

INSTITUTO GEOGRAFICO NACIONAL DE ESPAÑA

---

**SECCION DE SISMOLOGIA**

BOLETIN  
DE SISMOS PROXIMOS

**AÑO 1982**

SECCION DE SISMOLOGIA

Apdo. 3007. MADRID.

Télex: 23465 IGC E.

INSTITUTO GEOGRAFICO NACIONAL DE ESPAÑA

SECCION DE SISMOLOGIA

PERSONAL

JEFE DE LA SECCION      J. MEZCUA  
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INFORMACION Y DATOS DEL BOLETIN

- 1.- DATOS DE ESTACIONES: En la descripción figuran los siguientes caracteres.

EST	Código de la estación
I/E	Fase impulsiva (I) o emergente (E)
W	Peso de la estación. '*' Peso nulo
HORA P	Hora de llegada de la primera fase
HORA S	Hora de llegada de la fase 'S' correspondiente
AMP	Amplitud del movimiento en micrones
PER	Período en segundos
DUR	Duración en segundos

- 2.- DATOS DE CALCULO HIPOCENTRAL. La solución presentada a continuación de la lista de estaciones y en resumen aparte, corresponde en cada caso a la Agencia cuya abreviatura se cita a continuación.

SSIS	Sección de Sismología del I.G.N. (MADRID)
NEIS	National Earthquake Information Service (BOULDER)
CSEM	Centro Sismológico Europeo-Mediterráneo (ESTRASBURGO)
LDGP	Laboratorio de Detección y de Geofísica (PARIS)
SPGM	Servicio de Física del Globo de Marruecos (RABAT)
IMGP	Instituto de Meteorología y Geofísica de Portugal (LISBON)

## D A T O S

FECHA	Día y mes
HO	Hora origen (GMT)
LAT	Latitud en grados y minutos. Siempre Norte
LONG	Longitud en grados y minutos. Signo ('-') Oeste
PRO	Profundidad en km.
RMS	Error cuadrático medio
MAG	Magnitud 'MB' a partir de la fase 'LG'
IO	Intensidad máxima en el epicentro

- 3.- RESUMEN DE LA ACTIVIDAD SISMICA DEL AREA. Se incluye una lista cronológica con toda la información calculada, así como un mapa de epicentros de la zona.

EH	Error del epicentro en km
EZ	Error en profundidad en km
+	Mapa de isosistas
P	Premonitorio
R	Réplica
S	Submarino. Sentido en tierra
T	Tsunami

- 4.- INFORMACION MACROSISMICA. Se presentan los mapas de isosistas de los terremotos en los que se ha podido evaluar la distribución de intensidades.

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		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
LGR	E	02	13	36.0	I	02	13	45.5	0.23	1.1	70		
GUD	E	02	13	55.7	I	02	14	17.2					
EPF		02	14	10.0	*	02	14	43.0					
TDL	E	* 02	14	12.0	E	* 02	14	41.0	0.04	0.4	55		
EBR	E	* 02	14	25.0	E	* 02	15	06.0					
CAF		* 02	14	34.6									
03-ENE	HO	LAT	LONG	PRD	RMS	MAG	IO						
SSIS	021327.8	42 05	-03 02	10	0.9	3.1		QUINTANA DE LA S.BU					
EPF		16	33	07.2									
LGR	I	16	33	14.8									
LFF		16	33	24.0									
LPO		16	33	24.4									
EBR	E	16	33	31.0									
RJF		16	33	32.0									
CAF		16	33	32.4									
MFF		16	33	41.9									
LSF		16	33	42.8									
GUD		16	33	43.0									
TCF		16	33	46.1									
MZF		16	33	47.8									
TOL	I	16	33	50.5	I	16	34	36.0	2.07	0.7	500		
AVF		16	33	58.4									
LPF		16	34	00.4		16	34	52.8					
SMF		16	34	00.4									
SSF		16	34	02.0		16	34	56.9					
ALI	I	16	34	03.5	E	16	34	56.4			310		
LBF		16	34	04.1									
GRR	*	16	34	05.1									
LOR		16	34	06.8									
STS	I *	16	34	07.7	I *	16	35	07.7			216		
SSC		16	34	08.6									
LRG		16	34	08.6									
LMR		16	34	09.8									
FLN		16	34	10.8		16	35	13.0					
MTE		16	34	11.5		16	35	14.5					
PTO	I	16	34	17.4	I *	16	35	47.2					
COI	I	16	34	21.2	I	16	35	28.3					
CRT	I	16	34	23.8									
ALM	I	16	34	25.4	I *	16	36	16.2	2.96	2.0	436		
HAU		16	34	29.2					0.68	0.6			
MAL	I	16	34	32.0	I	16	35	45.7			300		
BSF		16	34	32.2									
LTS		16	34	39.4									
CDP		16	34	41.6					0.50	0.8			
IFR	I *	16	35	12.0	I *	16	37	01.5					
AVE	I	16	35	27.0	I *	16	37	24.5					



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		EST I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
18-ENE	TOL E		18 43 34.0	E	18 44 15.0	0.04	0.8	140
	GUD E *		18 43 52.7					
	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	184238.0	36 37	-02 30	5	1.9	3.2		GOLFO DE ALMERIA
22-ENE	ALI I		14 28 52.5	E	14 28 56.6			73
	TOL E		14 29 40.0			0.02	0.6	125
	EBR E *		14 29 46.0					
GUD E		14 29 47.3						
HO	LAT	LONG	PRO	RMS	MAG	IO		
SSIS	142852.2	38 21	-00 29	10	1.0	3.0		ALICANTE
27-ENE	EPF		00 19 12.0					
	LGR E		00 19 27.4	I *	00 19 47.2	0.15	0.8	110
	LPD		00 19 30.0			0.01	0.1	
	LFF		00 19 30.4			0.02	0.2	
	CAF		00 19 37.9		00 20 07.5			
	RJF		00 19 38.0			0.02	0.2	
	EBR E *		00 19 46.0	E *	00 20 16.0			
	LSF		00 19 49.1		00 20 26.1			
	MFF		00 19 49.8					
	TCF		00 19 52.3		00 20 32.4			
	MZF		00 19 54.3		00 20 35.4			
	AVF		00 20 05.2					
	SMF		00 20 06.5					
	SSF		00 20 08.1					
	LPF		00 20 08.6		00 21 01.2			
	SSC		00 20 16.3					
	FLN		00 20 18.0					
TOL E *		00 21 11.0				0.02	0.8	
HO	LAT	LONG	PRO	RMS	MAG	IO		
SSIS	001859.4	43 20	-00 33	10	0.4	3.2		MONTEIN.FR
30-ENE	MAL I		19 02 45.2					85
	CRT I		19 02 47.7					
	ALC I		19 02 48.0					
	ALM I		19 02 56.7	I	19 03 12.5	0.20	0.4	154
	IFR I		19 03 26.5	I	19 04 05.0			44
	TOL E *		19 03 54.0	I *	19 04 16.0	0.04	0.8	70
HO	LAT	LONG	PRO	RMS	MAG	IO		
SSIS	190236.7	36 40	-03 52	10	0.4	3.1		NERJA.MA

BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
		EPF			09 11	46.5			09 12	00.7			
	E	LGR			09 11	52.7	I		09 12	09.5	0.17	0.9	65
		LFF			09 12	09.1			09 12	36.6			
		LPO			09 12	09.2			09 12	36.7			
		RJF	*		09 12	10.1							
		CAF	*		09 12	10.4							
		LSF	*		09 12	21.4	*		09 12	59.8			
		MFF			09 12	33.3			09 13	17.3			
04-FEB	HD				LAT	LONG	PRO	RMS	MAG	ID			
		SSIS			091130.2	42 54 -00 57	5	0.6	3.3				ISABANA
		LGR	E		23 25	21.3	I		23 25	30.1	0.19	0.9	65
		EPF			23 25	36.0			23 25	58.1			
		LFF			23 25	55.3							
		LPO			23 25	56.6							
		RJF			23 26	02.3							
		CAF			23 26	02.9							
	E	EBR	*		23 26	03.0	E	*	23 26	35.0			
		LSF			23 26	11.4							
		MZF			23 26	17.7			23 27	12.0			
		TCF	*		23 26	19.9							
06-FEB	HD				LAT	LONG	PRO	RMS	MAG	ID			
		SSIS			232510.2	42 51 -01 54	10	1.2	3.0				PAMPLONA
		MAL	E		23 29	35.0	I		23 29	51.0			65
		ALC	E		23 29	42.6							85
		IFR	I		23 29	52.0	I		23 30	20.0			
06-FEB	HD				LAT	LONG	PRO	RMS	MAG	ID			
		SSIS			232914.3	35 38 -03 57	5	0.1	4.0				ALBORAN
		AVE	I		17 07	11.5	I		17 07	47.0			
		IFR	I		17 07	29.0	I		17 08	18.5			
		TID	I		17 07	40.0	I		17 08	39.5			
		ALC	I		17 07	41.0							
12-FEB	HD				LAT	LONG	PRO	RMS	MAG	ID			
		SSIS			170623.4	35 43 -09 42	5	0.5					ATLANTICO
		GUD	I		13 46	34.7							
		ALC	E		13 46	43.9							
		CRT	I		13 46	44.5	I	*	13 47	07.7			
		IFR	I	*	13 46	45.0							

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		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR		
		AVE	I		13	46	50.0								
		TIO	E	*	13	46	52.0								
20-FEB		HO			LAT	LONG	PRO	RMS	MAG	IO					
		SSIS	134514.7	39	12	-11	00	10	0.4	ATLANTICO					
		IFR	I	*	23	38	36.5	I	*	23	38	47.0			
		ALM	I		23	40	12.0	I		23	40	20.4	1.02	0.3	86
		ALR	I		23	40	13.0	I		23	40	21.0			
		ALC	I		23	40	16.0						150		
		CRT	I		23	40	16.3	I		23	40	26.6			
		MAL	E		23	40	18.0	I		23	40	31.8	0.74	0.5	83
		TOL	E	*	23	41	00.0						0.04	0.8	120
		GUD	E	*	23	41	20.0								
20-FEB		HO			LAT	LONG	PRO	RMS	MAG	IO					
		SSIS	234001.4	36	32	-03	05	37	0.8	3.8	MEDITERRANEO				
		TOL	I	*	17	59	33.0						1.25	0.7	128
		GUD	I		17	59	34.0	E		17	59	50.8			
		EBR	E		17	59	50.0								
		LGR	I	*	17	59	53.0	I	*	18	00	20.0	1.12	1.1	250
		ALC	E	*	17	60	00.5	E	*	17	60	46.9	205		
		ALI	E		17	60	00.9	E		17	60	30.8	105		
		EPF	E		17	60	05.6								
		CRT	E	*	17	60	09.5	I		17	60	46.3			
		MAL	E	*	17	60	11.0	I	*	18	01	10.0	0.64	0.4	120
		COI	E		17	60	18.0	I	*	18	01	30.7			
		LPO	E		17	60	28.4						0.06	0.4	
		LFF	E		17	60	28.9						0.05	0.4	
		CAF	E		17	60	35.4						0.06	0.5	
		RJF	E		17	60	36.9						0.06	0.5	
		MFF	E		17	60	46.1						0.06	0.5	
		LSF	E		17	60	47.4						0.06	0.5	
		STS	E	*	17	60	51.0						0.06	0.5	
		MZF	E	*	17	60	52.3						0.06	0.5	
		ALM	I	*	17	60	59.5	I	*	17	02	08.5	163		
23-FEB		HO			LAT	LONG	PRO	RMS	MAG	IO	0.44	1.2	30		
		SSIS	175913.8	40	34	-02	41	5	1.1	4.1	V GASCUENA.GU				
		ALI	E		08	24	34.0	E		08	24	51.4	80		
		ALM	I		08	24	34.6	I		08	24	48.1	0.43	1.1	64
		ALC	I		08	24	43.1	E		08	25	03.6	200		
		MAL	E		08	24	56.5	I	*	08	25	30.5	0.73	0.7	100
		TOL	E	*	08	25	06.0	E	*	08	25	43.0	0.11	0.6	150



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		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR		
		GUD	E		08	25	08.7								
		LGR	E		08	25	27.5	E	08	26	21.5	0.24	1.3	160	
		EBR	E	*	08	25	34.0								
		EPF			08	25	36.6		*	08	26	59.6			
26-FEB		HO			LAT	LONG	PRO	RMS	MAG	IO					
		SSIS			082415.8	37 40 -01 35	10	1.1	3.8	III	LORCA.MU				
		AVE	I		18	09	32.0	I	18	10	06.0				
		IFR	I		18	09	45.5	I	18	10	31.5				
		ALC	E		18	09	52.0								
26-FEB		TIO	I		18	10	04.0	I	18	11	02.5				
		HO			LAT	LONG	PRO	RMS	MAG	IO					
		SSIS			180845.7	36 03 -08 57	10	0.6			S. CABO SAN VICENTE				
		ALR	I		16	40	43.5	I	*	16	41	03.5			
		MAL	E		16	40	51.0	I	*	16	41	09.5	0.38	0.5	65
		IFR	I		16	40	53.0	I		16	41	16.0			
		ALC	I		16	40	59.0							115	
		AVE	E		16	41	14.0	I		16	41	51.5			
02-MAR		TIO	I		16	41	37.5	E	*	16	42	34.0			
		HO			LAT	LONG	PRO	RMS	MAG	IO					
		SSIS			164023.4	35 06 -04 01	10	0.5	4.0		ACHDIR.MAC				
		ALM	I		08	28	14.3	I		08	28	35.2	0.18	1.0	77
		MAL	E	*	08	28	38.0	I		08	29	09.7	0.07	0.4	65
		IFR	I		08	28	49.0								
07-MAR		TOL	E	*	08	29	12.0	I	*	08	30	10.0	0.03	0.8	90
		HO			LAT	LONG	PRO	RMS	MAG	IO					
		SSIS			082744.9	35 49 -00 34	20	0.4	3.4		ORAN.ARG				
		MAL	I		16	26	04.0				2.98	0.5	110		
		CRT	I		16	26	05.7	I		16	26	13.2			
		ALC	I		16	26	06.2							180	
		ALR	I		16	26	15.0	I		16	26	29.0			
		ALM	I	*	16	26	19.9	I		16	26	31.7	0.44	0.8	75
		IFR	I		16	26	48.0	I		16	27	26.5			
		TOL	E	*	16	26	49.0	I	*	16	27	28.0	0.08	0.6	150
		GUD	E	*	16	27	10.0								
		LGR	E	*	16	27	19.0	E		16	28	28.0	0.19	1.3	160

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		EST I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
07-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	162556.4	36 44	-03 52	10	0.5	3.7	IV	ALMUNECA,GR
LGR	I	14 49	49.0	I	14 49	58.8	5.17	0.6 250
EPF		14 50	04.8					
GUD	I	14 50	20.0	E *	14 50	59.0		
EBR		14 50	21.0	E	14 50	52.0		
LFF		14 50	21.7					
LPD		14 50	22.9	*	14 50	58.8	0.10	0.5
TOL	I	14 50	29.4	E	14 51	08.0	0.17	0.8 240
RJF		14 50	30.0		14 51	11.7	0.09	0.7
CAF		14 50	30.4		14 51	12.9	0.07	0.6
MFF		14 50	36.0	*	14 51	22.7	0.04	0.6
LSF		14 50	39.6		14 51	27.1		
TCF		14 50	44.0		14 51	36.2		
MZF		14 50	45.9		14 51	36.8		
AVF		14 50	57.0		14 51	57.1	0.04	0.7
SMF		14 50	58.8		14 52	01.0	0.02	0.6
GRR	*	14 51	00.0	I *	14 52	00.4	0.02	0.6
ALC	E	14 51	01.0					
LOR		14 51	04.7		14 52	12.0		
11-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	144937.7	42 53	-01 54	7	0.8	3.8	IV	PAMPLONA,NA
LGR	E	04 53	59.0	E	04 54	09.6	0.23	0.8
EPF		04 54	17.4				0.01	0.2
LPD		04 54	35.4	*	04 55	11.2		
RJF		04 54	42.8		04 55	23.1		
CAF		04 54	43.8		04 55	25.0		
EBR	E *	04 54	56.0					
MZF		04 54	58.1		04 55	51.1		
12-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	045349.8	42 41	-01 46	10	0.9	3.1		PUENTE LA REINA,NA
EPF		06 52	40.6		06 52	48.0	0.14	0.2
LGR	E	06 53	04.0	I	06 53	26.0	0.34	0.6 100
LPD		06 53	07.7		06 53	33.7	0.12	0.4
LFF		06 53	09.1		06 53	36.6	0.11	0.3
CAF	*	06 53	11.3				0.05	0.4
EBR	*	06 53	15.0	E *	06 53	45.0		
RJF	*	06 53	19.4	*	06 53	53.6	0.05	0.3
LSF	*	06 53	22.8					

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		EST I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
12-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	065232.2	42 35	00 07	16	0.5	3.9		BIFLSA.HU
	EPF	18 58	52.1				0.20	0.2
	LPO	18 59	20.7				0.13	0.2
	LFF	18 59	24.6					
	LGR I	18 59	27.1	E	18 59	52.0	0.17	0.7
	CAF	18 59	28.0					
	EBR E	18 59	29.0	E	18 59	57.0		
	RJF	18 59	30.4				0.05	0.2
	LSF	18 59	40.9					
	TCF	18 59	44.3					
	MZF	18 59	46.2					
	SMF	18 59	56.9					
14-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	185851.4	43 07	00 14	5	0.8	3.6		BAGNERES BIGORRE.FR
	ALI E	22 58	50.2	I	22 58	54.2		65
	ALC E	22 59	31.5					
	TDL E	22 59	36.0	E	23 00	14.0	0.02	0.9
	GUD E *	22 59	49.3	E *	23 00	32.6		80
16-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	225849.4	38 23	-00 48			2.8		IV NOVELDA.A
	AVE I	19 35	29.0	I	19 36	06.0		
	ALC I	19 35	30.5	E	19 36	06.2		80
	IFR I	19 35	33.0	I	19 36	11.0		
17-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	193442.0	36 22	-07 17	6	0.6			GOI FO DE CADIZ
	ALC E	12 47	30.0	E	12 48	04.0		130
	AVE I	12 47	38.5	I	12 48	17.0		
	IFR I	12 47	40.0	I	12 48	20.0		
	GUD E	12 47	56.6					
	TIO I	12 48	10.0	I	12 49	13.5		
22-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	124647.0	36 37	-06 56	5	0.6			GOI FO DE CADIZ
	MFF	17 02	27.4		17 03	05.1		

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		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR	
		LPF			17	02	27.6							
		STS	E		17	02	30.0	E *	17	03	09.0		172	
		GRR			17	02	31.9							
		LGR	I		17	02	33.1	I *	17	03	09.6		210	
		LFF			17	02	36.2			17	03	19.8		
		LPO			17	02	41.4			17	03	28.4		
		EPF			17	02	43.7			17	03	33.2		
		GUD	E *		17	02	48.9							
		LIS	I		17	02	58.3	I *	17	04	06.2			
		COI	I		17	02	58.3	I	17	04	06.2			
		EBR	E		17	03	06.5	E *	17	04	15.0			
		TOL	I *		17	03	20.0	I *	17	04	03.6	0.75	0.4	
		ACU	E *		17	03	32.0						200	
		ALC	I *		17	03	37.5	E *	17	05	04.0		28	
25-MAR													175	
		LDGP	HO	LAT	LONG	PRO	RMS	MAG	IO					
				170136.4	45 48 -04 42			4.7		ATLANTICO				
		LGR	E		05	01	59.7	I	05	02	08.2	0.43	0.9	85
		EPF			05	02	14.0		05	02	36.1			
		GUD	E		05	02	29.0							
		LFF			05	02	31.7	*	05	03	06.6	0.02	0.5	
		LPO			05	02	32.6		05	03	07.5	0.07	0.3	
		EBR	E *		05	02	35.0	E	05	03	04.5			
		RJF			05	02	40.1	*	05	03	21.9	0.01	0.4	
		CAF			05	02	40.5		05	03	20.8	0.00	0.2	
		LSF			05	02	49.5		05	03	37.4	0.00	0.3	
		TCF			05	02	53.8		05	03	45.8	0.00	0.3	
		MZF			05	02	54.8		05	03	48.2	0.00	0.5	
		SSF			05	03	09.3		05	04	13.5			
		TOL	E *		05	03	36.0					0.05	0.8	
30-MAR														
		SSIS	HO	LAT	LONG	PRO	RMS	MAG	IO					
				050147.9	42 55 -01 57	10	1.1	3.3		IRURZUN,NA				
		LGR	I		11	14	42.1	I	11	14	50.5	0.77	0.9	115
		EPF			11	14	56.6		11	15	18.4			
		GUD	E		11	15	12.6	E *	11	15	55.2			
		LFF			11	15	14.6		11	15	47.8	0.03	0.4	
		LPO			11	15	15.5		11	15	49.1	0.02	0.4	
		EBR	E *		11	15	16.0	E	11	15	45.0			
		RJF			11	15	22.5	E	11	16	02.2	0.04	0.4	
		MFF			11	15	30.0	E *	11	15	45.0			
		LSF			11	15	31.6		11	16	19.3	0.01	0.3	
		TOL	E *		11	15	32.0	I *	11	16	13.2	0.06	0.8	120
		TCF			11	15	36.1		11	16	27.3	0.01	0.3	
		MZF			11	15	38.0		11	16	30.3	0.01	0.4	

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		EST I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
		AVF	11 15 48.4		11 16 47.6			
		SMF	11 15 51.4		11 16 52.6			
		SSF	11 15 52.5		11 16 56.5	0.01	0.6	
		LBF	11 15 55.4		11 17 00.6			
		LDR	11 15 56.3		11 17 02.0			
30-MAR	HO	LAT	LONG	PRO	RMS	MAG	ID	
SSIS	111430.4	42 52	-01 54	10	0.8	3.4		IRURZUN,NA
		ALR	I 09 06 05.0	I *	09 06 12.0			
		MAL	I * 09 06 13.0			1.40	0.5	135
		ALM	I 09 06 19.2	I	09 06 41.7	0.42	0.5	125
		ALC	E 09 06 21.4					
		IFR	I 09 06 23.0	I	09 06 48.5			
		CRT	I * 09 06 23.8	I	09 06 47.5			
		AVE	I 09 06 42.5	I	09 07 25.0			
		TOL	I 09 06 59.0	E	09 07 52.0	0.03	0.8	160
		TID	I 09 07 06.7	I *	09 08 07.0			
03-ABR	HO	LAT	LONG	PRO	RMS	MAG	ID	
SSIS	090548.5	35 11	-03 35	10	1.0	3.5		ANUAL,MAC
		LGR	E * 16 03 28.3	I	16 03 37.3	0.24	0.9	80
		EPF	16 03 42.8		16 04 04.8	0.02	0.3	
		LFF	16 04 01.0	*	16 04 35.7	0.01	0.4	
		LPO	16 04 02.0		16 04 36.0			
		EBR	E * 16 04 04.0	E	16 04 34.0			
		RJF	16 04 08.4		16 04 50.2			
		CAF	16 04 09.4		16 04 50.1			
		TOL	E * 16 04 50.0	E *	16 05 03.0	0.02	0.8	35
03-ABR	HO	LAT	LONG	PRO	RMS	MAG	ID	
SSIS	160316.7	42 57	-01 50	5	1.0	3.0		IRURZUN,NA
		LIS	23 04 02.1		23 04 14.6			
		COI	I 23 04 10.6	I	23 04 34.0			
		STS	E 23 04 35.0					15
		TOL	I 23 04 54.0	I	23 05 51.0	0.17	0.8	300
		GUD	I 23 04 55.2	I	23 05 52.0			
		MAL	I 23 05 01.5	I	23 06 00.5	0.72	0.4	160
		ALC	E 23 05 05.6	E *	23 06 07.0			
		CRT	E 23 05 07.0	I	23 06 11.0			
		AVE	I 23 05 11.5	I *	23 06 18.0			
		LGR	E 23 05 19.7	I	23 06 33.7	0.37	1.3	280
		IFR	I 23 05 22.0	I *	23 06 39.5			
		TID	I 23 05 42.0	I *	23 07 11.5			

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		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
	EBR	E	23	05	43.0	E	23	07	14.0				
	EPF		23	05	49.2		23	07	26.2	0.04	0.6		
	LFF		23	06	02.7	*	23	07	49.7	0.02	0.4		
	LPO		23	06	04.8	*	23	07	51.8				
	MFF		23	06	08.4	*	23	08	10.8				
	RJF		23	06	11.1	*	23	08	05.0	0.04	0.3		
	CAF		23	06	13.3	*	23	08	07.0				
	LPF		23	06	15.8								
	LSF		23	06	18.2		23	08	18.3				
	TCF		23	06	23.8	*	23	08	26.0				
	MZF		23	06	25.9	*	23	08	30.4				
	SSC		23	06	26.8	*	23	08	31.0				
	AVF		23	06	36.7	*	23	08	50.7				
	SMF		23	06	39.3	*	23	08	52.5				
	SSF		23	06	39.9	*	23	08	52.6				
	LBF		23	06	42.7	*	23	09	01.9				
	LDR		23	06	43.9	*	23	09	02.5				
	LRG		23	06	49.1								
	ALI	E *	23	06	59.9								
	HAU		23	07	08.4								
04-ABR	HO		LAT	LONG	PRO	RMS	MAG	IO					
	SSIS	230338.2	39 18	-10 46	60	1.2	4.4						ATLANTICO
	ALC	L	00	56	46.0								
	CRT	I	00	56	46.1	I	00	56	49.0				
	MAL	I	00	56	51.0	I	00	57	00.0	2.32	0.6	55	
	ALM	I	00	57	00.4	I	00	57	16.2	0.19	0.3	30	
05-ABR	HO		LAT	LONG	PRO	RMS	MAG	IO					
	SSIS	005639.7	37 13	-03 55	18	0.4	3.8						ILLORA.GR
	TOL	I *	17	02	20.2	I	17	02	37.5	0.11	0.6	110	
	LGR	E	17	02	41.0	I	17	03	11.6	0.11	0.8	80	
	EPF	*	17	02	49.6		17	03	45.3				
	ALC	E	17	02	51.9	E *	17	03	31.0				
07-ABR	HO		LAT	LONG	PRO	RMS	MAG	IO					
	SSIS	170205.2	40 11	-02 48	5	0.9	3.2						GARCINARO.CU
	EPF	*	14	54	50.2								
	LGR	E	14	55	17.0	I	14	55	39.0	0.12	0.8	70	
	LPO	*	14	55	18.0		14	55	44.0	0.03	0.2		
	LFF		14	55	19.8		14	55	46.0	0.02	0.2		
	CAF		14	55	28.8		14	56	02.5				
	EBR		14	55	29.0	E	14	56	00.0				

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR	
		RJF			14	55	29.5	*	14	56	03.8	0.01	0.2	
		LSF	*		14	55	34.2							
		MZF			14	55	52.1		14	56	41.2			
11-ABR	HO				LAT	LONG			PRO	RMS	MAG	IO		
SSIS		145448.6	43	14	-00	29			5	0.8	3.3		DLORON.FR	
		EPF	*		20	22	21.7							
		EBR	E		20	22	22.0	E	20	22	48.0 <sup>9</sup>			
		CAF	*		20	22	34.9				0.01	0.2		
		LPO	*		20	22	35.2				0.01	0.2		
		LRG			20	22	33.6		20	23	09.7			
		LMR			20	22	33.6		20	23	08.4			
		LFF	*		20	22	50.7	*	20	23	34.2	0.02	0.3	
		CVF			20	22	51.6		20	23	42.0			
		MZF	*		20	23	07.5	*	20	24	03.3			
11-ABR	HO				LAT	LONG			PRO	RMS	MAG	IO		
SSIS		202146.7	41	34	03	11			7	0.5	3.0		MEDITERRANEO	
		LGR	E		10	06	18.8	I	10	06	27.2	0.35	1.0	110
		EPF			10	06	33.6		10	06	54.8			
		LFF			10	06	50.6		10	07	24.5	0.02	0.5	
		LPO			10	06	51.3		10	07	25.8	0.01	0.4	
		EBR	E	*	10	06	54.0	E	10	07	23.0			
		RJF			10	06	59.1		10	07	40.0	0.02	0.4	
		CAF			10	06	59.3		10	07	40.1			
		TCF			10	07	12.0		10	08	02.7			
		MZF			10	07	13.6		10	08	05.9			
		TOL	E	*	10	07	20.0	E	10	07	50.0	0.05	0.8	70
		AVF			10	07	26.2							
		SSF			10	07	28.7		10	08	32.2			
12-ABR	HO				LAT	LONG			PRO	RMS	MAG	IO		
SSIS		100605.6	42	55	-01	57			5	0.9	3.2		IRURZUN.NA	
		TOL	E	*	11	20	23.0		11	20	39.0	0.06	1.0	40
		LGR	E	*	11	20	44.3	I	11	20	52.6	0.18	1.0	70
		EPF	*		11	20	58.1		11	21	19.8			
		EBR	E	*	11	21	17.0							
		RJF			11	21	24.8		11	22	03.6	0.01	0.4	
		CAF			11	21	25.4		11	22	04.8			
		LSF	*		11	21	33.8		11	22	20.9			
		TCF			11	21	38.8	*	11	22	28.9			
		MZF			11	21	40.4							

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		EST I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
12-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	112032.1	42 55	-01 54	10	0.2	3.0		IRIRZUN,NA
EPF	*	16 31	00.9					
EBR	E	16 31	01.0	E	16 31	26.5		
LRG		16 31	11.8		16 31	47.4		
LMR		16 31	12.0		16 31	47.0		
CAF	*	16 31	13.8				0.01	0.3
LPD		16 31	20.5		16 32	01.2	0.02	0.3
LFF	*	16 31	28.2		16 32	11.7	0.03	0.4
CVF		16 31	30.2					
12-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	163025.4	41 23	03 20	14	0.5	3.0		MEDITERRANEO
MAL	E	11 01	12.0	I	11 01	20.5	0.56	0.3 45
ALC	E	11 01	22.0					
IFR	I	11 01	46.5	I	11 02	16.0		
14-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	110103.3	36 16	-04 25	31	0.9	3.0		ALBDRAN
SFS	I	02 23	35.5	I	02 23	47.5		
AVE	I	02 23	53.6	I *	02 24	18.5		
MAL	I	02 23	54.7	I	02 24	20.5	1.03	0.4 130
IFR	I	02 23	56.5	I *	02 24	24.5		
CRT	I	02 24	06.6	I	02 24	42.6		
ALC	I	02 24	07.3	I	02 24	42.8		200
LIS		02 24	10.0		02 24	49.0		
TID	I	02 24	27.0	I *	02 25	17.0		
COI	I	02 24	27.5	I	02 25	17.3		
TOL	E	02 24	28.0	I	02 25	18.8	0.07	0.8 230
GUD	I	02 24	34.6	I	02 25	34.4		
LGR	E *	02 25	09.2	I	02 26	29.2	0.15	0.9 195
EBR	E	02 25	10.0	E	02 26	35.0		
EPF		02 25	30.6		*	02 27 06.6		
LFF		02 25	52.8		*	02 27 45.4	0.02	0.4
LPD		02 25	53.2		*	02 27 45.7	0.01	0.3
CAF		02 25	59.8		*	02 27 59.4		
RJF		02 26	00.8		*	02 28 00.0	0.02	0.4
LSF		02 26	10.5		*	02 28 16.6		
TCF		02 26	14.5		*	02 28 25.0		
MZF	*	02 26	15.7		*	02 28 27.4		
AVF		02 26	26.7		*	02 28 47.4		
SMF		02 26	28.3		*	02 28 49.4		



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		EST I/E W	HORA P		I/E W	HORA S		AMP	PER	DUR
17-ABR	SSSF	*	02 26	30.2	*	02 28	54.4			
	HO		LAT	LONG	PRO	RMS	MAG	IO		
	SSIS		022318.2	35 40 -07 02	40	1.2	4.3			ATLANTICO
	ACU	E	08 09	56.0	E	08 10	26.5			
	ALC	E	08 10	14.6						
	CRT	E	08 10	15.5	I	08 10	57.4			
	EBR	E *	08 10	28.0						
	MAL	E *	08 10	36.0	E *	08 11	52.3	0.10	0.5	
	IFR	I	08 10	40.0						
	GUD		08 10	44.7						
	AVE	E *	08 10	49.0						
	EPF		08 10	54.5		08 12	09.6			
	TOL	E *	08 11	05.0	E *	08 11	57.0	0.02	0.6	120
	LMR		08 11	11.3		08 12	38.7			
	LRG		08 11	11.6		08 12	40.3	0.01	0.5	
	LPO		08 11	17.4						
	CVF		08 11	18.6		08 12	49.7			
	LFF		08 11	19.3						
	CAF		08 11	20.0						
	RJF		08 11	25.1						
	MZF		08 11	37.4						
	TCF		08 11	37.6						
	LPF		08 12	04.5						
	GRR		08 12	08.8						
	SSC		08 12	09.8						
	FLN		08 12	12.1						
	TIO	E *	08 12	18.0						
19-ABR	HO		LAT	LONG	PRO	RMS	MAG	IO		
	SSIS		080914.7	36 08 01 21	32	0.8	3.7			ORLEANSVILLE,ARG
	IFR	I	13 19	04.0	I *	13 19	17.0			
	AVE	I	13 19	26.0	I *	13 20	01.5			
	ALR	E	13 19	31.5	E *	13 19	54.0			
	MAL	E	13 19	32.0	E *	13 20	00.7	0.26	0.4	85
	ALC	E *	13 19	40.0						220
	CRT	I	13 19	41.1						
	TIO	I	13 19	46.5	I *	13 20	52.5			
	TOL	E	13 20	14.0	E	13 21	20.0	0.02	0.8	200
	ALM	I *	13 20	16.9	I *	13 20	35.9	0.26	1.0	50
19-ABR	HO		LAT	LONG	PRO	RMS	MAG	IO		
	SSIS		131851.8	34 10 -05 07	15	0.9	3.6			MARRUECOS

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		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
	LGR	E			17 05	58.3	I	*	17 06	19.3	0.42	0.7	120
	LPD				17 06	02.6							
	LFF				17 06	03.0							
	RJF				17 06	11.1							
	CAF				17 06	11.5							
	EBR	E	*		17 06	12.0	E	*	17 06	44.5			
	LSF				17 06	22.0							
	MFF				17 06	23.3					0.05	0.4	
	MZF				17 06	27.2							
	TCF				17 06	27.4							
	TOL	E			17 06	34.0	E	*	17 07	19.0	0.02	0.8	140
	AVF				17 06	38.0					0.03	0.4	
	SMF				17 06	39.0							
	SSF				17 06	41.4							
	LBF				17 06	44.2							
	LRG				17 06	45.2							
	LOR				17 06	47.2							
24-ABR	HO				LAT	LONG	PRO	RMS	MAG	IO			
	SSIS	170530.7	43	11	-00	32	10	0.5	3.5				OLDRON.FR
	EBR	E			11 42	09.0	E	*	11 42	24.0			
	EPF		*		11 42	24.5							
	LPD				11 42	57.8			11 43	43.0	0.01	0.3	
	CAF				11 42	59.0			11 43	47.6	0.01	0.3	
07-MAY	HO				LAT	LONG	PRO	RMS	MAG	IO			
	LDGP	114149.8	41	06	01	42	5	1.2	2.9				SITGES.B
	LGR	E			10 33	26.4	I		10 33	35.7	0.35	1.0	
	EPF				10 33	40.6	0		10 34	02.1			
	LPD				10 33	59.0	0		10 34	33.3	0.01	0.3	
	LFF		*		10 33	59.6	0	*	10 34	34.2	0.01	0.3	
	RJF				10 34	07.0	0		10 34	47.3	0.02	0.3	
	CAF				10 34	07.3	0		10 34	49.4			
	LSF				10 34	16.6	0		10 35	04.2			
	TCF				10 34	20.5	0		10 35	11.0			
	MZF				10 34	21.9	0		10 35	15.0			
	AVF				10 34	33.7							
	SMF				10 34	35.5							
	SSF				10 34	36.6	0		10 35	39.6			
	LBF				10 34	39.1	0		10 35	44.5			
	LOR				10 34	40.8	0		10 35	46.3			
15-MAY	HO				LAT	LONG	PRO	RMS	MAG	IO			
	SSIS	103313.7	42	54	-01	49	5	0.7	3.3				IRIJRZUN.NA



		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR	
	LGR	E			04	30	56.1	E	*	04	31	06.5		75
	EPF				04	31	14.5			04	31	37.6	0.05	0.6
	LFF				04	31	33.1			04	32	08.6	0.01	0.5
	LPO				04	31	33.2							
	RJF				04	31	40.7			04	32	22.8	0.01	0.5
	CAF				04	31	40.9							
	TDL	E	*		04	31	50.0	E	*	04	32	32.0	0.02	1.0
22-MAY	HO				LAT	LONG		PRO	RMS	MAG	IO			
	SSIS	0430	46.8	42	43	-01	58	10	0.9	2.8			ESTELLA,NA	

	LGR	I			04	38	03.6	I		04	38	14.2		420
	EPF				04	38	18.8		*	04	38	41.2		
	EBR	E	*		04	38	31.0							
	GUD	I			04	38	35.3	I		04	39	07.3		
	LFF				04	38	35.5		*	04	39	11.4	0.44	0.5
	LPO				04	38	36.2		*	04	39	13.0	0.36	0.5
	TOL	I			04	38	42.5	I		04	39	24.0	0.50	0.9
	RJF				04	38	43.6		*	04	39	25.5	0.36	0.5
	CAF				04	38	44.0					0.20	0.3	
	MFF				04	38	51.6							
	LSF				04	38	53.7			04	39	40.0	0.24	0.4
	TCF				04	38	57.7			04	39	50.0	0.24	0.5
	MZF				04	38	59.2			04	39	52.2		
	ALI	E	*		04	38	59.5							50
	STS	E			04	39	06.0							150
	LPF				04	39	09.4			04	40	07.8		
	AVF				04	39	10.5			04	40	10.4		
	SMF				04	39	11.9		*	04	40	15.9	0.14	0.9
	SSF				04	39	13.3			04	40	18.2	0.10	0.4
	LBF				04	39	16.0					0.09	0.4	
	CRT	E			04	39	17.0							
	SSC				04	39	17.2			04	40	22.2	0.12	0.7
	LDR				04	39	17.8		*	04	40	27.8	0.09	0.8
	FLN				04	39	19.3			04	40	26.0		
	LRG				04	39	19.8					0.06	0.7	
	LMR				04	39	21.3					0.02	0.6	
	MAL	I			04	39	25.8	I		04	40	38.0	0.43	0.9
	LIS				04	39	33.0		*	04	41	33.0		
	ALM	I	*		04	39	41.2	I	*	04	40	38.6	0.17	1.1
	HAU				04	39	41.6							
	BSF				04	39	44.6							
22-MAY	HO				LAT	LONG		PRO	RMS	MAG	IO			
	SSIS	0437	51.0	42	51	-01	45	5	0.9	4.2			PAMPLONA,NA	

LGR I 05 59 36.1 I \* 05 59 46.6 3.00 1.0 390

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR		
		EPF			05	59	51.5		06	00	14.2				
		EBR	E	*	05	60	04.5								
		GUD	I		05	60	07.8	I	05	60	37.8				
		LFF			05	60	08.2	*	05	60	44.2	0.12	0.5		
		LPD			05	60	09.7	*	05	60	45.2	0.07	0.4		
		TOL	E		05	60	16.0	E	*	05	60	51.0	0.20	0.8	
		RJF			05	60	16.5				05	60	58.0	0.11	0.6
		CAF			05	60	17.5				05	60	59.6		
		MFF			05	60	24.4								
		LSF			05	60	26.7		06	01	19.3	0.05	0.4		
		TCF			05	60	30.5		06	01	21.6	0.05	0.4		
		MZF			05	60	31.8		06	01	25.4				
		STS	E		05	60	34.0						105		
		LPF	*		05	60	42.5								
		AVF			05	60	43.4								
		SMF			05	60	45.0								
		SSF			05	60	46.2								
		GRR	*		05	60	46.6								
		LBF			05	60	48.6								
		SSC			05	60	50.0								
		LDR			05	60	51.4								
		FLN			05	60	52.1								
		LRG			05	60	53.4					0.02	0.9		
		ALM	I	*	05	62	21.9	I	*	05	62	51.0	0.10	1.0	43
22-MAY		HO			LAT	LONG	PRO	RMS	MAG	IO					
		SSIS			055923.9	42 56 -02 03	15	0.9	3.9				ECHARRI-ARANAZ, N.A		
		LGR	E		21	46	05.0	I	21	46	15.5		70		
		EPF			21	46	21.0		21	46	43.8	0.04	0.5		
		RJF			21	46	47.5								
		CAF			21	46	47.7								
22-MAY		HO			LAT	LONG	PRO	RMS	MAG	IO					
		SSIS			214552.4	42 31 -02 06	78	1.4					SESMA, N.A		
		ALM	I		02	52	00.5	I	02	52	6.8	0.25	0.8	49	
		ALC	I	*	02	52	06.0						90		
		CRT	E		02	52	07.5	I	02	52	24.5				
		MAL	I		02	52	20.5	I	*	02	52	51.3	0.12	0.5	55
		TOL	E		02	52	36.0	I	*	02	53	20.0	0.06	0.9	90
23-MAY		HO			LAT	LONG	PRO	RMS	MAG	IO					
		SSIS			025150.3	37 15 -02 08	25	0.9	3.1				LURIN, A.L		
		LGR	E		20	45	56.6	I	20	46	06.1	0.67	0.7	200	

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
		LPO			20	46 29.0			20	47 01.6	0.04	0.5	
		LFF			20	46 29.5		*	20	47 03.4	0.06	0.6	
		EBR	E		20	46 31.0	E	*	20	47 01.0			
		TOL	E		20	46 33.0	E	*	20	47 15.0	0.04	0.8	140
		RJF			20	46 36.6			20	47 16.7	0.05	0.5	
		CAF			20	46 37.3			20	47 19.2			
		LSF			20	46 46.1			20	47 32.6	0.04	0.5	
		TCF			20	46 50.4			20	47 41.4	0.02	0.4	
		MZF			20	46 51.9			20	47 44.7	0.02	0.6	
		AVF			20	47 02.8							
		SMF			20	47 05.2							
		SSF			20	47 06.4					0.02	0.6	
		LBF			20	47 09.2					0.01	0.5	
23-MAY	HO	LAT	LONG	PRD	RMS	MAG	ID						
SSIS	204543.8	43 03	-02 21	60	0.8	3.4		ZUMARRAGA.SS					
		LGR	I		01	58 13.4	I		01	58 23.0	2.79	1.1	240
		EPF			01	58 25.6							
		EBR	E		01	58 41.0							
		LSF	*		01	58 45.3	*		01	59 22.2			
		LPO			01	58 46.1	*		01	59 22.6			
		TOL	E		01	58 52.0	E		01	59 33.0	0.10	0.8	220
		RJF			01	58 53.4	*		01	59 35.6			
		CAF			01	58 54.2	*		01	59 36.8			
		MFF			01	59 00.9					0.05	0.7	
		TCF			01	59 06.9			01	59 58.0	0.04	0.6	
		MZF			01	59 08.4	E		02	00 01.7	0.05	0.6	
		AVF			01	59 19.8					0.04	1.0	
		SMF			01	59 21.7							
		SSF			01	59 23.3			02	00 27.2	0.04	0.7	
		GRR	*		01	59 23.5							
		LBF			01	59 25.8	*		02	00 32.8	0.02	0.5	
		SSC			01	59 27.0					0.03	0.9	
		LOR			01	59 28.1					0.02	0.6	
		FLN			01	59 29.3							
		HAU			01	59 52.7							
24-MAY	HO	LAT	LONG	PRD	RMS	MAG	ID						
SSIS	015800.2	42 47	-01 40	5	0.6	3.9		PAMPLONA.NA					
		LGR	I		21	09 51.3	I	*	21	10 01.1	1.50	0.7	180
		EPF			21	10 05.8							
		EBR	E		21	10 18.0							
		LFF			21	10 21.4	*		21	10 59.9			
		LPO			21	10 22.0	*		21	11 00.8			
		TOL	E		21	10 26.0	E	*	21	11 11.0	0.09	0.8	210

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
	RJF				21	10			21	11	12.7	0.06	0.5
	CAF				21	10			21	11	13.9		
	MFF				21	10					0.04	0.6	
	LSF				21	10			21	11	28.6	0.03	0.4
	TCF				21	10			21	11	37.2	0.03	0.5
	MZF				21	10			21	11	40.2	0.03	0.5
	LPF				21	10			21	11	54.6		
	AVF				21	10			21	11	59.0	0.03	0.9
	SMF				21	11					00.0		
	SSF				21	11			21	12	05.8	0.03	0.9
	GRR	*			21	11					01.3		
	LBF				21	11			21	12	10.2		
	SSC				21	11					04.5		
	FLN				21	11					07.9		
24-MAY	HO				LAT	LONG	PRO	RMS	MAG	IO			
	SSIS				210936.6	42 44 -01 55	10	0.8	3.7				ESTELLA,NA
	MAL	E	*		14	33			14	33	41.0		
	IFR	I			14	33			14	33	56.5		
	CRT	E	*		14	33					38.0		
	AVE	E			14	33			14	34	31.0		
25-MAY	HO				LAT	LONG	PRO	RMS	MAG	IO			
	SSIS				143257.3	35 21 -04 02	5	0.1					AL-HOCEIMA,MAC
	ALM	I			03	46			03	46	25.5	0.48	0.4
	ALC	E			03	46					19.0		115
	MAL	I			03	46			03	46	32.0	1.63	0.3
	CRT	E	*		03	46					22.5		70
	IFR	I	*		03	46			03	47	30.5		
28-MAY	HO				LAT	LONG	PRO	RMS	MAG	IO			
	SSIS				034602.6	36 27 -03 14	20	0.8	3.8				ALBORAN
	LGR	I			03	55			03	55	30.1	0.52	0.6
	EPF				03	55			03	55	56.3		135
	GUD	E			03	55			E	*	03 56 21.9		
	LFF				03	55			*		03 56 26.7	0.05	0.7
	LPO				03	55			*		03 56 27.9	0.03	0.6
	EBR	E			03	55			E		03 56 24.5		
	RJF				03	56					03 56 39.7	0.03	0.6
	CAF				03	56					03 56 40.3	0.02	0.4
	TOL	E	*		03	56			I	*	03 56 57.0	0.03	0.8
	LSF				03	56					03 56 56.8	0.01	0.4
	TCF				03	56					03 57 04.0	0.01	0.5

## BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
29-MAY	MZF		03 56 15.2		03 57 07.6	0.01	0.6	
	HO	LAT	LONG	PRO	RMS MAG	IO		
	SSIS	035508.2	42 59 -01 58	15	0.9 3.4			LEIZA.NA
	LGR	E	22 35 48.7	I	22 35 57.2	0.21	0.8	90
	EPF		22 36 02.4		22 36 24.6			
	EBR	E	22 36 19.0	E	22 36 49.0			
	LFF		22 36 20.1					
	LPO		22 36 21.1	*	22 36 55.6	0.01	0.5	
	RJF		22 36 28.1		22 37 08.2	0.02	0.7	
	CAF		22 36 28.4		22 37 08.2			
	LSF		22 36 37.6		22 37 25.0			
	TOL	E *	22 36 41.0	E *	22 37 27.0	0.01	0.8	100
	TCF		22 36 41.4		22 37 32.8	0.01	0.5	
	MZF		22 36 43.4		22 37 37.9	0.01	0.5	
29-MAY	HO	LAT	LONG	PRO	RMS MAG	IO		
	SSIS	223536.2	42 51 -02 01	62	0.9 2.8			ECHARRI-ARANAZ.NA
	ALC	E	09 06 33.0					
	TOL	E	09 07 23.0	E	09 07 58.0	0.03	0.4	80
	MAL	E	09 07 23.3	I	09 07 31.6	2.51	0.4	55
07-JUN	HO	LAT	LONG	PRO	RMS MAG	IO		
	SSIS	000000.0	00 00 00 00					
	ALM	I	02 42 00.5	I	02 42 8.9	0.29	0.8	21
	ALC	I	02 42 02.0					60
	MAL	E	02 42 12.0	I	02 42 25.8	0.33	0.3	32
09-JUN	HO	LAT	LONG	PRO	RMS MAG	IO		
	SSIS	024151.4	37 05 -02 56	43	0.6 3.2			ALCŌLEA.AL
	EPF		16 16 47.3					
	EBR	E	16 16 49.0	E	16 17 06.0			
	LPO		16 17 12.2		16 17 46.2	0.02	0.4	
	LFF		16 17 15.5			0.02	0.6	
	CAF		16 17 17.5					
	RJF		16 17 21.2			0.01	0.5	
	LSF	*	16 17 32.8					
	MZF		16 17 35.9		16 18 28.2			
	SMF	*	16 17 48.4					



## BOLETIN DE SISMOS PROXIMOS AÑO 1982

EST		I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
-----												
11-JUN	HO	LAT	LONG	PRO	RMS	MAG	ID					
SSIS	161628.6	41 59	00 38	5	0.6	3.0		TARDIENTA.HU				
EPF		19 48	56.7									
LGR	E	19 49	16.5	I		19 49 38.5		0.19	0.9	130		
LPO		19 49	19.6									
LFF		19 49	20.0									
EBR	E	19 49	23.0									
CAF		19 49	26.2									
RJF		19 49	27.9									
LSF		19 49	37.4			19 50 16.3						
TCF		19 49	41.4									
MZF		19 49	44.2									
GUD	I	19 49	44.3	E		19 50 26.9						
TOL	E	19 49	50.0	E		19 50 38.0		0.22	0.5	120		
AVF		19 49	54.0					0.05	0.6			
SMF		19 49	56.1					0.03	0.6			
SSF		19 49	57.0									
-----												
11-JUN	HO	LAT	LONG	PRO	RMS	MAG	ID					
SSIS	194848.5	43 02	-00 09	30	0.8	3.5		LOURDES.FR				
OFD	I	04 39	41.0									
TEC	I	* 04 40	12.0	I	*	04 40 51.0						
ALC	E	04 40	38.0									
MAL	E	04 40	46.0	I		04 41 40.0		0.33	0.3	75		
EBR	E	04 40	51.0									
IFR	I	04 40	59.0									
TOL	I	04 41	03.5	E	*	04 42 01.0		0.06	0.8	205		
GUD	I	04 41	11.7									
EPF	*	04 41	24.3		*	04 42 36.4		0.01	0.6			
AVE	E	04 41	26.0									
LMR		04 41	40.2									
LRG		04 41	41.1									
CVF		04 41	45.6		*	04 43 14.8		0.01	0.7			
CAF		04 41	48.7									
MZF		04 42	05.6									
-----												
12-JUN	HO	LAT	LONG	PRO	RMS	MAG	ID					
SSIS	043934.0	35 41	01 20	5	0.6	3.9		GUJLLAUMET.ARG				
EPF		09 59	24.5									
LGR	I	09 59	45.0	I		10 00 08.2		1.99	0.8	290		
LPO		09 59	46.5									
LFF		09 59	47.2									

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EST I/E W		HORA P	I/E W	HORA S	AMP	PER	DUR
CAF		09 59 54.5					
RJF		09 59 54.9					
EBR	E	09 59 57.0	E *	10 00 27.0			
LSF		09 60 06.0					
MFF		09 60 08.6					
TCF		09 60 09.3			0.60	0.8	
MZF		09 60 11.0					
GUD	I	09 60 12.3	I	09 60 55.6			
TDL	E	09 60 18.0	I	10 01 06.0	0.22	1.0	310
AVF		09 60 21.8					
SMF		09 60 23.3					
SSF		09 60 25.4					
LRG		09 60 30.0					
LDR		09 60 31.2			0.20	0.8	
GRR		09 60 32.1		10 01 31.6			
FLN		09 60 36.9					
ALC	E *	09 60 46.2					
CVF		09 60 55.2		09 02 08.8			
ALI	E *	09 60 58.3	E *	10 01 43.0			100
MAL	I	09 61 00.5	I	10 02 16.0	0.21	0.5	150
12-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	095915.8	43 12	-00 21	14	1.1	4.4	PAU.FR

EPF		17 24 02.6					
LGR	I	17 24 23.5	I	17 24 46.7	1.33	0.7	245
LFO		17 24 24.1					
LFF		17 24 24.9					
CAF		17 24 31.9					
RJF		17 24 32.6					
EBR	E	17 24 35.0	E	17 25 05.0			
LSF		17 24 43.4					
MFF		17 24 46.7					
TCF		17 24 47.4			0.30	0.4	
MZF		17 24 48.6					
GUD	I	17 24 50.6	E	17 25 33.3			
TDL	I	17 24 56.5	I	17 25 49.0	0.07	0.8	250
AVF		17 25 00.2					
SMF		17 25 01.0					
SSF		17 25 02.7					
LPF		17 25 05.3					
LBF		17 25 06.2					
LDR		17 25 07.8			0.14	0.6	
LRG		17 25 08.1					
GRR		17 25 10.2					
SSC		17 25 12.8					
FLN		17 25 14.8			0.05	0.4	
ALC	E	17 25 26.0					

## BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
12-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO						
SSIS	172352.6	43 15	-00 24	5	1.0	4.0		PAU.FR					
	SFS	I		09 26	35.3	I	*	09 26	48.0				
	ALM	I	*	09 26	47.9	I	*	09 26	51.5	0.34	0.5	8	
	MAL	I		09 26	50.5	I	*	09 27	11.0	1.02	0.5	70	
	ALC	E		09 27	00.0								
	GUD	I		09 27	26.6								
	TOL	E	*	09 27	36.5	E	*	09 28	07.0	0.06	1.0	140	
17-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO						
SSIS	092626.4	36 56	-06 09	14	0.1	3.7		LEBRIJA,CA					
	SFS	I	*	12 14	19.5	I	*	12 14	32.0				
	MAL	I		12 14	34.0	I		12 14	53.0	0.46	0.4	53	
	TOL	E	*	12 15	37.0	I		12 16	04.0	0.03	0.8	100	
	EBR	E		12 15	51.0								
	AVE	I	*	12 16	27.0	I	*	12 16	39.0				
17-JUN													
	LGR	I		19 50	36.3	E		19 50	45.9	570			
	EPF			19 50	51.3								
	EBR	E	*	19 51	03.5								
	GUD	I		19 51	07.8								
	LFF			19 51	07.9								
	LPO			19 51	08.7			19 51	42.6				
	TOL	I		19 51	15.0	I		19 51	57.0	4.20	1.0	550	
	RJF			19 51	16.5			19 51	57.4	0.43	0.4		
	CAF			19 51	17.2			19 51	58.6	0.78	0.7		
	MFF			19 51	24.4								
	LSF			19 51	26.2			19 52	14.2				
	TCF			19 51	30.3								
	ALI	I		19 51	32.2								
	MZF			19 51	32.7		*	19 52	27.4	460			
	LPF			19 51	41.8								
	AVF			19 51	42.6		*	19 52	46.0				
	STS	E	*	19 51	43.0								
	SMF			19 51	44.6			19 52	48.6	340			
	SSF			19 51	46.3								
	GRR			19 51	46.6		*	19 52	48.1				
	COI	I		19 51	46.7	I		19 52	47.6				
	ALC	E		19 51	47.9								
	LBF			19 51	48.7			19 52	54.5	487			

EST		I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LDR				19 51 50.3			19 52 56.8	0.22	0.6	
FLN				19 51 52.0	*		19 52 57.1			
LRG				19 51 53.5						
ALM	I			19 51 54.2				1.29	1.0	282
LMR				19 51 55.6			19 53 03.1			
MAL	I			19 51 58.0	I		19 53 07.0	1.65	0.9	190
LIS		*		19 52 07.2	*		19 53 17.4			
HAU				19 52 14.2	*		19 53 38.0			
BSF				19 52 17.5						
CVF				19 52 17.5			19 53 45.8			
CDF				19 52 25.0						
SFS	E	*		19 53 58.0	E	*	19 54 47.0			
22-JUN	HO			LAT	LONG	PRO	RMS	MAG	IO	
SSIS	195023.7	42	52	-01	52	7	1.1	4.9		V PAMPLONA.NA
LGR	E			20 18 46.3	I		20 18 55.8	0.27	1.0	105
EPF		*		20 18 57.4	*		20 19 17.0			
LFF				20 19 14.4	*		20 19 48.8			
LPO				20 19 15.8			20 19 48.8	0.01	0.3	
EBR	E			20 19 18.0						
CAF				20 19 22.8			20 20 04.0			
RJF				20 19 23.0			20 20 02.4			85
LSF				20 19 33.2			20 20 20.4			
MZF		*		20 19 37.2			20 20 31.2			
TCF				20 19 38.0			20 20 28.0			
TDL	E	*		20 19 40.0	E	*	20 20 25.0	0.02	0.8	85
22-JUN	HO			LAT	LONG	PRO	RMS	MAG	IO	
SSIS	201831.6	43	06	-02	05	10	0.7	2.7		TOLUSA.SS
LGR	E			20 24 17.8	I		20 24 27.5	0.50	0.8	130
EPF				20 24 32.4	*		20 24 51.5			
LFF				20 24 49.6			20 25 22.6	0.01	0.3	
LPO				20 24 50.2			20 25 23.4	0.02	0.3	
EBR	E			20 24 52.0						
RJF				20 24 57.7			20 25 37.2	0.01	0.2	
CAF				20 24 58.0			20 25 39.4			
LSF				20 25 07.8			20 25 55.3			
TDL	E			20 25 08.0	I		20 25 52.0	0.02	0.8	100
TCF				20 25 12.1			20 26 03.0			
MZF				20 25 12.8			20 26 06.0			
GRR				20 25 27.2						
SSF				20 25 28.7			20 26 30.8			
LBF				20 25 29.6			20 26 35.1			
LDR				20 25 32.0			20 26 38.0			

## BOLETIN DE SISMOS PROXIMOS AÑO 1982

EST		I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
22-JUN	HO	LAT	LONG	PRO	RMS	MAG	ID					
SSIS	202405.5	43 01	-01 55	5	1.0	3.2		LEIZA,NA				
LGR	E	22 20	34.8	E	22 20	44.3	0.17	0.6				
EPF	*	22 20	47.6									
LPO		22 21	05.2		22 21	38.6						
CAF		22 21	13.4		22 21	54.4						
LSF		22 21	22.6	*	22 22	10.6						
MZF		22 21	28.0		22 22	21.4						
EBR	E *	22 21	42.0									
22-JUN	HO	LAT	LONG	PRO	RMS	MAG	ID					
SSIS	222020.8	43 10	-02 10	10	0.7	3.2		TOL,OSA,SS				
LGR	E	01 04	27.0	E	01 04	36.5	0.17	0.7				
EBR	E *	01 05	32.0									
EPF		01 04	41.4									
RJF		01 05	06.8		01 05	47.4	0.01	0.3				
LFF		01 04	59.2	*	01 05	33.2	0.01	0.4				
CAF		01 05	07.4		01 05	49.0						
LSF		01 05	16.6		01 06	04.6						
SSF	*	01 05	36.1		01 06	40.2						
TCF		01 05	22.2									
MZF		01 05	22.2		01 06	15.6						
23-JUN	HO	LAT	LONG	PRO	RMS	MAG	ID					
SSIS	010414.4	42 54	-01 47	5	0.6	3.1		IRIJRZUN,NA				
LGR	I	01 22	31.8	I	01 22	41.8	0.75	0.7	155			
EPF		01 22	44.6		01 23	06.2						
GUD	I	01 23	01.4									
LFF		01 23	03.0	*	01 23	37.4	0.03	0.5				
EBR	E	01 23	03.5									
RJF		01 23	10.6		01 23	51.2	0.04	0.4				
CAF		01 23	11.2		01 23	53.0	0.01	0.2				
LSF		01 23	20.6		01 24	08.4						
TOL	E *	01 23	21.0		01 24	17.5	0.04	0.8	160			
TCF		01 23	24.6	*	01 24	17.5						
MZF		01 23	25.8		01 24	18.8						
AVF		01 23	36.6		01 24	38.5						
SMF		01 23	38.8									
SSF		01 23	40.0		01 24	44.0						
LBF		01 23	42.4		01 24	49.0						
LDR		01 23	44.4		01 24	51.4						

## BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
23-JUN	HO	LAT	LONG	PRO	RMS	MAG	ID						
SSIS	012218.4	42 56	-01 46	5	1.1	3.5		IRURZUN,NA					
LGR	E	06 15	40.6	I	06 15	50.1		0.50	0.7	155			
EPF		06 15	56.0		06 16	16.0							
GUD	I *	06 16	13.3	I	06 16	55.9							
LPO		06 16	14.8		* 06 16	49.4		0.01	0.2				
LFF		06 16	15.0		* 06 16	47.6		0.01	0.2				
RJF		06 16	22.4		06 17	02.0		0.01	0.2				
CAF		06 16	23.0		06 17	03.6							
LSF		06 16	32.0										
TCF		06 16	36.4		06 17	25.6							
TOL	E	06 16	37.0	I	06 17	22.0		0.03	0.8	100			
MZF		06 16	37.4		06 17	29.0							
EBR	E *	06 16	45.0										
SMF		06 16	50.2										
SSF		06 16	52.0		06 17	54.0							
23-JUN	HO	LAT	LONG	PRO	RMS	MAG	ID						
SSIS	061531.4	43 03	-01 44	5	1.4	3.2		LEIZA,NA					
LGR	E	08 35	55.0	I	08 36	04.5		0.34	0.6				
EPF		08 36	09.6										
GUD	I	08 36	27.3	I	08 36	59.9							
LFF		08 36	27.2		08 37	01.2		0.02	0.5				
LPO		08 36	27.6		08 37	02.6		0.01	0.3				
RJF		08 36	35.5		08 37	16.4		0.01	0.4				
CAF		08 36	36.8		08 37	17.6							
LSF		08 36	45.4		08 37	32.8							
LOR		08 37	10.0										
23-JUN	HO	LAT	LONG	PRO	RMS	MAG	ID						
SSIS	083543.1	42 50	-01 48	6	0.7	3.5		PAMPLONA,NA					
LGR	I	22 14	52.5	I	22 15	02.0		2.21	0.9	230			
EPF		22 15	07.6										
EBR	E	22 15	21.0										
GUD	I	22 15	25.0	I	22 15	56.7							
LFF		22 15	26.0		22 15	59.0							
LPO		22 15	26.4		22 15	59.4							
TOL	E	22 15	33.0	I	22 16	13.0		0.14	1.0	220			
RJF		22 15	33.6		22 16	13.6							
CAF		22 15	34.6		22 16	16.0							
MFF		22 15	41.0										
LSF		22 15	43.4		22 16	31.2		0.05	0.6				

EST I/E W		HORA P		I/E W		HORA S		AMP	PER	DUR
TCF		22 15	47.6			22 16	39.4			
MZF		22 15	49.2			22 16	42.4			
LPF		22 16	00.2			22 16	59.0	0.03	0.5	
AVF		22 16	00.2			22 17	01.2	0.04	0.6	
SMF		22 16	02.0			22 17	04.8			
SSF		22 16	03.6			22 17	08.0			
GRR		22 16	05.0			22 17	07.4			
LBF		22 16	06.0			22 17	13.4			
LDR		22 16	07.6			22 17	15.4			
SSC		22 16	08.4							
LRG		22 16	11.0							
23-JUN	HO	LAT	LONG	PRO	RMS	MAG	ID			
SSIS	221440.5	42 48	-01 46	5	0.9	3.8				PAMPLONA, NA
ALI	E	16 15	16.0							100
EBR	E *	16 15	26.0							
GUD	I	16 15	54.6							
TDL	E *	16 15	58.0					0.05	0.8	110
EPF		16 16	13.6							
CAF		16 16	42.0	*	16 17	43.2				
24-JUN										
ALM	I	12 00	46.0	I	12 00	51.5				215
ALC	I	12 00	50.0							300
ALR	I	12 00	56.3		12 01	10.0				
MAL	I	12 00	58.3							170
TEC	I *	12 01	18.5							
ALI	E *	12 01	27.0					1.50	1.3	140
TDL	E	12 01	31.0	I	12 02	07.0		0.32	1.0	310
SFS	I *	12 01	37.0	*	12 02	11.5				
IFR	I	12 01	37.0	I	12 02	19.0				
GUD	E	12 01	42.6	I *	12 02	18.3				
AVE	I	12 01	55.2	I	12 02	53.0				
EBR	E *	12 01	57.0		12 02	51.0				
COI	I	12 02	01.1		12 03	01.7				
EPF		12 02	20.8							
25-JUN	HO	LAT	LONG	PRO	RMS	MAG	ID			
SSIS	120040.9	36 48	-03 08	5	1.0	3.9				ALBUQU. GR
ALM	I	14 43	59.3	I	14 44	04.3		1.13	0.7	34
ALC	I	14 44	03.0							100
MAL	E	14 44	12.5	I	14 44	30.0		0.56	0.4	50

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		EST I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
25-JUN	TOL E	14 44	34.0			0.04	0.6	110
	HD	LAT LONG	PRO RMS MAG IO					
	SSIS	144350.8	37 08 -02 45	31	0.4 3.4			ABJ A.AL
04-JUL	ALC I	12 58	30.2					160
	MAL I	12 58	33.2					110
	ALM I	12 58	46.0	I	12 59 03.2	0.41	0.8	52
	TOL E	12 59	10.0	E	12 59 42.0	0.04	0.8	145
	GUD E	12 59	20.0					
04-JUL	HD	LAT LONG	PRO RMS MAG IO					
	SSIS	125824.1	37 04 -03 58	5	0.6 3.4			III ALHAMA.GR
04-JUL	MAL I	19 33	42.0					120
	ALC E	19 33	53.9					129
	TOL E	19 34	30.0	E *	19 35 14.0	0.06	1.0	135
	GUD I	19 34	40.0	E *	19 35 21.8			
	04-JUL	HD	LAT LONG	PRO RMS MAG IO				
	SSIS	193336.5	36 28 -04 12	5	0.2 3.2			ALBORAN
06-JUL	LGR E	08 26	57.0	I *	08 27 22.0	0.25	0.8	130
	EPF	08 27	34.0		08 27 56.7			
	LPD	08 27	52.1		08 28 29.6			
	CAF	08 27	59.0	*	08 28 41.9			
	RJF	* 08 28	01.0	*	08 28 42.0			
	06-JUL	HD	LAT LONG	PRO RMS MAG IO				
	LDGP	082702.3	42 36 -02 06		0.9 2.7			ESTELLA.NA
06-JUL	ACU E	19 57	45.0					
	ALC E	19 58	06.8					
	IFR I	19 58	34.0	I	19 59 41.0			
	06-JUL	HD	LAT LONG	PRO RMS MAG IO				
	SSIS	195703.9	36 19 01 41	40	0.2			@UFBA.ARG
06-JUL	ALC I	21 18	23.0					130
	MAL I	21 18	27.8	I	21 18 37.0	2.30	0.5	70
	ALM I	21 18	36.8	I	21 18 55.0	0.19	0.5	43
	06-JUL	HD	LAT LONG	PRO RMS MAG IO				
		SSIS	211813.5	37 26 -04 06	20	0.4 3.6		



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		EST I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
	ALC	I	14 23 28.1					170
	MAL	I	14 23 29.8					100
	ALM	I *	14 24 03.5	I	14 24 6.5	0.30	0.7	21
10-JUL	TOL	E *	14 24 14.0	E	14 24 42.0	0.04	0.6	170
	MAL	I	02 17 30.0	I *	02 17 45.0			115
	ALC	E	02 17 36.0					167
	ALM	I	02 17 42.0	I *	02 17 52.9	0.36	1.1	54
13-JUL	TOL	E *	02 18 17.0	E *	02 19 09.0	0.05	1.0	150
	HD	LAT	LONG	PRO	RMS	MAG	IO	
	SSIS	021721.0	36 29 -03 51	10	0.4	3.3		ALBORAN
	MAL	I *	21 25 16.0	I	21 25 42.5	1.62	0.5	55
	IFR	I	21 25 34.5	I	21 25 55.5			
	ALC	I	21 25 36.7					100
	AVE	I	21 25 50.5	I	21 26 24.0			
19-JUL	TOL	E *	21 26 16.0	E *	21 26 51.0	0.02	0.7	90
	HD	LAT	LONG	PRO	RMS	MAG	IO	
	SSIS	212504.6	35 23 -04 41	40	0.4	3.6		N.P.PESCADORES.MAC
	ALM	I	22 43 36.0	I	22 43 41.0	1.13	0.8	77
	ALC	I	22 43 40.9					128
	MAL	I	22 43 49.5	I	22 44 07.0	0.93	0.3	50
	TOL	E	22 44 22.0	E	22 44 58.0	0.02	0.4	90
	IFR	I	22 44 28.0	I	22 45 09.0			
22-JUL	HD	LAT	LONG	PRO	RMS	MAG	IO	
	SSIS	224329.1	36 46 -02 56	5	0.9	3.3		BERJA.AL
	ALC	I	13 25 54.1					75
	CRT	I	13 25 54.3	I	13 25 55.3			
02-AGO	MAL	E	13 26 06.0	I	13 26 15.3	0.56	0.3	
	LGR	I	01 26 23.3	I	01 26 31.8	0.43	0.9	125
	LFF		01 26 56.0		01 27 28.7	0.03	0.6	
	LPD		01 26 56.5		01 27 30.9	0.02	0.6	

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		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR		
		EBR	E		01	27	00.0	E	01	27	32.0				
		RJF			01	27	03.2		01	27	44.1	0.01	0.4		
		CAF			01	27	04.3		01	27	45.0				
		LSF			01	27	13.0		01	28	01.6				
		TCF			01	27	17.8		01	28	10.0				
		MZF			01	27	18.7		01	28	12.0				
		SSF			01	27	33.4		01	28	36.9				
05-AGO		HD													
					LAT		LONG	PRD	RMS	MAG	IO				
		SSIS			012611.1	43	04	-02	11	10	1.0	3.4	BEASAIN,SS		
		TOL	E		09	57	24.0	I	09	58	08.0	0.14	0.8	210	
		GUD	E		09	57	36.0	E	09	57	51.3				
		MAL	E		09	57	58.0	I	09	58	58.5	0.15	0.5	90	
		CRT			09	59	07.0								
		EBR	E	*	09	59	36.0								
05-AGO		ALM	I		09	59	36.8	I	09	59	42.6	0.12	1.2	35	
		ALM	I		11	54	38.1	I	11	54	48.6	0.27	1.5	17	
		CRT	E		11	54	44.5								
		ACU	E		11	55	15.6	E	*	11	55	20.2		17	
16-AGO		HD													
					LAT		LONG	PRD	RMS	MAG	IO				
		SSIS			115427.2	36	23	-03	04	5	1.0	3.0	ALBORAN		
		AVE	I		18	35	37.5	I	*	18	36	09.0			
		CRT	I		18	35	55.9								
		ALM	I		18	35	58.8	I	*	18	37	26.5	0.17	0.9	108
17-AGO		HD													
					LAT		LONG	PRD	RMS	MAG	IO				
		SSIS			183504.8	34	06	-05	13	10	0.1	3.7	MARRUECOS		
		LGR	E	*	04	07	53.0	I	*	04	08	01.5	0.42	0.8	90
		EPF		*	04	08	06.8		*	04	08	28.3			
		LFF			04	08	25.0		*	04	08	59.2	0.02	0.4	
		LPD			04	08	25.2		*	04	09	01.0	0.02	0.4	
		RJF			04	08	33.3		*	04	09	14.6	0.01	0.3	
		CAF			04	08	33.6		*	04	09	14.9			
		GUD	E		04	08	34.0								
		LSF		*	04	08	42.3								
		TOL	E		04	08	46.0	E	*	04	09	29.0	0.02	0.8	85
		TCF			04	08	47.0		*	04	09	38.5			



		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR		
		SMF			20	60	09.7				0.13	0.5			
		SSF			20	60	13.0								
		LBF			20	60	14.4								
		LPF			20	60	15.6	*	21	01	08.0				
		LDR			20	60	16.3				0.13	0.4			
		GRR			20	60	19.5		21	01	16.2				
		SSC			20	60	22.3								
		FLN			20	60	24.6								
		LRG		*	20	60	32.0								
25-AGO	HO				LAT	LONG	PRO	RMS	MAG	ID					
SSIS		205903.9	43	17	-00	10	10	0.7	4.1		PAU,FR				
		CRT	I		19	59	59.2	I	20	00	01.9				
		MAL	I		19	60	04.6	I	19	60	13.5	3.80	0.7	95	
		ALM	I		19	60	15.9	I	19	60	31.3	0.35	0.8	59	
		TDL	E		19	60	40.0	E	20	01	14.0	0.10	0.8	140	
		IFR	I		19	60	51.5	I	20	01	34.5				
10-SEP	HO				LAT	LONG	PRO	RMS	MAG	ID					
SSIS		195955.1	37	03	-03	50	5	0.4	3.5	III	PAJUL,GR				
		TEC	I		22	25	48.0	I	*	22	26	25.0			
		ACU	E		22	26	01.2						70		
		CRT	E	*	22	26	11.5	E	*	22	26	47.0			
		ALM	I	*	22	26	14.6	I		22	26	38.1	0.20	0.9	153
		MAL	I		22	26	20.4	I		22	27	13.5	0.30	0.5	120
		EBR	E		22	26	28.0			22	27	25.0			
		IFR	I		22	26	36.0	I	*	22	28	14.0			
		TDL	E		22	26	40.0					0.10	0.8	250	
		EPF			22	26	58.3		*	22	28	14.8	0.01	0.4	
		AVE	E	*	22	27	02.0	I	*	22	29	25.0			
		LMR			22	27	15.4			22	28	46.4			
		LRG			22	27	16.6								
		LPO			22	27	20.3								
		CAF			22	27	23.8								
10-SEP	HO				LAT	LONG	PRO	RMS	MAG	ID					
SSIS		222512.4	35	38	01	25	32	0.6	3.7		DIDEROT,ARG				
		TEC	I		04	49	18.5	I	*	04	49	55.5		310	
		ALM	I		04	49	31.3	I	*	04	50	37.3	1.55	1.8	437
		ALI	E	*	04	49	32.0	E		04	50	03.4		310	
		CRT	E		04	49	47.5	E	*	04	50	12.0			
		MAL	I		04	49	51.0	I		04	50	44.0	0.93	0.8	160
		EBR	E		04	49	58.5	E	*	04	50	42.0			

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		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
		IFR	I		04	50 06.0	I	*	04	51 45.0			
		TOL	I		04	50 10.0	E	*	04	51 07.0	0.28	1.0	400
		EPF			04	50 30.3	E		04	51 47.2			
		LGR	I		04	50 31.2	E		04	51 47.5	0.37	1.3	440
		AVE	E		04	50 33.0							
		LRG			04	50 47.6			04	52 20.4			
		COI	E		04	50 50.0	E		04	52 28.8			
		LPO			04	50 51.2			04	52 26.7			
		CAF			04	50 54.6			04	52 33.6			
		SFS	E	*	04	51 31.0	E	*	04	52 30.0			
11-SEP	HO				LAT	LONG	PRO	RMS	MAG	ID			
		SSIS			044843.2	35 40	01 22	29	1.0	4.2			DIDEROT,ARG

		ALI	E		21	36 32.9	E		21	37 04.0			510
		TEC	I		21	36 35.0	I		21	37 08.0			
		ALM	I		21	36 45.7	I		21	37 19.8	2.48	1.6	560
		CRT	E		21	36 57.0	I		21	37 45.9			
		EBR	E		21	36 59.5	E	*	21	37 44.0			
		MAL	I		21	37 05.2	I	*	21	37 53.8	1.42	0.8	200
		TOL	E		21	37 15.0	E	*	21	38 10.5	0.20	1.0	400
		IFR	I		21	37 23.5	I	*	21	39 25.0			
		GUD	I		21	37 24.3							
		EPF			21	37 31.1			21	38 44.8			
		LGR	I		21	37 34.2	E	*	21	38 43.7	0.46	1.4	570
		AVE	I		21	37 49.5							
		CVF			21	37 50.6		*	21	39 16.7			
		COI	E		21	38 00.0	E		21	39 33.6			
		MZF			21	38 13.2							
		SFS	E	*	21	38 16.0	E	*	21	39 08.0			
		TAM	I	*	21	39 25.0							
11-SEP	HO				LAT	LONG	PRO	RMS	MAG	ID			
		SSIS			213552.2	36 19	01 43	19	0.9	4.3			LES AUATS,ARG

		TEC	I		21	40 58.0	I		21	41 35.0			
		CRT	E	*	21	41 29.5	E		21	42 16.5			
		EBR	E	*	21	41 30.5							
		MAL	I		21	41 31.0	I	*	21	42 21.5	0.34	0.6	130
		TOL	E		21	41 45.0					0.04	0.7	
		EPF			21	41 53.6	I	*	21	43 07.7			
		LRG			21	42 10.8			21	43 35.7			
		LMR	*		21	42 11.3			21	43 32.4			
		CVF			21	42 14.0			21	43 43.3			
		LPO			21	42 17.8							
		CAF			21	42 19.8							
		LFF			21	42 20.0							

## BOLETIN DE SISMOS PROXIMOS AND 1982

EST		I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR			
	RJF			21	42	24.3									
	LSF			21	42	36.4									
	MZF			21	42	37.0									
	TCF			21	42	37.0									
11-SEP	HO			LAT		LONG		PRO	RMS	MAG		ID			
	SSIS	2140	11.8	36	04	02	09	10	1.2	3.8		MARBDT.ARG			
	ALM	I		02	29	30.7		I	02	29	37.0	0.24	0.3	28	
	MAL	E		02	30	02.4		I	02	30	27.8	0.09	0.4		
13-SEP	TOL	E		02	30	18.0		E	02	30	58.0	0.02	0.6	80	
	OFD	E		18	02	52.5		E	*	18	03	02.5			
	TEC	I	*	18	03	09.5		I	*	18	03	22.5			
	ALC	E		18	03	53.0									
	CRT	E		18	03	55.5									
	EBR	E		18	04	00.0		E	*	18	04	57.0			
	TOL	E		18	04	15.0						0.02	0.9	150	
	IFR			18	04	20.5		I	*	18	06	18.5			
	EPF			18	04	27.7									
	LGR	E		18	04	31.0		E	*	18	05	52.0		140	
	CAF	*		18	04	53.0									
22-SEP	HO			LAT		LONG		PRO	RMS	MAG		ID			
	SSIS	1802	49.1	36	16	01	36	5	0.8			LES AUATS.ARG			
	SFS	I		20	37	13.5		I	*	20	37	21.0			
	AVE	I		20	37	43.0		I		20	38	18.5			
	ALC	E		20	37	45.8		E		20	38	20.9		195	
	CRT	I		20	37	46.0									
	IFR	I		20	37	47.5		I	*	20	38	25.0			
	COI	I		20	37	51.1		I		20	38	32.2			
	TOL	E		20	37	59.5		I	*	20	38	45.0	0.06	0.7	240
	GUD	I		20	38	07.4		I	*	20	38	52.4			
	STS	E	*	20	38	22.0		E	*	20	39	07.0			
	LGR	E	*	20	38	43.0		E	*	20	40	00.0	0.28	1.1	250
	EBR	E	*	20	38	54.0		E		20	40	07.0			
	EPF			20	39	02.6				20	40	34.5			
22-SEP	HO			LAT		LONG		PRO	RMS	MAG		ID			
	SSIS	2036	55.7	36	30	-07	34	30	0.7	3.3		GOF0 DE CADIZ			

## BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
		COI	I		21	52	22.0	I	*	21	53	15.8	
		STS	E		21	52	45.5	E		21	53	12.0	125
		TOL	E		21	53	02.0	E	*	21	54	26.0	0.02 0.9 180
		GUD	E		21	53	05.2						
		EPF		*	21	54	00.0						
		ALC	E	*	21	54	26.0						
22-SEP		HO			LAT	LONG	PRD	RMS	MAG	IO			
		SSIS	215211.9	40	46	-08 25	10	1.8	2.8				ESTARREJA.PORT
		CRT	I		03	56	09.0						
		ALC	I		03	56	09.9						
		IFR	I		03	56	33.0	I		03	57	05.5	
		TOL	E		03	56	46.0	E		03	57	30.0	0.02 0.7 90
		AVE	I		03	56	46.5	I		03	57	29.0	
23-SEP		HO			LAT	LONG	PRD	RMS	MAG	IO			
		SSIS	035548.1	36	09	-04 20	5	1.2	2.7				ALBORAN
		CRT	I		02	22	53.0						
		ALC	I		02	22	54.0						110
		ALM	I		02	23	08.3	I		02	23	19.8	0.29 0.6 36
		TOL	E	*	02	23	45.0	E	*	02	24	25.0	0.03 0.8 75
26-SEP		HO			LAT	LONG	PRD	RMS	MAG	IO			
		SSIS	022251.6	37	11	-03 30	10	0.5	2.9				GRANADA
		ALC	E	*	19	57	31.6	E		19	58	00.8	90
		IFR	I		19	57	40.0	I	*	19	58	17.0	
		AVE	I	*	19	57	40.0						
		TOL	E		19	58	13.0	E		19	58	59.0	0.02 0.9 75
26-SEP													
		AVE	I	*	08	35	00.0	I	*	08	36	36.0	
		SFS	I		08	35	18.0	I		08	35	36.0	
		CRT	I		08	35	19.5						
		ALM	I		08	35	36.8	I	*	08	35	12.0	0.34 1.0 150
		TOL	E		08	35	41.5	I		08	36	14.0	0.32 1.0 80
		IFR	I	*	08	35	42.0	I	*	08	36	22.0	
		GUD	E		08	35	50.0		*	08	36	23.3	
		COI	E	*	08	35	50.3	I		08	36	37.2	
		LGR	E		08	36	20.6	I	*	08	37	27.6	0.43 1.3 210
		EPF	E		08	36	40.6			08	37	59.8	0.02 0.6

## BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
	LFF		08 37 03.9					
	LPO		08 37 06.1					
	CAF	*	08 37 08.6					
	STS E	*	08 37 30.0					117
03-OCT	EBR E	*	08 37 53.0	E *	08 38 04.0			
	HD	LAT	LONG	PRO	RMS	MAG	IO	
	SSIS	083458.3	37 21 -05 17	10	1.3	3.9		MARCHENA.SE
	MAL I		12 10 25.0					90
	ALC I		12 10 40.1	E	12 10 57.6			140
	CRT E		12 10 41.8	*	12 10 59.2			
	TOL I		12 11 11.5	E	12 11 49.0	0.05	0.9	130
03-OCT	GUD I		12 11 21.3	*	12 11 58.0			
	HD	LAT	LONG	PRO	RMS	MAG	IO	
	SSIS	121020.5	36 38 -04 45	5	0.9	3.2		ALHAURIN GRANDE.MA
	LRG		19 39 05.9		19 39 35.4			
	LMR		19 39 06.1		19 39 35.8			
	EPF		19 39 08.2					
	FRF		19 39 08.9		19 39 42.9			
	CAF		19 39 14.4					
	LPO		19 39 15.2					
	CVF		19 39 24.2		19 40 09.1			
	EBR E		19 39 26.0	E	19 39 44.0			
	LFF		19 39 31.6		19 40 17.0	0.05	0.5	
	RJF		19 39 33.0		19 40 18.6	0.02	0.3	
	MZF		19 39 46.4		19 40 40.9	0.01	0.6	
	TCF		19 39 49.0		19 40 46.4			
	LSF		19 39 50.3		19 40 47.6			
04-OCT	HD	LAT	LONG	PRO	RMS	MAG	IO	
	LDGP	193825.2	41 54 03 30	5	1.1	3.4		CARD BAGUR.GE
	ALC I		09 38 17.6	E *	09 38 27.8			90
	MAL I		09 38 35.3	I *	09 38 57.3	0.14	0.5	40
	TOL E		09 38 57.0	E	09 39 29.0			70
08-OCT	HD	LAT	LONG	PRO	RMS	MAG	IO	
	SSIS	093815.1	37 18 -03 19	5	0.8	3.4		GUADIX.GR
	TOL E		03 20 29.0	I	03 20 53.0	0.10	0.4	140
	ALC I		03 20 31.0	E	03 20 57.9			110
	CRT E		03 20 34.8					



## BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR		
10-OCT		GUD	I		03	20	39.3	E	03	21	09.3				
		EBR	E		03	20	44.0								
		MAL	I	*	03	20	48.5	I	*	03	21	29.3	0.08	0.5	52
		LGR	E	*	03	21	02.3	I	*	03	21	52.8	0.20	1.2	145
		HO	LAT		LONG	PRO	RMS	MAG	IO						
	SSIS	031959.5	38	52	-02	06	5	1.2	3.5				SAN PEDRO, AB		
16-OCT		CRT	I		11	22	42.7								
		ALC	I		11	22	43.0						200		
		MAL	I		11	22	51.0	I	11	22	55.0	0.44	0.3	35	
21-OCT		SFS	E	*	00	58	57.5	E	*	00	59	03.5			
		ALI			00	59	52.0	I		01	00	20.7		160	
		TAF	I		00	60	00.0								
		ALC	E		00	60	11.0	E	*	00	60	47.4		230	
		CRT	I		00	60	13.6	E	*	00	60	54.0			
		MAL	I		00	60	17.8					0.11	0.8	125	
		EBR	E		00	60	20.0	E		01	01	10.0			
		TOL	I		00	60	33.5	E	*	01	01	24.0	0.15	0.8	250
		IFR	I		00	60	36.5								
		GUD	E		00	60	41.0	E	*	01	01	29.0			
		EPF			00	60	52.0			00	02	05.7	0.04	0.6	
		LGR	E		00	60	53.0	I	*	01	01	57.5	0.22	1.2	225
		LMR			00	61	08.2			01	02	35.2			
		AVE	E	*	00	61	09.0								
		LRG			00	61	09.1		*	01	02	37.2			
		LPD			00	61	13.6			01	02	45.0	0.03	0.5	
		CVF			00	61	13.6			01	02	45.8			
		COI	E		00	61	14.1	I		01	02	47.7			
		LFF			00	61	16.9			01	02	50.4	0.03	0.6	
		CAF			00	61	17.1			01	02	50.7			
		RJF			00	61	22.3			01	02	58.5			
		LSF			00	61	34.0								
		MZF			00	61	35.0								
		TCF			00	61	35.4								
		MFF			00	61	40.1								
		LPF			00	62	01.1								
		GRR			00	62	05.5								
	FLN			00	62	09.1									
	HO	LAT		LONG	PRO	RMS	MAG	IO							
	SSIS	005910.8	36	06	01	22	31	0.9	4.0				ORLEANSVILLE, ARG		

## BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR		
	AVE	I			02	15	45.5	I	02	16	29.5				
	MAL	I			02	15	50.0				0.42	0.2	85		
	IFR	I			02	15	58.0	I	02	16	53.0				
	ALC	E			02	15	59.0	E	02	16	48.5		138		
	STS	E	*		02	16	02.0								
	HAD				02	16	20.0	I	02	17	31.0				
	TOL	E	*		02	17	01.6	E	*	02	17	35.0	0.05	0.8	90
	EPF				02	17	05.3			02	18	50.4	0.01	0.4	
	LFF				02	17	23.3								
	RJF		*		02	17	32.0								
	CAF		*		02	17	32.0								
	LGR	E	*		02	17	36.4	E	*	02	18	32.4	0.15	1.2	160
	TCF				02	17	46.4								
	MZF				02	17	48.2								
22-OCT	HD				LAT		LONG	PRO	RMS	MAG		IO			
	SSIS	0214	46.5	36	53	-09	33	20	1.3	3.5			SW,CABO SAN VICENTE		
	ALC	E			00	21	42.0								
	CRT	E			00	21	43.0								
	EBR	E	*		00	21	55.5								
	TOL	E			00	22	06.0	I	*	00	23	22.0	0.07	1.2	120
	IFR	I			00	22	06.0								
	HAD	I			00	22	12.5								
	EPF				00	22	20.4		*	00	23	34.0			
	LMR				00	22	38.3								
	LFF				00	22	46.3								
	CAF				00	22	47.0								
	MZF				00	23	04.4								
29-OCT	HD				LAT		LONG	PRO	RMS	MAG		IO			
	SSIS	0020	38.5	36	02	01	31	10	0.7	3.4			ORLEANSVILLE,ARG		
	ABA	I	*		03	43	55.4		*	03	44	11.2			
	TAF	E			03	44	34.0								
	ALC	E			03	44	39.8								
	TOL	E	*		03	44	59.5						140		
	IFR	I			03	45	08.5								
	HAD	I	*		03	45	14.0								
	EBR	E			03	45	28.0								
	TEC	E	*		03	45	32.0	E	*	03	45	49.0			
30-OCT	HD				LAT		LONG	PRO	RMS	MAG		IO			
	SSIS	0344	11.3	36	03	-01	51	10	1.0	3.8			MEDITERRANEO		
	ALI	E	*		10	58	26.4	I		10	58	38.5		42	

## BOLETIN DE SISMOS PROXIMOS AND 1982

		EST I/E W	HORA P		I/E W	HORA S		AMP	PER	DUR		
	EBR	E	10	58	53.0	*	10	59	07.5			
	TDL	E	10	59	02.0	E	10	59	35.0	0.06 0.7 65		
	ALC	E	10	59	05.5					85		
	GUD	E	*	10	59	12.3						
03-NOV	HO		LAT	LONG	PRO	RMS	MAG	IO				
	SSIS	105819.2	38	59	-00	38	10	1.0	3.3	ENGUERA.V		
	ALI	E	11	05	06.8	I	11	05	19.3	62		
	TDL	E	11	05	42.0	I	11	06	16.0	0.15 0.8 90		
	GUD	E	11	05	52.0							
03-NOV												
	TAF	I	12	53	56.0	I	12	54	06.0			
	ALC	E	12	54	16.0							
	IFR	I	12	54	21.5	I	12	54	51.0			
	HAD	I	12	54	37.0	I	12	55	19.0			
	MAL	I	*	12	55	49.0	I	*	12	55	52.5	1.30 0.3 62
03-NOV	HO		LAT	LONG	PRO	RMS	MAG	IO				
	SSIS	125343.1	35	18	-03	04	8	0.8	4.8	MELILLA		
	MAL	I	22	31	08.7	I	22	31	13.5	7.28 0.4 125		
	CRT	I	22	31	15.4	I	22	31	26.5			
	ALC	I	22	31	15.8					175		
	ALM	I	22	31	30.0	I	22	31	49.3	0.40 0.8 100		
	TDL	E	*	22	31	42.0	I	22	32	22.5	0.14 0.6 170	
	HAD	I	*	22	31	42.0				180		
	IFR	I	22	31	55.0	I	22	32	33.0	180		
	GUD	E	22	31	58.4					180		
	AVE	I	22	32	06.5	I	22	32	55.0	180		
	LGR	E	*	22	32	18.0	E	22	33	29.8	190	
04-NOV	HO		LAT	LONG	PRO	RMS	MAG	IO				
	SSIS	223103.0	36	56	-04	29	20	0.9	3.8	III MAIAGA		
	ALI	E	12	23	16.3					80		
	ALM	I	12	23	26.9	I	*	12	24	20.9	0.13 1.0 88	
	CRT	E	12	23	29.5							
	TDL	E	12	23	35.0	E	*	12	24	14.0	0.04 0.8 130	
06-NOV	HO		LAT	LONG	PRO	RMS	MAG	IO				
	SSIS	122258.4	38	27	-01	45	10	0.3	3.1	AGRAMON.AB		

## BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR	
		ALM	I		16	32	41.2	I	16	32	53.6	0.59	1.0	126
		ALI	E		16	32	45.0	I	16	33	05.0			115
		ALC	E		16	32	52.7							
		CRT	I		16	32	53.7		16	33	15.8			
		MAL	I		16	33	05.5	I *	16	33	37.6	0.23	0.5	62
		TDL	I		16	33	17.0	E *	16	33	47.0			110
		LGR	E *		16	33	56.5	I *	16	35	01.5			140
06-NOV		HO			LAT	LONG		PRO	RMS	MAG	IO			
		SSIS			163224.1	37 12 -01 21		12	1.0	3.8				IV MEDITERRANEO
		MAL	I		09	12	29.5	I *	09	12	45.0	0.26	0.4	57
		ALC	E		09	12	43.0							
		CRT	E		09	12	46.0							
		TDL	E *		09	13	46.0	E *	09	14	04.0	0.08	1.1	70
10-NOV		HO			LAT	LONG		PRO	RMS	MAG	IO			
		SSIS			091228.9	36 44 -04 25		10	1.8	3.3				MALAGA
		ALC	I		13	53	39.4							100
		CRT	I		13	53	40.0	I	13	53	45.0			
		MAL	I		13	53	43.5	I	13	53	51.5	1.45	0.5	40
		TDL	E		13	54	18.0	E	13	54	51.0	0.03	1.0	90
14-NOV		HO			LAT	LONG		PRO	RMS	MAG	IO			
		SSIS			135332.5	36 53 -03 43		26	0.5	2.9				OTIVAR.GR
		DFD	I		20	07	55.5	I	20	08	02.0			
		ALI	E		20	08	37.0	E *	20	09	19.0			400
		TAF	I		20	08	39.0							
		ALM	I		20	08	39.7	I	20	09	20.9	3.78	1.6	344
		ALR	I		20	08	44.5	I *	20	09	34.0			245
		CRT	I *		20	08	50.3							
		ALC	I		20	08	54.2							567
		MAL	I		20	08	58.8	I *	20	09	40.7	0.68	0.6	280
		EBR	E		20	09	07.0	E *	20	10	10.0			
		IFR	I		20	09	14.0							
		BIB	I		20	09	17.3							
		TDL	I		20	09	19.0	I *	20	10	15.0	0.48	0.8	400
		HAD	I		20	09	19.0							
		GUD	I		20	09	27.5	I *	20	10	29.2			270
		EPF	I		20	09	38.5							
		SFS	E *		20	09	40.0	E	20	10	26.0			
		LGR	I *		20	09	40.5	I	20	10	57.5	1.07	1.3	540
		AVE	I		20	09	40.5							
		LMR	I		20	09	54.2		20	11	26.1			

## BOLETIN DE SISMOS PROXIMOS AÑO 1982

EST		I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
LRG				20 09	55.9			20 11	28.2	0.15	1.1	
COI				20 09	58.4							
CVF				20 09	58.8			20 11	35.8			
LPD				20 09	59.4			20 11	35.2	0.06	0.8	
LFF				20 10	03.2			20 11	43.6	0.10	0.9	
CAF				20 10	03.5			20 11	42.4	0.05	1.0	
RJF				20 10	08.1							
LSF				20 10	21.2			20 12	12.8			
MZF				20 10	21.4							
TCF				20 10	21.4			20 12	15.4			
MFF				20 10	26.3							
SMF	*			20 10	31.0							
AVF				20 10	31.4							
SSF				20 10	34.2							
LDR				20 10	37.8							
LPF				20 10	48.8							
GRR				20 10	52.7							
HAU				20 10	53.4							
FLN				20 10	56.2							
CDF				20 11	00.5							
15-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO					
SSIS	200749.0	35 41	01 24	6	1.0	4.6						MOLIERE,ARG
MAL	I	03 28	24.6	I	*	03 28	37.3	0.41	0.4		51	
ALC	I	03 28	34.0	E	*	03 28	56.0				120	
CRT	E	03 28	34.5		*	03 29	02.7					
TOL	E	03 29	05.0	I	*	03 29	45.0	0.01	0.8		90	
GUD	E	* 03 29	29.8	E	*	03 30	05.7					
20-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO					
SSIS	032817.6	36 31	-04 25	29	1.2	2.9						SE, FUENGIROLA, MA
ALR	E	19 07	31.5	E		19 07	40.5					
MAL	E	19 07	41.3	I		19 07	55.7	0.32	0.6		80	
TAF	I	19 07	43.0	I		19 07	59.8					
ALC	E	19 07	49.0									
IFR	I	19 08	00.0	I		19 08	29.0					
ALM	I	* 19 08	03.2	I	*	19 08	10.2	0.15	0.6		25	
24-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO					
SSIS	190720.7	35 40	-03 42	15	1.1	3.6						ALDRAN
ALR	I	18 14	27.0	E		18 14	35.5					
MAL	I	18 14	36.5	I		18 14	51.0	1.09	0.5		115	
TAF	I	18 14	40.0	I		18 14	56.5					

## BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST	I/E	W	HORA	P	I/E	w	HORA	S	AMP	PER	DUR		
		ALC	E		18	14	43.3						120		
		CRT	I	*	18	14	45.4								
		ALM	I	*	18	14	48.5								
		IFR	I		18	14	55.5	I	18	15	25.0	0.54	1.6	69	
		HAD	I		18	15	12.0								
		AVE	I		18	15	15.0								
		TDL	E		18	15	20.0	E	*	18	16	25.0	0.04	0.8	130
27-NOV	HO	LAT	LONG	PRD	RMS	MAG	ID								
		SSIS	181416.4	35	41	-03	42	14	0.8	3.3	ALBORAN				
		ABA	I		06	21	11.3		06	21	17.3				
		ALI			06	21	57.0	E	*	06	22	36.2		110	
		EBR	E		06	22	16.0	E		06	23	10.0			
		TAF	I		06	22	18.0								
		IFR	I	*	06	22	18.0								
		ALC	E		06	22	29.4						210		
		CRT	E	*	06	22	33.5								
		TOL	E		06	22	44.0	I	06	23	55.0	0.12	1.0	220	
		EPF			06	22	45.5		06	23	59.1	0.03	0.4		
		LMR			06	22	47.4		06	24	04.0				
		LRG			06	22	48.7		06	24	06.3	0.05	0.6		
		CVF			06	22	50.4	*	06	24	06.9				
		LGR	I		06	22	54.4	I	06	24	15.9	0.24	1.3	185	
		MAL	I	*	06	22	57.5	I	*	06	23	55.0	0.07	0.8	126
		LPO			06	23	04.7								
		CAF			06	23	06.3		06	24	38.8	0.01	0.4		
		LFF			06	23	09.4								
		RJF			06	23	12.5								
		AVE	I		06	23	21.0								
		MZF			06	23	23.2								
		LSF			06	23	25.1								
		SMF			06	23	29.4								
		ALM	I	*	06	23	31.2	I	*	06	24	06.8	0.22	0.8	138
		MFF			06	23	32.3								
		AVF			06	23	32.4								
		SSF			06	23	33.1								
		LBF			06	23	34.1								
		LDR			06	23	38.0								
		BSF			06	23	47.8								
		HAU			06	23	49.0								
		LPF			06	23	54.6								
		CDF			06	23	57.0								
		GRR	*		06	23	57.3								
		FLN			06	24	01.8								
01-DIC	HO	LAT	LONG	PRD	RMS	MAG	ID								
		SSIS	062104.2	36	33	03	28	15	1.2	4.0	PALESTRO.ARG				

BOLETIN DE SISMOS PROXIMOS AÑO 1982

	EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
ACU	E			00 20	18.0	E		00 20	31.2			47
EBR	E			00 20	29.0	E *		00 20	57.0			
TOL	E			00 20	42.0	E		00 21	14.0	0.02	0.8	135
ALC	E			00 20	52.0							
GUD	E *			00 20	53.3			00 21	24.6			
EPF				00 20	57.2					0.03	0.4	
LGR	E *			00 21	04.0	I *		00 21	49.0	0.19	0.9	130
CAF	*			00 21	25.0							

03-DIC HD LAT LONG PRO RMS MAG ID

SSIS 002002.7 39 25 -00 33 24 1.3 3.1 Picasent.v

ALM	I *			03 47	06.0	I *		03 47	47.8	0.43	0.9	
ALC	I			03 47	09.0							
CRT	I			03 47	09.8							
IFR	I			03 47	33.0							
HAD	I *			03 47	41.5							
AVE	I			03 47	43.5							

05-DIC

ALR	I			05 15	53.5	I		05 15	57.0			
ALM	I			05 16	05.9	I		05 16	17.8	0.34	0.4	73
ALC	I			05 16	14.5	E		05 16	34.0			115
CRT	E			05 16	14.6							
MAL	I			05 16	16.5	I		05 16	34.7	1.03	0.4	63
IFR	I			05 16	36.0	I		05 17	11.5			
TOL	E *			05 17	09.0	E *		05 18	03.0	0.03	0.9	110

20-DIC HD LAT LONG PRO RMS MAG ID

SSIS 051548.0 35 53 -02 42 8 0.7 3.3 ALBORAN

EPF				00 06	25.1			00 06	32.6			
EBR	E			00 06	47.0			00 07	09.0			
LPO				00 06	53.1					0.23	0.3	
LGR	E			00 06	53.7	I *		00 07	26.2	0.50	0.7	150
LFF				00 06	55.5					0.36	0.4	
CAF				00 06	57.8					0.11	0.3	
RJF				00 07	02.2			00 07	34.6			
LSF				00 07	14.5							
MZF				00 07	15.5							
TCF				00 07	15.8			00 08	01.0			
GUD	E			00 07	17.8							
MFF				00 07	18.6			00 08	08.8			
TOL	E			00 07	22.0	E	*	00 08	14.0	0.03	1.0	130

BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
	LRG		00 07 23.0		00 08 13.6			
	LMR		00 07 24.4		00 08 16.0			
	SMF		00 07 26.7					
	AVF		00 07 26.9					
	SSF		00 07 31.6					
	LBF		00 07 32.3					
	LDR		00 07 34.4					
	LPF		00 07 41.2		00 08 42.8			
	GRR		00 07 44.7		00 08 50.4			
	CVF		00 07 45.8		00 08 54.0			
	FLN		00 07 49.8		00 08 58.0			
24-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	000616.8	42 34	00 34	5	0.9	4.1		BENASQUE.HU

LGR	E	20 43 13.1	I	20 43 21.6	0.49	0.8	110	
EPF	*	20 43 27.2		20 43 48.9				
GUD	E	20 43 44.1	I	20 44 17.1				
LFF		20 43 45.2	*	20 44 19.8	0.02	0.5		
LPO		20 43 46.4		20 44 20.8	0.01	0.4		
TDL	E	20 43 52.0	E	20 44 35.0	0.01	0.8	95	
EBR	E *	20 43 52.0	E	20 44 18.0				
RJF		20 43 53.6		20 44 33.7	0.01	0.4		
CAF		20 43 54.6		20 44 36.0				
LSF		20 44 03.0		20 44 51.0				
MZF		20 44 08.4		20 45 00.0				
TCF		20 44 08.5		20 44 58.5				
26-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	204301.5	42 58	-02 01	15	1.0	3.0		ECHARRI-ARANAZ.NA

SFS	E *	19 30 06.0	E	19 30 17.0			
MAL	I	19 30 22.0	I	19 30 50.0	0.81	0.3	110
AVE	I	19 30 26.5	I	19 30 58.0			
IFR	I	19 30 32.0	I *	19 31 08.0			
CRT	E	19 30 32.5		19 31 10.0			
TDL	I	19 30 47.3	I *	19 31 42.5	0.08	0.9	170
HAD	I	19 30 55.0	I	19 31 51.0			
GUD	I	19 30 55.4	I	19 31 49.7			
LGR	E	19 31 26.5	E *	19 32 44.6	0.31	1.0	220
EPF		19 31 50.2		19 33 25.2	0.01	0.4	
LFF		19 32 11.2					
LPO		19 32 11.6	*	19 34 02.1	0.01	0.5	
RJF		19 32 19.2					
CAF		19 32 19.5	*	19 34 16.8	0.01	0.4	
LSF		19 32 29.0					
TCF	*	19 32 33.2					



## BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR
		MZF	*		19	32	34.8						
		AVF			19	32	46.0						
		SMF			19	32	47.5						
		SSF	*		19	32	48.8						
28-DIC	HO	LAT		LONG	PRO	RMS	MAG	IO					
SSIS	192939.7	36	22	-07	49	40	1.2	4.1	GOLF DE CADIZ				
LGR	E	*	07	57	26.2	E	07	57	34.7	0.43	0.9	120	
EPF			07	57	56.2		07	58	18.6				
EBR			07	58	11.0								
LFF			07	58	12.8		07	58	47.4	0.01	0.4		
LPO			07	58	14.2		07	58	49.9	0.01	0.4		
GUD	E	*	07	58	20.0								
RJF			07	58	21.6		07	59	02.2	0.01	0.4		
CAF			07	58	21.7		07	59	03.3				
LSF			07	58	30.5		07	59	18.9				
TCF			07	58	35.7								
MZF			07	58	36.5								
29-DIC	HO	LAT		LONG	PRO	RMS	MAG	IO					
SSIS	075725.8	42	51	-02	08	5	1.0	3.3	ALSASUA,NA				
ALM	I		05	23	58.8	I	05	24	03.4	6.51	0.8	270	
CRT	I		05	24	15.6								
MAL	I		05	24	22.5	I	05	24	41.3	1.04	0.7	160	
ALI	E		05	24	29.0	E	05	24	53.4				
TOL	I		05	24	47.5	I	05	25	27.0	0.45	1.1	250	
IFR	I		05	24	50.0	I	05	25	32.0				
GUD	I		05	24	57.9	I	*	05	25	31.0			
EBR			05	25	02.0	E	05	25	58.0				
HAD	I		05	25	03.0	E	*	05	25	53.0			
LGR	E		05	25	19.8	I	05	26	21.5	0.43	1.3	260	
CDI	I		05	25	22.7	I	05	26	27.3				
31-DIC	HO	LAT		LONG	PRO	RMS	MAG	IO					
SSIS	052352.0	36	32	-02	14	15	1.2	4.2	ALBORAN				
LGR	I		20	42	16.5	I	20	42	25.0	1.11	0.9	180	
EPF			20	42	31.4								
GUD	I		20	42	47.5	I	20	43	21.8				
LFF			20	42	48.8		20	43	22.0	0.04	0.4		
EBR	E		20	42	49.0								
LPO			20	42	49.5		20	43	23.2	0.04	0.4		
TOL	E		20	42	55.0		20	43	37.2	0.03	0.9	155	
RJF			20	42	56.8		20	43	37.2	0.03	0.3		

		EST I/E W	HORA P	I/E W	HORA S	AMP	PER	DUR
	CAF		20 42 57.5		20 43 39.4			
	LSF		20 43 06.3		20 43 54.3			
	TCF		20 43 11.5		20 44 01.6			
	MZF		20 43 12.2		20 44 05.2			
	AVF		20 43 23.5		20 44 24.5			
	SMF		20 43 26.0		20 44 26.6			
	SSF		20 43 26.1		20 44 30.5			
	LBF		20 43 30.4		20 44 35.6			
	LDR		20 43 31.6		20 44 38.0			
31-DIC	HO	LAT	LONG	PRO	RMS	MAG	ID	
SSIS	204204.7	42 57	-02 02	15	0.8	3.5		ECHARRI-ARANAZ.NA
	LGR E	20 45 25.2	I	20 45 33.9	0.26	0.9	90	
	EPF	20 45 41.0		20 46 03.5				
	LFF	20 45 58.0		20 46 31.8	0.01	0.4		
	LPO	20 45 59.0		20 46 33.6	0.01	0.4		
	EBR E *	20 46 02.5	E	20 46 32.0				
	RJF	20 46 06.5		20 46 46.5	0.01	0.4		
	CAF	20 46 06.8		20 46 47.9				
	LSF	20 46 15.6		20 47 04.5				
	TOL E *	20 46 16.0	E *	20 46 58.0	0.02	0.8	90	
	TCF	20 46 20.8		20 47 12.4				
	MZF *	20 46 21.2						
31-DIC	HO	LAT	LONG	PRO	RMS	MAG	ID	
SSIS	204514.0	42 56	-02 00	10	0.8	3.0		ECHARRI-ARANAZ.NA
	LGR E	20 52 48.2	I *	20 52 56.7	0.26	0.9	80	
	EPF	20 53 03.2		20 53 25.4	0.02	0.4		
	RJF	20 53 29.2						
	CAF	20 53 29.2		20 54 11.0				
	TOL E *	20 53 46.0	E *	20 54 29.0	0.01	0.7	80	
31-DIC	HO	LAT	LONG	PRO	RMS	MAG	ID	
SSIS	205235.1	42 41	-02 04	69	0.9	2.8		ESTELLA.NA
	LGR E	21 21 51.0	I	21 21 59.5	0.20	1.0	80	
	EPF	21 22 11.8		21 22 33.7	0.02	0.4		
	RJF	21 22 37.6						
	CAF	21 22 37.9		21 23 19.6				
	EBR E *	21 22 57.0						
31-DIC	HO	LAT	LONG	PRO	RMS	MAG	ID	
SSIS	212141.7	42 42	-02 13	62	0.4	2.7		ESTELLA.NA

## BOLETIN DE SISMOS PROXIMOS AÑO 1982

		EST	I/E	W	HORA	P	I/E	W	HORA	S	AMP	PER	DUR		
	LGR	E	*		22	06	31.2	E	*	22	06	39.7	0.27	1.0	100
	EPF				22	07	15.6	E	*	22	07	37.5	0.02	0.4	
	EBR	E	*		22	07	37.0	E		22	08	06.0			
	RJF				22	07	41.5								
	CAF				22	07	42.2								
31-DIC	TOL	E	*		22	07	58.0	E	*	22	08	39.0	0.02	0.6	80
	HO			LAT	LONG	PRO	RMS	MAG	IO						
	SSIS	220706.8	43	02	00	20	55	1.1	3.1			GRIPP.FR			
	LGR	E			23	52	07.7	E		23	52	16.2	0.14	0.9	70
	EPF				23	52	29.6			23	52	51.4	0.01	0.4	
	RJF				23	52	55.0								
	CAF				23	52	55.2			23	53	38.2			
31-DIC	HO			LAT	LONG	PRO	RMS	MAG	IO						
	SSIS	235158.5	42	40	-02	17	64	0.5	2.6			ACFDD.NA			

RESUMEN SISMICIDAD ANO 1982

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1982-01-03	02-13-27.8	03-01.9 W	42-05.2 N	10	0.9	39	20	5	SSIS	3.1		QUINTANA DE LA SIERRA, BU
1982-01-06	16-32-49.8	00-58.3 W	43-15.4 N	10	0.7	2	3	43	SSIS	4.9	VI	TARDETS, FR
1982-01-06	17-22-11.8	00-58.7 W	43-14.5 N	18	0.7	3	6	27	SSIS	3.9	R	MAULEON LICHAPPE, FR
1982-01-13	03-12-00.5	04-54.0 W	35-18.0 N						SPGM			PUNTA COSELLA, MAC
1982-01-18	11-29-56.7	02-12.0 E	42-54.0 N	5	0.3				LDGP	3.0		GUILLAN, FR
1982-01-18	12-40-55.0	09-36.0 W	36-00.0 N						SPGM			SW. CABO SAN VICENTE
1982-01-18	18-42-38.0	02-29.6 W	36-37.4 N	5	1.9	17	13	8	SSIS	3.2		GOLFO DE ALMERIA
1982-01-19	18-34-34.2	00-24.0 W	43-06.0 N	10	0.7				LDGP	3.4		ARUDY, FR
1982-01-22	14-28-52.2	00-29.1 W	38-21.4 N	10	1.0			4	SSIS	3.0		ALICANTE
1982-01-25	13-34-41.5	00-06.0 W	34-06.0 N						SPGM			MARRUECOS
1982-01-26	22-37-39.7	08-24.0 W	35-54.0 N						SPGM			ATLANTICO
1982-01-27	00-18-59.4	00-33.5 W	43-20.5 N	10	0.4	3	4	21	SSIS	3.2		MONEIN, FR
1982-01-27	02-55-49.0	09-36.0 W	36-18.0 N						SPGM			SW. CABO SAN VICENTE
1982-01-28	12-00-06.3	06-48.0 W	34-06.0 N						SPGM			MARRUECOS
1982-01-30	18-02-36.7	03-51.7 W	36-39.7 N	10	0.4	4	6	7	SSIS	3.1		NERJA, MA
1982-02-04	09-11-30.2	00-56.6 W	42-53.8 N	5	0.6	16	15	9	SSIS	3.3		ISABA, NA
1982-02-04	17-43-45.6	04-12.0 E	40-30.0 N	25	0.5				LDGP	3.5		MEDITERRANEO
1982-02-06	23-25-10.2	01-53.6 W	42-50.6 N	10	1.2	10	14	11	SSIS	3.0	P	PAMPLONA
1982-02-06	23-29-14.3	03-57.5 W	35-38.3 N	5	0.1	3	4	5	SSIS	4.0		ALBORAN
1982-02-09	00-16-06.5	02-42.0 E	37-54.0 N						LDGP	3.1		MEDITERRANEO
1982-02-12	17-06-23.4	09-41.7 W	35-43.3 N	5	0.5	14	16	7	SSIS			ATLANTICO
1982-02-13	23-46-23.8	01-48.0 E	41-48.0 N						LDGP	2.9		MANRESA, B
1982-02-20	13-45-14.7	11-00.0 W	39-12.5 N	10	0.4			4	SSIS			ATLANTICO
1982-02-20	23-40-01.4	03-04.7 W	36-31.7 N	37	0.8	6	43	9	SSIS	3.8		MEDITERRANEO
1982-02-23	17-59-13.8	02-40.8 W	40-33.9 N	5	1.1	4	7	20	SSIS	4.1	V	GASCUENA, GU
1982-02-26	08-24-15.8	01-34.9 W	37-39.8 N	10	1.1	10	14	11	SSIS	3.8	III	LORCA, MU
1982-02-26	18-08-45.7	08-56.9 W	36-03.0 N	10	0.6	18	22	7	SSIS			S. CABO SAN VICENTE
1982-03-02	16-40-23.4	04-01.0 W	35-05.6 N	10	0.5	8	11	8	SSIS	4.0		ACHDIR, MAC
1982-03-07	08-27-44.9	00-34.4 W	35-49.4 N	20	0.4			4	SSIS	3.4		ORAN, ARG
1982-03-07	16-25-56.4	03-51.7 W	36-44.1 N	10	0.5	3	4	10	SSIS	3.7	IV	ALMURECAR, GR

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1982-03-11	14-49-37.7	01-54.4 W	42-52.7 N	7	0.8	4	4	28	SSIS	3.8	IV	P+ PAMPLONA,NA
1982-03-12	04-53-49.8	01-46.4 W	42-40.8 N	10	0.9	11	9	10	SSIS	3.1	P	PUENTE LA REINA,NA
1982-03-12	06-02-08.9	00-24.0 W	43-06.0 N	10	0.9				LDGP	3.1		ARUDY,FR
1982-03-12	06-52-32.2	00-07.3 E	42-35.0 N	16	0.5	8	3	8	SSIS	3.9		BIELSA,HU
1982-03-13	12-00-03.4	00-00.0 E	43-00.0 N	5	0.6				LDGP	3.2		ARGELES-CAZOST,FR
1982-03-14	18-58-51.4	00-14.0 E	43-07.0 N	5	0.8	4	6	13	SSIS	3.6		BAGNERES BIGORRE,FR
1982-03-16	22-58-49.4	00-48.0 W	38-23.0 N						SSIS	2.8	IV +	NOVELDA,A
1982-03-17	19-34-42.0	07-17.2 W	36-22.2 N	6	0.6	10	10	6	SSIS			GOLFO DE CADIZ
1982-03-22	12-46-47.0	06-55.7 W	36-36.8 N	5	0.6	7	9	9	SSIS			GOLFO DE CADIZ
1982-03-25	17-01-36.4	04-42.0 W	43-48.0 N						LDGP	4.7		ATLANTICO
1982-03-25	19-06-36.1	02-36.0 E	42-00.0 N						LDGP	2.9		GERONA
1982-03-25	18-56-33.0	09-12.0 W	36-30.0 N						SPGM			SW.CABD SAN VICENTE
1982-03-30	05-01-47.9	01-57.2 W	42-54.8 N	10	1.1	5	8	20	SSIS	3.3	P	IRURZUN,NA
1982-03-30	11-14-30.4	01-53.9 W	42-52.4 N	10	0.8	4	5	29	SSIS	3.4	P	IRURZUN,NA
1982-04-01	13-36-55.7	00-24.0 W	43-06.0 N	5	0.7				LDGP	3.1		ARUDY,FR
1982-04-01	06-26-38.0	09-42.0 W	36-00.0 N						SPGM			SW.CABD SAN VICENTE
1982-04-03	09-05-48.5	03-35.4 W	33-11.0 N	10	1.0	10	9	12	SSIS	3.5		ANUAL,MAC
1982-04-03	16-03-16.7	01-49.9 W	42-56.7 N	5	1.0	10	12	11	SSIS	3.0	P	IRURZUN,NA
1982-04-04	23-03-38.2	10-46.5 W	33-17.6 N	60	1.2	5	10	40	SSIS	4.4		ATLANTICO
1982-04-05	00-56-39.7	03-55.2 W	37-13.1 N	18	0.4	6	2	7	SSIS	3.8		ILLORA,GR
1982-04-05	02-41-57.0	05-48.0 W	35-12.0 N						SPGM			EL JEMIS,MAC
1982-04-07	17-02-05.2	02-48.5 W	40-11.4 N	5	0.9	11	21	5	SSIS	3.2	R	GARCINARRO,CU
1982-04-10	21-08-44.2	00-06.0 W	43-00.0 N		0.6				LDGP	3.1		ARGELES-CAZOST,FR
1982-04-11	14-54-48.6	00-29.5 W	43-13.6 N	5	0.8	4	8	10	SSIS	3.3		OLORDN,FR
1982-04-11	20-21-46.7	03-10.9 E	41-34.3 N	7	0.5	9	6	8	SSIS	3.0		MEDITERRANE
1982-04-12	10-08-05.6	01-56.6 W	42-55.1 N	5	0.9	9	10	19	SSIS	3.2	P	IRURZUN,NA
1982-04-12	11-20-32.1	01-54.1 W	42-55.1 N	10	0.2				SSIS	3.0	P	IRURZUN,NA
1982-04-12	16-30-25.4	03-20.0 E	41-22.9 N	14	0.5	3	6	10	SSIS	3.0		MEDITERRANE
1982-04-14	11-01-03.3	04-24.6 W	36-16.0 N	31	0.9	25		5	SSIS	3.0		ALBORAN
1982-04-14	19-42-44.7	00-36.0 W	43-24.0 N	10	0.5				LDGP	3.0		LAGOR,FR

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1982-04-17	02-23-18.2	07-01.6 W	35-40.2 N	40	1.2	4	22	31	SSIS	4.3		ATLANTICO
1982-04-17	02-57-21.6	09-30.0 W	36-12.0 N						SPGM			SW.CABD SAN VICENTE
1982-04-19	08-09-14.7	01-20.7 E	36-08.5 N	32	0.8	4	28	25	SSIS	3.7	R	ORLEANSVILLE.ARG
1982-04-19	13-18-51.8	05-07.5 W	34-10.3 N	15	0.9	17	21	8	SSIS	3.6		MARRUECOS
1982-04-24	10-37-27.4	00-42.0 W	43-00.0 N		0.7				LDGP	3.0		ACCOUX.FR
1982-04-24	17-05-30.7	00-31.7 W	43-11.2 N	10	0.5	5		16	SSIS	3.5		OLDRON.FR
1982-04-27	05-10-54.0	14-00.0 W	35-30.0 N						SPGM			ATLANTICO
1982-04-29	02-55-17.5	05-24.0 W	34-30.0 N						SPGM			DEFALI.MAC
1982-05-05	23-22-10.0	13-00.0 W	37-06.0 N						SPGM			ATLANTICO
1982-05-07	11-41-49.8	01-42.0 E	41-06.0 N	5	1.2				LDGP	2.9		SITGES.B
1982-05-09	12-47-58.0	08-18.0 W	35-48.0 N						SPGM			ATLANTICO
1982-05-11	11-06-59.4	01-12.0 E	38-12.0 N	10				15	CSEM			MEDITERRANE
1982-05-11	11-13-30.2	00-06.0 E	43-06.0 N		0.6				LDGP	3.2		BAGNERES BIGORRE.FR
1982-05-11	11-33-44.1	00-00.0 E	43-06.0 N		0.8				LDGP	3.1		BAGNERES BIGORRE.FR
1982-05-11	21-06-04.5	09-12.0 W	36-18.0 N						SPGM			SW.CABD SAN VICENTE
1982-05-15	10-33-13.7	01-48.6 W	42-54.2 N	5	0.7	5	7	24	SSIS	3.3	P	IRURZUN.NA
1982-05-22	04-03-03.2	01-46.0 W	42-44.6 N	10	1.0	5	5	39	SSIS	4.6	V P+	PAMPLONA.NA
1982-05-22	04-15-44.9	01-42.0 W	43-00.8 N						SSIS		P	IRURZUN.NA
1982-05-22	04-30-46.8	01-57.8 W	42-43.2 N	10	0.9	12	17	9	SSIS	2.8	P	ESTELLA.NA
1982-05-22	04-37-51.0	01-45.0 W	42-50.6 N	5	0.9	3	3	40	SSIS	4.2	P	PAMPLONA.NA
1982-05-22	05-59-23.9	02-03.1 W	42-56.0 N	15	0.9	4	5	28	SSIS	3.9	P	ECHARRI-ARANAZ.NA
1982-05-22	21-45-52.4	02-06.0 W	42-31.5 N	78	1.4	4	3	6	SSIS			SESMA.NA
1982-05-23	02-51-50.3	02-08.3 W	37-15.4 N	25	0.9	50	53	6	SSIS	3.1		LUBRIN.AL
1982-05-23	13-17-11.1	03-48.0 E	37-00.0 N		1.1			12	NEIS			TIGZIRT.ARG
1982-05-23	20-45-43.8	02-21.0 W	43-03.2 N	60	0.8	7	8	21	SSIS	3.4		ZUMARRAGA.SS
1982-05-23	22-22-21.5	02-06.0 W	42-42.0 N						LDGP	2.8	P	ESTELLA.NA
1982-05-24	01-58-00.2	01-39.6 W	42-47.5 N	5	0.6	4	4	23	SSIS	3.9	P	PAMPLONA.NA
1982-05-24	21-09-36.6	01-54.9 W	42-43.7 N	10	0.8	5	6	28	SSIS	3.7	P	ESTELLA.NA
1982-05-25	14-32-57.3	04-01.9 W	35-21.0 N	5	0.1	2	2	5	SSIS			AL-HOCEIMA.MAC
1982-05-28	03-46-02.6	03-14.3 W	36-27.4 N	20	0.8	1	2	6	SSIS	3.8		ALBORAN

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1982-05-29	03-55-08.2	01-58.1 W	42-59.1 N	15	0.9	6	9	19	SSIS	3.4	P	LEIZA,NA
1982-05-29	12-55-39.2	00-00.0 E	43-00.0 N		0.3				LDGP	3.0		BAGNERES BIGORRE,FR
1982-05-29	22-35-36.2	02-00.6 W	42-50.8 N	62	0.9	5	11	18	SSIS	2.8	P	ECHARRI-ARANAZ,NA
1982-06-09	02-41-51.4	02-56.1 W	37-05.3 N	43	0.6	15	31	5	SSIS	3.2		ALCOLEA,AL
1982-06-09	10-09-25.8	00-18.0 E	43-06.0 N	10	1.0				NEIS			BAGNERES BIGORRE,FR
1982-06-11	16-16-28.6	00-38.2 E	41-58.7 N	5	0.6	8	4	10	SSIS	3.0		TARDIENTA,HU
1982-06-11	19-48-48.5	00-08.7 W	43-01.9 N	30	0.8	6	6	19	SSIS	3.5		LOURDES,FR
1982-06-12	04-39-34.0	01-20.0 E	35-41.2 N	5	0.6	5	5	14	SSIS	3.9	R	GUILLAUMET,ARG
1982-06-12	09-59-15.8	00-20.6 W	43-11.6 N	14	1.1	4	7	28	SSIS	4.4		PAU,FR
1982-06-12	11-49-21.0	00-30.0 W	43-06.0 N	10	0.9				LDGP	3.0		ARUDY,FR
1982-06-12	15-45-26.7	00-30.0 W	43-00.0 N	5	1.0				LDGP	3.2		ARUDY,FR
1982-06-12	17-23-52.6	00-24.5 W	43-14.9 N	5	1.0	4	7	28	SSIS	4.0		PAU,FR
1982-06-17	09-26-26.4	06-09.3 W	36-56.3 N	14	0.1			4	SSIS	3.7		LEBRIJA,CA
1982-06-20	04-30-12.6	04-06.0 E	37-06.0 N		0.7				LDGP	3.6		TIGZIRT,ARG
1982-06-22	19-50-23.7	01-52.0 W	42-52.5 N	7	1.1	3	4	46	SSIS	4.9	V +	PAMPLONA,NA
1982-06-22	20-18-31.6	02-05.2 W	43-06.2 N	10	0.7	3	7	14	SSIS	2.7		TOLOSA,SS
1982-06-22	20-24-05.5	01-55.3 W	43-01.4 N	5	1.0	7	7	26	SSIS	3.2	R	LEIZA,NA
1982-06-22	22-20-20.8	02-09.8 W	43-09.6 N	10	0.7	17	13	9	SSIS	3.2	R	TOLOSA,SS
1982-06-23	01-04-14.4	01-47.5 W	42-53.9 N	5	0.6	7	8	14	SSIS	3.1	R	IRURZUN,NA
1982-06-23	01-22-18.4	01-45.6 W	42-55.9 N	5	1.1	6	9	25	SSIS	3.5	R	IRURZUN,NA
1982-06-23	06-15-31.4	01-43.6 W	43-03.1 N	5	1.4	7	7	19	SSIS	3.2	R	LEIZA,NA
1982-06-23	08-35-43.1	01-48.1 W	42-50.1 N	6	0.7	7	4	16	SSIS	3.5	R	PAMPLONA,NA
1982-06-23	22-14-40.5	01-46.0 W	42-48.3 N	5	0.9	4	3	38	SSIS	3.8	R	PAMPLONA,NA
1982-06-25	12-00-40.9	03-07.7 W	36-48.2 N	5	1.0	4	4	16	SSIS	3.9		ALBUÑOL,GR
1982-06-25	14-40-50.8	02-45.0 W	37-07.9 N	31	0.4	14	80	6	SSIS	3.4		ABLA,AL
1982-07-02	03-44-06.1	03-48.0 E	41-42.0 N		0.4				LDGP	2.7		BLANES,GE
1982-07-04	12-58-24.1	03-57.9 W	37-04.2 N	5	0.6	4	7	7	SSIS	3.4	III	ALHAMA,GR
1982-07-04	19-33-36.5	04-12.2 W	36-27.6 N	5	0.2			4	SSIS	3.2		ALBORAN
1982-07-04	23-44-37.9	02-06.0 W	42-42.0 N		0.7				LDGP	2.4	R	ESTELLA,NA
1982-07-06	08-27-02.3	02-06.0 W	42-56.0 N		0.9				LDGP	2.7	R	ESTELLA,NA

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1982-07-06	19-57-03.9	01-40.9 E	36-19.2 N	40	0.2			4	SSIS			R QUERBA.ARG
1982-07-06	21-18-13.5	04-06.0 W	37-26.3 N	20	0.4	12	6	5	SSIS	3.6		PRIEGO.CO
1982-07-13	02-17-21.0	03-50.9 W	36-29.2 N	10	0.4			3	SSIS	3.3		ALBORAN
1982-07-17	20-33-24.0	05-48.0 W	34-36.0 N						SPGM			DEFALI.MAC
1982-07-19	21-25-04.6	04-40.9 W	35-23.1 N	40	0.4	4	38	6	SSIS	3.6		N.PUNTA PESCADORES.MAC
1982-07-21	18-05-40.0	05-06.0 W	34-48.0 N						SPGM			RAFSAI.MAC
1982-07-21	19-07-14.7	00-18.0 E	43-00.0 N		0.6				LDGP	3.0		GRIPP.FR
1982-07-21	19-46-42.3	00-06.0 E	42-54.0 N		0.7				LDGP	3.2		GRIPP.FR
1982-07-22	22-43-29.1	02-56.3 W	36-46.0 N	5	0.9	4	5	9	SSIS	3.3		BERJA.AL
1982-07-27	16-22-38.0	09-54.0 W	36-12.0 N						SPGM			SW.CABO SAN VICENTE
1982-08-01	06-22-33.5	00-12.0 E	43-06.0 N		0.7				LDGP	3.2		BAGNERES BIGORRE.FR
1982-08-05	01-26-11.1	02-11.1 W	43-04.1 N	10	1.0	9	10	20	SSIS	3.4		BEASAIN.SS
1982-08-16	11-54-27.2	03-04.4 W	36-23.2 N	5	1.0			4	SSIS	3.0		ALBORAN
1982-08-17	18-35-04.8	05-12.7 W	34-06.5 N	10	0.1			3	SSIS	3.7		MARRUECOS
1982-08-21	04-07-45.5	01-50.8 W	43-24.6 N	10	0.9	36		9	SSIS	3.4		IRUN.SS
1982-08-22	23-57-13.4	01-47.9 W	42-41.7 N	61	0.6	8	13	12	SSIS	3.3		PUNTE LA REINA.NA
1982-08-23	16-11-58.3	02-46.2 W	40-48.3 N	5	1.0	8	7	6	SSIS	2.9		CIFUENTES.GU
1982-08-23	20-21-25.7	00-24.0 W	43-06.0 N	10	0.8				LDGP	3.0		ARUDY.FR
1982-08-24	07-17-12.0	06-57.6 W	35-51.0 N						SSIS	3.1	III S	ATLANTICO
1982-08-25	20-59-03.9	00-10.4 W	43-17.0 N	10	0.7	6	8	20	SSIS	4.1		PAU.FR
1982-08-31	13-24-55.7	00-06.0 W	43-00.0 N		0.8				LDGP	3.1		ARGELES-CAZOST.FR
1982-09-01	09-29-44.7	00-06.0 W	43-00.0 N		0.7				LDGP	3.1		ARGELES-CAZOST.FR
1982-09-10	19-59-35.1	03-50.3 N	37-03.3 N	5	0.4	2	2	10	SSIS	3.5	III	PADUL.GR
1982-09-10	22-25-12.4	01-25.2 E	35-38.2 N	32	0.6	4	14		SSIS	3.7		DIDEROT.ARG
1982-09-11	04-48-45.2	01-21.7 E	35-40.1 N	29	1.0	7	15	22	SSIS	4.2	R	DIDEROT.ARG
1982-09-11	21-35-52.2	01-42.7 E	36-19.2 N	19	0.9	7	10	21	SSIS	4.3	R	LES AUATS.ARG
1982-09-11	21-40-11.8	02-09.5 E	36-03.6 N	10	1.2	9	9	18	SSIS	3.8	R	MARBOT.ARG
1982-09-22	18-02-49.1	01-36.1 E	36-15.9 N	5	0.8	23	39	8	SSIS		R	LES AUATS.ARG
1982-09-22	20-36-55.7	07-34.4 W	36-29.9 N	30	0.7	3	9	14	SSIS	3.3		GOFU DE CADIZ
1982-09-22	21-52-11.9	08-25.0 W	40-45.7 N	10	1.8	51		5	SSIS	2.8		ESTARREJA.PORT



F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1982-09-23	03-55-48.1	04-20.5 W	36-08.9 N	5	1.2	15	11	8	SSIS	2.7		ALBORAN
1982-09-26	02-22-51.6	03-29.7 W	37-11.5 N	10	0.5			4	SSIS	2.9		GRANADA
1982-10-03	08-34-58.3	05-17.0 W	37-20.7 N	10	1.3	7	16	13	SSIS	3.9		MARCHENA, SE
1982-10-03	12-10-20.2	04-44.9 W	36-38.4 N	5	0.9	37	33	7	SSIS	3.2		ALHAURIN EL GRANDE, MA
1982-10-04	19-38-25.2	03-30.0 E	41-54.0 N	5	1.1			4	LDGP	3.4		CABO BAGUR, GE
1982-10-08	09-38-15.1	03-19.3 W	37-18.2 N	5	0.8			4	SSIS	3.4		GUADIX, GR
1982-10-09	04-01-12.0	05-48.0 W	34-36.0 N	5	1.2	11	19	8	SPGM	3.5		DEFALI, MAC
1982-10-10	03-19-59.5	02-05.7 W	38-51.6 N	5	1.2	11	19	8	SSIS	3.5		SAN PEDRO, AB
1982-10-17	19-11-28.5	04-30.0 W	35-00.0 N	31	0.9	3	35	36	SPGM	4.0	R	TORRES ALCALA, MAC
1982-10-21	00-59-10.8	01-22.5 E	36-05.8 N	31	0.9	3	35	36	SSIS	4.0	R	ORLEANSVILLE, ARG
1982-10-22	02-14-46.5	09-33.1 W	36-52.7 N	20	1.3	16	19	14	SSIS	3.5		SW, CABO SAN VICENTE
1982-10-29	00-20-38.5	01-31.3 E	36-02.4 N	10	0.7	9		10	SSIS	3.4	R	ORLEANSVILLE, ARG
1982-10-30	03-44-11.3	01-51.5 W	36-03.4 N	10	1.0			4	SSIS	3.8		MEDITERRANEO
1982-11-02	05-02-48.0	07-48.0 W	36-00.0 N	10	1.0			4	SPGM	3.8		ATLANTICO
1982-11-03	10-58-19.2	00-38.1 W	38-58.9 N	10	1.0	16	45	5	SSIS	3.3		ENGUERA, V
1982-11-03	12-53-43.1	03-03.6 W	35-17.8 N	8	0.8	9	13	7	SSIS	4.8		MELILLA
1982-11-04	18-32-08.5	07-54.0 W	34-18.0 N	20	0.9	4	3	14	SPGM	3.8	III	MARRUECOS
1982-11-04	22-31-03.0	04-28.7 W	36-56.3 N	20	0.9	4	3	14	SSIS	3.8		MALAGA
1982-11-06	12-22-58.4	01-45.3 W	38-27.5 N	10	0.3			4	SSIS	3.1		AGRAMON, AB
1982-11-06	14-57-29.0	09-18.0 W	36-12.0 N	10	0.3			4	SPGM	3.1		SW, CABO SAN VICENTE
1982-11-06	16-32-24.1	01-20.7 W	37-12.0 N	12	1.0	22	13	9	SSIS	3.8	IV	MEDITERRANEO
1982-11-10	09-12-28.9	04-24.6 W	36-43.7 N	10	1.8			3	SSIS	3.3		MALAGA
1982-11-11	09-30-12.8	00-18.0 W	43-06.0 N	26	0.7			7	LDGP	3.0		ARUDY, FR
1982-11-14	13-53-32.5	03-43.5 W	36-52.6 N	26	0.5	10	5	7	SSIS	2.9		OTIVAR, GR
1982-11-15	03-02-49.2	00-06.0 W	43-06.0 N	6	0.7			4	LDGP	3.0		LOURDES, FR
1982-11-15	20-07-49.0	01-24.1 E	35-40.9 N	6	1.0	4	3	46	SSIS	4.6	R	MOLJERE, ARG
1982-11-17	11-52-44.5	08-00.0 W	34-18.0 N	29	1.2	37	14	5	SPGM	2.9		ATLANTICO
1982-11-20	03-28-17.6	04-24.6 W	36-31.2 N	29	1.2	37	14	5	SSIS	2.9		SE, FUENGIROLA, MA
1982-11-22	23-49-29.0	08-36.0 W	36-36.0 N	10					SPGM			ATLANTICO
1982-11-23	10-06-15.6	03-54.0 W	35-06.0 N	10					SPGM			ACHDIR, MAC

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	ND	AGEN	MAG	INT	LOCALIZACION
1982-11-24	19-07-20.7	03-42.0 W	35-40.5 N	15	1.1	6	9	6	SSIS	3.6		ALBORAN
1982-11-26	12-55-07.4	08-00.0 W	34-12.0 N						SPGM			ATLANTICO
1982-11-27	18-14-16.4	03-41.9 W	35-41.4 N	14	0.8	3	6	12	SSIS	3.3		ALBORAN
1982-11-29	07-15-19.6	05-30.0 W	43-48.0 N		0.9				LDGP	3.5		NE.CABO PERAS.O
1982-12-01	06-21-04.2	03-27.9 E	36-33.2 N	15	1.2	5	4	37	SSIS	4.0	R	PALESTRO.ARG
1982-12-01	21-14-02.0	04-42.0 W	34-18.0 N						SPGM			MARRUECOS
1982-12-03	00-20-02.7	00-33.1 W	39-24.7 N	24	1.3	10	23	8	SSIS	3.1		PICASENT.V
1982-12-03	15-46-45.7	05-06.0 E	43-12.0 N		0.4				LDGP	3.0		FRANCIA
1982-12-08	05-25-54.0	05-42.0 W	34-00.0 N						SPGM			MARRUECOS
1982-12-12	19-19-43.8	00-12.0 E	43-00.0 N		0.5				LDGP	3.0		GRIPP.FR
1982-12-19	13-29-51.5	09-18.0 W	26-24.0 N						SPGM			SW.CABO SAN VICENTE
1982-12-20	05-15-48.0	02-42.1 W	35-52.7 N	8	0.7	4	3	11	SSIS	3.3		ALBORAN
1982-12-22	05-40-48.0	00-36.0 W	43-30.3 N	5	0.9				LDGP	3.1		ARTHEZ.FR
1982-12-20	05-53-04.1	02-48.0 E	41-48.0 N		1.1				LDGP	2.8		LLAGDSTERA.GE
1982-12-22	21-16-02.0	00-36.0 W	43-30.0 N	10	0.7				LDGP	3.4		ARTHEZ.FR
1982-12-23	14-48-13.4	03-48.0 E	43-00.0 N	5	0.8				LDGP	4.1		GOLFO DE LYON
1982-12-24	00-06-16.8	00-33.9 E	42-34.2 N	5	0.9	2	3	35	SSIS	4.1		BENASQUE.HU
1982-12-26	03-39-12.3	00-36.0 W	43-30.0 N	10	0.8				LDGP	3.1		ARTHEZ.FR
1982-12-26	20-43-01.5	02-01.0 W	42-57.6 N	15	1.0	5	5	21	SSIS	3.0	F	ECHARRI-ARANAZ.NA
1982-12-28	19-29-39.7	07-49.5 W	36-22.1 N	40	1.2	5	29	23	SSIS	4.1		GOLFO DE CADIZ
1982-12-28	23-33-01.4	00-36.0 W	43-24.0 N	10	0.8				LDGP	3.0		ARTHEZ.FR
1982-12-29	07-57-25.8	02-08.2 W	42-50.8 N	5	1.0	13	17	16	SSIS	3.3		ALSASUA.NA
1982-12-31	05-23-52.0	02-13.7 W	36-31.6 N	15	1.2	5	5	19	SSIS	4.2	R	ALBORAN
1982-12-31	20-42-04.7	02-02.3 W	42-57.2 N	15	0.8	4	4	32	SSIS	3.5	R	ECHARRI-ARANAZ.NA
1982-12-31	20-45-14.0	02-00.1 W	42-56.5 N	10	0.8	4	5	17	SSIS	3.0	R	ECHARRI-ARANAZ.NA
1982-12-31	20-52-35.1	02-04.5 W	42-41.5 N	69	0.9	6	10	6	SSIS	2.8	R	ESTELLA.NA
1982-12-31	21-21-41.7	02-13.5 W	42-41.6 N	62	0.4	10	10	7	SSIS	2.7	R	ESTELLA.NA
1982-12-31	22-07-06.8	00-20.5 E	43-01.9 N	55	1.1				SSIS	3.1		GRIPP.FR
1982-12-31	23-51-58.5	02-17.2 W	42-40.2 N	64	0.5	11	10	7	SSIS	2.6	R	ACEDO.NA



3° W

2° W

○ Mosegoso de Tajuna

40° 30'

40° 30'

○ Canizares

○ Sacedón

● Priego

○ Pastrana

○ Mondéjar

● Buendia

● Villalba del Rey

● Canaveras

● Gascuena

III

IV

V

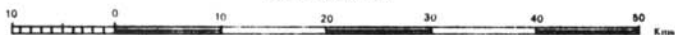
● Huete

○ CUENCA

40° 00'

40° 00'

ESCALA GRAFICA

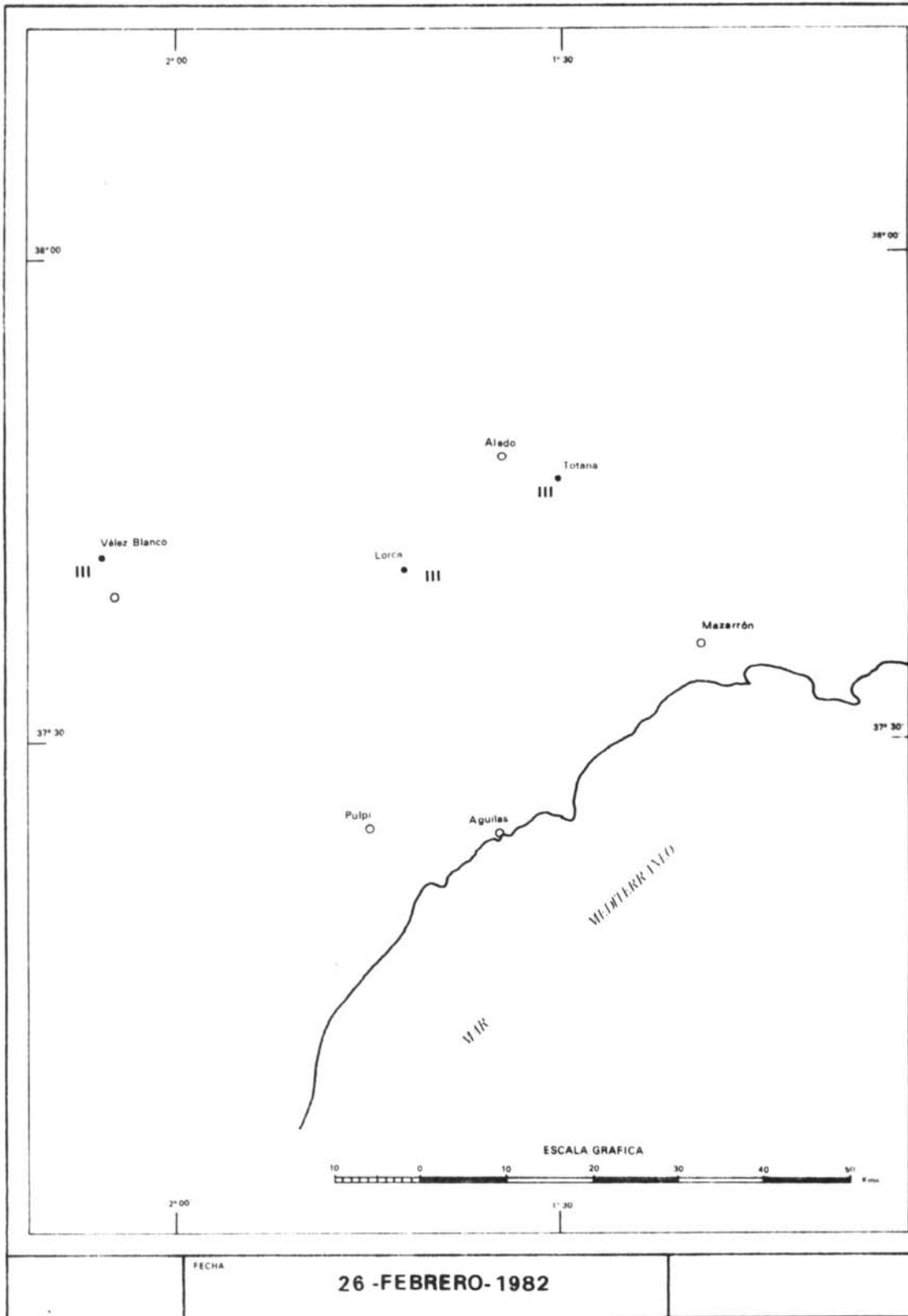


3° W

2° W

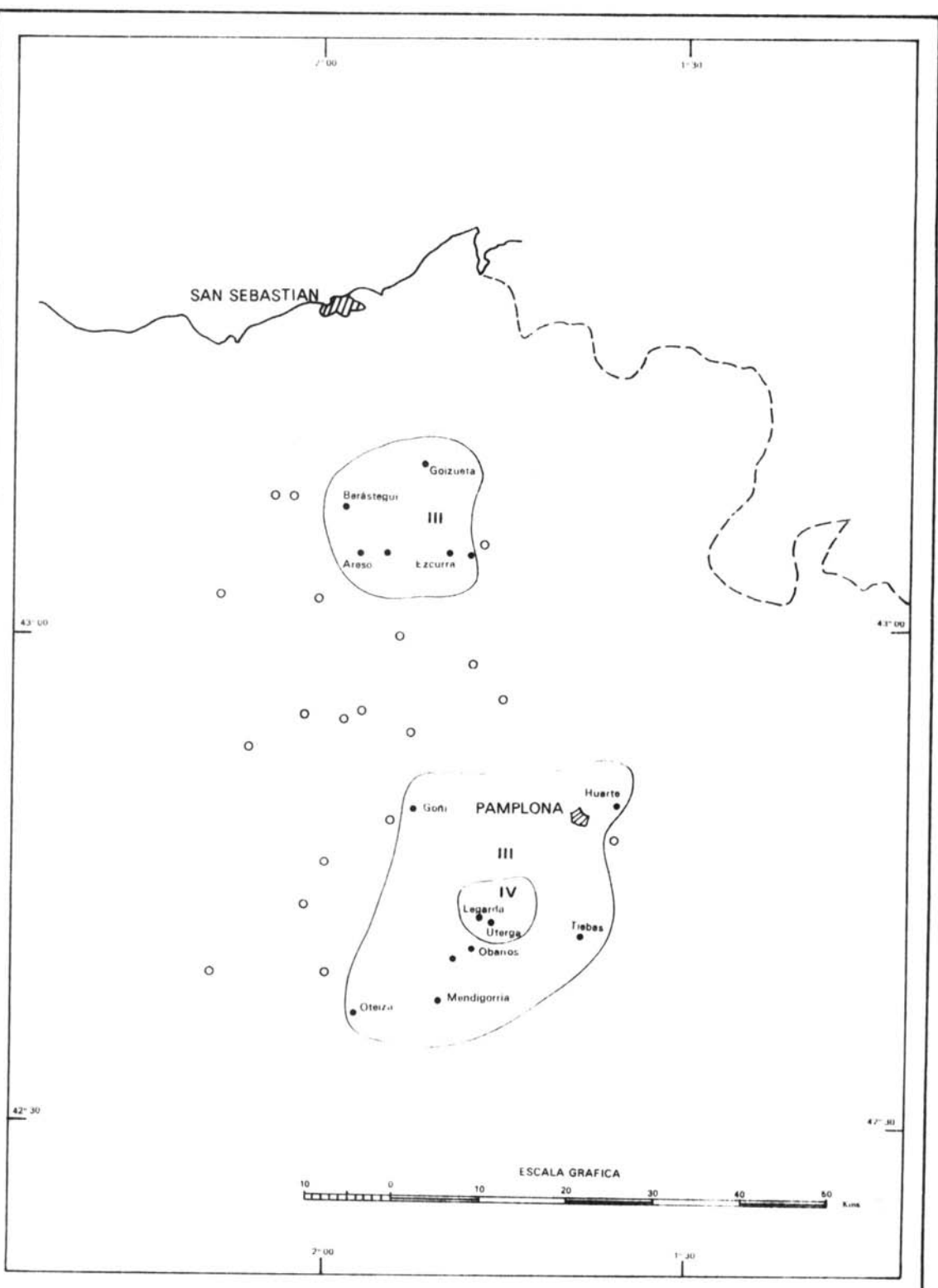
FECHA

23-FEBRERO-1982



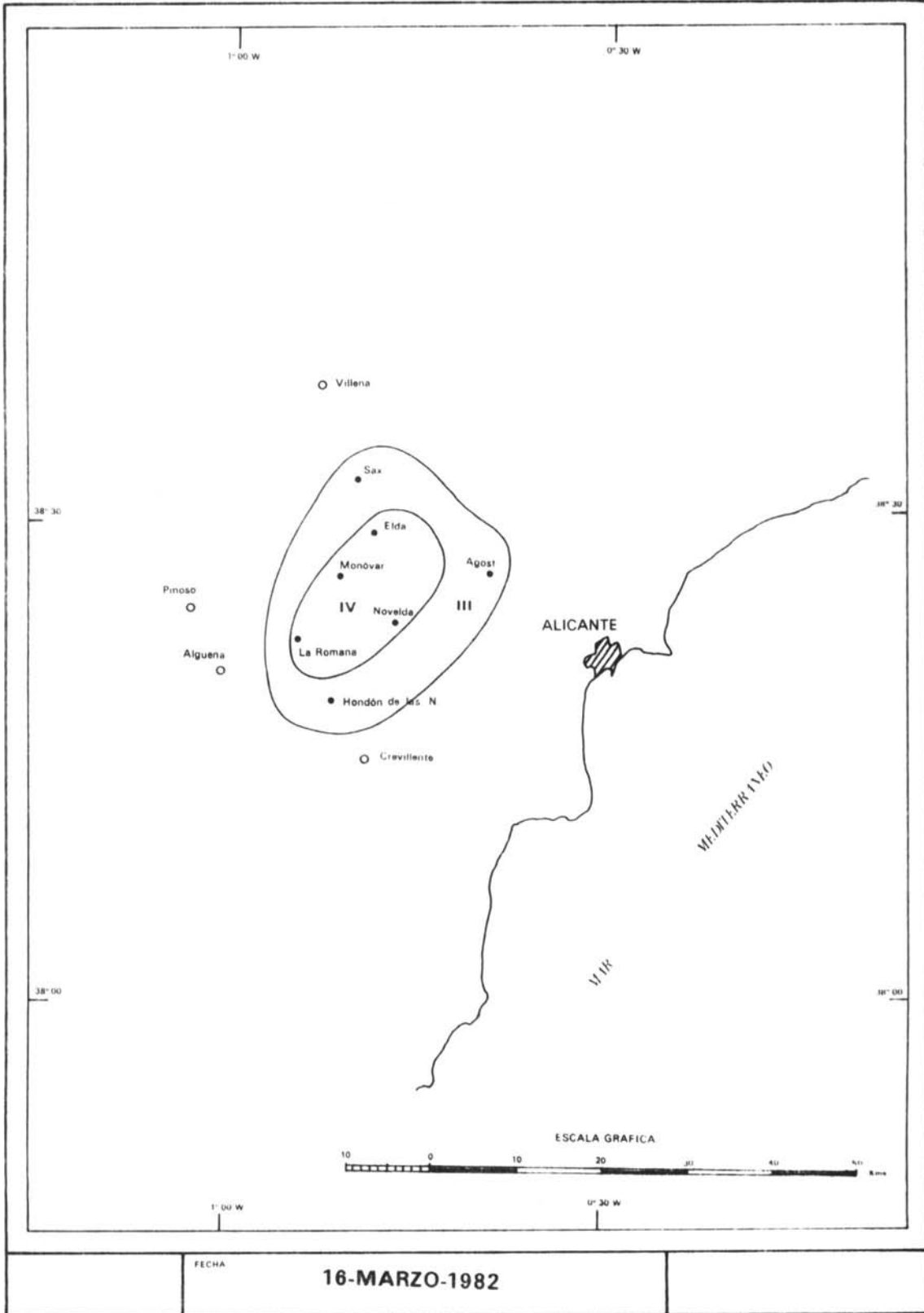
FECHA

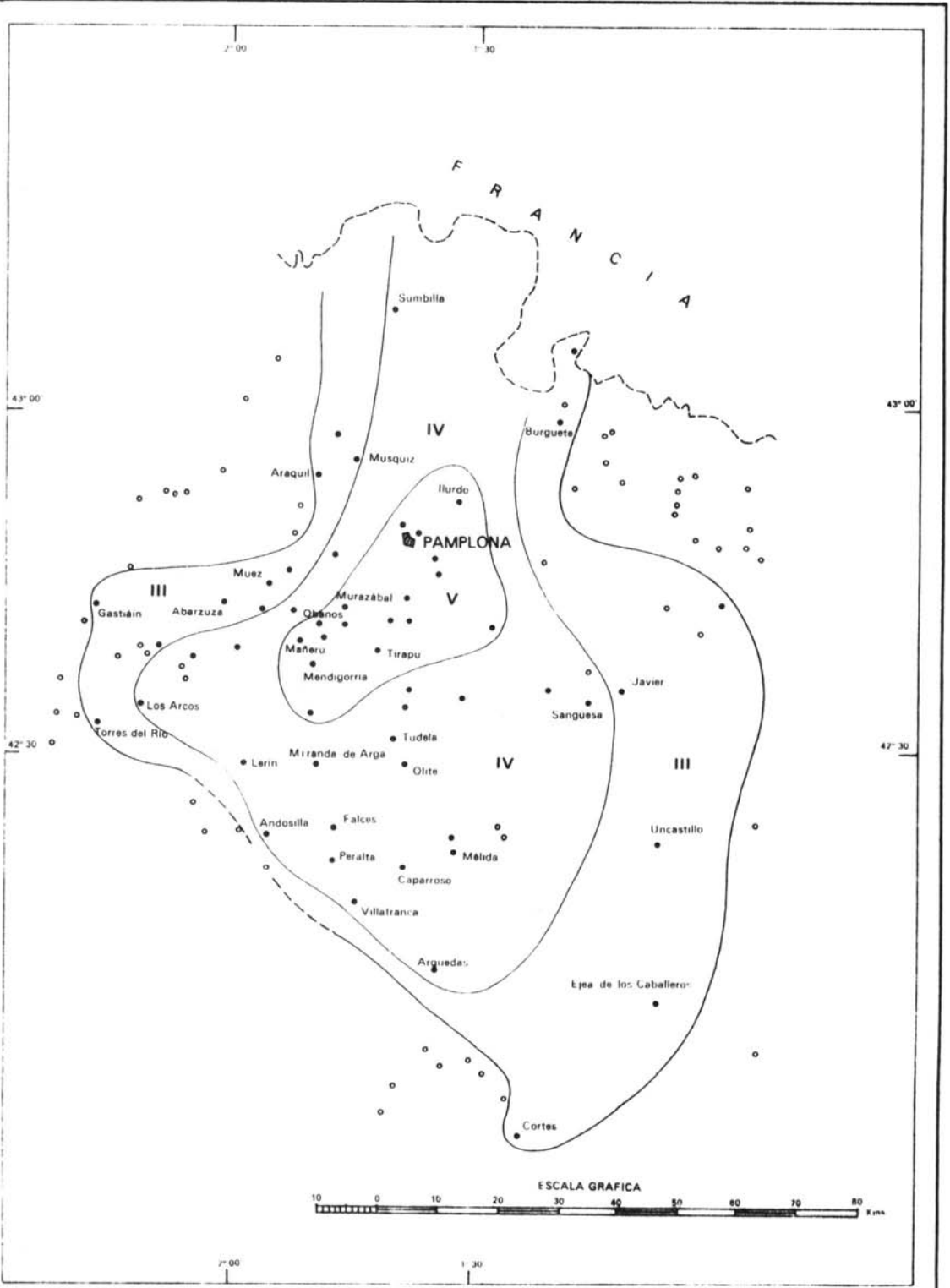
26 - FEBRERO - 1982



FECHA

11-MARZO-1982





FECHA

22-MAYO-1982



2° 00' W

1° 40' W

43° 00'

42° 00'



ESCALA GRAFICA



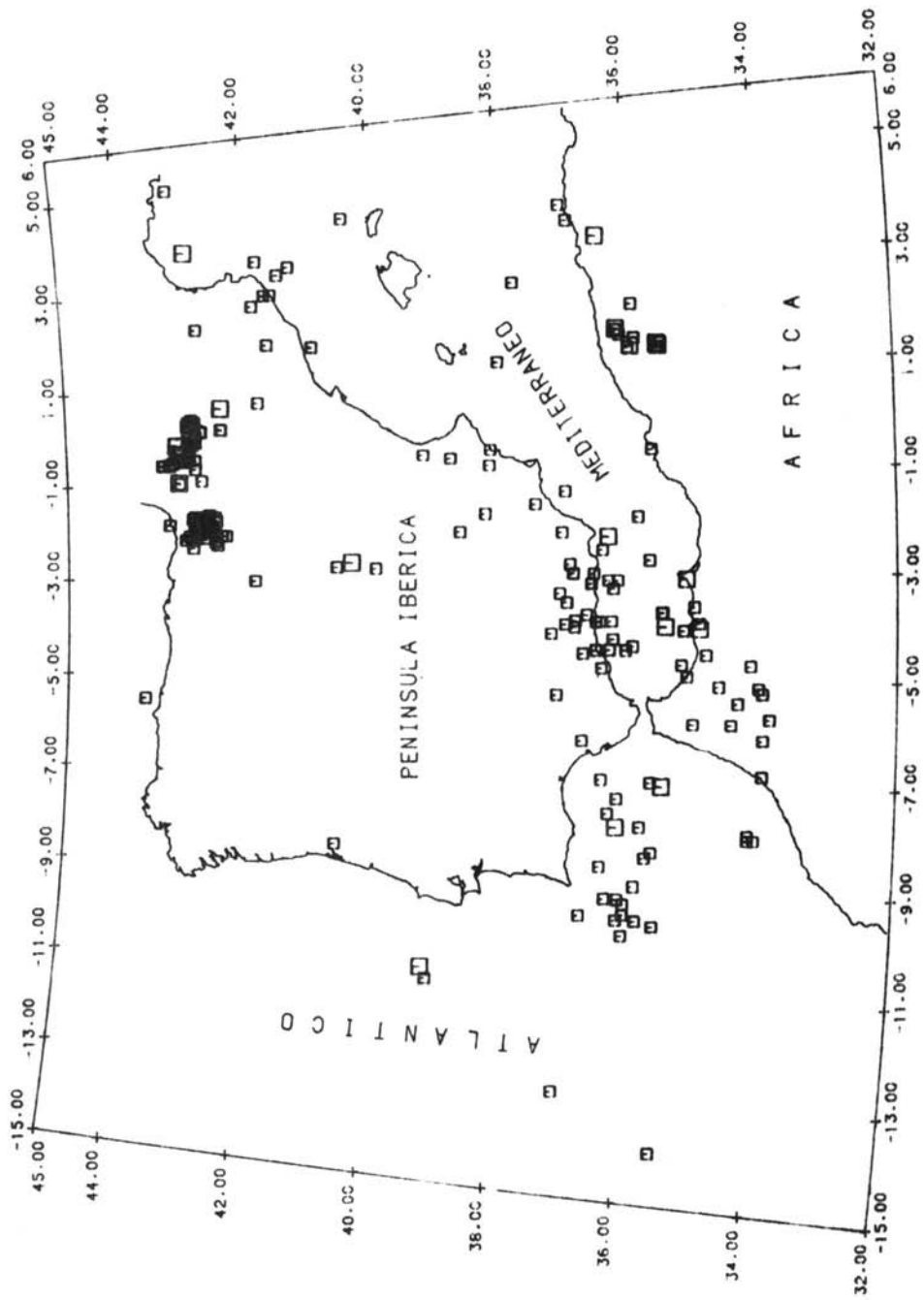
2° 00' W

1° 30' W

FECHA

22-JUNIO-1982

# SISMICIDAD AÑO 1982



## MAGNITUDES

- |     |   |   |
|-----|---|---|
| 0.5 | W | □ |
| 4.0 | W | □ |
| 5.5 | W | □ |

EPICENTROS RECALCULADOS 1982.

Estando terminado el Boletín de Sismos Próximos 1982 y próximo a su publicación en la imprenta, se han recibido en esta Sección datos de algunos Observatorios Portugueses que se han incluido con los datos ya existentes, obteniendo las siguientes localizaciones que han de sustituir a las establecidas previamente en este boletín.

Ho.	LAT.	LONG.	PRO	RMS	MAG.	
<u>17 MARZO.</u>						
SSIS 19.34.40.4	36 34	-07 35	27	0.65		Golfo de Cádiz
<u>25 MARZO</u>						
SSIS 17.01.34.0	45 40	-05 02	20	1.03	4.7	Atlántico
<u>4 ABRIL</u>						
SSIS 23.03.38.7	39 24	-10 42	20	1.05	4.4	Atlántico
<u>17 ABRIL</u>						
SSIS 02.23.17.8	35 41	-06 59	22	1.09	4.3	Atlántico
<u>22 SEPTIEMBRE</u>						
SSIS 21.51.09.3	37 25	-13 38	40	0.65	2.8	Atlántico
<u>22 OCTUBRE</u>						
SSIS 02.14.46	36 55	-09 34	20	1.03	3.5	SWCabo S.Vicente
<u>28 DICIEMBRE</u>						
SSIS 19.29.40.2	36 23	-07 42	20	1.06	4.1	Golfo de Cádiz

NOTA: El terremoto que figura en el resumen el 1-Abril-1982 a las 06h 26m 38s, dado por SPGM, queda sustituido por el siguiente:

1982-04.01, 06.26.38.0 09.42.0W 36.00.0N SPGM Cabo S. Vicente.