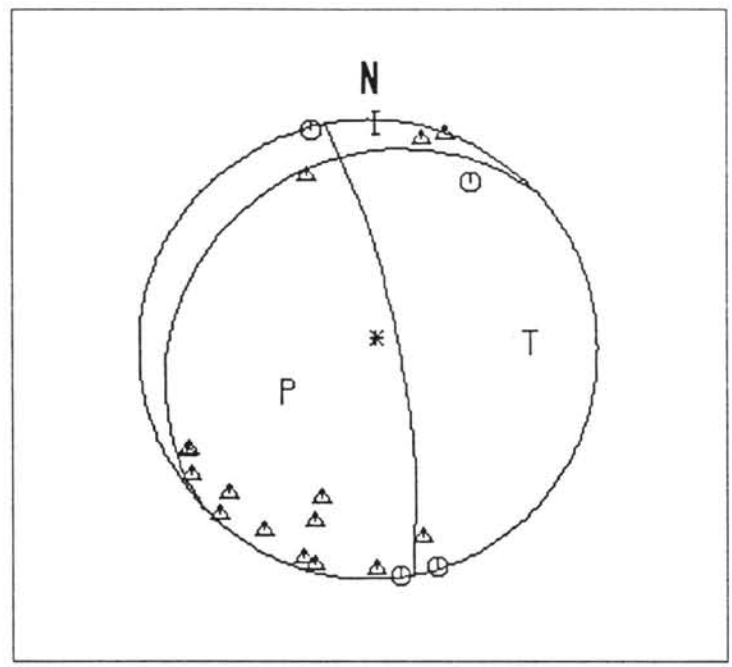
HO = 09h 38m 25.3s **Lon =** 4° 05.7'W **Lat =** 36° 47.1'N **h =** 69Km **Mb =** 3.5

	ACIMUT	BUZAMIENTO	
Eje T	31° ± 1°	349° ± 1°	
Eje P	60° ± 1°	157° ± 1°	
	ACIMUT	**BUZAMIENTO**	**ANG.DESL.**
Plano A	231° ± 2°	16° ± 1°	110° ± 3°
Plano B	72° ± 1°	75° ± 1°	84° ± 1°

Número de observaciones = 17

Indice de acierto = 0.94

23-JULIO-1.987 NORESTE DE LARACHE (MARRUECOS)



HO = 11h 57m 27.8s **Lon =** 5° 54.6'W **Lat =** 35° 17.7'N **h =** 100Km **Mb =** 3.9

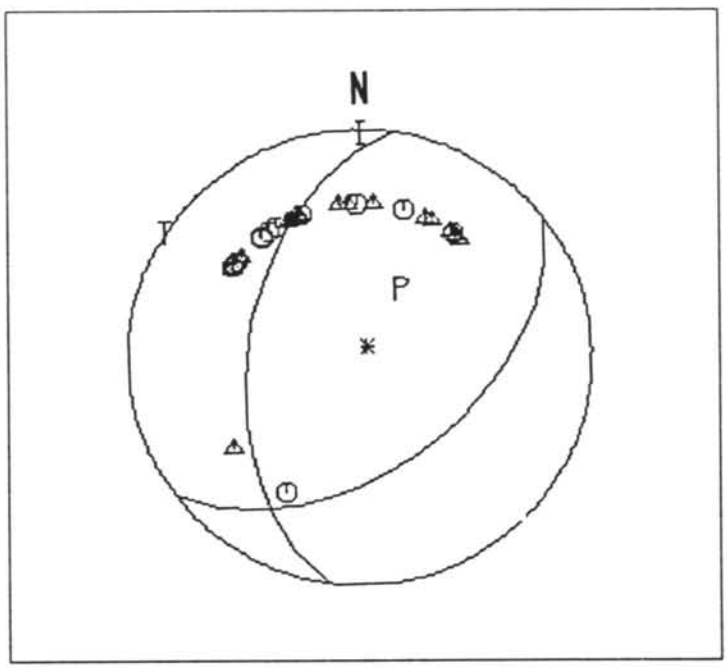
	ACIMUT	BUZAMIENTO
Eje T	58° ± 6°	92° ± 6°
Eje P	37° ± 5°	239° ± 8°

	ACIMUT	BUZAMIENTO	ANG.DESL.
Plano A	227° ± 13°	19° ± 7°	33° ± 30°
Plano B	349° ± 3°	79° ± 5°	106° ± 11°

Número de observaciones = 19

Indice de acierto = 0.89

9-DICIEMBRE-1.987 NORTE DE ALHUCEMAS



HO= 15h 40m 33.1s **Lon=** 3° 49.2'W **Lat=** 35° 25.4'N **h=** 7Km **Mb=** 4.3

	ACIMUT	BUZAMIENTO	
Eje T	90°±14°	302°±23°	
Eje P	24°±71°	32°±30°	
	ACIMUT	**BUZAMIENTO**	**ANG.DESL.**
Plano A	54°±72°	50°±22°	58°± 24°
Plano B	190°±50°	50°±20°	122 ± 28°

Número de observaciones= 28

Indice de acierto= 0.64

SISMICIDAD DE LAS ISLAS CANARIAS AÑO 1.987

-Resumen de sismos localizados

-Mapa de sismicidad por magnitudes

-Datos del cálculo hipocentral

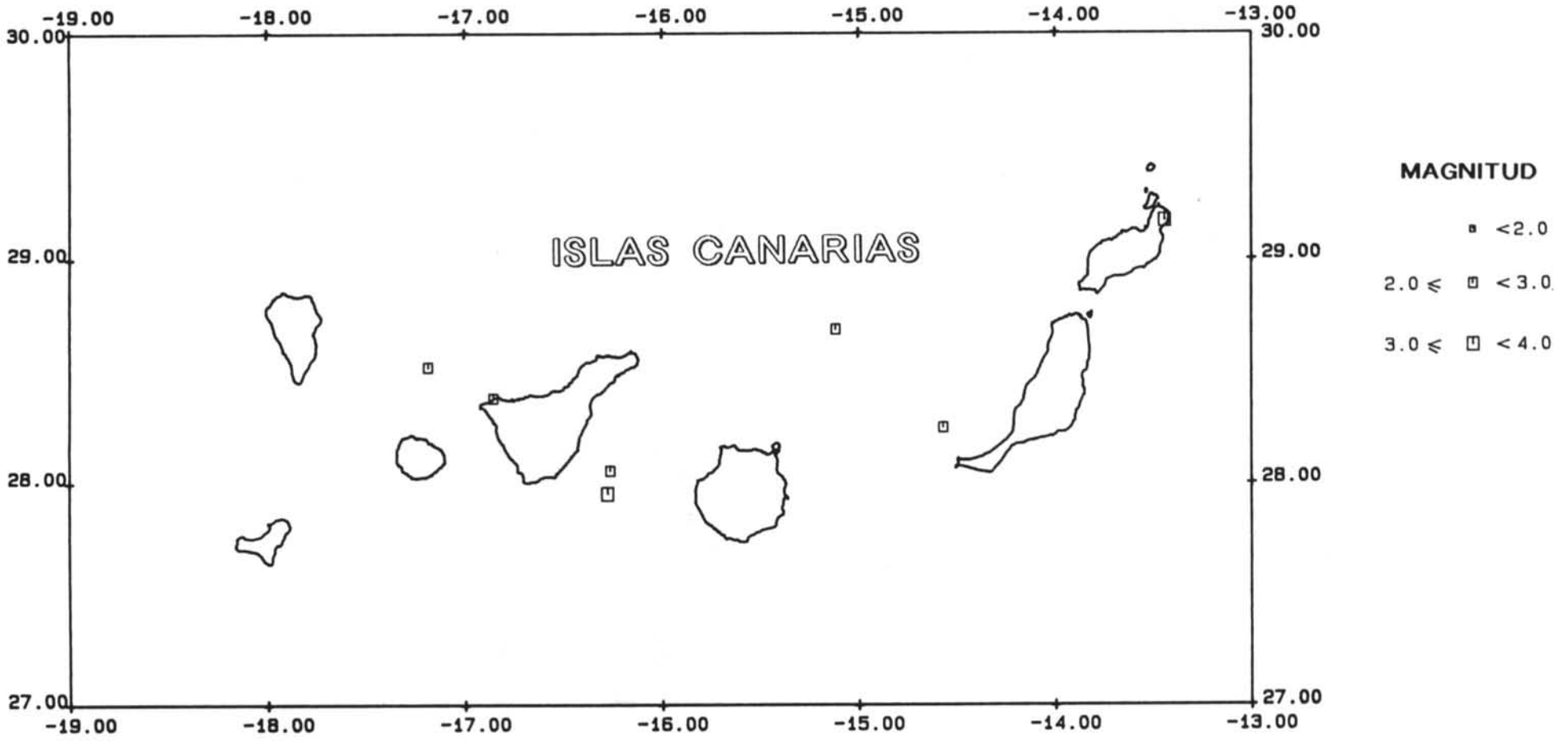
LEYENDA

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

SISMOS LOCALIZADOS AÑO 1.987

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1987-01-12	05-18-46.5	16-51.2 W	28-23.0 N	18	0.5	1	1	6	SSIS	2.9		BUENAVISTA DEL NORTE.TF
1987-04-09	00-44-18.4	16-15.7 W	28-03.4 N	15	0.2	3	6	5	SSIS	2.5		TENERIFE-GRAN CANARIA
1987-04-11	03-58-30.5	17-11.1 W	28-31.5 N	5	0.5	3	2	7	SSIS	2.8		NW.TENERIFE
1987-07-01	11-08-04.2	15-06.8 W	28-41.5 N	2	0.1	2	1	5	SSIS	2.4		NE.GRAN CANARIA
1987-07-07	16-51-44.6	13-26.3 W	29-10.4 N	19	0.2	4		6	SSIS	3.5		E.LANZAROTE
1987-07-29	19-49-19.4	16-16.6 W	27-57.2 N	10	0.5	5	7	7	SSIS	3.0		TENERIFE-GRAN CANARIA
1987-08-01	21-07-10.7	14-34.0 W	28-15.0 N	19	0.1	2		5	SSIS	2.6		W.FUERTEVENTURA

SISMICIDAD 1.987 POR MAGNITUDES



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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 DEL CÁLCULO HIPOCENTRAL

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	CTFE	I		05 18 56.2	I		05 19 02.2	0.2		55
	TBT	I		05 19 02.5	I		05 19 13.1	0.2		42
	GGC	I		05 19 04.2	E		05 19 16.2	0.1		53

12-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	051846.5	28 23	-16 51	18	0.5	2.9		BUENAVISTA DEL NORTE

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	CTFE	I		00 44 26.4	I		00 44 31.7	0.2		48
	GGC	I		00 44 28.2	I		00 44 35.3	0.2		30
	TBT				E		00 45 00.4			

09-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	004418.4	28 03	-16 16	15	0.2	2.5		TENERIFE-GRAN CANARI

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	TBT	I		03 58 42.8	I		03 58 53.7	0.2		44
	CTFE	I		03 58 45.4	I		03 58 57.8	0.1		48
	CVVD	E			E		03 59 01.1	0.2		40
	GGC	I		03 58 54.0	I		03 59 11.9	0.1		39

11-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	035830.5	28 31	-17 11	5	0.5	2.8		NW.TENERIFE

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	GGC	I		11 08 17.8	I		11 08 27.8	0.1		26
	CFTV	I		11 08 20.7	I		11 08 33.3	0.1		35
	CTFE				E		11 08 35.3	0.1		

01-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	110804.2	28 41	-15 07	2	0.1	2.4		NE.GRAN CANARIA

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	CFTV	I		16 51 59.8	I		16 52 10.7	0.1		
	GGC	I		16 52 17.2	I		16 52 41.6	0.1		50
	CTFE	I		16 52 22.0	I		16 52 50.5	0.2		49

07-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	165144.6	29 10	-13 26	19	0.2	3.5		E.LANZAROTE

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	CTFE	I		19 49 29.0	I		19 49 36.0	0.2		70
	GGC	I		19 49 29.2	I		19 49 37.0	0.2		56
	TBT				I		19 50 02.9	0.2		
	CFTV	I		19 49 50.1	I		19 50 12.5	0.2		45

29-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	194919.4	27 57	-16 17	10	0.5	3.0		TENERIFE-GRAN CANARI

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CFTV	I		21 07 19.0	I		21 07 25.0		0.1	48
GGC	I		21 07 26.0	I		21 07 37.0		0.2	32
CTFE				I		21 07 50.8			

01-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	210710.7	28 15	-14 34	19	0.1	2.6		W.FUERTEVENTURA

PVP: 1.000 Ptas.