INSTITUTO GEOGRAFICO NACIONAL
Seccion de Sismologia
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BOLETIN DE SISMOS PROXIMOS — PRIMER TRIMESTRE 1.984

INFORMACION Y DATOS DEL BOLETIN

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

EST	Codigo de la estacion
I/E	Fase impulsiva (I) o emergente (E)
W	Peso de la estacion. '*'Peso nulo. '=' Calculado con S-P
HORA P	Hora de llegada de la primera fase
HORA S	Hora de llegada de la fase 'S' correspondiente
AMP	Amplitud del movimiento en micras
PER	Periodo en segundos
DUR	Duracion en segundos

2.- DATOS DE CALCULO HIPOCENTRAL

FECHA	Dia 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 cuadratico medio
MAG	Magnitud 'MB' a partir de la fase 'LG'
IO	Intensidad maxima en el epicentro
NO	Numero de estaciones

3.- RESUMEN DE LA ACTIVIDAD SISMICA DEL AREA: Se incluye una lista cronologica con toda la informacion calculada

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

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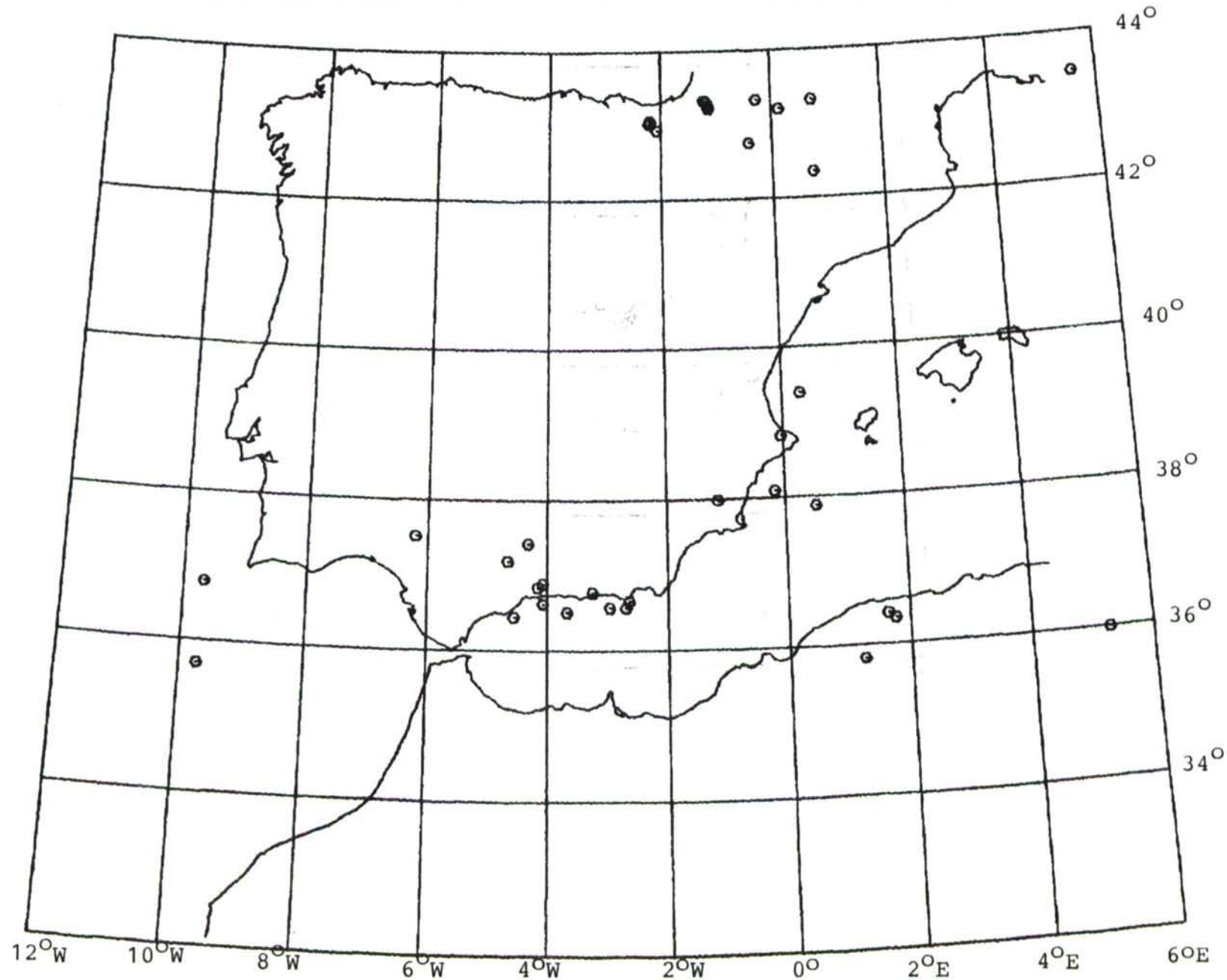
RESUMEN DE SISMOS LOCALIZADOS DURANTE EL PRIMER TRIMESTRE DE 1.984

LONG	LAT	FECHA	HORA-ORIG.	PRO	RMS	EH	EZ	MAG	NO	IN	LOCALIZACION
09-41.1W	36-47.0N	1984-01-03	07-25-45.8	5	0.6	15	16	3.3	14		SW.C.S.VICENTE
02-58.1W	36-33.9N	1984-01-12	18-23-45.5	5	0.9	6	15	3.3	8		ALBORAN
05-16.9E	35-59.2N	1984-01-18	11-11-54.4	80	0.7	12	9	4.1	9		MEZOUG.ARG
02-11.7W	43-03.8N	1984-01-21	00-31-17.8	10	0.8	16	20		6		BEASAIN.SS
01-08.1W	37-58.7N	1984-01-25	17-50-32.5	10	1.1	10	18	3.2	9		MURCIA.MU
00-25.0W	42-44.9N	1984-02-01	08-58-08.2	10	0.5	6	6	3.2	10		PANTICOSA.HU
00-43.9E	42-20.7N	1984-02-03	01-42-15.1	5	0.3	1	1	3.3	10		GERRI.L
02-38.3W	36-39.1N	1984-02-03	13-48-57.2	5	0.9	12	7		5		GOLFO ALMERIA
00-02.2W	38-49.0N	1984-02-05	05-03-11.4	100	0.3	5	4		6		GOLFO VALENCIA
04-10.0W	36-50.0N	1984-02-08	16-55-30.2	10	0.4	4	5	3.1	5		VELEZ MALAG.MA
03-15.1W	36-45.9N	1984-02-14	01-43-07.9	6	0.5	5	10	3.0	9		LA RABITA.GR
06-12.9W	37-30.5N	1984-02-16	19-01-01.4	5	0.6	3	4	3.9	18		SEVILLA.SE
01-13.7E	35-48.4N	1984-02-16	19-23-53.7	5	1.2	19	14		9		MASSENA.ARG
02-41.8W	36-33.6N	1984-02-18	22-32-01.8	5	1.2	20			7		ALBORAN
05-33.6E	43-27.1N	1984-02-19	21-14-37.9	16	0.4	2	2	4.3	19	V	MARSEILLE.FR
04-19.9W	37-24.9N	1984-02-21	05-55-16.7	10	0.8	9	8		7		LUCENA.CO
04-40.2W	37-11.1N	1984-02-22	03-43-28.6	20	0.6	4	17	3.1	7		LA RODA.SE
00-08.1E	43-11.9N	1984-02-23	05-51-44.2	5	1.0	4	5	4.0	15		TARBES.FR
04-33.8W	36-26.6N	1984-02-24	18-07-51.6	70	0.7	5	5	3.2	15		ALBORAN
01-08.2W	43-13.5N	1984-02-25	02-03-18.6	10	0.8	2	4	4.8	31	+	OSSES.FR
01-11.0W	43-18.3N	1984-02-25	06-42-53.4	5	0.9	15	20	3.1	7	R	OSSES.FR
01-13.1W	43-19.7N	1984-02-25	13-12-45.3	14	0.1	1	2	3.0	7	R	OSSES.FR
01-10.4W	43-18.4N	1984-02-27	21-35-30.6	17	0.6	4	7	3.1	10	R	OSSES.FR
01-08.5W	43-15.4N	1984-02-28	10-00-50.3	20	0.4	12	9	3.0	6	R	OSSES.FR
04-05.0W	36-52.9N	1984-03-03	01-42-30.7	7	0.6	3	15	3.3	11		VELEZ MALAG.MA
04-04.8W	36-36.9N	1984-03-05	16-51-02.3	10	0.8	19	16		6		ALBORAN
03-41.0W	36-30.3N	1984-03-05	20-01-54.4	11	0.8			3.1	6		ALBORAN
02-12.8W	43-01.8N	1984-03-19	00-34-20.4	30	0.8	5	9	3.0	15		BEASAIN.SS
02-04.5W	42-56.4N	1984-03-19	01-03-47.2	9	0.6	5	4	2.7	12		ECHARRI ARA.NA
00-10.0W	38-05.3N	1984-03-20	23-32-39.5	10	0.7	4	3	3.2	11	S+	MEDITERRANEO
00-31.1E	37-52.6N	1984-03-21	10-20-20.7	5	1.4			2.8	4		MEDITERRANEO
00-44.0E	43-18.7N	1984-03-22	04-36-24.1	10	1.1	37	24	3.1	6		BOULOGNE S.FR
00-16.5W	43-19.6N	1984-03-25	05-39-09.1	5	0.3	3	3	3.1	8		PAU.FR
09-43.6W	35-40.8N	1984-03-26	13-47-28.4	5	1.1			3.8	9		SW.C.S VICENTE
00-18.9E	39-23.3N	1984-03-29	23-58-47.6	31	0.5	6	15	3.0	7		GOLFO VALENCIA
01-39.7E	36-23.9N	1984-03-31	03-31-55.1	13	0.9	4	6	4.6	21		SOUK ET T.ARG
01-45.6E	36-20.2N	1984-03-31	04-45-32.9	30	0.8	5	6	4.2	20	R	SOUK ET T.ARG

SISMOS LOCALIZADOS PRIMER TRIMESTRE DE 1984



EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
FAR	E	*	07 26 17.8						
MOT	I	=	07 26 20.4	I	=	07 26 47.2			
MTH	I		07 26 21.4	I		07 26 48.6			
COI	E		07 26 41.8	E	*	07 27 27.3			
MTE	E		07 26 47.4			07 27 33.0			
MCV	I	*	07 26 47.4	I	*	07 27 41.8			
MAL	I		07 26 51.0	I		07 27 39.5	0.34	0.5	83
PTO			07 26 52.7			07 27 42.7			
SMO	I		07 26 58.0	I		07 27 53.0			
GUD	E		07 27 12.3	E		07 28 16.0			150
TOL	E	*	07 27 53.0	E	*	07 28 38.0			110
ALM	I	*	07 28 16.6	I	*	07 28 20.1	0.14	0.7	26

03-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	072545.8	36 47	-09 41	5	0.6	3.3		SW.CABO SAN VICENTE

ALM	I		18 23 53.9	I	*	18 23 59.6	1.72	0.4	100
ALR	I		18 23 57.0	I		18 24 06.0			60
PHE	I		18 23 57.5	E	*	18 24 01.3			
CRT	I		18 24 01.0						
SMO	I		18 24 04.2						
MAL	I		18 24 05.3	I	*	18 24 16.3	0.64	0.5	87
GUD	E		18 24 50.0						110
TOL	E	*	18 25 03.0	E	*	18 25 38.0	0.05	0.8	110

12-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	182345.5	36 34	-02 58	5	0.9	3.3		ALBORAN

SET	I		11 12 05.0	I		11 12 15.0			
ABA	I		11 12 26.5	I		11 12 48.5			
RLA	I		11 12 51.0	I		11 13 33.0			
ALM	I		11 13 25.7	I	*	11 13 35.5	0.13	0.8	29
PHE	I		11 13 39.6						
CRT	E	*	11 13 40.8						
LOJ	E		11 13 45.5						
SMO	I	*	11 13 47.6						
TOL	E	*	11 14 05.0						

18-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	111154.4	35 59	05 17	80	0.7	4.1		MEZOUG.ARG

LGR	E		00 31 29.0	I		00 31 38.5			50
EPF			00 31 49.7			00 32 11.0			
CAF			00 32 13.3			00 32 52.4			

21-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	003117.8	43 04	-02 12	10	0.8			BEASAIN.SS

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	ALI	E		17 50 43.0	E		17 50 53.0	0.88	0.5	50
	SMO	E		17 51 05.6	E		17 51 33.5			
	PHE	E		17 51 08.4						
	LOJ	E	*	17 51 08.5						
	TOL	E		17 51 19.0	I		17 51 51.0	0.04	0.6	70
	GUD	E		17 51 28.0	E		17 52 08.0			75

25-ENE	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	175032.5	37 59	-01 08	10	1.1	3.2		MURCIA.MU

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	EBR	E	*	08 58 19.0	E	*	08 59 18.0			
	EPF			08 58 19.2			08 58 28.4			
	LGR	E		08 58 33.6	I		08 58 55.1	0.25	0.7	90
	LPO			08 58 44.7						
	LFF			08 58 46.1						
	CAF			08 58 52.0			08 59 24.5			
	GUD	E		08 59 02.0	E		08 59 42.0			

01-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	085808.2	42 45	-00 25	10	0.5	3.2		PANTICOSA.HU

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	EPF			01 42 28.3						
	EBR	E		01 42 42.0	E		01 43 02.5			
	LPO			01 42 53.6			01 43 22.6			
	LFF			01 42 56.6		*	01 43 22.2			
	CAF			01 42 59.0			01 43 32.4			
	GUD	E		01 43 16.5	E		01 44 04.0			

03-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	014215.1	42 21	00 44	5	0.3	3.3		GERRI.L

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	ALM	I		13 49 00.8	I	*	13 49 10.8	0.23	0.7	55
	PHE	E		13 49 13.5						
	SMO	E		13 49 16.3						
	TOL	E		13 49 52.0	E		13 50 31.0			60

03-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	134857.2	36 39	-02 38	5	0.9			GOLFO DE ALMERIA

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	ALI	E		05 03 27.3	E		05 03 39.0	0.73	0.5	70
	EBR	E		05 03 44.0	E		05 04 09.0			
	PHE	E		05 04 03.5						
	GUD	E	=	05 04 09.0	E	=	05 04 49.5			

05-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	050311.4	38 49	-00 02	100	0.3			GOLFO DE VALENCIA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		16 55 34.5	I		16 55 38.0	1.46	0.4	25
LOJ	I		16 55 35.2						
PHE	I		16 55 37.2						
AFC	I		16 55 43.0						

08-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	165530.2	36 50	-04 10	10	0.4	3.1		VELEZ MALAGA.MA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CRT	E	*	01 43 08.0	E		01 43 23.6			
PHE	I		01 43 15.8	I		01 43 20.7			
AFC	I		01 43 16.8						44
SMO	I		01 43 20.2	I		01 43 30.0			
MAL	E		01 43 25.0	I		01 43 37.3	0.19	0.3	50
ALM	I	*	01 43 25.6	I		01 43 28.4	0.34	0.8	32

14-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	014307.9	36 46	-03 15	6	0.5	3.0		LA RABITA.GR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
SFS	I	*	19 01 23.5	I	*	19 01 40.3			
FAR			19 01 26.9		*	19 01 44.3			
LOJ	I		19 01 31.4						
MOT			19 01 33.1		*	19 01 55.4			
MAL	I	=	19 01 33.2	I	=	19 01 56.3	0.21	0.3	110
PRL			19 01 34.8			19 02 01.0			
SMO	I		19 01 34.8						
PHE	I		19 01 36.4						
AFC	I		19 01 37.1	E	*	19 02 18.1			135
CRT	I	*	19 01 43.1	I	*	19 02 14.1			
MTH			19 01 45.7		*	19 02 21.0			
LIS		*	19 01 46.7			19 02 15.6			
TOL	E	=	19 01 48.0	E	=	19 02 22.5			230
GUD	E		19 01 56.0	E		19 02 36.9			240
COI	I	=	19 01 58.0	I	=	19 02 36.3			
ACU	E		19 02 12.8						113
STS	E		19 02 26.0	E	*	19 03 24.0			205
LGR	E	=	19 02 32.7	I	=	19 03 36.2	0.28	0.9	225
EBR	E	*	19 04 10.0						

16-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	190101.4	37 30	-06 13	5	0.6	3.9		SEVILLA.SE

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ABA			19 24 24.0	I		19 24 47.0			
ALM	I	*	19 24 34.8	I		19 25 22.3	0.12	0.7	124
ACU	E		19 24 42.6						65
PHE	E	*	19 24 52.7						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CRT	E		19 24 56.0						
SMO	I		19 24 57.0						
EBR	E		19 25 08.0						
TOL	E		19 25 22.0						
GUD	E		19 25 27.3						

16-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	192353.7	35 48	01 14	5	1.2			MASSENA.ARG

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALM	I		22 32 08.6	I		22 32 11.6	0.57	0.3	41
AFC	I		22 32 18.4						42
PHE	I		22 32 19.3			22 32 28.5			
SMO	E		22 32 22.5			22 32 38.7			

18-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	223201.8	36 34	-02 42	5	1.2			ALBORAN

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LRG			21 14 48.5			21 14 56.6			
LMR			21 14 50.7						
FRF			21 14 52.5						
CVF			21 15 17.7			21 15 47.8			
CAF			21 15 22.5			21 15 56.0			
LPO			21 15 28.9			21 16 06.8			
SMF			21 15 29.8			21 16 07.1			
RJF			21 15 29.8			21 16 08.0			
MZF			21 15 30.8			21 16 10.6			
EBR	E	*	21 15 49.6	E	*	21 16 50.0			
LGR	I		21 16 06.6	E	*	21 17 17.5	0.27	1.3	300
GUD	I		21 16 28.6						
TOL	I		21 16 33.5	E	*	21 18 09.0			

19-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	211437.9	43 27	05 34	18	0.4	4.3	V	MARSEILLE.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
SMO	E		05 55 26.4	I		05 55 32.5			
PHE	I		05 55 28.2						
AFC	I		05 55 28.9	E		05 55 38.9			59
MAL	E		05 55 29.5	I		05 55 38.8			

21-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	055516.7	37 25	-04 20	10	0.8			LUCENA.CO

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		03 43 37.8			03 43 45.6	0.59	0.3	28
PHE	I		03 43 42.4	I		03 43 54.0			
SMO	I		03 43 44.2	I	*	03 43 57.8			
AFC	I		03 43 44.8	E		03 43 57.6			51

22-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	034328.6	37 11	-04 40	20	0.6	3.1		LA RODA.SE

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF			05 51 47.4			05 51 50.1			
LPO			05 52 13.4						
LFF			05 52 15.4						
LGR	E		05 52 19.7	I		05 52 43.2	1.59	1.2	250
CAF			05 52 20.6						
FBR			05 52 21.5			05 52 52.0			
EBR	E		05 52 25.0	E		05 52 53.0			
GUD	I	=	05 52 46.5	I	=	05 53 34.0			
MCV	E	*	05 52 50.5	I	*	05 54 23.0			
TOL	I	=	05 52 52.0	I	=	05 53 43.0	0.24	1.2	200
LRG			05 52 52.4						
ACU	E		05 52 55.3						103
MTE	E	*	05 53 42.8	I	*	05 55 11.0			

23-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	055144.2	43 12	00 08	5	1.0	4.0		TARBES.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		18 08 02.0	I		18 08 10.2	1.38	0.4	65
PHE	I		18 08 06.5						
LOJ	I		18 08 07.5						
SMO	I		18 08 11.5						
CRT	I		18 08 11.5	I	*	18 08 28.4			
AFC	I		18 08 11.9						110
PRL	E	*	18 08 34.0	I		18 09 25.5			
TOL	E		18 08 42.5	E		18 09 22.0			
MOT	E		18 08 46.0	I		18 09 25.4			
MCV	I	=	18 08 48.6	E	=	18 09 44.2			
GUD	E		18 08 53.0			18 09 38.2			
MTE	E	*	18 08 53.5	I	*	18 10 26.5			

24-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	180751.6	36 27	-04 34	70	0.7	3.2		ALBORAN

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF			02 03 37.7						
LGR	I		02 03 41.8	I		02 03 57.8	0.65	1.2	440
LFF			02 03 53.6						
LPO			02 03 54.6						
EBR	E		02 04 01.0	E		02 04 32.0			
CAF			02 04 02.6			02 04 36.8			
GUD	I		02 04 10.7	I		02 04 51.7			330
MCV	I	*	02 04 13.0						
TOL	I		02 04 18.3	I		02 05 03.0	0.59	0.8	400
ALI	I		02 04 31.8	I		02 05 25.2	3.25	1.3	200
MTE	I		02 04 39.2						
LRG			02 04 39.4			02 05 39.0			
STS	I		02 04 40.0	I		02 05 38.0			316
PTO	I		02 04 44.9						
PRL	I		02 04 47.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
COI	I		02 04 48.8	I	*	02 05 55.6			
AFC	I		02 04 51.0						
CRT	I		02 04 51.5						
PHE	I		02 04 54.0						
LOJ	I		02 04 54.0						
ALM	I		02 04 54.2	I	*	02 06 09.3	0.54	1.5	204
MAL	I		02 05 01.0	I	*	02 06 14.0	0.20	0.8	200
MOT	C		02 05 02.0						
MTH	I		02 05 06.0						

25-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	020318.6	43 13	-01 08	10	0.8	4.8		OSSES.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF			06 43 13.4						
LGR	E		06 43 16.3	I		06 43 32.8	0.37	0.9	95
LPO			06 43 30.0						
CAF			06 43 37.6						
GUD	E		06 43 48.0	E		06 44 28.0			
TOL	E	*	06 44 11.0	E	*	06 45 03.0			

25-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	064253.4	43 18	-01 11	5	0.9	3.1		OSSES.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF			13 13 06.0			13 13 21.5			
LGR	E		13 13 07.5	E		13 13 24.0			60
LPO		*	13 13 22.8						
CAF			13 13 29.4			13 14 02.0			
LFF		=	13 13 24.9		=	13 13 50.6			

25-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	131245.3	43 20	-01 13	14	0.1	3.0		OSSES.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF			21 35 49.9			21 36 05.6			
LGR	E		21 35 52.5	I		21 36 08.7	0.23	0.9	85
LFF			21 36 05.4						
LPO			21 36 05.6						
CAF			21 36 13.7			21 36 46.6			
GUD	E		21 36 23.0	E		21 37 03.0			
EBR	E	*	21 36 24.0	E	*	21 36 53.0			

27-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	213530.6	43 18	-01 10	17	0.6	3.1		OSSES.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF		=	10 01 09.5		=	10 01 24.4			
LGR	E		10 01 11.8	I		10 01 28.0	0.21	0.7	70
LFF			10 01 24.7						
CAF			10 01 33.5			10 02 06.0			

28-FEB	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	100050.3	43 15	-01 08	20	0.4	3.0		OSSES.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LOJ	I		01 42 34.8	I		01 42 37.8			
PHE	I		01 42 35.2	E		01 42 41.0			
MAL	I		01 42 36.7	I		01 42 41.0	1.48	0.3	46
CRT	I		01 42 39.7	I		01 42 47.5			
SMO	I		01 42 40.6	I		01 42 49.7			
AFC	I		01 42 40.7						58

03-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	014230.7	36 53	-04 05	7	0.6	3.3		VELEZ MALAGA.MA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		16 51 08.0	I		16 51 11.5			
PHE	I		16 51 10.5	I		16 51 17.0			
LOJ	I		16 51 13.4						
AFC	E		16 51 15.9						

05-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	165102.3	36 37	-04 05	10	0.8			ALBORAN

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
PHE	I		20 02 01.9	I		20 02 9.2			
MAL	E		20 02 05.7	I		20 02 14.0	0.48	0.3	28
AFC	E		20 02 08.0						56
LOJ	I		20 02 08.7						

05-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	200154.4	36 30	-03 41	11	0.8	3.1		ALBORAN

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CRT	I		05 20 50.6	I		05 20 52.2			
PHE	I		05 20 50.5	I		05 20 53.6			
AFC	I		05 20 51.3						68
SMO	I		05 20 51.5	I		05 20 54.5			
LOJ	I		05 20 51.9	I		05 20 57.0			
MAL	I		05 20 59.0	I		05 21 07.5	0.89	0.3	28

07-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	052047.0	37 07	-03 46	10	0.3	3.3		CHIMENEAS.GR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LGR	E		00 34 30.5	I		00 34 41.5	0.33	0.8	115
EPF		=	00 34 46.0		=	00 35 07.8			
GUD	E		00 35 01.4	E		00 35 34.2			
LFF			00 35 03.6			00 35 35.7			
EBR	E		00 35 05.0	E		00 35 38.5			
LPO			00 35 05.3			00 35 38.1			
TOL	E		00 35 12.0	E		00 35 48.0	0.02	0.7	105
CAF			00 35 12.2			00 35 53.2			

19-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	003420.4	43 02	-02 13	30	0.8	3.0		BEASAIN.SS

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	LGR	E		01 03 57.5	E		01 04 06.0	0.25	0.7	100
	EPF		=	01 04 12.8		=	01 04 34.6			
	LFF			01 04 30.6			01 05 05.6			
	GUD	E		01 04 32.0	E		01 05 02.0			
	EBR	E		01 04 32.0	E		01 05 05.0			
	LPO			01 04 32.2			01 05 07.5			
	CAF		=	01 04 39.1		=	01 05 20.1			
	TOL	E	*	01 04 48.0	E	*	01 05 30.0	0.01	0.5	80
19-MAR	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	010347.2			42 56 -02 04	9	0.6	2.7	ECHARRI ARANAZ.NA		

	ALI	E		23 32 46.7	I		23 32 50.3			125
	MAL	E	*	23 33 00.5	E	*	23 33 40.3			117
	ALM	I	=	23 33 20.1	I	=	23 33 47.9	0.16	0.7	85
	EBR	E		23 33 23.0	E	*	23 34 01.5			
	AFC	I		23 33 23.7						
	SMO	E		23 33 24.0						
	CRT	E		23 33 24.2						
	PHE	E		23 33 25.7						
	TOL	E	=	23 33 41.0	I	=	23 34 21.0	0.05	0.8	339
	LGR	E	*	23 33 47.8	E		23 34 43.8	0.17	1.4	190
	GUD	I	=	23 33 51.5	I	=	23 34 37.0			
	EPF		*	23 33 56.6						
20-MAR	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	233239.5			38 05 -00 10	10	0.7	3.2	MEDITERRANEO		

	ALI	E		10 20 37.5	I	*	10 20 46.5	3.87	0.4	106
	EBR	E		10 21 09.0						
	TOL	E	*	10 21 31.0	E	*	10 22 35.5	0.02	0.9	100
	EPF			10 21 35.4		*	10 22 28.0			
	GUD	E	=	10 21 43.0	E	=	10 22 35.0			
21-MAR	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	102020.7			37 53 00 31	5	1.4	2.8	MEDITERRANEO		

	EPF			04 36 31.5						
	LFF			04 36 52.3		*	04 37 19.2			
	RJF			04 36 55.9		*	04 37 27.6			
	CAF			04 36 56.1		*	04 37 28.6			
	EBR	E		04 37 02.0	E		04 37 34.0			
22-MAR	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	043624.1			43 19 00 44	10	1.1	3.1	BOULOGNE SUR G.FR		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF			05 39 19.2			05 39 26.0			
LFF			05 39 39.4						
CAF			05 39 46.7			05 40 16.0			
RJF			05 39 47.2			05 40 17.0			
EBR	E	*	05 39 54.0	E		05 40 22.0			

25-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	053909.1	43 20	-00 16	5	0.3	3.1		PAU.FR

FAR	E		13 47 59.5	I	*	13 48 42.0			
MOT	I		13 48 18.0	I		13 48 52.5			
MTH	I		13 48 18.5	I		13 48 53.0			
PRL	I		13 48 32.8	I		13 49 18.4			
MCV	I	=	13 48 34.7	I	=	13 49 39.0			
MTE	I		13 48 43.8	I		13 49 38.0			
MAL	I	*	13 49 01.2	I	*	13 49 36.0	0.15	0.5	61
GUD	I	=	13 49 09.0	I	=	13 50 23.0			

26-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	134728.4	35 41	-09 44	5	1.1	3.8		SW.CABO SAN VICENTE

ALI	E		23 59 07.5	E		23 59 22.0	2.33	0.3	70
EBR	E		23 59 10.0						
TOL	E		23 59 38.0	E	*	24 00 13.5	0.02	0.9	135
GUD	E		23 59 40.9	E		24 00 21.3			
EPF			23 59 42.6						
MAL	E	*	23 59 46.3	E	*	24 00 48.0	0.19	0.5	100
LGR	E	*	23 59 54.7	E	*	24 00 41.2			125

29-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	235847.6	39 23	00 19	31	0.5	3.0		GOLFO DE VALENCIA

OFD	I		03 32 01.5						
ABA	I		03 32 14.5	I		03 32 32.5			
ACU	I		03 32 37.2	E		03 33 08.5			205
ALM	I		03 32 46.3	I		03 33 23.8	0.65	1.6	400
CRT	I	*	03 33 01.0						
EBR	E		03 33 03.0	E		03 33 51.0			
MAL	E		03 33 07.0	I	*	03 33 58.8	0.33	0.3	160
FBR			03 33 08.0			03 34 05.0			
TOL	E		03 33 19.0	E	*	03 34 31.5			260
GUD	I		03 33 27.2	E		03 34 35.0			
EPF			03 33 32.9			03 34 45.2			
LGR	I		03 33 37.6	I	*	03 35 02.1			420
FAR	I	*	03 33 38.0						
MTH	E	*	03 33 54.6						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LPO			03 33 56.0			03 35 23.1			
MOT	E	*	03 33 58.0						
COI	I		03 34 02.3						
MTE	E	*	03 35 55.0						

31-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	033155.1	36 24	01 40	13	0.9	4.6		SOUK ET TNINE.ARG

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
OFD	I		04 45 39.0						
ABA	I		04 45 51.5	I	*	04 46 09.5			
ACU	I		04 46 14.3	E		04 46 45.8			200
ALM	I		04 46 24.3	I		04 47 01.2	0.21	1.0	200
CRT	E		04 46 37.0						
EBR	E		04 46 41.0	E		04 47 28.0			
MAL	E		04 46 46.0	I		04 47 38.0	0.15	0.3	120
FBR	E		04 46 46.0	E		04 47 42.0			
TOL	E		04 46 57.0	E	*	04 47 11.0	0.03	1.0	220
GUD	I		04 47 04.3						
LGR	I		04 47 14.1	E	*	04 48 44.0			220
LMR			04 47 25.5			04 48 49.0			
LPO			04 47 32.4			04 49 00.1			

31-MAR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	044532.9	36 20	01 46	30	0.8	4.2		SOUK ET TNINE.ARG

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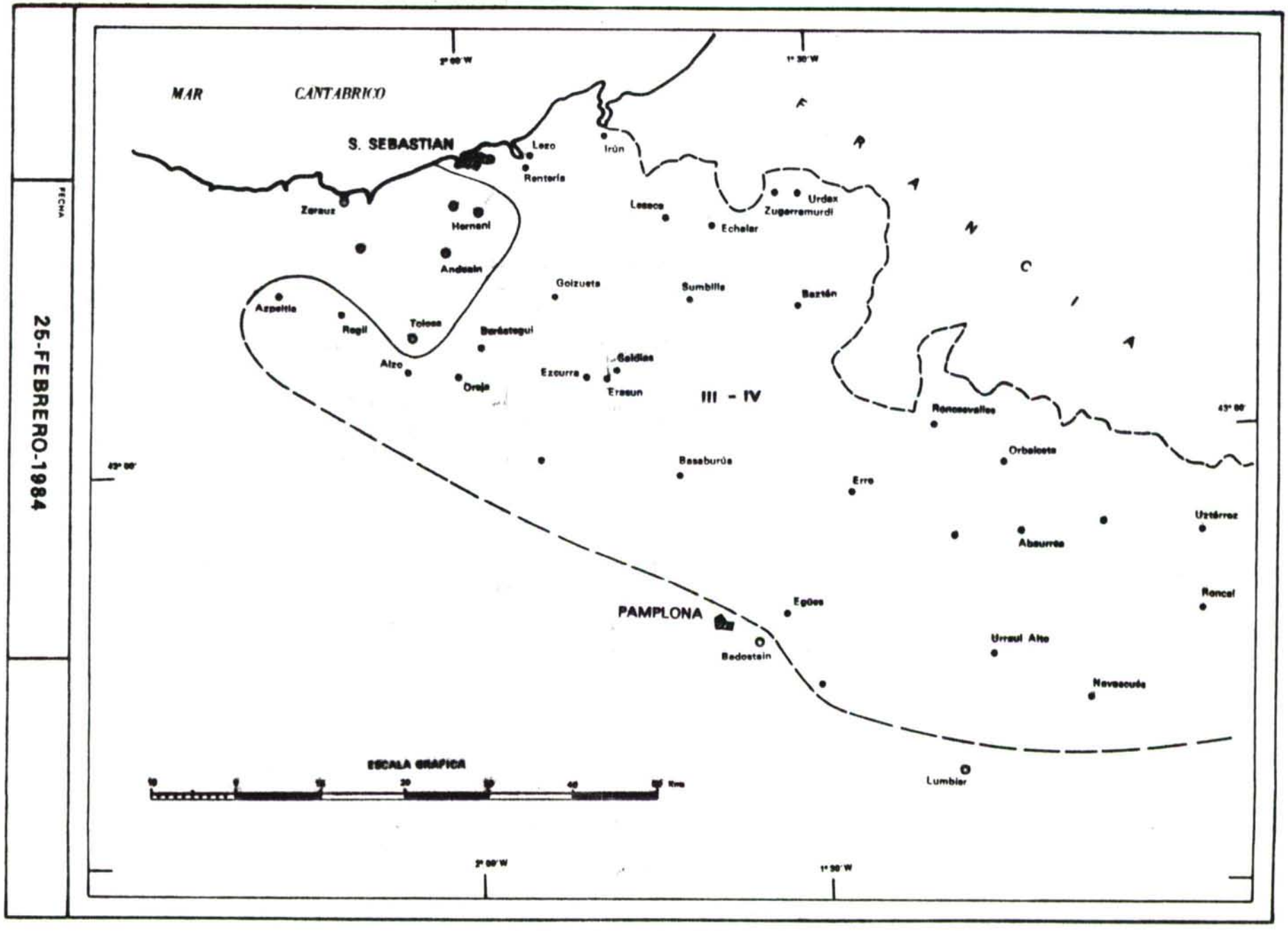
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25-FEBRERO-1984
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Rentería
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Lasaca
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Zugarramurdi
Echalar
Azpeitia
Regil
Tolosa
Goizueta
Sumbilla
Baztán
Berástegui
Alzo
Oreja
Ezcurra
Goldios
Eraun
III - IV
Roncesvalles
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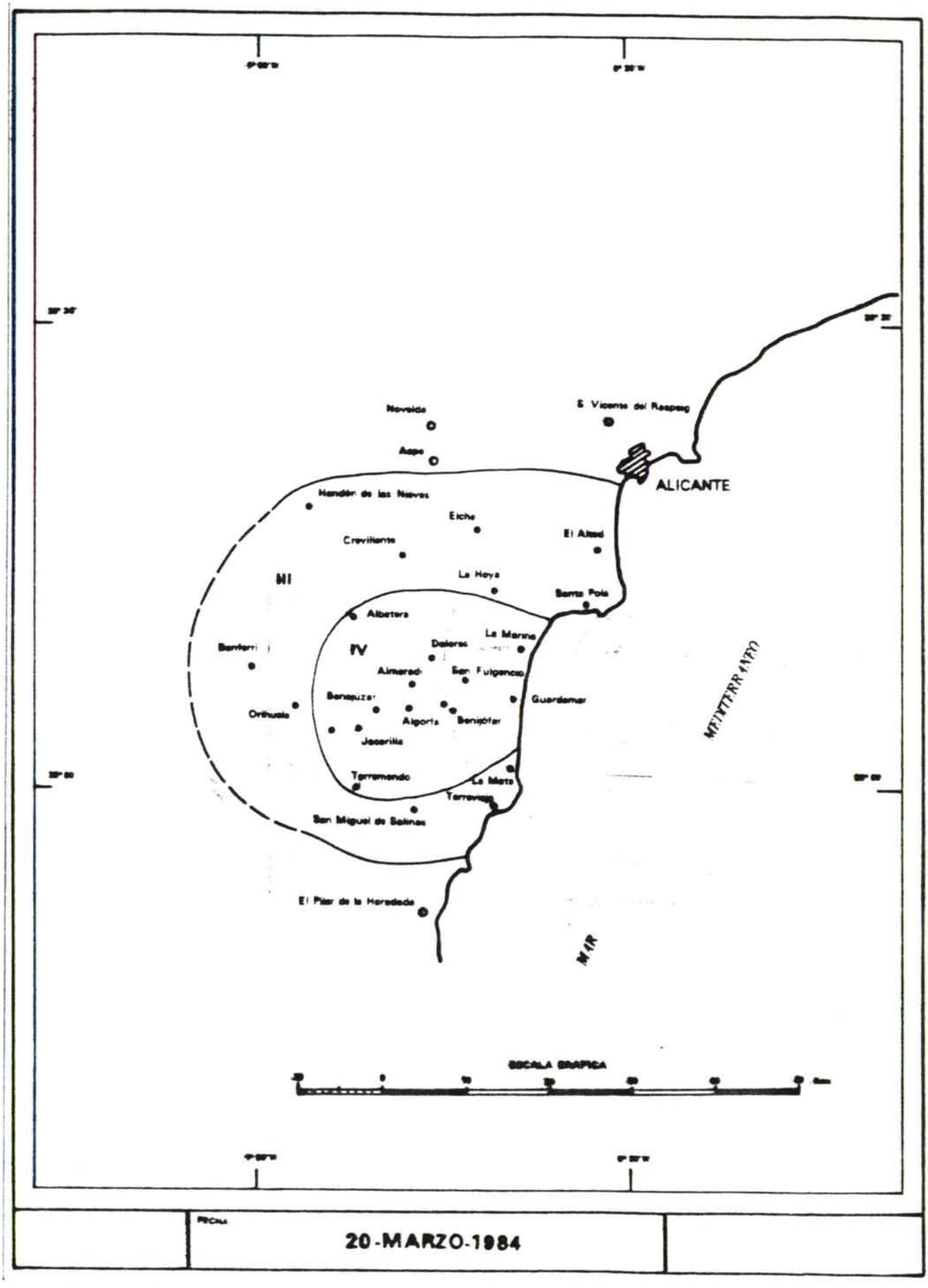
ESCALA GRAFICA
Lumbier



FECHA

20-MARZO-1984

MINISTERIO DE LA PRESIDENCIA
INSTITUTO GEOGRAFICO NACIONAL
General Ibáñez de Ibero, 3
Apartado 3007. MADRID
Télex 23465 IGCE
ESPAÑA

RED SISMICA NACIONAL

BOLETIN DE SISMOS PROXIMOS

SEGUNDO TRIMESTRE AÑO 1984

BOLETIN DE SISMOS PROXIMOS SEGUNDO TRIMESTRE 1.984

INFORMACION Y DATOS DEL BOLETIN

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

EST	Codigo de la estacion
I/E	Fase impulsiva (I) o emergente (E)
W	Peso de la estacion. '*'Peso nulo. '=' Calculado con S-P
HORA P	Hora de llegada de la primera fase
HORA S	Hora de llegada de la fase 'S' correspondiente
AMP	Amplitud del movimiento en micras
PER	Periodo en segundos
DUR	Duracion en segundos

2.- DATOS DE CALCULO HIPOCENTRAL

FECHA	Dia 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 cuadratico medio
MAG	Magnitud 'MB' a partir de la fase 'LG'
IO	Intensidad maxima en el epicentro
NO	Numero de estaciones

3.- RESUMEN DE LA ACTIVIDAD SISMICA DEL AREA: Se incluye una lista cronologica con toda la informacion calculada

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

* * * *

RESUMEN DE SISMOS LOCALIZADOS DURANTE EL SEGUNDO TRIMESTRE DE 1.984

LONG	LAT	FECHA	HORA-ORIG.	PRO	RMS	EH	EZ	MAG	NO	INT		LOCALIZACION
01-26.4E	36-54.5N	1984-04-01	00-34-23.7	5	0.7	6	12	3.8	15		S	MEDITERRANEO
00-26.4W	43-06.7N	1984-04-03	05-40-26.4	5	1.0	6	8	3.6	11			ARUDY.FR
00-13.0W	42-50.5N	1984-04-03	13-43-02.5	5	1.1	9	9	3.5	7			CAUTERETS.FR
01-22.7W	37-52.9N	1984-04-04	18-16-50.8	5	0.4	9	14		7			ALHAMA DE MURCIA.MU
05-29.6W	35-50.3N	1984-04-10	23-00-01.0	5	1.1	4	4	3.2	11			RIFFIEN.MAC
02-15.3E	41-12.4N	1984-04-12	17-14-28.8	46	0.3		7		5			MEDITERRANEO
04-03.4W	37-09.4N	1984-04-13	11-25-20.3	27	0.1				5			LOJA.GR
05-18.1W	36-19.5N	1984-04-13	16-51-47.7	17	1.1				7			SAN MARTIN.CA
10-45.5W	36-33.1N	1984-04-13	17-40-14.9	19	0.6			4.0	14			SW CABO SAN VICENTE
00-58.9E	42-39.6N	1984-05-02	18-53-44.8	7	1.1	6	6	3.1	11			ESTERRI DE ANEU.L
03-50.3W	37-49.8N	1984-05-06	17-40-09.0	5	0.2	3			6			JAEN.J
01-11.0W	37-10.9N	1984-05-07	00-56-39.1	33	0.6	8			6			MEDITERRANEO
00-27.3E	38-14.0N	1984-05-17	04-33-40.8	5	0.6	10	7		10			MEDITERRANEO
02-19.8W	36-46.0N	1984-05-21	08-39-01.4	13	0.9		8		7			GOLFO DE ALMERIA
01-14.6W	37-47.8N	1984-05-22	20-58-43.0	7	0.5	13	13	2.9	7	III		ALHAMA DE MURCIA.MU
12-46.7W	36-59.9N	1984-05-24	17-26-45.2	10	0.7				16			ATLANTICO
03-31.9W	36-05.0N	1984-05-31	19-56-43.8	5	0.8	15	8		7			ALBORAN
03-55.0W	37-01.7N	1984-06-01	19-24-19.0	20	0.4	3	4	3.0	9			ALHAMA DE GRANADA.GR
04-35.6W	36-21.7N	1984-06-06	05-10-13.1	38	0.5				5			ALBORAN
00-10.0W	35-38.6N	1984-06-09	10-39-49.1	20	0.5	10	13	3.1	7			ST.DENIS.ARG
02-54.5W	41-00.3N	1984-06-12	14-48-47.6		0.9			2.8	6			PALMACES.GU
02-05.1W	42-55.9N	1984-06-13	08-21-37.0	23	0.7	8	4	2.7	9		P	ALSASUA.NA
02-12.9W	43-03.2N	1984-06-13	12-00-54.2	13	0.8	9	6	2.8	10		P	BEASAIN.SS
01-55.1W	42-51.3N	1984-06-13	12-24-05.5	20	0.9	4	4	3.2	22	III		ALSASUA.NA
02-02.4W	42-57.3N	1984-06-14	00-45-43.3	14	0.9	8	9	2.6	14		R	ALSASUA.NA
03-45.6W	36-38.8N	1984-06-14	13-05-43.8	5	0.7	10			6			S ALMUÑECAR
01-59.6W	42-50.2N	1984-06-15	00-40-15.0	5	0.6	9	7		7		R	ALSASUA.NA
02-48.6W	36-51.3N	1984-06-15	03-43-05.7	19	0.7	7	5	3.2	10			BERJA.AL
01-45.9E	36-25.7N	1984-06-15	23-02-50.5	17	0.8	5	7	4.5	28			CAVAIGNAR.ARG
05-06.5W	36-13.2N	1984-06-18	15-31-39.6	17	0.8	8	4	3.3	14	III	S	SE GIBRALTAR
03-37.4W	37-17.9N	1984-06-24	06-34-01.8	18	0.1	1	1		7			DEIFONTES.GR
03-44.3W	36-50.3N	1984-06-24	14-30-51.1	5	0.7	2	2	5.0	31	V	+	ALMUÑECAR.GR
00-26.7W	37-55.7N	1984-06-28	22-35-20.9	5	0.7	4	4	3.6	18	III	S	SE TORREVIEJA

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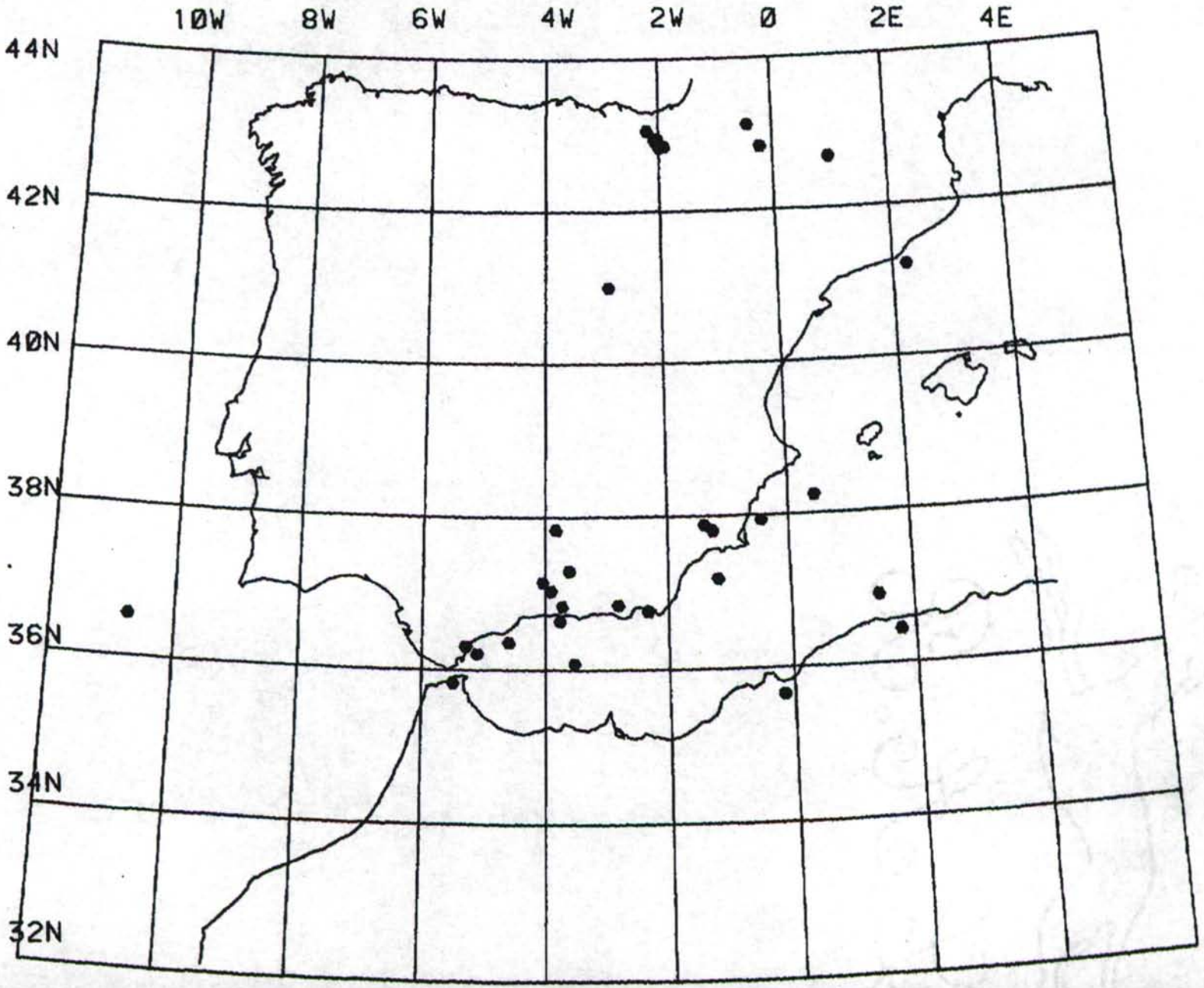
SISMOS LOCALIZADOS SEG.TRIM. 1984



EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ABA	I		00 34 47.0	I	*	00 34 54.5			
ACU	I		00 34 59.6	E	*	00 35 31.5			169
SMO	E		00 35 25.8	E	*	00 36 20.7			
FBR	E		00 35 31.0	E	*	00 36 27.5			
TOL	E		00 35 42.0	E	*	00 36 28.0			110
GUD	E		00 35 48.0						
LGR	E	*	00 35 54.0	E	*	00 37 12.0			150
EPF			00 35 56.6		*	00 36 09.4			
LMR			00 36 11.5			00 37 35.2			
LRG			00 36 12.8			00 37 36.8			
FRF		*	00 36 11.5			00 37 41.5			
CVF		*	00 36 16.7						
CAF			00 36 21.2						
MZF			00 36 39.2						
TCF			00 36 39.5						

01-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	003423.7	36 54	01 26	5	0.7	3.8		MEDITERRANEO

EPF		*	05 40 29.9					
LGR	E		05 40 54.2	I		05 41 17.2		90
LPO			05 40 57.5			05 41 24.2		
LFF			05 40 58.5			05 41 25.5		
FBR		*	05 41 03.0					
EBR	E		05 41 06.5	E		05 41 33.5		
CAF			05 41 08.4		*	05 41 42.4		
RJF			05 41 09.0		*	05 41 44.1		
LSF		=	05 41 12.2		=	05 41 51.9		

03-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	054026.4	43 07	-00 26	5	1.0	3.6		ARUDY.FR

EPF			13 43 09.2					
LGR	E		13 43 31.0	I		13 43 55.4		85
LPO		=	13 43 36.8		=	13 44 03.4		
EBR	E		13 43 38.0					
LFF		=	13 43 38.3		=	13 44 06.6		
CAF		*	13 43 40.1					
RJF			13 43 48.2		*	13 44 23.1		

03-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	134302.5	42 50	-00 13	5	1.1	3.5		CAUTERETS.FR

ACU	I	18 17 08.4	I	18 17 22.5		52
PHE	E	18 17 25.0				
SMO	E	18 17 23.1	E	18 17 47.0		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
GUD	E		18 17 46.2	E		18 18 25.6			60
TOL	E	*	18 17 47.0	I	*	18 18 07.0			60

04-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	181650.8	37 53	-01 23	5	0.4			ALHAMA DE MURCIA.MU

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
SFS	I		23 00 15.0	I		23 00 27.0			98
MAL	I		23 00 22.8	I		23 00 40.2	0.23	0.4	60
LOJ	E		23 00 30.5						
PHE	E		23 00 33.0						
MFG	E	*	23 00 34.0						
SMO	E		23 00 36.5						
MOT	E		23 00 57.1						
PRL	E		23 00 58.5						
MTH	E	*	23 01 10.2						
TOL	E	*	23 01 14.0	I	*	23 01 59.0	0.02	0.8	100
MTE	E	=	23 01 16.5	I	=	23 02 12.5			
GUD	E	=	23 01 26.0	E	=	23 02 23.0			

10-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	230001.0	35 50	-05 30	5	1.1	3.2		RIFFIEN.MAC

EST	I/E	W	HORA P	I/E	W	HORA S
FBR	I		17 14 37.0	E		17 14 42.0
EPF		=	17 15 08.3		=	17 15 34.7
CAF		=	17 15 30.4		=	17 16 11.6
LFF			17 15 25.4			

12-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	171428.8	41 12	02 15	46	0.3			MEDITERRANEO

EST	I/E	W	HORA P	I/E	W	HORA S
LOJ	E		11 25 24.7			
PHE	I		11 25 27.8			
SMO	E		11 25 27.8	E	*	11 25 38.5
CRT	E		11 25 28.0	E		11 25 33.8

13-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	112520.3	37 09	-04 03	27	0.1			LOJA.GR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
SFS	I	*	16 51 53.0	I	*	16 52 05.0			91
MAL	I		16 52 02.7	I	*	16 52 19.5	0.19	0.5	80
LOJ	E		16 52 08.0						
PHE	E		16 52 12.5						
PRL		*	16 52 45.0		*	16 53 20.0			
MTH		*	16 52 53.4		*	16 53 44.2			
MTE			16 52 53.5			16 53 41.8			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MOT			16 52 36.4		*	16 53 17.0			
COI	E		16 52 59.0	E	*	16 54 02.7			

13-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	165147.7	36 19	-05 18	17	1.1			SAN MARTIN.CA

MTH	I		17 40 56.0	I		17 41 26.0			
MOT	I		17 40 57.5	I	*	17 41 30.0			
PRL	I		17 41 12.6	I		17 41 56.0			
MTE	I		17 41 22.2	I		17 42 13.0			
PTO	E		17 41 27.8	I	*	17 42 16.8			
MAL	E		17 41 30.0	I		17 42 26.5	0.11	0.3	85
LOJ	E		17 41 33.0						
SMO	E		17 41 36.9						
PHE	I		17 41 37.6						
GUD	E		17 41 50.0						

13-ABR	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	174014.9	36 33	-10 45	19	0.6	4.0		SW CABO SAN VICENTE

EPF			18 53 55.7			18 54 04.2			
FBR	I		18 54 10.5	I		18 54 28.5			
EBR	E		18 54 17.0	E		18 54 41.0			
LGR	E	*	18 54 21.5	E		18 54 54.5			100
LPO		=	18 54 22.8		=	18 54 49.2			
CAF			18 54 23.6						
LFF		=	18 54 28.4		=	18 54 55.9			
RJF		=	18 54 34.4		=	18 55 06.8			
MZF		*	18 54 54.4		*	18 55 42.4			

02-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	185344.8	42 40	00 59	7	1.1	3.1		ESTERRI DE ANEU.L

LOJ	E		17 40 22.5	I		17 40 33.0			
PHE	I		17 40 25.1	I		17 40 37.0			
MAL	I		17 40 31.0	I		17 40 47.0	0.25	0.2	31

06-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	174009.0	37 50	-03 50	5	0.2			JAEN.J

ACU	E		00 57 01.8							37
SMO	I		00 57 09.5	I	*	00 57 29.7				37
PHE	I		00 57 09.7							37
MAL	I	*	00 57 21.0	I	*	00 57 55.5	0.12	0.4		41
TOL	E		00 57 32.0	E		00 58 09.5	0.01	0.6		60

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
GUD	E	=	00 57 46.2	E	=	00 58 31.0			

07-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	005639.1	37 11	-01 11	33	0.6			MEDITERRANEO

ALI	E		04 33 55.3	E		04 34 04.3			115
EBR	E	*	04 34 29.0						
GUD	E		04 34 45.7	E		04 35 35.8			
EPF			04 34 54.3			04 35 47.3			
TOL	E	*	04 34 56.0	E	*	04 35 44.0	0.02	0.7	100
LGR		*	04 35 11.0						
LPO			04 35 16.4						
LFF			04 35 19.5						
CAF			04 35 21.0						
MZF			04 35 38.8						

17-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	043340.8	38 14	00 27	5	0.6			MEDITERRANEO

ALM	I		08 39 03.4	I		08 39 7.9	0.36	0.3	53
AFC	E		08 39 20.0	E		08 39 35.0			49
PHE	I		08 39 21.5	I		08 39 36.0			
SMO	E		08 39 24.2						

21-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	083901.4	36 46	-02 20	13	0.9			GOLFO DE ALMERIA

ALI	E		20 58 58.0	I	*	20 59 11.5	0.11	5.7	53
ALM	I	=	20 59 08.3	I	=	20 59 26.2	0.23	1.0	49
AFC	E		20 59 14.1						
SMO	E	*	20 59 15.5	I	*	20 59 45.0			
CRT	I		20 59 16.0	I	*	20 59 43.3			
PHE	E		20 59 17.6						
MAL	E	*	20 59 38.0				0.06	0.5	50
TOL	E	=	20 59 39.0	I	=	21 00 15.0	0.03	0.8	85
GUD	E	=	20 59 48.5	E	=	21 00 29.5			100

22-MAY	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	205843.0	37 48	-01 15	7	0.5	2.9	III	ALHAMA DE MURCIA.MU

MTH	I		17 27 38.5	I		17 28 18.3			
MOT	I		17 27 43.4	I		17 28 26.5			
MFG	I		17 27 44.6	I		17 28 30.0			
MTE	I		17 28 04.7	I		17 29 03.7			
MCV	I		17 28 14.4	I		17 29 20.8			

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	TOL	E		17 28 33.0	E		17 29 54.0			145
	GUD	E		17 28 36.6	E		17 29 59.5			40
	EPF			17 29 32.5			17 31 38.9			
24-MAY	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	172645.2			37 00 -12 47	10	0.7		ATLANTICO		
	PHE	E		19 56 58.0	I	*	19 57 18.3			
	MAL	E		19 57 01.0	I		19 57 14.5	0.55	0.3	55
	AFC	E		19 57 05.0						77
	SMO	E		19 57 07.4						77
	TOL	E	*	19 57 08.0	E	*	19 58 06.0			90
	GUD	E		19 57 54.0	E		19 58 46.0			
31-MAY	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	195643.8			36 05 -03 32	5	0.8		ALBORAN		
	LOJ	I		19 24 24.3	E		19 24 26.6			
	CRT	I		19 24 25.2	I		19 24 30.2			
	SMO	I		19 24 26.2	E		19 24 31.0			
	GUD	I	=	19 25 28.7	E	=	19 26 09.0			90
	MAL	I		19 24 28.8	I		19 24 35.0	0.50	0.3	40
	TOL	E	*	19 25 15.0	E	*	19 25 55.0			60
01-JUN	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	192419.0			37 02 -03 55	20	0.4	3.0	ALHAMA DE GRANADA.GR		
	MAL	I		05 10 22.0	I	*	05 10 40.5	1.05	0.3	70
	PHE	I		05 10 28.7	I		05 10 41.2			
	SMO	E		05 10 32.4						
	CRT	E		05 10 32.8						
	TOL	E	*	05 11 10.0	I	*	05 12 17.5			110
06-JUN	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	051013.1			36 22 -04 36	38	0.5		ALBORAN		
	ALM	I	*	10 40 09.2	I	*	10 40 45.5	0.29	0.7	150
	OFD	E		10 40 13.5						
	ACU	E		10 40 33.3	E	*	10 41 01.5			40
	SMO	I		10 40 39.0			10 41 15.5			
	LOJ	E		10 40 41.6						
	MAL	I	*	10 40 49.0	E	*	10 41 20.0	0.03	0.7	70
	TOL	E		10 41 05.0						100
	GUD	E		10 41 13.5						

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
09-JUN	HO			LAT LONG	PRO	RMS	MAG IO			
	SSIS			103949.1 35 39 -00 10	20	0.5	3.1	ST.DENIS.ARG		
	GUD	I		14 49 04.7	I		14 49 20.0			105
	LGR	E		14 49 13.8	E		14 49 33.8	0.15	0.9	90
	TOL	E		14 49 15.0	I		14 49 32.0			40
12-JUN	HO			LAT LONG	PRO	RMS	MAG IO			
	SSIS			144847.6 41 00 -02 54		0.9	2.8	PALMACES.GU		
	LGR	E		08 21 47.0	I		08 21 56.5	0.37	1.3	100
	EPF			08 22 04.2			08 22 26.4			
	GUD	E		08 22 19.0	E		08 22 50.0			
	LFF			08 22 21.5						
	CAF			08 22 30.2			08 23 10.8			
13-JUN	HO			LAT LONG	PRO	RMS	MAG IO			
	SSIS			082137.0 42 56 -02 05	23	0.7	2.7	ALSASUA.NA		
	LGR	E		12 01 05.0	I		12 01 14.5	0.37	1.1	110
	EPF		=	12 01 22.4		=	12 01 44.2			
	GUD	E		12 01 37.1	E		12 02 10.6			95
	LFF			12 01 39.6						
	LPO			12 01 40.6			12 02 14.4			
	EBR	E	*	12 01 45.0						
	CAF			12 01 48.0			12 02 28.8			
13-JUN	HO			LAT LONG	PRO	RMS	MAG IO			
	SSIS			120054.2 43 03 -02 13	13	0.8	2.8	BEASAIN.SS		
	LGR	E		12 24 16.0	I		12 24 25.5	2.39	1.2	280
	EPF			12 24 32.3						
	EBR	E	*	12 24 43.5	E		12 25 19.5			
	GUD	I		12 24 47.7	I		12 25 18.6			185
	LFF			12 24 49.6		*	12 25 39.2			
	LPO			12 24 50.4			12 25 24.0			
	FBR			12 24 54.3		*	12 25 43.3			
	TOL	E		12 24 57.0	E		12 25 33.0	0.06	0.9	160
	CAF			12 24 58.0			12 25 39.2			
	LSF			12 25 06.9			12 25 54.3			
	TCF			12 25 11.0			12 26 02.0			
	ACU	E		12 25 11.2						100
	MZF			12 25 12.8			12 26 05.2			
	PTO		*	12 25 17.6		*	12 26 29.5			

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	MTE	E		12 25 19.0	E	*	12 26 34.0			
13-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS	122405.5	42 51	-01 55	20	0.9	3.2	III	ALSASUA.NA		
	LGR	E		00 45 54.1	I		00 46 03.6			75
	EPF			00 46 10.6			00 46 33.0			
	LPO		=	00 46 29.2		=	00 47 03.9			
	GUD		=	00 46 35.5	E	=	00 47 06.5			
	RJF			00 46 36.6						
	CAF			00 46 37.0			00 47 18.4			
	LSF			00 46 44.9			00 47 32.9			
	TCF			00 46 49.2			00 47 40.8			
	MZF			00 46 51.2						
14-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS	004543.3	42 57	-02 02	14	0.9	2.6		ALSASUA.NA		
	PHE	I		13 05 49.1	E		13 05 53.5			
	LOJ	E		13 05 53.0	E		13 06 01.0			
	MAL	I		13 05 53.8						
	SMO	E		13 05 58.0						
14-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS	130543.8	36 39	-03 46	5	0.7			S.ALMUÑECAR		
	LGR	E		00 40 24.0	E	*	00 40 37.3			75
	EPF			00 40 45.2			00 41 07.0			
	GUD	E	=	00 41 08.0	E	=	00 41 42.0			
	RJF			00 41 10.4						
	CAF			00 41 10.8			00 41 52.2			
	TOL	E	*	00 41 22.0	E	*	00 42 02.0			70
15-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS	004015.0	42 50	-02 00	5	0.6			ALSASUA.NA		
	ALM	I		03 43 12.8	I		03 43 15.3	0.51	0.6	50
	PHE	I		03 43 18.0						
	CRT	E		03 43 18.4	I		03 43 29.5			
	SMO	I		03 43 20.3						
	LOJ	I		03 43 23.8						
	MAL	I		03 43 28.3				0.15	0.3	40
	TOL	E		03 43 54.0						100
	GUD	E	=	03 44 13.5	E	=	03 44 56.8			

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
15-JUN	HO			LAT LONG	PRO	RMS	MAG IO			
	SSIS			034305.7 36 51 -02 49	19	0.7	3.2	BERJA.AL		
	OFD	I		23 02 58.0						
	ABA	I		23 03 10.0		*	23 03 28.0			
	ALI	E		23 03 30.5	E		23 04 01.5			250
	ALM	I		23 03 41.6	I	*	23 04 16.5	0.38	1.0	250
	CRT	I	=	23 03 51.3	I	=	23 04 40.1			
	PHE	I		23 03 54.5						
	EBR	E		23 03 58.0						
	LOJ	I		23 04 01.2						
	FBR	E		23 04 03.5		*	23 04 55.0			
	MAL	I		23 04 05.0	I	*	23 04 55.0	0.11	0.4	200
	GUD	I		23 04 21.1			23 05 30.5			250
	EPF			23 04 28.0			23 05 40.4			
	LGR	I		23 04 31.0	E		23 05 45.7			270
	LMR			23 04 43.4			23 06 06.4			
	PRL	E	*	23 04 46.0	E		23 06 08.0			
	MTE	E		23 04 48.5						
	MOT	I		23 04 50.0	I	*	23 06 17.0			
	CAF			23 04 52.8			23 06 22.6			
	LFF			23 04 52.9			23 06 23.6			
	COI	E	=	23 04 53.6	E	=	23 06 27.1			
	PTO	E		23 05 03.8		*	23 06 42.2			
15-JUN	HO			LAT LONG	PRO	RMS	MAG IO			
	SSIS			230250.5 36 26 01 46	17	0.8	4.5	CAVAIGNAR.ARG		
	MAL	I		15 31 53.0	I		15 32 03.5	1.19	0.5	70
	SFS	I		15 31 57.0	I	*	15 32 06.0			70
	LOJ	I		15 32 00.5						
	PHE	E		15 32 01.1	E		15 32 19.7			
	SMO	E		15 32 06.8						
	CRT	E	*	15 32 11.8						
	MFG	E		15 32 16.5	E		15 32 43.7			
	MOT	E		15 32 30.5	I		15 33 10.5			
	TOL	E		15 32 37.0				0.04	0.8	120
	MTE	E		15 32 47.0						
	GUD	I		15 32 47.1						135
18-JUN	HO			LAT LONG	PRO	RMS	MAG IO			
	SSIS			153139.6 36 13 -05 06	17	0.8	3.3 III	E.GIBRALTAR		
	SMO	I		06 34 04.9	E		06 34 07.0			
	CRT	E		06 34 05.2	E		06 34 07.8			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
PHE	I		06 34 08.5	E		06 34 13.7			
LOJ	E		06 34 10.0						

24-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO		
SSIS	063401.8	37 18	-03 37	18	0.1			DEIFONTES.GR	

PHE			14 30 53.3								
CRT	I		14 30 57.4								
LOJ			14 30 57.8								
SMO			14 30 59.3								
MAL	I		14 31 00.7								450
ALR	I		14 31 09.5	I	*	14 31 17.0					225
ALM	I		14 31 09.8								55
SFS	I	*	14 31 28.0	I		14 31 52.0					270
TOL	I		14 31 39.0	I	*	14 32 21.0	3.83	0.4			550
ALI	I		14 31 39.5	E		14 32 14.6					520
ACU	I		14 31 40.5								520
MFG			14 31 43.1		*	14 32 24.1					
FAR		*	14 31 47.8								
GUD	I		14 31 49.5	I		14 32 35.0					505
PRL	I		14 31 50.0	I	*	14 32 28.5					
MOT	I		14 31 53.0			14 32 38.0					
OFD	E		14 31 58.0								
MTE			14 32 01.6			14 32 55.0					
LIS	I		14 32 02.4			14 32 55.4					
MTH	I		14 32 03.5	I		14 32 58.0					
COI	I		14 32 06.0	I	*	14 32 58.8					
EBR	E		14 32 08.0								
ABA		*	14 32 11.0		*	14 33 08.0					
PTO			14 32 15.8								
LGR	I		14 32 16.8	I	*	14 33 23.3	5.07	1.6			480
FBR	I		14 32 25.5	I	*	14 33 36.0					
EPF			14 32 32.1								

24-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO		
SSIS	143051.1	36 50	-03 44	5	0.7	5.0	V	ALMUÑECAR.GR	

ALI	I		22 35 28.5	E		22 35 33.5					150
ACU	I		22 35 31.1								150
ALM	I		22 35 52.5	I		22 36 18.0	0.24	0.9			130
SMO	I		22 36 04.2								
PHE	E		22 36 04.7								
EBR	E		22 36 09.0								
LOJ	I		22 36 09.2								
TOL	E		22 36 14.0	E		22 36 55.0	0.11	0.8			170
GUD	I		22 36 20.5	E		22 37 08.0					205
MAL	E	*	22 36 22.0								

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LGR	E		22 36 34.0	E		22 37 28.0	0.22	1.2	240
EPF			22 36 37.9		*	22 37 32.8			
MTE			22 36 48.3		*	22 38 28.2			
PRL	E	*	22 37 15.0		*	22 38 19.0			
CVF			22 37 25.6						
MTH	E	*	22 38 54.0						

28-JUN	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	223520.9	37 56	-00 27	5	0.7	3.6	III	E.TORREVIEJA

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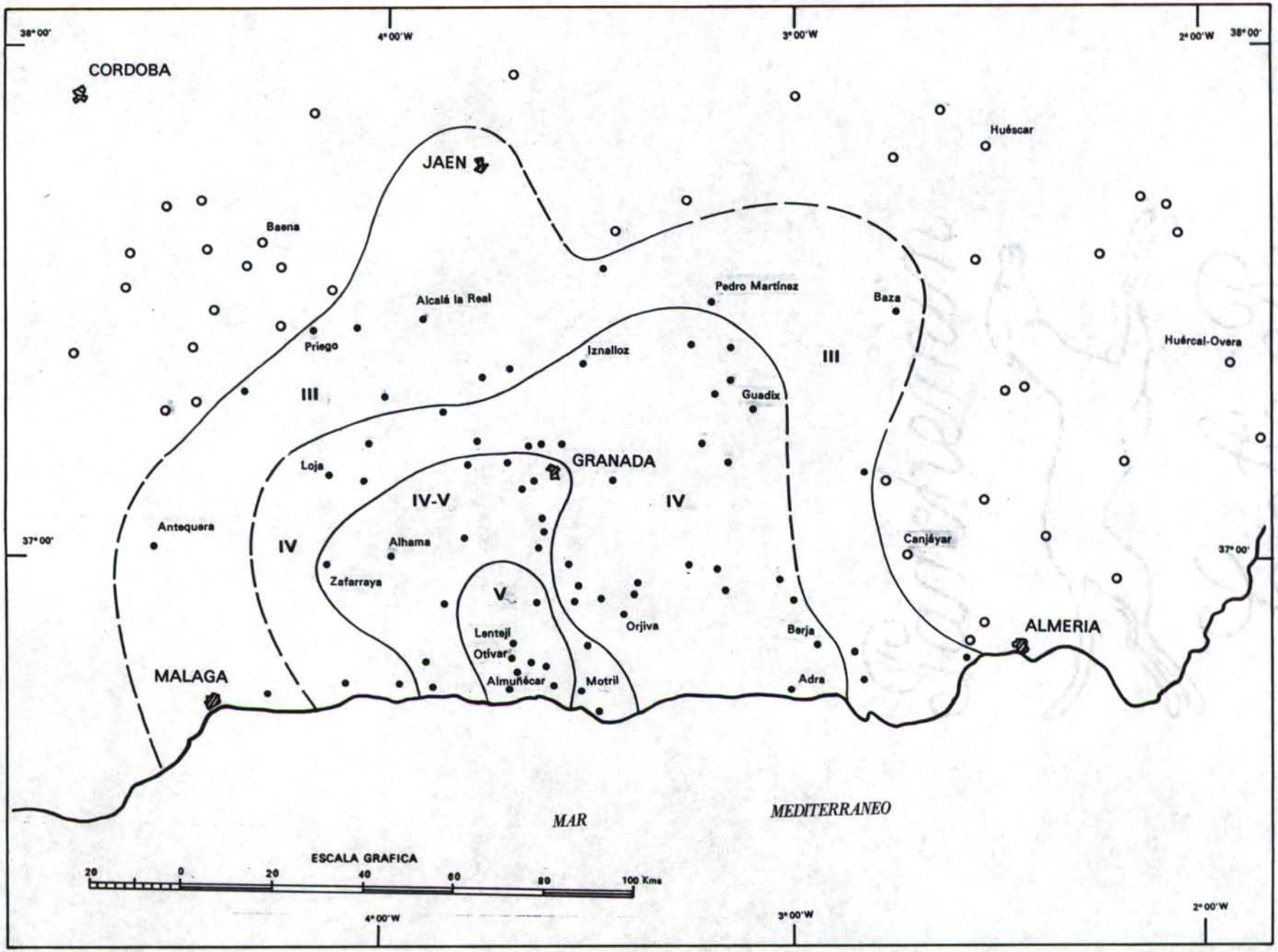
FECHA

24-JUNIO-1984



MINISTERIO DE LA PRESIDENCIA
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RED SISMICA NACIONAL

BOLETIN DE SISMOS PROXIMOS

TERCER TRIMESTRE AÑO 1984

BOLETIN DE SISMOS PROXIMOS TERCER TRIMESTRE 1.984

INFORMACION Y DATOS DEL BOLETIN

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

EST	Codigo de la estacion
I/E	Fase impulsiva (I) o emergente (E)
W	Peso de la estacion. '*'Peso nulo. '=' Calculado con S-P
HORA P	Hora de llegada de la primera fase
HORA S	Hora de llegada de la fase 'S' correspondiente
AMP	Amplitud del movimiento en micras
PER	Periodo en segundos
DUR	Duracion en segundos

2.- DATOS DE CALCULO HIPOCENTRAL

FECHA	Dia 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 cuadratico medio
MAG	Magnitud 'MB' a partir de la fase 'LG'
IO	Intensidad maxima en el epicentro
NO	Numero de estaciones

3.- RESUMEN DE LA ACTIVIDAD SISMICA DEL AREA: Se incluye una lista cronologica con toda la informacion calculada

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

NOTA.-

- Se incluye como un anexo la campaøa de estudio de replicas del terremoto de 13-SEP-1984 en la Sierra Alhamilla, Almeria.

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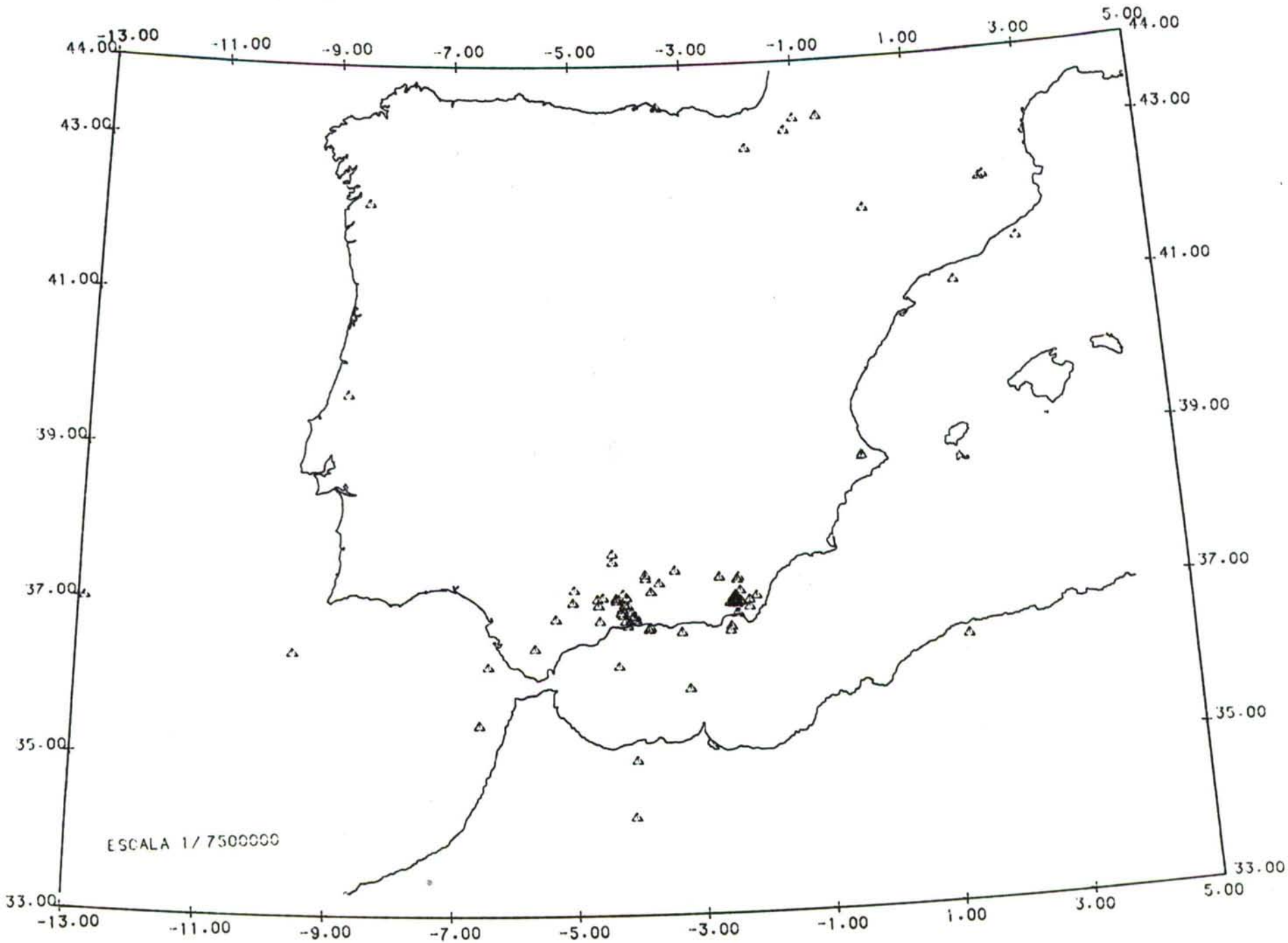
RESUMEN DE SISMOS LOCALIZADOS DURANTE EL TERCER TRIMESTRE DE 1984.

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1984-07-03	23-24-09.0	04-36.6 W	36-59.3 N	13	0.5			5	SSIS			ANTEQUERA.MA
1984-07-05	17-19-11.3	04-35.3 W	36-47.3 N	23	0.6		6	6	SSIS			ALORA.MA
1984-07-06	15-55-58.5	04-08.3 W	36-43.7 N	10	0.5		10	5	SSIS			TORRE DEL MAR.MA
1984-07-07	11-10-34.4	03-50.5 W	37-20.1 N	21	0.1	4	4	5	SSIS			ILLORA.GR
1984-07-08	21-24-11.1	06-32.7 W	35-26.1 N	5	0.6			12	SSIS	3.7		ATLANTICO
1984-07-10	05-14-23.5	12-54.2 W	36-59.4 N	5	0.6			26	SSIS	4.5		ATLANTICO
1984-07-13	17-07-39.2	04-59.9 W	37-11.4 N	5	0.9	8	13	10	SSIS	3.2		OSUNA.SE
1984-07-14	14-49-47.5	08-43.7 W	39-42.6 N	5	0.2	2	3	11	SSIS	2.7		LEIRIA.PORT
1984-07-14	20-04-59.8	06-24.1 W	36-11.7 N	13	0.6	6	6	16	SSIS	3.2		ESTRECHO DE GIBRALTAR
1984-07-15	12-42-17.1	04-14.9 W	36-53.3 N	6	0.5	13		5	SSIS			COLMENAR.MA
1984-07-16	11-45-07.4	04-00.9 W	36-50.8 N	5	0.4	2		8	SSIS			VELEZ-MALAGA.MA
1984-07-16	20-52-56.0	03-09.5 W	35-53.5 N	5	0.1			8	SSIS			ALBORAN
1984-07-16	23-17-41.7	04-02.2 W	34-58.4 N	54	0.9	10		11	SSIS	3.6		TAGUIDIT.MAC
1984-07-18	17-43-08.9	14-19.8 W	37-26.2 N	10	0.6			37	SSIS	4.2		ATLANTICO
1984-07-18	22-14-32.3	09-32.8 W	36-22.1 N	8	0.4	7	7	16	SSIS	3.2		SW.C. SAN VICENTE
1984-07-20	06-20-58.5	04-12.4 W	37-08.2 N	10	0.2	2	2	7	SSIS			LOJA.GR
1984-07-20	17-36-17.7	04-12.9 W	36-51.7 N	18	0.5	8		5	SSIS			TORVISCON.GR
1984-07-21	08-44-10.8	04-04.7 W	36-53.7 N	16	0.3	2	2	12	SSIS	3.1		MURTAS.GR
1984-07-21	19-23-15.5	04-01.9 W	36-50.8 N	5	0.3	2	4	10	SSIS	3.0		MURTAS.GR
1984-07-22	09-25-30.5	05-01.3 W	37-01.5 N	10	0.5			6	SSIS			TEBA.MA
1984-07-22	17-07-47.9	04-03.5 W	36-50.0 N	5	0.2	2		6	SSIS			VELEZ-MALAGA.MA
1984-07-31	00-35-03.9	03-45.5 W	37-09.4 N	9	0.6	3	5	10	SSIS			SANTA FE.GR
1984-07-31	23-46-45.5	01-21.9 E	36-25.8 N	33	0.3	9		6	SSIS			FLATIERS BU NA.ARG
1984-08-02	13-40-22.9	00-21.7 W	38-48.8 N	9	0.9	4	4	24	SSIS	4.0	IV +	MURO. A.
1984-08-03	16-00-30.3	04-10.1 W	36-47.0 N	19	0.3	5	7	6	SSIS			VELEZ-MALAGA.MA
1984-08-05	15-28-20.8	04-37.1 W	37-04.0 N	33	0.4	5	8	8	SSIS			ANTEQUERA.MA
1984-08-06	15-02-39.0	04-08.9 W	37-05.1 N	41	0.2	5	6	6	SSIS			LOJA.GR
1984-08-06	18-20-01.4	01-10.7 W	43-05.7 N	5	0.5	14	10	6	SSIS	2.7		SAINT JEAN.FR
1984-08-07	02-04-10.2	05-17.9 W	36-49.0 N	11	0.6	6	9	10	SSIS	3.1		ARRIATE.MA
1984-08-10	04-14-35.2	02-43.7 E	41-30.6 N	9	0.7	4	3	21	SSIS	3.5	IV S+	E. MATARO

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1984-08-17	05-58-03.1	04-22.0 W	37-33.1 N	11	0.5	6	10	10	SSIS				BAENA.CO
1984-08-17	13-53-26.4	01-52.5 W	42-53.0 N	7	0.5	5	6	13	SSIS	2.7			PAMPLONA.NA
1984-08-18	07-54-05.4	04-22.0 W	37-39.3 N	5	0.7	5	8	14	SSIS				BAENA.CO
1984-08-19	21-11-23.6	04-12.9 W	36-56.3 N	54	0.1	2	1	5	SSIS				PERIANA.MA
1984-08-25	11-52-35.7	03-45.8 W	36-41.8 N	7	0.4	6		6	SSIS				S. ALMUØECAR
1984-08-25	12-25-26.2	03-47.5 W	36-40.6 N	5	0.4	5		6	SSIS				S. ALMUØECAR
1984-08-26	15-59-08.0	03-15.6 W	36-38.1 N	13	0.3	7		7	SSIS				S. CASTELL DE FERRO
1984-08-28	22-10-53.9	04-31.7 W	37-05.2 N	24	0.5			5	SSIS				ANTEQUERA.MA
1984-08-29	00-07-28.3	04-18.9 W	37-04.4 N	16	0.4	5	5	7	SSIS				ARCHIDONA.MA
1984-08-29	00-18-21.3	04-18.9 W	37-02.9 N	16	0.3	3	4	7	SSIS				ARCHIDONA.MA
1984-08-29	00-50-05.6	04-18.7 W	37-02.6 N	10	0.3	3	3	8	SSIS				ARCHIDONA.MA
1984-08-29	06-27-31.0	08-26.2 W	42-12.4 N	5	0.6	7	10	8	SSIS	3.4	III		PUENTEAREAS.PO
1984-08-29	23-30-11.8	01-00.4 W	43-14.9 N	11	0.6	2	3	34	SSIS	3.8	IV		ST. PALAIS.FR
1984-08-30	17-57-33.4	03-59.8 W	36-48.2 N	10	0.1	6	3	5	SSIS				VELEZ-MALAGA.MA
1984-08-31	07-16-35.9	04-10.9 W	36-59.4 N	5	0.1			6	SSIS	2.8	III		ZAFARRAYA.GR
1984-08-31	12-02-28.9	04-01.4 W	36-49.8 N	5	0.2	1		8	SSIS				VELEZ-MALAGA.MA
1984-09-01	18-47-59.1	00-35.5 W	43-15.7 N	5	0.8	8	9	9	SSIS	3.2	III		STE. MARIE.FR
1984-09-02	00-18-31.2	04-04.1 W	34-14.7 N	22	0.7	13	15	19	SSIS	3.7			TOUAHAR.MAC
1984-09-06	11-53-35.9	00-07.2 E	42-02.0 N	7	0.7	4	6	6	SSIS	2.7			BARBASTRO.HU
1984-09-08	12-07-37.3	03-36.5 W	37-16.4 N	12	0.5	5	5	7	SSIS				DEIFONTES.GR
1984-09-11	11-12-05.8	04-07.3 W	36-58.4 N	15	0.1			5	SSIS				ZAFARRAYA.GR
1984-09-12	13-53-42.5	02-17.2 W	37-00.3 N	5	0.9	4	4	21	SSIS	4.1	IV	P+	SIERRA ALHAMILLA.AL
1984-09-13	04-34-10.5	02-20.5 W	36-58.9 N	9	0.9	4	4	29	SSIS	5.0	V	+	SIERRA ALHAMILLA.AL
1984-09-13	09-08-06.4	02-20.9 W	36-58.5 N	10	0.7	6	4	19	SSIS	4.4		R	SIERRA ALHAMILLA.AL
1984-09-13	09-19-57.1	02-27.5 W	36-41.7 N	9	0.2	8	7	5	SSIS				GOLFO DE ALMERIA
1984-09-13	09-56-25.4	02-19.9 W	36-51.2 N	18	0.6	5	2	16	SSIS	3.7		R	SIERRA ALHAMILLA.AL
1984-09-13	11-40-03.9	02-23.9 W	37-02.7 N	5	1.0	4	5	22	SSIS	4.8		R	SIERRA ALHAMILLA.AL
1984-09-13	12-03-49.5	02-21.6 W	36-51.2 N	19	0.6	5	2	17	SSIS	4.2		R	SIERRA ALHAMILLA.AL
1984-09-13	12-06-32.3	02-28.4 W	36-38.7 N	5	0.4			5	SSIS				GOLFO DE ALMERIA
1984-09-13	14-25-36.3	03-24.6 W	43-26.8 N	5	0.6	14		19	SSIS	3.4			SANTOØA.S

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1984-09-18	12-44-58.9	01-35.2 E	41-00.5 N	30	0.9			7	SSIS	2.8			SE. TARRAGONA
1984-09-21	12-26-52.6	04-01.7 W	36-50.4 N	6	0.3	2	12	8	SSIS				VELEZ-MALAGA.MA
1984-09-24	01-49-06.8	04-17.0 W	36-11.7 N	40	0.4	14		5	SSIS				ALBORAN
1984-09-25	17-54-11.7	03-21.1 W	37-25.8 N	9	0.5			5	SSIS				MOREDA.GR
1984-09-26	04-54-26.3	02-15.2 E	42-20.6 N	9	0.7	2	3	37	SSIS	4.4	IV	+	CAMPRODON.GE
1984-09-26	05-34-12.6	02-11.4 E	42-19.2 N	5	0.6	2	3	29	SSIS	3.5	III	R	CAMPRODON.GE
1984-09-27	12-42-12.5	03-50.0 W	37-22.8 N	5	0.2	3		5	SSIS				TIENA LA BAJA.GR
1984-09-28	03-01-57.8	05-38.2 W	36-26.5 N	10	0.9	10	10	11	SSIS	3.5			ALCALA GAZULES.CA
1984-09-29	20-44-56.5	02-38.0 W	37-20.0 N	5	0.8	5	7	12	SSIS	3.5			SERON.AL

SISMOS LOCALIZADOS TERCER TRIMESTRE 1984



	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	MAL	I		23 24 14.7	I		23 24 19.8	0.33	0.4	30
	LOJ	E		23 24 16.7						
	PHE	E		23 24 21.7						
	SMO	I		23 24 24.5	E	*	23 24 39.5			

03-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	232409.0	36 59	-04 37	13	0.5			ANTEQUERA.MA

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	MAL	I		17 19 15.8	I		17 19 20.0	0.77	0.4	35
	LOJ	E		17 19 20.3						
	PHE	I		17 19 24.1	E	*	17 19 38.2			
	SMO	I		17 19 28.3	I		17 19 39.8			

05-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	171911.3	36 47	-04 35	23	0.6			ALORA.MA

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	MAL	I		15 56 03.0	I		15 56 6.2			
	PHE	I		15 56 05.5	I		15 56 13.1			
	SMO	E		15 56 11.4						

06-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	155558.5	36 44	-04 08	10	0.5			TORRE DEL MAR.MA

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	SMO	I		11 10 38.5	E		11 10 41.8			
	CRT	E		11 10 40.0	I		11 10 44.0			
	PHE	I		11 10 42.3						

07-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	111034.4	37 20	-03 50	21	0.1			ILLORA.GR

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	MFG			21 24 44.6		*	21 25 41.0			
	MAL	E		21 24 47.0	I		21 25 13.8	0.19	0.4	55
	PHE	I		21 24 54.3						
	SMO	I		21 24 59.3						
	MOT	E		21 25 03.5	I	*	21 25 41.0			
	MTE	I		21 25 27.3	I	*	21 26 20.7			
	GUD	I		21 25 34.0						120
	MCV	I	*	21 25 38.8	I		21 26 40.5			
	EPF			21 26 25.1		*	21 28 03.8			
	LPO			21 26 48.5						
	LFF			21 26 48.8						

08-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	212411.1	35 26	-06 33	5	0.6	3.7		ATLANTICO

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LIS	I		05 15 17.4	I		05 15 57.4			
MTH	I		05 15 18.7	I		05 15 59.4			
MOT	I		05 15 23.8	I		05 16 08.2			
FAR	E		05 15 24.5			05 16 10.0			
MFG	I		05 15 25.2	I	*	05 16 14.7			
FUL	E	*	05 15 33.5	E	*	05 16 21.5			
PRL	I		05 15 37.8	I	*	05 16 30.2			
COI	I	*	05 15 39.0	I		05 16 30.0			
PTO	I		05 15 43.9	I		05 16 42.7			
MTE	I		05 15 44.7	I		05 16 44.5			
MCV	I	*	05 15 57.5	I		05 17 04.8			
MAL	I		05 16 03.0	I		05 17 20.0	0.16	0.5	140
PHE	I		05 16 10.8			05 17 34.5			
SMO	E		05 16 11.0						
TOL	E		05 16 13.0	E	*	05 17 33.5	0.02	0.8	185
GUD	I	=	05 16 16.5	E	=	05 17 40.0			220
LGR	E	*	05 16 43.0	I		05 18 30.0			245
EPF			05 17 13.0			05 19 20.0			

10-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	051423.5	36 59	-12 54	5	0.6	4.5		ATLANTICO

MAL	I	*	17 07 45.8	I		17 08 00.5	2.03	0.6	130
LOJ	I		17 07 51.9	I	*	17 07 58.2			
SMO	E		17 07 58.4						
CRT	E		17 08 01.0	I		17 08 14.4			
MFG	E	*	17 08 06.0		*	17 08 37.5			
ALM	I	*	17 08 20.7	I	*	17 08 57.2	0.17	1.2	72
TOL	E		17 08 22.0	I	*	17 09 16.5	0.06	1.0	140
GUD	I		17 08 33.2	E		17 09 16.5			120
MTE	E		17 08 37.1		*	17 09 37.8			
LGR	E	*	17 08 42.5	E	*	17 09 58.5			230
MCV	E		17 08 45.0		*	17 09 57.5			

13-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	170739.2	37 11	-05 00	5	0.9	3.2		OSUNA.SE

COI	E		14 49 57.5	I		14 50 05.0			
MTH	I		14 50 03.8	I		14 50 15.5			
MTE	E		14 50 08.0	I		14 50 23.7			
PRL	I		14 50 08.4	I		14 50 23.5			
MOT	I		14 50 09.8	I		14 50 25.6			
TOL	E	*	14 50 18.0						110
MCV	I		14 50 20.2	I	*	14 50 49.0			

14-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	144947.5	39 43	-08 44	5	0.2	2.7		LEIRIA.PORT

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MFG	I		20 05 23.5	I		20 05 43.0			
FAR	E		20 05 24.4	I		20 05 44.0			
MAL	I	=	20 05 27.5	I	=	20 05 48.5	0.38	0.8	120
PHE	E	*	20 05 32.2						
LOJ	E		20 05 33.4						
SMO	E		20 05 38.6						
CRT	E	*	20 05 42.0						
MOT	E		20 05 43.6	I	*	20 06 11.0			
PRL	I		20 05 49.5						
MTH	E		20 05 53.0	I		20 06 33.5			
TOL	E	=	20 06 03.0	E	=	20 06 49.0	0.02	0.9	125
MTE	E		20 06 03.7	I		20 06 52.3			
GUD	I		20 06 10.9	E		20 07 02.5			130
LGR	E	*	20 06 36.0	E	*	20 08 00.0			220

14-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	200459.8	36 12	-06 24	13	0.6	3.2		ESTRECHO DE GIBRALTAR

MAL	I		12 42 20.4	I		12 42 24.4	0.84	0.3	35
LOJ	E		12 42 21.5						
PHE	E		12 42 25.2	E	*	12 42 35.2			
SMO	E		12 42 29.5						

15-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	124217.1	36 53	-04 15	6	0.5			COLMENAR.MA

LOJ	I		11 45 12.2	I		11 45 15.2			
PHE	I		11 45 12.6	I		11 45 16.0			
MAL	I		11 45 13.8	I		11 45 18.2			
SMO	E		11 45 17.9	I		11 45 26.1			

16-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	114507.4	36 51	-04 01	5	0.4			VELEZ-MALAGA.MA

MAL	I	*	20 53 12.3	I	*	20 53 31.3	1.36	0.6	145
PHE	I	*	20 53 14.6						
ALM	I		20 53 16.1	I	*	20 53 27.5	0.55	0.6	145
CRT	E	=	20 53 19.2	I	=	20 53 37.2			
LOJ	E		20 53 21.0						
SMO	E		20 53 22.3						
MFG	E	*	20 54 00.0						
PRL	E		20 54 07.5		*	20 55 23.5			
GUD	E		20 54 08.0	E		20 55 02.0			130
TOL	E	*	20 54 11.5	I	*	20 55 01.0	0.02	0.9	80
MCV	E		20 54 26.0						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
16-JUL HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS 205256.0	35 53	-03 09	5	0.1		ALBORAN			
MAL	I	*	23 18 08.2	I		23 18 31.8	0.53	0.4	135
PHE	I	*	23 18 08.4						
LOJ	E		23 18 13.8						
ALM	I		23 18 15.4	I	*	23 18 36.6	0.15	0.5	98
CRT	E		23 18 17.0						
SMO	E		23 18 17.2						
MFG	E		23 18 36.0						
TOL	E		23 18 53.5	E		23 19 45.0			110
PRL	E		23 18 55.5			23 19 50.5			
MOT	E	*	23 18 56.5						
GUD	E		23 19 04.5						
MCV	E	*	23 19 19.0		*	23 20 20.5			
16-JUL HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS 231741.7	34 58	-04 02	54	0.9	3.6	TAGUIDIT.MAC			
LIS	I		17 44 13.3	I		17 45 01.3			
MTH	I		17 44 14.2	I		17 45 02.0			
FUL	E	*	17 44 15.3	I	*	17 45 07.0			
MOT	I		17 44 20.9	I		17 45 14.5			
FAR			17 44 24.4			17 45 22.0			
MFG			17 44 25.8			17 45 23.3			
COI	I		17 44 29.0	I		17 45 28.1			
PTO	E		17 44 33.5	I		17 45 36.2			
PRL	I		17 44 33.9	I		17 45 37.4			
MTE	I		17 44 38.6	I		17 45 45.0			
MCV	I		17 44 48.8	I		17 46 03.8			
MAL	I		17 45 04.0	I		17 46 31.0	0.98	0.4	210
LOJ	I		17 45 06.6	E	*	17 45 24.4			
SMO	I		17 45 10.0	I	*	17 45 38.6			
TOL	E		17 45 10.0	I		17 46 42.0			250
PHE	I		17 45 11.5	I	*	17 45 41.1			
GUD	I		17 45 11.8	E		17 46 45.5			280
CRT	I		17 45 12.8	I		17 46 45.5			
ALM	I		17 45 26.2				1.60	0.6	
LGR	I		17 45 39.0	I	*	17 47 34.0			
ACU	I		17 45 46.2			17 47 45.0			
EBR	E		17 46 01.0	E	*	17 48 06.5			
EPF			17 46 07.6		*	17 48 17.5	0.03	0.5	
18-JUL HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS 174308.9	37 26	-14 20	10	0.6	4.2	ATLANTICO			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MFG	I		22 14 59.1						
MOT	E		22 15 09.6	I		22 15 38.4			
MTH	E		22 15 12.2	I		22 15 42.0			
PRL	I		22 15 25.2	I		22 16 04.0			
TOL	E	*	22 15 34.0	E	*	22 17 27.0	0.02	0.6	130
MAL	E		22 15 35.0	I		22 16 21.5	0.10	0.6	70
MTE	E		22 15 37.3	E		22 16 26.0			
LOJ	I		22 15 38.7						
PHE	I		22 15 43.0						
MCV	E		22 15 50.0	I		22 16 47.3			
GUD	I	=	22 15 59.5	E	=	22 17 06.4			130

18-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	221432.3	36 22	-09 33	8	0.4	3.2		SW.C. SAN VICENTE

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LOJ	I		06 21 00.6	I		06 21 2.3			
PHE	I		06 21 06.4	E		06 21 13.2			
MAL	I		06 21 06.5	I		06 21 13.0			
SMO	I		06 21 07.3						

20-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	062058.5	37 08	-04 12	10	0.2			LOJA.GR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		14 36 22.5						
LOJ	I		14 36 23.5			14 36 27.1			
PHE	I		14 36 25.0	I		14 36 32.5			

20-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	173617.7	36 52	-04 13	18	0.5			TORVISCON.GR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LOJ	I		08 44 15.8	I		08 44 18.7			
PHE	I		08 44 16.1						
MAL	I		08 44 17.3	I		08 44 21.6	1.42	0.5	80
CRT	I		08 44 20.0	I		08 44 26.6			
SMO	E		08 44 21.2	I		08 44 28.7			
ALM	I		08 44 33.1	I	*	08 44 51.7	0.19	0.7	61
TOL	E		08 44 56.0						75
GUD	E		08 45 07.0						100

21-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	084410.8	36 54	-04 05	16	0.3	3.1		MURTAS.GR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LOJ	I		19 23 19.8	I		19 23 24.0			
PHE	I		19 23 20.5						
MAL	I		19 23 21.6	I		19 23 26.0	1.42	0.5	60

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	CRT	I		19 23 24.5	I		19 23 31.5			
	SMO	I		19 23 25.4	I		19 23 33.6			
	TOL	E	*	19 24 13.0	E	*	19 24 41.0			45
	GUD	E		19 24 14.0						90

21-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	192315.5	36 51	-04 02	5	0.3	3.0		MURTAS.GR

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	MAL	I		09 25 41.6	I		09 25 48.8	0.54	0.6	65
	LOJ	I		09 25 43.3	I		09 25 53.8			
	PHE	I		09 25 49.1						
	SMO	I		09 25 51.5						

22-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	092530.5	37 01	-05 01	10	0.5			TEBA.MA

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	LOJ	I		17 07 52.8	I		17 07 56.5			
	MAL	I		17 07 53.5						
	PHE	I		17 07 53.5	I		17 07 58.0			
	SMO	I		17 07 59.2						

22-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	170747.9	36 50	-04 03	5	0.2			VELEZ-MALAGA.MA

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	CRT	I		00 35 06.9	E		00 35 9.5			
	SMO	I		00 35 07.5	I		00 35 10.0			
	PHE	I		00 35 07.6	I		00 35 11.0			
	LOJ	I		00 35 09.1	I		00 35 14.0			
	MAL	E		00 35 18.0	I		00 35 25.0			

31-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	003503.9	37 09	-03 45	9	0.6			SANTA FE.GR

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	OFD	I		23 46 53.5	E		23 47 00.5			
	ABA	I		23 47 08.0	I		23 47 24.5			
	ACU	I		23 47 24.2	E		23 47 51.8			52

31-JUL	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	234645.5	36 26	01 22	33	0.3			FLATIERS BU NA.ARG

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	ALI	E		13 40 30.5	E		13 40 38.3			200
	EBR	I		13 40 58.0						
	ALM	I		13 41 03.4	I		13 41 34.2	0.13	1.3	155
	TOL	I		13 41 09.5	I	*	13 41 40.5	0.32	0.8	270

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CRT			13 41 10.8						
FBR	I		13 41 12.5	I		13 41 49.5			
GUD	I		13 41 15.0	I		13 41 56.0			220
MAL	I		13 41 21.0	I		13 42 02.0	0.20	0.7	140
LGR	E		13 41 22.3	E	*	13 42 12.3	0.34	1.0	290
EPF			13 41 28.2		*	13 42 11.4			
OFD	I	*	13 41 30.0	I	*	13 41 34.0			
PRL	E		13 41 44.1	I	*	13 43 12.2			
MTE	I		13 41 47.0	I	*	13 43 32.0			
MFG	I	*	13 41 50.6	I	*	13 43 39.0			
LPO			13 41 51.3			13 42 54.6	0.03	0.8	
MOT	E		13 41 55.0	I		13 43 08.0			
CAF			13 41 55.7						
LMR			13 42 04.2						
CVF			13 42 18.5						

02-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	134022.9	38 49	-00 22	9	0.9	4.0	IV	MURO. A.

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		16 00 35.2	I		16 00 38.5			
LOJ	I		16 00 36.7						
PHE	I		16 00 37.8	I		16 00 44.7			
SMO	E		16 00 43.0						

03-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	160030.3	36 47	-04 10	19	0.3			VELEZ-MALAGA.MA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LOJ	I		15 28 29.2	I		15 28 36.5			
MAL	I		15 28 29.5	I		15 28 34.8	1.03	0.3	20
PHE	I		15 28 33.6	E		15 28 44.3			
SMO	I		15 28 35.0	I		15 28 45.1			

05-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	152820.8	37 04	-04 37	33	0.4			ANTEQUERA.MA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LOJ	I		15 02 45.2		*	15 02 58.0			
PHE	I		15 02 47.6						
MAL	I		15 02 48.0	I		15 02 55.0	0.20	0.7	
SMO	I		15 02 48.5						
CRT			15 02 49.0						

06-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	150239.0	37 05	-04 09	41	0.2			LOJA.GR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LGR	E		18 20 23.0	I		18 20 38.0			55

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
EPF			18 20 21.9						
LFF		=	18 20 45.1		=	18 21 13.8			
LPO		=	18 20 44.6		=	18 21 12.5			
CAF			18 20 47.4		*	18 21 20.4			

06-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	182001.4	43 06	-01 11	5	0.5	2.7		SAINT JEAN.FR

MAL	I		02 04 22.0	I		02 04 33.3	0.54	0.4	85
LOJ	E		02 04 28.0						
PHE	E		02 04 33.0						
SMO	E		02 04 34.7						
CRT		*	02 04 37.0						
MFG			02 04 43.3		*	02 05 13.5			
PRL	E		02 04 57.5	E		02 05 30.0			
MOT	E	*	02 05 05.2	E		02 05 30.6			
GUD	I		02 05 09.0						
MTE	E	*	02 05 14.5	I	*	02 06 15.0			

07-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	020410.2	36 49	-05 18	11	0.6	3.1		ARRIATE.MA

FBR	I		04 14 43.7			04 14 49.2			
MLS			04 15 06.9			04 15 29.6			
EPF			04 15 13.1						
LRG			04 15 27.0			04 16 03.0			
CAF			04 15 27.7						
LMR			04 15 27.9			04 16 04.7			
FRF			04 15 29.9			04 16 10.0			
LFF			04 15 31.2						
RJF			04 15 34.6						
LPO		*	04 15 36.0		*	04 16 17.6			
MZF			04 15 44.6						
LGR	E	*	04 15 45.0	E		04 16 22.0			150
CVF			04 15 45.5			04 16 37.0			
TCF			04 15 45.8						
GUD	I		04 15 53.7	E		04 16 51.6			140
LSF		*	04 16 02.4		*	04 17 02.7			

10-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	041435.2	41 31	02 44	9	0.7	3.5	IV	E. MATARO

LOJ	I		05 58 12.1						
SMO	E		05 58 13.3						
PHE	I		05 58 17.6						
MAL	E		05 58 18.0	I	*	05 58 31.5	0.19	0.5	40

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	PRL	I	=	05 58 46.1	I	=	05 59 19.5			
	MFG	E		05 58 47.0			05 59 19.4			
	GUD	E		05 58 52.0	I		05 59 26.2			
	MOT	I		05 58 53.0	I	*	05 59 34.7			
	MTE		*	05 59 04.0		*	05 59 44.5			
17-AGO	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	055803.1			37 33 -04 22	11	0.5		BAENA.CO		
	LGR	E		13 53 38.3	I		13 53 46.8	0.22	1.0	85
	EPF			13 53 53.2			13 54 15.4			
	GUD	E		13 54 09.8						70
	LPO			13 54 11.9		*	13 54 46.8			
	RJF			13 54 18.8		*	13 55 00.6			
	CAF			13 54 20.0			13 55 01.0			
	TCF			13 54 33.4			13 55 24.2			
	MZF			13 54 35.4			13 55 27.6			
17-AGO	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	135326.4			42 53 -01 52	7	0.5	2.7	PAMPLONA.NA		
	LOJ	I		07 54 15.8	E		07 54 25.0			
	PHE	I		07 54 21.1	E	*	07 54 37.6			
	MAL	I		07 54 21.5	I		07 54 35.0	0.19	0.5	40
	TOL	E		07 54 42.0	I		07 55 10.0			90
	GUD	I		07 54 51.5	E		07 55 28.5			90
	PRL	I	*	07 54 49.5	I		07 55 23.5			
	MFG	E		07 54 49.9			07 55 23.0			
	MOT	E		07 54 56.5	E		07 55 36.0			
	MTE	I	*	07 55 05.8	I	*	07 55 49.2			
	MCV	E	*	07 55 37.2		*	07 56 02.5			
18-AGO	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	075405.4			37 39 -04 22	5	0.7		BAENA.CO		
	LOJ	I		21 11 31.9	E		21 11 38.2			
	MAL	E		21 11 32.5	I		21 11 39.0	0.26	0.3	30
	PHE	I		21 11 33.8						
19-AGO	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	211123.6			36 56 -04 13	54	0.1		PERIANA.MA		
	PHE	I		11 52 40.6	I		11 52 44.4			
	LOJ	I		11 52 44.5	I		11 52 52.1			
	MAL	E		11 52 46.0	I		11 52 52.0			

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

	HO	LAT	LONG	PRO	RMS	MAG	IO	
25-AGO								
SSIS	115235.7	36 42	-03 46	7	0.4			S. ALMUØECAR

PHE	I	12 25 31.4	I	12 25 35.4					
LOJ	I	12 25 34.9	E	12 25 42.6					
MAL	I	12 25 36.0	I	12 25 41.8					

	HO	LAT	LONG	PRO	RMS	MAG	IO	
25-AGO								
SSIS	122526.2	36 41	-03 47	5	0.4			S. ALMUØECAR

PHE	I	15 59 16.8	E	15 59 23.5					
ALM	I	15 59 20.5	I	15 59 29.4	0.22	0.8	62		
LOJ	I	15 59 22.9							
MAL	I	15 59 25.2	I	15 59 36.8	0.11	0.7	44		

	HO	LAT	LONG	PRO	RMS	MAG	IO	
26-AGO								
SSIS	155908.0	36 38	-03 16	13	0.3			S. CASTELL DE FERRO

MAL	I	22 11 02.0	I	22 11 7.0					
PHE	I	22 11 05.6	E	22 11 16.2					
SMO	I	22 11 07.4							

	HO	LAT	LONG	PRO	RMS	MAG	IO	
28-AGO								
SSIS	221053.9	37 05	-04 32	24	0.5			ANTEQUERA.MA

LOJ	E	00 07 31.6	I	00 07 35.6					
MAL	I	00 07 35.5	I	00 07 40.0					
PHE	I	00 07 37.3	E	00 07 45.4					
SMO	I	00 07 39.1	I	* 00 07 49.5					

	HO	LAT	LONG	PRO	RMS	MAG	IO	
29-AGO								
SSIS	000728.3	37 04	-04 19	16	0.4			ARCHIDONA.MA

LOJ	I	00 18 25.0	I	00 18 28.4					
MAL	I	00 18 28.0	I	00 18 32.5					
PHE	I	00 18 30.1	E	00 18 38.1					
SMO	I	00 18 32.2							

	HO	LAT	LONG	PRO	RMS	MAG	IO	
29-AGO								
SSIS	001821.3	37 03	-04 19	16	0.3			ARCHIDONA.MA

LOJ	I	00 50 09.0	I	00 50 12.1	

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MAL	I		00 50 11.8	I		00 50 16.4			
PHE	I		00 50 14.4	E		00 50 22.0			
SMO	I		00 50 15.9	E		00 50 24.9			

29-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	005005.6	37 03	-04 19	10	0.3			ARCHIDONA.MA

STS	I		06 27 44.0	E		06 27 52.0			114
PTO		=	06 28 00.2		=	06 28 13.9			
GUD	I		06 28 26.0	I		06 29 07.0			170
LGR	E		06 28 37.8	E		06 29 27.8	0.19	1.1	190
TOL	E	=	06 28 52.0	I	=	06 29 37.5	0.08	0.9	160

29-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	062731.0	42 12	-08 26	5	0.6	3.4	III	PUENTEAREAS.PO

EPF			23 30 29.9						
LGR	E	=	23 30 37.8	I	=	23 30 55.8	1.08	0.8	230
LFF			23 30 46.0			23 31 12.0			
LPO			23 30 47.0						
CAF			23 30 54.0						
RJF			23 30 54.2						
FBR	I		23 30 58.5	I	*	23 31 42.5			
EBR	E	*	23 31 00.0						
MFF			23 31 04.2			23 31 43.2			
LSF			23 31 04.8		*	23 31 31.0			
GUD	I		23 31 06.0	I		23 31 45.0			180
TCF			23 31 08.3			23 31 52.2			
MZF			23 31 10.4			23 31 53.9			
TOL	E		23 31 13.0	I		23 31 58.0	0.07	0.8	210
AVF			23 31 22.0						
LPF			23 31 22.9			23 32 15.4			
MCV	I	*	23 31 23.2						
ACU	E	*	23 31 24.7	E		23 32 16.3			95
SSF			23 31 25.8			23 32 21.3			
LBF			23 31 28.0			23 32 24.0			
LOR			23 31 30.0						
LRG			23 31 30.8						
FRF			23 31 33.4						
MTE			23 31 34.5						
PTO			23 31 40.7						
PRL	I		23 31 42.4						
MOT	E		23 31 57.0						

29-AGO	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	233011.8	43 15	-01 00	11	0.6	3.8	IV	ST. PALAIS.FR

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	PHE	I		17 57 38.8	I		17 57 43.1			
	MAL	I		17 57 40.0	I		17 57 44.6			
	SMO	E		17 57 44.3						
30-AGO	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	175733.4			36 48 -04 00	10	0.1		VELEZ-MALAGA.MA		
	MAL	I		07 16 41.8	I		07 16 46.0	0.72	0.5	55
	CRT	I		07 16 45.2	I		07 16 52.0			
	ALM	I		07 17 00.9	I		07 17 19.4	0.21	0.6	77
31-AGO	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	071635.9			36 59 -04 11	5	0.1	2.8 III	ZAFARRAYA.GR		
	LOJ	I		12 02 34.2	I		12 02 37.9			
	PHE	I		12 02 34.3	I		12 02 38.2			
	SMO	I		12 02 39.1	I		12 02 47.6			
	MAL	I		12 02 35.2	I		12 02 39.0			
31-AGO	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	120228.9			36 50 -04 01	5	0.2		VELEZ-MALAGA.MA		
	EPF			18 48 10.7						
	LGR	I		18 48 27.4	I		18 48 47.7	0.16	0.8	85
	LPO			18 48 32.0						
	CAF			18 48 39.8			18 49 10.8			
	EBR	E		18 48 42.0	E	*	18 49 15.0			
	TCF			18 48 55.8			18 49 36.6			
01-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	184759.1			43 16 -00 35	5	0.8	3.2 III	STE. MARIE.FR		
	ALR	I	=	00 19 11.0	I	=	00 19 33.0			
	MAL	I		00 19 09.2	I		00 19 39.0	0.51	0.4	145
	PHE	I		00 19 11.6	I		00 19 43.3			
	LOJ	I		00 19 14.7	I	*	00 19 52.6			
	ALM	I		00 19 15.4	I		00 19 48.0	0.52	0.5	172
	CRT	E		00 19 17.5						
	SMO	I	*	00 19 19.8						
	MFG	I		00 19 32.5	I		00 20 19.0			
	MOT			00 19 51.2			00 20 51.1			
	TOL	E		00 19 53.0	E		00 20 54.0			
	PRL	I	*	00 19 56.6	I		00 20 57.6			
	MTH	E	*	00 20 06.4	I		00 21 08.8			
	MTE	E		00 20 10.0	I	*	00 21 25.0			

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	MCV	I		00 20 15.0	I	*	00 21 33.4			
02-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
	SSIS	001831.2		34 15 -04 04	22	0.7	3.7	TOUAHAR.MAC		
	MLS			11 53 56.5			11 54 13.5			
	EBR	E		11 53 58.0	E		11 54 16.0			
	FBR			11 54 02.9			11 54 23.7			
06-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
	SSIS	115335.9		42 02 00 07	7	0.7	2.7	BARBASTRO.HU		
	SMO	I		12 07 40.1	I		12 07 41.4			
	CRT	I		12 07 40.2	I		12 07 41.2			
	PHE	I		12 07 43.5						
	LOJ	E		12 07 44.5	I		12 07 52.1			
08-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
	SSIS	120737.3		37 16 -03 36	12	0.5		DEIFONTES.GR		
	LOJ	I		11 12 09.2	I		11 12 11.7			
	MAL	I		11 12 12.3	I		11 12 17.2			
	PHE			11 12 12.4						
11-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
	SSIS	111205.8		36 58 -04 07	15	0.1		ZAFARRAYA.GR		
	ALM	I	*	13 53 43.5	E		13 53 48.7	5.49	0.6	123
	CRT	I		13 54 00.7	I	*	13 54 4.2			
	ALR	I	*	13 54 09.0	E	*	13 54 29.0			
	MAL	I		13 54 11.0	I		13 54 35.0	1.16	0.7	125
	ACU	I		13 54 17.5						140
	TOL	E	*	13 54 35.0	I	*	13 55 08.0	0.32	0.6	
	GUD	I		13 54 42.4	I		13 55 27.1			260
	MFG	I		13 54 51.4	I		13 55 41.5			
	PRL	E		13 54 53.0	I	*	13 56 07.5			
	EBR	E	*	13 54 56.0						
	MOT	E		13 55 00.0	I	*	13 56 22.0			
	MTE	I		13 55 02.3	I	*	13 56 28.0			
	MCV	I	*	13 55 02.5	I	*	13 56 35.1			
	LGR	E	*	13 55 07.2	I		13 56 06.7	0.53	1.0	275
	COI	I		13 55 08.0	I	*	13 56 09.0			
	MTH	E		13 55 08.5	I	*	13 56 47.0			
	PTO	I		13 55 16.4		*	13 56 20.1			
	EPF			13 55 17.6		*	13 56 29.8			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
LPO			13 55 41.2						
LFF			13 55 42.0						
CAF			13 55 46.8						
CVF			13 56 11.2						

12-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS	135342.5	37 00	-02 17	5	0.9	4.1	IV	SIERRA ALHAMILLA.AL		

ALM	I		04 34 12.4	E		04 34 17.6				350
CRT	I		04 34 28.4							
PHE	I		04 34 29.2							
ALR	I		04 34 33.0	I	*	04 34 57.0				
LOJ	I		04 34 35.1							
MAL	I		04 34 38.0							230
ACU	I		04 34 44.8	E	*	04 34 51.5				252
TOL	E		04 35 01.0	I	*	04 35 34.0	2.25	0.6		
SFS	I	*	04 35 03.0	I	*	04 35 43.0				
GUD	I		04 35 10.1	I		04 35 55.6				400
ABA	I		04 35 15.0							
FBR	E	*	04 35 17.0							
PRL	I		04 35 20.2	I		04 36 11.7				
MFG		*	04 35 20.2			04 36 07.0				
FAR		*	04 35 20.7							
MOT	I		04 35 25.1	I		04 36 19.5				
MCV	I	*	04 35 29.5	I	*	04 36 46.0				
MTE	I		04 35 29.5	I		04 36 27.0				
LGR	I	*	04 35 34.0	I	*	04 36 34.5	3.45	1.1		480
LIS	I		04 35 34.8	I	*	04 36 33.3				
COI	I		04 35 35.0	I		04 36 36.7				
MTH	I		04 35 35.5	I		04 36 38.0				
EPF			04 35 45.2							
LPO			04 36 08.2		*	04 37 34.0				
LFF			04 36 10.2							
CAF			04 36 14.6		*	04 37 44.8				
RJF			04 36 17.0		*	04 37 50.4				

13-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS	043410.5	36 59	-02 20	9	0.9	5.0	V	SIERRA ALHAMILLA.AL		

NOTA: EN CAPITULO APARTE FIGURAN LAS LOCALIZACIONES REALIZADAS EN LA CAMPANA DE ESTUDIO DE REPLICAS.

ALM	I		09 08 09.5	I		09 08 12.9	8.53	0.5		232
CRT	I		09 08 23.9							
PHE	I		09 08 24.7							
LOJ	I		09 08 30.5							
ALR	I	*	09 08 31.0	I	*	09 08 54.0				
MAL	I		09 08 34.0	I		09 08 56.5	1.71	0.7		175
ACU	I		09 08 40.6	I	*	09 08 47.5				155
TOL	E	*	09 08 49.0	E	*	09 09 30.0	0.70	0.6		265

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
GUD	I		09 09 05.3	I		09 09 51.5			270
MFG		*	09 09 15.5						
EBR	E	*	09 09 17.0						
SFS	E	*	09 09 18.5	E	*	09 09 57.0			
MOT	E		09 09 21.8	I		09 10 16.5			
PRL		*	09 09 21.8	I	*	09 10 30.0			
MCV		*	09 09 25.0		*	09 10 55.0			
MTE	I		09 09 25.6	I	*	09 10 52.0			
LGR	E		09 09 27.7	I		09 10 28.2	1.04	1.4	370
COI	E		09 09 30.0	I		09 10 34.0			
MTH	E	*	09 09 33.5	E		09 10 33.5			
EPF			09 09 40.7		*	09 10 53.1			

13-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	090806.4	36 58	-02 21	10	0.7	4.4		SIERRA ALHAMILLA.AL

ALM	I		09 20 00.4	I		09 20 2.7	0.27	0.3	50
PHE	I		09 20 15.3						
SMO	E		09 20 18.3						
LOJ	E		09 20 21.2						

13-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	091957.1	36 42	-02 27	9	0.2			GOLFO DE ALMERIA

ALM	I		09 56 29.1	I		09 56 31.3	6.37	0.3	160
CRT	I		09 56 43.0						
PHE	I		09 56 43.9						
LOJ	I		09 56 49.7						
MAL	I		09 56 53.5	I	*	09 57 18.0	0.58	0.8	100
ACU	E		09 57 00.7						110
TOL	E	*	09 57 18.0				0.16	0.8	150
GUD	I		09 57 24.6	I		09 58 12.0			170
MOT	E		09 57 39.6	I		09 58 36.0			
MTE	I		09 57 44.5	I	*	09 59 11.0			
MCV	I	*	09 57 45.0	I	*	09 59 19.0			
LGR	E		09 57 47.7	I		09 58 48.2	0.34	1.3	250
PRL	E	*	09 57 48.5	I	*	09 58 49.5			
MTH	E		09 57 50.0						
COI	E		09 57 50.0	I	*	09 59 22.3			
EBR	E	*	09 58 43.0						

13-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	095625.4	36 51	-02 20	18	0.6	3.7		SIERRA ALHAMILLA.AL

CRT	I		11 40 21.3						
PHE	I		11 40 22.1						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
SMO	I		11 40 23.7						
ALR	I		11 40 25.0	I		11 40 44.0			
LOJ	I		11 40 27.8						
MAL	I		11 40 31.5	I		11 40 55.5	2.55	0.8	195
ACU	I		11 40 37.8	E	*	11 40 45.2			175
TOL	I		11 40 53.5				1.15	0.4	330
GUD	I		11 41 02.8	I		11 41 48.5			270
SFS	I	*	11 41 09.5	E	*	11 41 50.0			
MFG			11 41 11.5						
EBR	E		11 41 12.0						
PRL	I		11 41 13.5						
MOT	E		11 41 18.0	I	*	11 42 40.1			
MCV	I	*	11 41 22.8	I	*	11 42 52.5			
LGR	I		11 41 25.7	I		11 42 26.2	0.78	1.0	330
COI	E		11 41 28.4	I		11 42 30.3			
EPF			11 41 38.0						
LPO			11 42 01.1						

13-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	114003.9	37 03	-02 24	5	1.0	4.8		SIERRA ALHAMILLA.AL

ALM	I		12 03 53.3	I		12 03 55.3			229
CRT	I		12 04 07.1						
PHE	I		12 04 07.8						
SMO	E		12 04 09.9						
LOJ	I		12 04 13.4						
ALR	I	*	12 04 15.0	I	*	12 04 35.0			
MAL	I		12 04 17.0	I	*	12 04 44.0	1.30	0.8	115
ACU	E		12 04 24.0	E	*	12 04 30.0			155
SFS	E	*	12 04 31.0	E		12 05 12.0			
TOL	E		12 04 38.5	I	*	12 05 11.0	0.50	0.8	260
GUD	I		12 04 49.8	I		12 05 36.5			270
PRL	E	*	12 05 03.5	I	*	12 06 14.0			
MOT	E	*	12 05 06.2	I	*	12 06 22.7			
MCV	I	*	12 05 08.7	I	*	12 06 38.7			
MTH	I	*	12 05 11.5	I	*	12 06 52.2			
LGR	E		12 05 11.7	I		12 06 12.2	0.35	1.0	310
COI	E		12 05 14.3	I		12 06 16.3			
EBR	E	*	12 05 17.0						
EPF			12 05 24.0		*	12 06 37.5			
MFG		*	12 05 46.4						

13-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	120349.5	36 51	-02 22	19	0.6	4.2		SIERRA ALHAMILLA.AL

ALM	I		12 06 36.2	I		12 06 38.8	1.61	0.4	46
PHE	I		12 06 50.6						

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	SMO	E		12 06 54.6						
	LOJ	I		12 06 56.8						
13-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	120632.3			36 39 -02 28	5	0.4		GOLFO DE ALMERIA		
	LGR	I	=	14 25 55.7	I	=	14 26 11.2	0.31	0.9	110
	EPF			14 26 21.4			14 26 53.6			
	LFF			14 26 29.3			14 27 09.0			
	LPO			14 26 31.7			14 27 13.4			
	MFF			14 26 36.5			14 27 21.6			
	RJF			14 26 37.8			14 27 23.0			
	CAF			14 26 39.9			14 27 28.2			
	LSF			14 26 44.2						
	TCF			14 26 49.7						
	MZF			14 26 51.6			14 27 49.4			
	AVF			14 27 02.8						
	SMF			14 27 05.7						
13-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	142536.3			43 27 -03 25	5	0.6	3.4	SANTOØA.S		
	ALM	I		15 47 59.0	I		15 48 00.7	3.49	0.4	114
	CRT	I		15 48 13.0						
	PHE	I		15 48 13.7						
	SMO	I		15 48 16.0						
	LOJ	I		15 48 19.6						
	MAL			15 48 23.3	I	*	15 48 48.3	0.11	0.8	80
	TOL	E		15 48 47.0	E		15 49 22.0	0.03	0.6	85
	GUD	E	=	15 48 57.5	E	=	15 49 42.7			110
	LGR	E		15 49 18.7	E		15 50 19.2			170

14-SEP
SSIS : SISMO LOCALIZADO EN CAMPANA DE ESTUDIO DE REPLICAS

	CRT	I		05 13 36.8						
	PHE	I		05 13 37.7	E		05 13 50.4			
	LOJ	E		05 13 43.8						
	MAL	I		05 13 47.3	I	*	05 14 12.2	0.08	0.8	80
	TOL	E		05 14 09.0	E		05 14 46.0	0.02	0.6	90
	GUD	E		05 14 20.0	E		05 15 05.4			110
	LGR	E		05 14 41.2	E		05 15 43.7			170

15-SEP
SSIS : SISMO LOCALIZADO EN CAMPANA DE ESTUDIO DE REPLICAS

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALM	I		17 53 50.4	I		17 53 52.9	0.59	0.3	37
PHE	I		17 54 05.0						
SMO	I		17 54 08.3	E		17 54 26.9			

17-SEP
SSIS : SISMO LOCALIZADO EN CAMPANA DE ESTUDIO DE REPLICAS

FBR	I	=	12 44 59.9		=	12 45 09.2	
EBR	E	=	12 45 09.3	E	=	12 45 20.3	
MLS			12 45 29.5			12 45 51.4	
EPF			12 45 34.0				
LPO			12 45 54.0				
CAF			12 45 55.4				

	HO	LAT	LONG	PRO	RMS	MAG	IO	
18-SEP								
SSIS	124458.9	41 00	01 35	30	0.9	2.8		SE. TARRAGONA

LOJ	I	12 26 57.4	I	12 27 01.5			
PHE	I	12 26 57.7	E	12 27 02.3			
MAL	E	12 26 58.6	I	12 27 03.3			
SMO	E	12 27 04.0	E	12 27 10.7			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
21-SEP								
SSIS	122652.6	36 50	-04 02	6	0.3			VELEZ-MALAGA.MA

MAL	I	01 49 17.5	I	01 49 25.4	0.18	0.4	35
PHE	I	01 49 22.9					
SMO	I	01 49 26.4	I	01 49 42.0			

	HO	LAT	LONG	PRO	RMS	MAG	IO	
24-SEP								
SSIS	014906.8	36 12	-04 17	40	0.4			ALBORAN

CRT	I	17 54 17.2	I	17 54 22.2			
SMO	I	17 54 17.9	E	17 54 20.4			
PHE	E	17 54 21.4					

	HO	LAT	LONG	PRO	RMS	MAG	IO	
25-SEP								
SSIS	175411.7	37 26	-03 21	9	0.5			MOREDA.GR

FBR	I	04 54 42.5	I	04 54 55.5			
MLS		04 54 43.9	*	04 54 56.6			
EPF		04 54 52.8					
EBR	E	04 54 59.0					
LPO		04 55 06.0					

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
CAF			04 55 07.2						
LFF			04 55 11.0						
RJF			04 55 13.1						
LRG			04 55 16.8			04 55 52.0			
LMR			04 55 17.4			04 55 53.6			
FRF			04 55 19.6			04 55 59.5			
LGR	I		04 55 21.6	I		04 56 01.1	1.31	1.1	300
MZF			04 55 24.7						
TCF			04 55 25.5			04 56 09.0			
LSF			04 55 25.6						
BGF			04 55 30.0						
SMF			04 55 32.8						
ACU	E		04 55 33.0	E	*	04 56 24.0			200
AVF			04 55 33.8						
MFF			04 55 35.4		*	04 56 24.5			
SSF			04 55 37.6						
LBF			04 55 37.6						
CVF			04 55 38.4		*	04 56 32.4			
GUD	I		04 55 41.5	I		04 56 37.8			210
LOR			04 55 41.5			04 56 37.0			
TOL	I		04 55 44.5	I		04 56 45.0	0.24	1.0	270
MCV	E	*	04 56 03.5						
CRT	I	*	04 56 09.0						
PHE	E		04 56 09.8						
LOJ	E		04 56 10.7						

26-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	045426.3	42 21	02 15	9	0.7	4.4	IV	CAMPRODON.GE

FBR	I		05 34 29.2			05 34 41.0			
MLS			05 34 30.2		*	05 34 42.0			
EPF			05 34 40.0						
EBR	E	*	05 34 48.0						
LPO			05 34 52.9						
CAF			05 34 54.2						
LFF			05 34 58.0						
RJF			05 35 00.0						
LRG			05 35 04.0			05 35 42.0			
LMR			05 35 04.8			05 35 43.0			
LGR	E		05 35 06.2	E		05 35 45.7	0.10	0.9	180
FRF			05 35 06.7			05 35 45.6			
MZF			05 35 12.0						
LSF			05 35 12.8						
TCF			05 35 13.4						
BGF			05 35 16.8						
SMF			05 35 19.6						
AVF			05 35 21.0						
MFF			05 35 22.1						

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
SSF			05 35 24.6						
LBF			05 35 24.8						
CVF			05 35 25.5		*	05 36 18.0			
LOR			05 35 28.0						
GUD	I		05 35 28.5	E		05 36 24.5			120
TOL	E	*	05 35 53.0	E	*	05 36 59.0	0.01	1.0	100

26-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	053412.6	42 19	02 11	5	0.6	3.5	III	CAMPRODON.GE

SMO	I		12 42 15.0	E		12 42 16.7			
CRT	I		12 42 17.8	E		12 42 21.2			
PHE	I		12 42 20.3						

27-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	124212.5	37 23	-03 50	5	0.2			TIENA LA BAJA.GR

SFS	I	*	03 02 16.0	I	*	03 02 27.0			
MAL	I		03 02 16.5	I		03 02 30.5	0.58	0.4	77
LOJ	I		03 02 20.9						
SMO	I	*	03 02 24.6						
PHE	I		03 02 25.0	I	*	03 02 26.3			150
CRT	I		03 02 26.0	I		03 02 50.8			
MFG	E		03 02 28.6	I		03 02 52.1			
MOT	I	*	03 02 40.5	I	*	03 03 25.5			
PRL	E	*	03 02 42.3	I		03 03 23.0			
MTH	E	*	03 02 51.3	I	*	03 03 30.8			
TOL	I	=	03 02 56.0	I	=	03 03 36.5	0.13	0.4	125
MTE	E	*	03 03 03.5	I	*	03 03 55.0			
GUD	I		03 03 05.0						150
PTO	E	*	03 03 20.0		*	03 04 01.2			
COI	E	*	03 03 41.3	E	*	03 04 05.3			

28-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	030157.8	36 26	-05 38	10	0.9	3.5		ALCALA GAZULES.CA

ALM	I		20 45 04.1	I		20 45 13.3	0.40	0.7	55
CRT	I		20 45 10.1						
SMO	I		20 45 12.0						
PHE	I		20 45 12.5						
LOJ	I		20 45 18.5						
MAL	I		20 45 24.2	I	*	20 45 51.2	0.40	0.8	66
ALI	E		20 45 30.0						65
TOL	I		20 45 41.0	I		20 46 15.5	0.09	0.5	120
LGR	E	*	20 45 48.5	E	*	20 46 50.0			150
GUD	I		20 45 50.0	I		20 46 32.1			120

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
MTE	E	*	20 46 22.5	I	*	20 47 28.5			
MCV	E	*	20 46 24.0	I	*	20 47 30.4			
EBR	E	*	20 46 44.0						

29-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	204456.5	37 20	-02 38	5	0.8	3.5		SERON.AL

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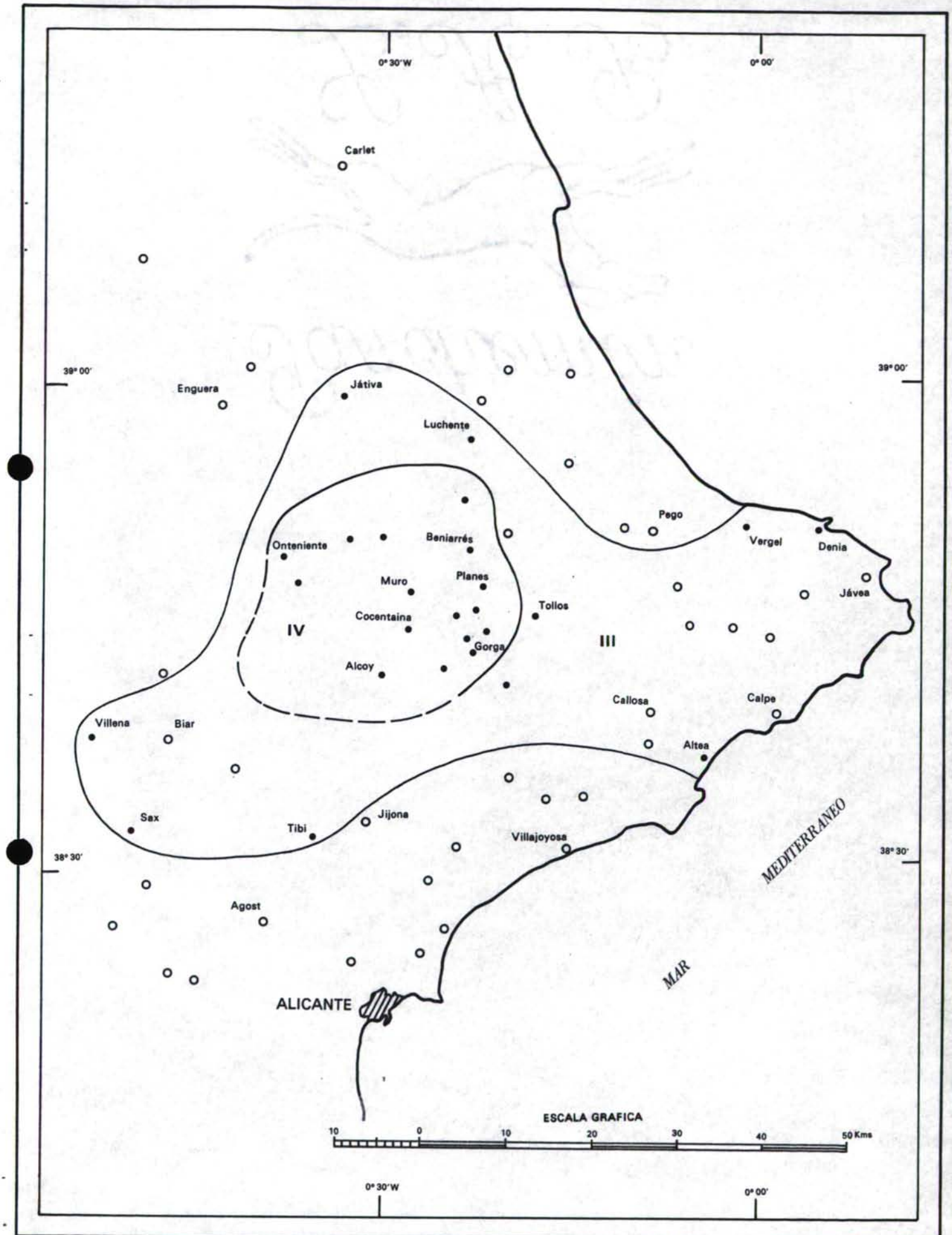
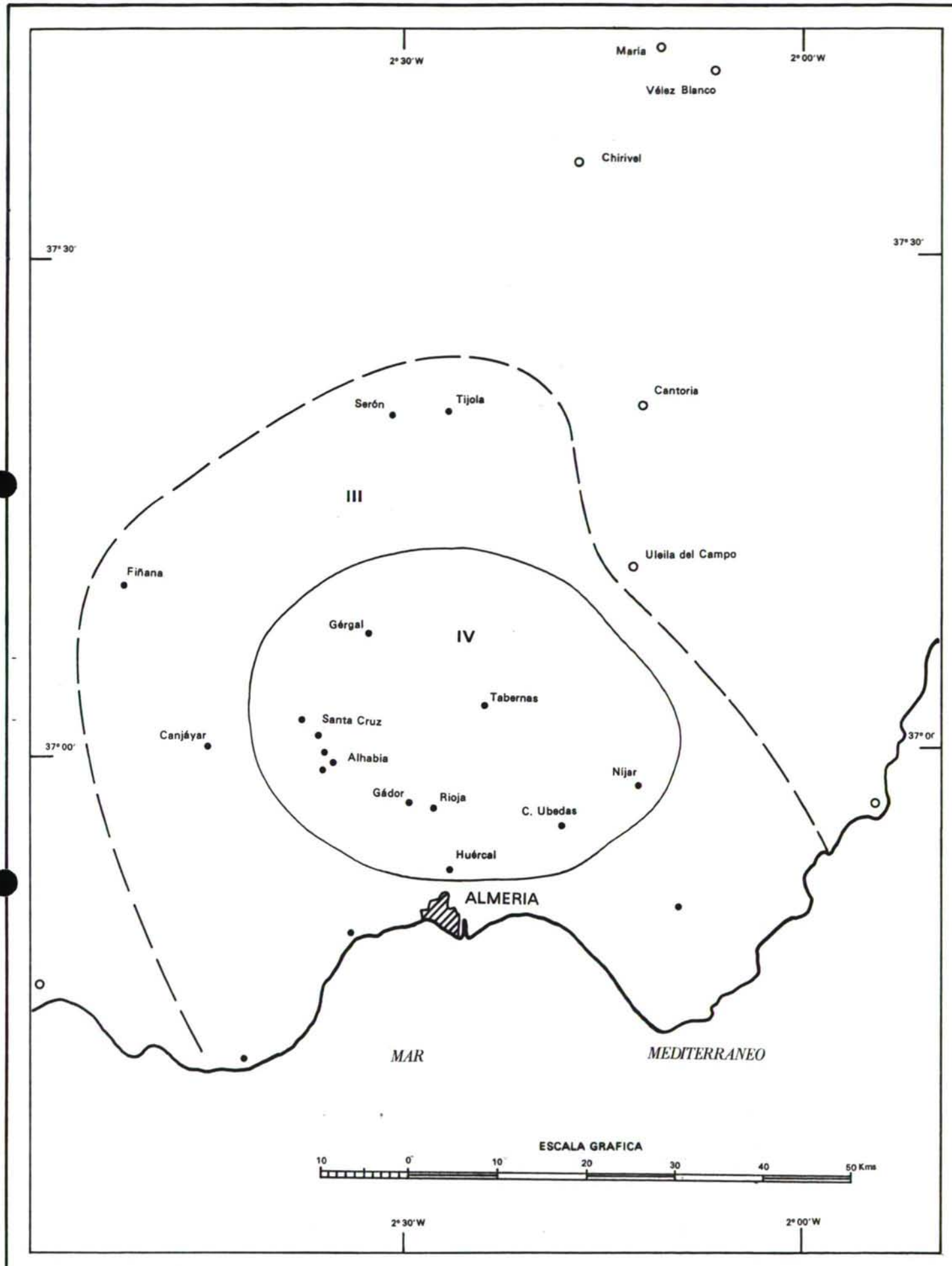


FECHA

2-AGOSTO-1984



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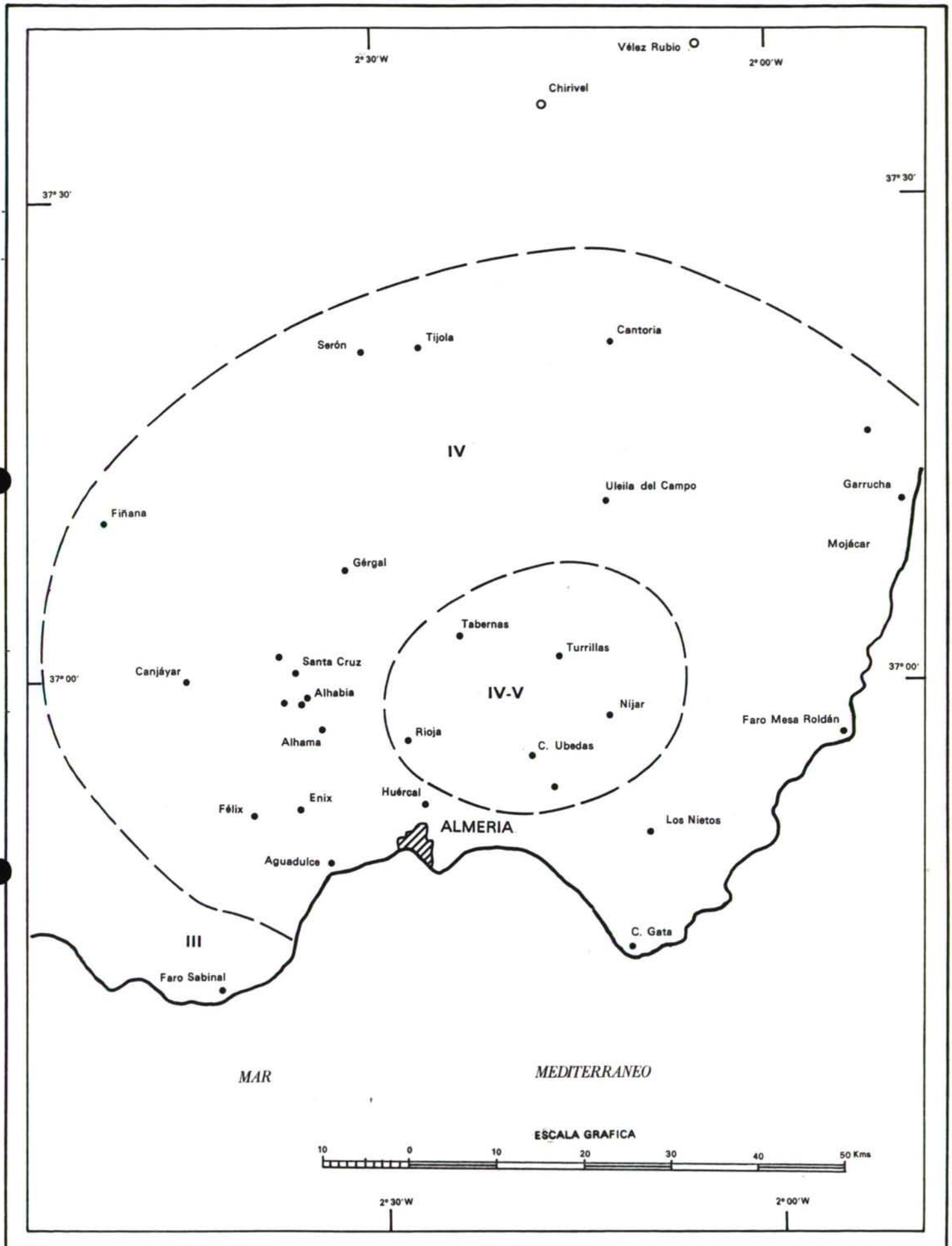
12-SEPTIEMBRE-1984



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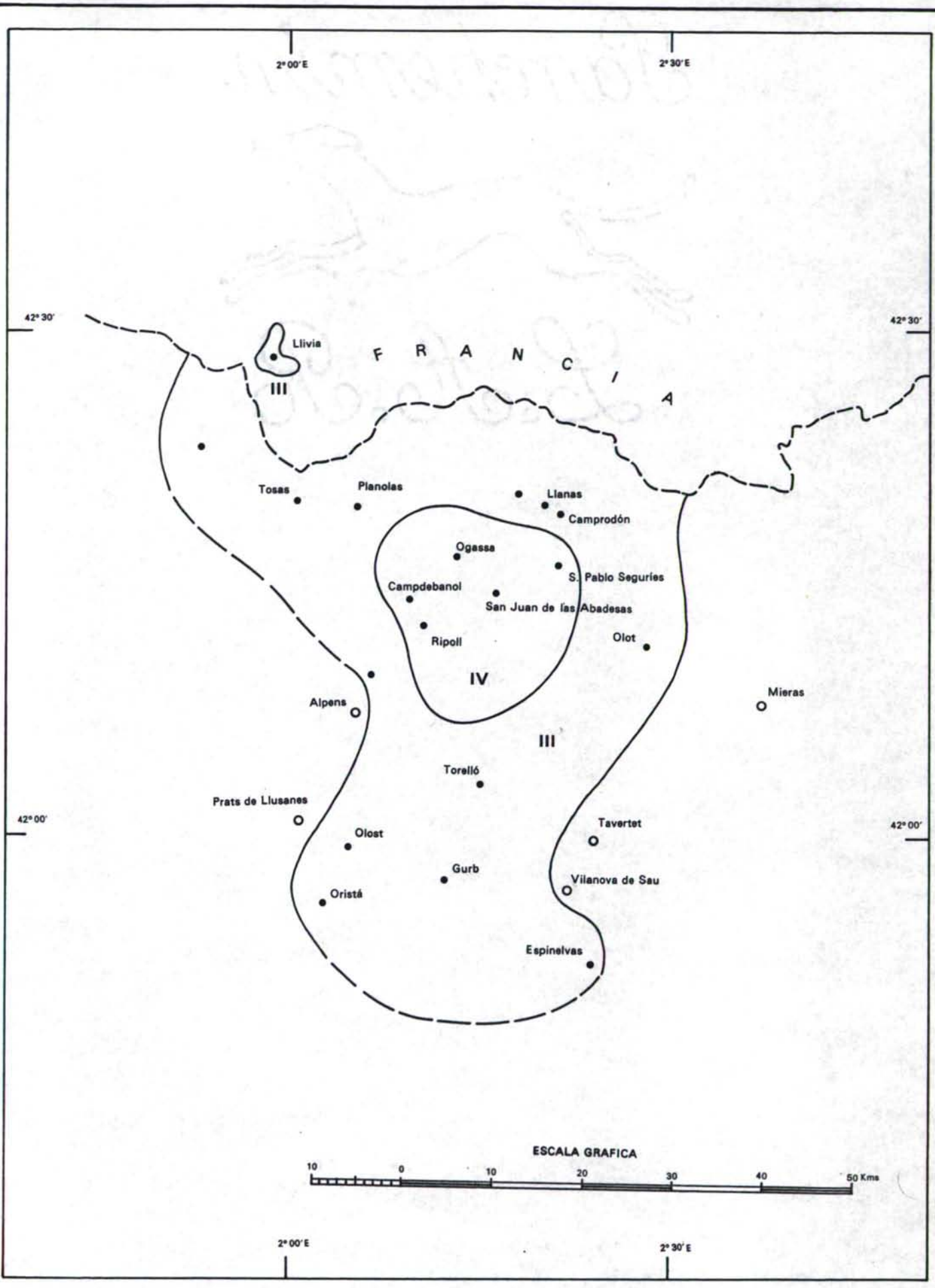

FECHA

26-SEPTIEMBRE-1984

CAMPAøA DE ESTUDIO DE REPLICAS DEL TERREMOTO DEL 13-09-1984

LOCALIZADO POR LA RSN: HO=04 34 10.5

LONG= 02-20.5 W

LAT= 36-58.9 N

H= 9 KM

MAG=5.0

IO= V

SIERRA ALHAMILLA. ALMERIA

E S T A C I O N E S D E C A M P O

STA	LATITUD	LONGITUD
TAB	37 03.29N	02 22.80W
NIJ	36 58.23N	02 12.48W
UBD	36 55.56N	02 18.11W
ALH	37 00.89N	02 25.09W
ROD	36 51.22N	02 06.44W
TOR	37 02.30N	02 15.19W
CHO	36 57.47N	02 23.69W
CAS	36 49.83N	02 32.60W
ALM	36 51.15N	02 27.59W

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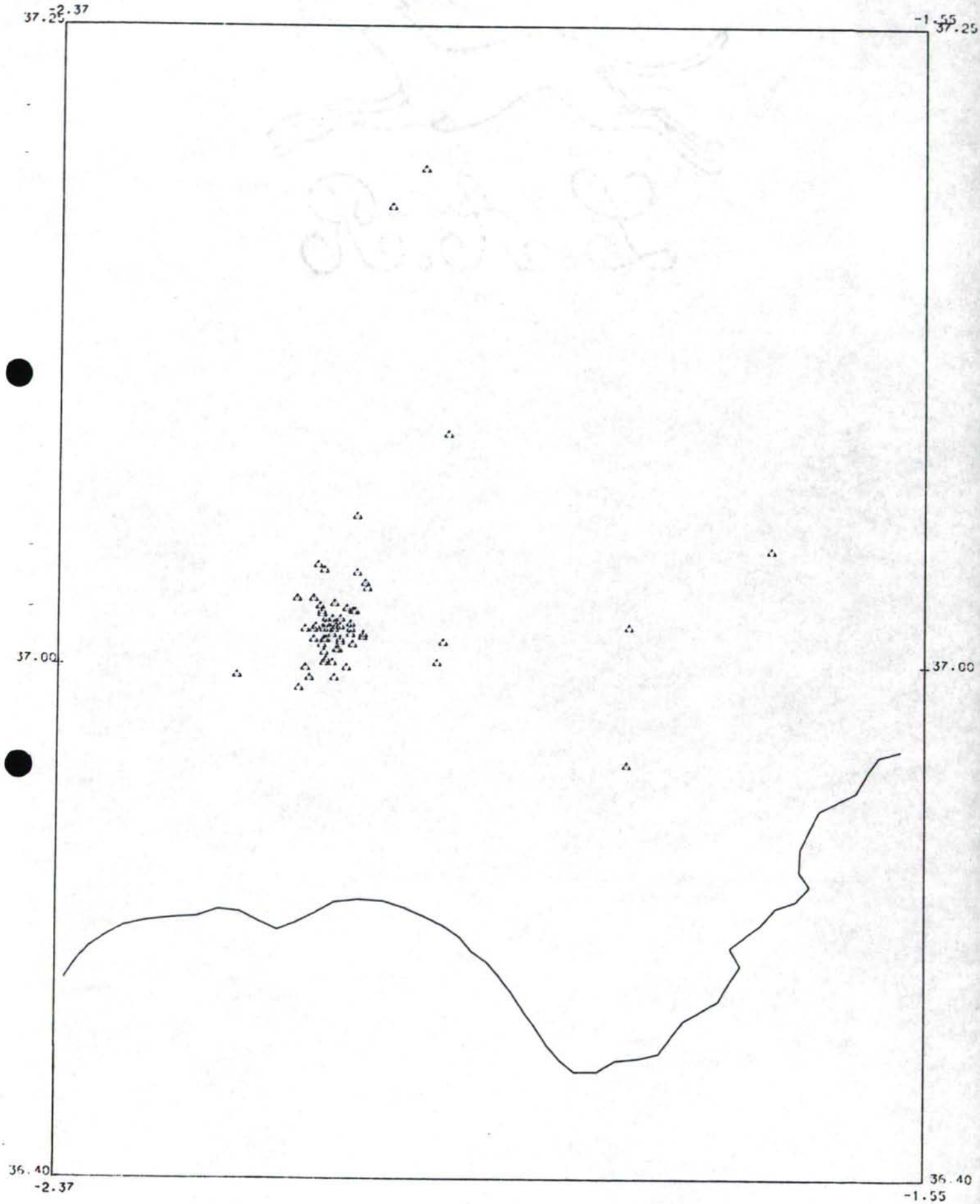
RESUMEN DE SISMOS LOCALIZADOS EN LA CAMPAÑA DE ESTUDIO DE REPLICAS EN ALMERIA

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1984-09-14	13-19-36.2	02-24.1 W	37-01.0 N	4	0.1			7	SSIS			R SIERRA ALHAMILLA.AL
1984-09-14	15-47-56.0	02-24.1 W	37-00.1 N	2	0.1			9	SSIS	3.1	III	R SIERRA ALHAMILLA.AL
1984-09-14	16-10-22.2	02-23.5 W	37-00.6 N	1	0.1			10	SSIS			R SIERRA ALHAMILLA.AL
1984-09-14	21-45-05.2	02-24.0 W	37-01.8 N	3	0.1			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-14	21-53-26.9	02-24.3 W	37-02.3 N	4	0.1			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-14	21-54-50.1	02-24.4 W	37-03.9 N	7	0.1			6	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	02-15-30.1	02-28.3 W	36-59.6 N	4	0.1			7	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	05-13-19.9	02-23.7 W	37-00.1 N	2	0.1			9	SSIS	2.9		R SIERRA ALHAMILLA.AL
1984-09-15	05-14-26.2	02-22.1 W	37-03.2 N	4	0.1			9	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	05-14-56.8	02-24.6 W	37-01.0 N	4	0.1			10	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	12-11-47.2	02-23.3 W	37-01.8 N	1	0.1			7	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	12-35-55.0	02-23.0 W	37-02.2 N	5	0.1			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	12-52-02.3	02-25.3 W	36-59.1 N	1	0.1			4	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	13-21-18.2	02-24.8 W	36-59.5 N	3	0.0			7	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	13-52-21.5	02-23.7 W	37-01.8 N	2	0.1			7	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	16-05-13.7	02-25.4 W	37-02.6 N	5	0.1			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	17-45-14.1	02-23.6 W	36-59.5 N	5	0.2			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	22-50-02.6	02-24.5 W	37-01.5 N	3	0.1			10	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	22-57-26.6	02-24.1 W	37-00.5 N	2	0.1			10	SSIS			R SIERRA ALHAMILLA.AL
1984-09-15	23-56-17.0	02-22.8 W	37-01.4 N	1	0.1			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-16	09-14-10.6	02-24.1 W	37-03.7 N	5	0.1			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-16	16-49-35.1	02-22.5 W	37-03.6 N	1	0.1			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-16	17-15-25.6	02-25.0 W	36-59.9 N	3	0.1			11	SSIS			R SIERRA ALHAMILLA.AL
1984-09-16	18-54-45.7	02-23.0 W	36-59.9 N	3	0.1			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-16	19-34-51.9	02-22.0 W	37-03.0 N	1	0.1			7	SSIS			R SIERRA ALHAMILLA.AL
1984-09-16	22-10-20.7	02-23.6 W	37-02.4 N	1	0.1			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-16	23-31-02.1	02-22.6 W	37-02.1 N	2	0.1			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-17	03-49-10.3	02-22.7 W	37-02.1 N	2	0.1			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-17	13-06-21.9	02-22.2 W	37-01.2 N	3	0.1			8	SSIS			R SIERRA ALHAMILLA.AL
1984-09-17	13-35-58.4	02-09.4 W	36-56.1 N	8	0.1			8	SSIS			R SIERRA ALHAMILLA.AL

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1984-09-17	16-31-47.5	02-20.9 W	37-17.9 N	10	0.1			10	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-17	17-51-28.8	02-23.3 W	37-01.5 N	1	0.1			9	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-17	17-53-46.6	02-25.0 W	37-01.4 N	5	0.1			11	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-17	18-15-19.2	02-24.2 W	37-02.1 N	5	0.2			10	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-17	18-41-41.1	02-22.8 W	37-01.6 N	1	0.1			8	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-17	20-22-41.0	02-09.3 W	37-01.5 N	11	0.1			5	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	00-26-12.7	02-24.0 W	37-01.6 N	5	0.2			6	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	00-26-21.6	02-23.6 W	37-01.6 N	2	0.1			8	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	03-20-31.9	02-22.2 W	37-01.1 N	3	0.1			8	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	09-49-02.5	02-24.2 W	37-02.0 N	7	0.1			8	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	11-35-12.1	02-22.5 W	37-05.8 N	5	0.2			7	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	12-39-00.0	02-02.4 W	37-04.5 N	10	0.1			10	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	14-05-24.8	02-22.8 W	37-01.2 N	2	0.1			10	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	14-31-11.6	02-23.9 W	37-01.4 N	5	0.2			10	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	15-27-45.3	02-18.1 W	37-09.0 N	5	0.2			8	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	16-24-47.6	02-22.8 W	37-01.2 N	4	0.1			12	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	19-26-05.2	02-23.3 W	37-01.0 N	1	0.1			10	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	20-25-18.0	02-23.7 W	37-01.2 N	4	0.1			12	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-18	23-32-06.6	02-24.1 W	37-01.4 N	4	0.1			12	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-19	11-14-32.0	02-24.0 W	37-01.0 N	5	0.1			12	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-19	11-26-54.1	02-23.4 W	37-00.6 N	5	0.2			12	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-19	13-07-41.4	02-23.5 W	37-01.5 N	4	0.1			10	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-19	16-03-24.7	02-24.6 W	37-02.6 N	3	0.2			10	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-20	02-23-39.7	02-24.0 W	37-00.2 N	5	0.2			11	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-20	03-37-01.9	02-24.2 W	37-00.8 N	4	0.1			11	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-20	04-02-27.2	02-22.7 W	37-00.8 N	5	0.1			11	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-20	04-19-32.8	02-23.6 W	37-01.4 N	4	0.1			12	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-20	04-40-00.4	02-24.6 W	37-01.4 N	5	0.1			11	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-20	11-03-55.7	02-23.3 W	37-00.9 N	5	0.1			10	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-22	03-08-19.7	02-19.3 W	37-19.4 N	14	0.1			10	SSIS		R	SIERRA ALHAMILLA.AL

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT	LOCALIZACION
1984-09-22	05-27-07.6	02-18.3 W	37-00.9 N	4	0.1			12	SSIS		R	SIERRA ALHAMILLA.AL
1984-09-22	07-45-42.4	02-18.6 W	37-00.1 N	5	0.1			10	SSIS		R	SIERRA ALHAMILLA.AL

REPLICAS ALMERIA



EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		13 19 37.0			13 19 37.4			10
UBD	I		13 19 38.5			13 19 40.2			21
NIJ	I		13 19 39.1			13 19 41.6			7
ROD	I	=	13 19 42.0		=	13 19 46.0			7

14-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	131936.2	37 01	-02 24	4	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		15 47 56.4			15 47 56.9			50
UBD	I		15 47 58.1			15 47 59.7			35
NIJ	I	=	15 47 58.5		=	15 48 00.8			65
ALM	I		15 47 58.8			15 48 01.0			35
ROD	I		15 48 01.1			15 48 4.8			35

14-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	154756.0	37 00	-02 24	2	0.1	3.1	III

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		16 10 22.5			16 10 23.0			29
UBD	I		16 10 24.2						46
NIJ	I		16 10 24.8			16 10 27.1			30
ALM	I		16 10 25.3			16 10 27.1			12
ROD	I		16 10 27.3			16 10 31.1			12

14-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	161022.2	37 01	-02 23	1	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		21 45 05.7			21 45 6.2			8
UBD	I		21 45 07.5			21 45 9.4			15
NIJ	I		21 45 08.2			21 45 10.5			7
ROD	I		21 45 10.6			21 45 14.7			7

14-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	214505.2	37 02	-02 24	3	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		21 53 27.7			21 53 28.2			30
NIJ	I	=	21 53 28.7		=	21 53 31.1			25
UBD	I		21 53 29.4			21 53 31.5			45
ALM	I		21 53 30.3			21 53 33.1			45
ROD	I	=	21 53 32.6		=	21 53 36.8			30

14-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	215326.9	37 02	-02 24	4	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		21 54 51.5			21 54 52.6			9

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	UBD	E		21 54 53.4			21 54 55.6			14
	NIJ	I		21 54 53.5			21 54 56.3			8
14-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	215450.1			37 04 -02 24	7	0.1				
	ALH	I		02 15 31.1			02 15 32.1			13
	UBD	I		02 15 32.8			02 15 35.0			21
	NIJ	I	=	02 15 34.7		=	02 15 37.8			12
	ROD	I		02 15 36.2			02 15 40.5			12
15-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	021530.1			37 00 -02 28	4	0.1				
	ALH	I		05 13 20.3			05 13 20.8			50
	UBD	I		05 13 21.9			05 13 23.4			36
	NIJ	I		05 13 22.6			05 13 24.8			60
	ALM	I		05 13 22.9			05 13 24.9			60
	ROD	I	=	05 13 25.5		=	05 13 29.3			70
15-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	051319.9			37 00 -02 24	2	0.1	2.9			
	ALH	I		05 14 27.2			05 14 28.3			20
	UBD	I		05 14 28.8			05 14 30.7			27
	NIJ	I		05 14 28.9			05 14 31.1			15
	ALM	I		05 14 30.4			05 14 33.0			27
	ROD	I	=	05 14 32.0		=	05 14 36.1			27
15-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	051426.2			37 03 -02 22	4	0.1				
	ALH	I		05 14 57.4			05 14 57.9			50
	UBD	I		05 14 59.2			05 15 01.1			60
	NIJ	I		05 14 59.9			05 15 02.4			50
	ALM	I		05 15 00.1			05 15 2.2			50
	ROD	I		05 15 02.2			05 15 6.1			60
15-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	051456.8			37 01 -02 25	4	0.1				
	ALH	I		12 11 47.7			12 11 48.2			10
	UBD	I		12 11 49.4			12 11 51.3			23
	NIJ	I		12 11 50.2			12 11 52.2			9

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	ROD	I	=	12 11 52.7		=	12 11 56.6			9
15-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	121147.2			37 02 -02 23	1	0.1				
	ALH	I		12 35 56.1			12 35 56.6			10
	UBE	I		12 35 57.6			12 35 59.5			15
	NIJ	I		12 35 58.0			12 36 00.1			8
	ROD	I		12 36 00.4			12 36 4.3			8
15-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	123555.0			37 02 -02 23	5	0.1				
	ALH	I		12 52 02.8			12 52 3.4			10
	UBE	E	=	12 52 03.5		=	12 52 5.0			15
	NIJ	I		12 52 05.5			12 52 7.6			7
	ROD	I		12 52 07.5			12 52 10.9			7
15-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	125202.3			36 59 -02 25	1	0.1				
	ALH	I		13 21 18.8			13 21 19.3			9
	UBD	I		13 21 20.2			13 21 21.8			14
	NIJ	I		13 21 21.2			13 21 23.5			8
	ROD	I	=	13 21 23.7		=	13 21 27.6			8
15-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	132118.2			36 59 -02 25	3	0.0				
	ALH	I		13 52 22.0			13 52 22.5			13
	UBD	I		13 52 23.8			13 52 25.7			20
	NIJ	I		13 52 24.6			13 52 26.7			10
	ROD	I	=	13 52 27.1		=	13 52 31.1			10
15-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	135221.5			37 02 -02 24	2	0.1				
	ALH	I		16 05 14.8			16 05 15.3			13
	UBD	I		16 05 16.4			16 05 18.9			26
	NIJ	I		16 05 17.2			16 05 19.8			11
	ROD	I		16 05 19.6			16 05 23.9			11
15-SEP	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	160513.7			37 03 -02 25	5	0.1				

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		17 45 15.2			17 45 15.7			7
UBD	I		17 45 16.0			17 45 17.4			22
NIJ	I		17 45 17.0			17 45 19.0			6
ROD	I		17 45 19.4			17 45 22.8			6

15-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	174514.1	36 59	-02 24	5	0.2		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		22 50 03.1			22 50 3.5			12
UBD	I		22 50 04.9			22 50 6.8			22
NIJ	I		22 50 05.5			22 50 8.0			10
ALM	I		22 50 05.8			22 50 8.2			10
ROD	I		22 50 08.1			22 50 12.1			10

15-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	225002.6	37 01	-02 24	3	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		22 57 27.1			22 57 27.4			30
UBD	I		22 57 28.7			22 57 30.4			50
NIJ	I		22 57 29.4			22 57 31.7			30
ALM	I		22 57 29.6			22 57 31.7			25
ROD	I		22 57 31.8			22 57 35.6			40

15-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	225726.6	37 00	-02 24	2	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		23 56 17.7			23 56 18.0			8
UBD	I		23 56 19.0			23 56 20.8			23
NIJ	I		23 56 19.7			23 56 21.7			10
NIJ	I		23 56 22.2			23 56 26.0			10

15-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	235617.0	37 01	-02 23	1	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		09 14 11.8			09 14 12.6			8
UBD	I		09 14 13.6			09 14 16.0			13
NIJ	I		09 14 14.0			09 14 16.4			6
ROD	I		09 14 16.5			09 14 20.8			6

16-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	091410.6	37 04	-02 24	5	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		16 49 36.1			16 49 36.8			10
UBD	I		16 49 37.8			16 49 39.8			17

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
NIJ	I		16 49 37.9			16 49 40.1			10
ROD	I		16 49 40.6			16 49 44.6			21

16-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	164935.1	37 04	-02 22	1	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		17 15 26.3			17 15 26.6			32
UBD	I		17 15 27.7			17 15 29.6			60
NIJ	I	=	17 15 28.2		=	17 15 30.4			40
ALM	I		17 15 28.6			17 15 30.5			30
CAS	I		17 15 29.0			17 15 31.9			15
ROD	I		17 15 30.8			17 15 34.8			70

16-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	171525.6	37 00	-02 25	3	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		18 54 46.6			18 54 47.1			7
UBD	I		18 54 47.5			18 54 49.0			15
NIJ	I		18 54 48.4			18 54 50.4			8
ROD	I	=	18 54 51.3		=	18 54 55.0			15

16-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	185445.7	37 00	-02 23	3	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
UBD	I		19 34 52.9			19 34 53.5			9
UBD	I		19 34 54.4			19 34 56.2			12
NIJ	I		19 34 54.6			19 34 56.6			6
ROD	I	=	19 34 57.4		=	19 35 01.5			15

16-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	193451.9	37 03	-02 22	1	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		22 10 21.3			22 10 21.7			6
UBD	I		22 10 23.1			22 10 25.0			9
NIJ	I		22 10 23.6			22 10 25.8			6
ROD	I		22 10 26.1			22 10 30.1			6

16-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	221020.7	37 02	-02 24	1	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		23 31 02.7			23 31 3.4			8
UBD	E		23 31 04.3			23 31 6.1			13
NIJ	I		23 31 04.7			23 31 6.8			8
ROD	I		23 31 07.4			23 31 11.1			8

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
16-SEP HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS 233102.1	37 02	-02 23	2	0.1					
ALH	I		03 49 11.1			03 49 11.5			6
UBD	I		03 49 12.7			03 49 14.5			12
NIJ	I		03 49 13.0			03 49 15.2			8
ROD	I		03 49 15.6			03 49 19.3			15
17-SEP HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS 034910.3	37 02	-02 23	2	0.1					
ALH	I		13 06 22.9			13 06 23.3			5
TOR	I		13 06 23.7			13 06 25.0			8
UBD	I		13 06 23.9			13 06 25.5			15
NIJ	I		13 06 24.4			13 06 26.5			15
17-SEP HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS 130621.9	37 01	-02 22	3	0.1					
NIJ	I		13 36 00.2			13 36 1.4			8
ROD	I		13 36 00.5			13 36 2.1			15
UBD	I		13 36 00.9			13 36 2.8			26
TOR	I		13 36 01.1			13 36 3.0			10
17-SEP HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS 133558.4	36 56	-02 09	8	0.1					
TOR	I		16 31 52.5			16 31 56.7			18
ALH	I		16 31 53.0			16 31 57.2			11
NIJ	I		16 31 54.1			16 31 58.9			15
UBD	I		16 31 54.4			16 31 59.7			15
ROD	I		16 31 56.6			16 32 03.2			15
17-SEP HO	LAT	LONG	PRO	RMS	MAG	IO			
SSIS 163147.5	37 18	-02 21	10	0.1					
ALH	I		17 51 29.3			17 51 29.6			12
TOR	I		17 51 30.8			17 51 32.2			20
UBD	I		17 51 31.0			17 51 32.6			20
NIJ	I		17 51 31.6			17 51 33.8			15
ROD	I	=	17 51 34.1		=	17 51 38.0			20

EST	I/E	W		HORA P	I/E	W		HORA S	AMP	PER	DUR
17-SEP HO			LAT	LONG	PRO	RMS	MAG	IO			
SSIS 175128.8			37 01	-02 23	1	0.1					
ALH	I			17 53 47.6				17 53 48.0			40
TOR	I			17 53 49.1				17 53 51.0			50
UBD	E	=		17 53 49.4		=		17 53 51.4			70
NIJ	I			17 53 49.8				17 53 52.2			45
CAS	I			17 53 50.5				17 53 53.7			15
ROD	I			17 53 52.3				17 53 56.4			70
17-SEP HO			LAT	LONG	PRO	RMS	MAG	IO			
SSIS 175346.6			37 01	-02 25	5	0.1					
ALH	I			18 15 20.2				18 15 20.5			10
TOR	I			18 15 21.7				18 15 23.1			17
UBD	I			18 15 21.9				18 15 23.8			20
NIJ	I			18 15 22.7				18 15 24.9			20
ROD	I			18 15 24.9				18 15 28.8			20
17-SEP HO			LAT	LONG	PRO	RMS	MAG	IO			
SSIS 181519.2			37 02	-02 24	5	0.2					
ALH	I			18 41 41.7				18 41 42.1			10
TOR	I			18 41 43.0				18 41 44.3			11
UBD	I			18 41 43.4				18 41 45.1			14
ROD	I			18 41 46.1				18 41 49.8			15
17-SEP HO			LAT	LONG	PRO	RMS	MAG	IO			
SSIS 184141.1			37 02	-02 23	1	0.1					
TOR	I			20 22 43.3				20 22 45.0			25
NIJ	I	=		20 22 43.3		=		20 22 45.0			20
UBD	I			20 22 44.4				20 22 47.1			33
ROD	I			20 22 44.6				20 22 46.9			40
ALH	I			20 22 45.1				20 22 47.7			15
17-SEP HO			LAT	LONG	PRO	RMS	MAG	IO			
SSIS 202241.0			37 01	-02 09	11	0.1					
ALH	I			00 26 13.7				00 26 14.1			6
TOR	I			00 26 15.2				00 26 16.7			9
UBD	E			00 26 15.4				00 26 17.0			9

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
18-SEP HO			LAT	LONG	PRO	RMS	MAG	IO	
SSIS 002612.7			37 02	-02 24	5	0.2			
ALH	I		00 26 22.1			00 26 22.6			10
TOR	I		00 26 23.7			00 26 25.2			12
UBD	E		00 26 23.9			00 26 25.6			17
NIJ	I		00 26 24.5			00 26 26.8			10
18-SEP HO			LAT	LONG	PRO	RMS	MAG	IO	
SSIS 002621.6			37 02	-02 24	2	0.1			
ALH	I		03 20 32.9			03 20 33.3			5
TOR	I		03 20 33.7			03 20 35.0			8
UBD	I		03 20 33.9			03 20 35.5			10
NIJ	I		03 20 34.4			03 20 36.5			10
18-SEP HO			LAT	LONG	PRO	RMS	MAG	IO	
SSIS 032031.9			37 01	-02 22	3	0.1			
ALH	I		09 49 03.6			09 49 4.9			7
TOR	I		09 49 04.9			09 49 6.9			12
UBD	E		09 49 05.4			09 49 7.2			15
NIJ	I		09 49 05.8			09 49 8.2			15
18-SEP HO			LAT	LONG	PRO	RMS	MAG	IO	
SSIS 094902.5			37 02	-02 24	7	0.1			
ALH	I		11 35 13.8			11 35 15.2			30
TOR	I		11 35 14.1			11 35 16.0			30
NIJ	I	=	11 35 14.6		=	11 35 17.3			25
UBD	I		11 35 16.0			11 35 18.0			30
18-SEP HO			LAT	LONG	PRO	RMS	MAG	IO	
SSIS 113512.1			37 06	-02 22	5	0.2			
TOR	I		12 39 03.4			12 39 6.1			40
NIJ	I		12 39 03.5			12 39 6.2			35
UBD	I		12 39 05.1			12 39 8.8			55
TAB	I		12 39 05.4			12 39 9.2			45
ALH	I		12 39 05.7			12 39 10.4			20
18-SEP HO			LAT	LONG	PRO	RMS	MAG	IO	
SSIS 123900.0			37 04	-02 02	10	0.1			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TAB	I		14 05 25.5			14 05 26.2			6
ALH	I		14 05 25.6			14 05 25.9			6
TOR	I		14 05 26.7			14 05 28.1			7
UBD	I		14 05 27.0			14 05 28.6			7
NIJ	I		14 05 27.5			14 05 29.5			7

18-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	140524.8	37 01	-02 23	2	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		14 31 12.5			14 31 12.9			6
TAB	I		14 31 12.6			14 31 13.4			6
TOR	I		14 31 14.0			14 31 15.4			7
UBD	I		14 31 14.2			14 31 15.7			7
NIJ	I		14 31 14.8			14 31 16.7			7

18-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	143111.6	37 01	-02 24	5	0.2		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TAB	I		15 27 47.2			15 27 49.1			13
TOR	I		15 27 47.4			15 27 49.2			20
ALH	I		15 27 48.5			15 27 50.8			20
NIJ	I		15 27 49.0			15 27 51.7			13

18-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	152745.3	37 09	-02 18	5	0.2		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TAB	I		16 24 48.3			16 24 49.3			9
ALH	I		16 24 48.4			16 24 49.0			7
CHO	I		16 24 48.8			16 24 49.8			10
TOR	I		16 24 49.5			16 24 51.0			12
UBD	I		16 24 49.9			16 24 51.4			13
NIJ	I		16 24 50.3			16 24 52.3			9

18-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	162447.6	37 01	-02 23	4	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		19 26 05.7			19 26 6.1			8
CHO	I		19 26 06.2			19 26 7.0			10
TOR	I		19 26 07.2			19 26 8.6			12
UBD	I		19 26 07.4			19 26 9.0			12
NIJ	I		19 26 08.0			19 26 10.0			12

18-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	192605.2	37 01	-02 23	1	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		20 25 18.8			20 25 19.5			30
TAB	I		20 25 18.9			20 25 19.8			28
CHO	I		20 25 19.3			20 25 20.5			21
TOR	I		20 25 20.3			20 25 21.9			35
UBD	E		20 25 20.4			20 25 22.1			39
NIJ	I		20 25 21.1			20 25 23.2			30

18-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	202518.0	37 01	-02 24	4	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		23 32 07.2			23 32 7.8			6
TAB	I		23 32 07.4			23 32 8.3			6
CHO	I		23 32 07.8			23 32 8.9			6
TOR	I		23 32 08.8			23 32 10.5			7
UBD	I		23 32 09.1			23 32 10.8			7
NIJ	I		23 32 09.6			23 32 11.9			7

18-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	233206.6	37 01	-02 24	4	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		11 14 33.0			11 14 33.4			8
TAB	I		11 14 33.1			11 14 33.9			12
CHO	I		11 14 33.4			11 14 34.1			24
TOR	I		11 14 34.5			11 14 35.9			15
UBD	I		11 14 34.6			11 14 36.1			15
NIJ	I		11 14 35.1			11 14 37.3			12

19-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	111432.0	37 01	-02 24	5	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		11 26 55.0			11 26 55.6			6
TAB	I		11 26 55.1			11 26 56.0			6
CHO	I		11 26 55.3			11 26 56.1			6
TOR	I		11 26 56.4			11 26 57.8			6
UBD	I		11 26 56.6			11 26 57.8			6
NIJ	I		11 26 57.0			11 26 59.0			6

19-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	112654.1	37 01	-02 23	5	0.2		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		13 07 42.3			13 07 42.7			5
TAB	I		13 07 42.3			13 07 42.9			5
CHO	I		13 07 42.7			13 07 43.7			5
TOR	I		13 07 43.4			13 07 45.0			6
UBD	I		13 07 43.7			13 07 45.5			7

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
19-SEP	HO		LAT	LONG	PRO	RMS	MAG	IO	
SSIS	130741.4		37 01	-02 23	4	0.1			
TAB	I		16 03 24.9			16 03 26.0			9
ALH	I		16 03 25.5			16 03 25.9			9
CHO	I		16 03 26.3			16 03 27.5			7
TOR	I		16 03 27.3			16 03 28.8			7
UBD	I		16 03 27.4			16 03 29.4			7
19-SEP	HO		LAT	LONG	PRO	RMS	MAG	IO	
SSIS	160324.7		37 03	-02 25	3	0.2			
ALH	I		02 23 40.6			02 23 41.2			5
TAB	I		02 23 40.7			02 23 41.9			7
CHO	I		02 23 41.1			02 23 41.6			7
TOR	I		02 23 42.1			02 23 44.0			4
UBD	I	=	02 23 42.4		=	02 23 44.1			4
NIJ	I		02 23 42.4			02 23 44.8			4
20-SEP	HO		LAT	LONG	PRO	RMS	MAG	IO	
SSIS	022339.7		37 00	-02 24	5	0.2			
ALH	I		03 37 02.6			03 37 3.0			7
TAB	I		03 37 02.7			03 37 3.9			11
CHO	I		03 37 03.1			03 37 4.0			13
TOR	I		03 37 04.2			03 37 5.9			3
UBD	E	=	03 37 04.3		=	03 37 6.1			13
NIJ	I		03 37 05.0			03 37 7.2			8
20-SEP	HO		LAT	LONG	PRO	RMS	MAG	IO	
SSIS	033701.9		37 01	-02 24	4	0.1			
TAB	I		04 02 28.1			04 02 29.3			11
ALH	I		04 02 28.2			04 02 28.8			7
CHO	I		04 02 28.5			04 02 29.3			13
TOR	I		04 02 29.1			04 02 30.7			10
UBD	I		04 02 29.3			04 02 30.9			13
NIJ	I	=	04 02 29.7		=	04 02 31.8			10
20-SEP	HO		LAT	LONG	PRO	RMS	MAG	IO	
SSIS	040227.2		37 01	-02 23	5	0.1			
TAB	I		04 19 33.6			04 19 34.5			17

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALH	I		04 19 33.6			04 19 34.0			20
CHO	I		04 19 34.1			04 19 35.1			18
TOR	I		04 19 34.9			04 19 36.4			20
UBD	I		04 19 35.1			04 19 36.9			26
NIJ	I		04 19 35.7			04 19 37.9			15

20-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	041932.8	37 01	-02 24	4	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TAB	I		04 40 01.4			04 40 2.4			17
ALH	I		04 40 01.4			04 40 1.8			17
CHO	I		04 40 01.9			04 40 3.0			15
TOR	I		04 40 02.8			04 40 4.8			17
UBD	I	=	04 40 03.1		=	04 40 5.0			25
NIJ	I		04 40 03.6			04 40 6.0			15

20-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	044000.4	37 01	-02 25	5	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TAB	I		11 03 56.7			11 03 57.8			6
ALH	I		11 03 56.8			11 03 57.3			6
CHO	I		11 03 57.1			11 03 58.1			6
TOR	I		11 03 57.9			11 03 59.7			6
NIJ	I		11 03 58.6			11 04 00.6			6

20-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	110355.7	37 01	-02 23	5	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TAB	I		03 08 25.0			03 08 29.2			30
TOR	I		03 08 25.2			03 08 29.8			40
ALH	I		03 08 25.9			03 08 30.4			30
NIJ	I		03 08 26.6			03 08 31.8			27
UBD	I		03 08 27.3			03 08 32.7			50

22-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	030819.7	37 19	-02 19	14	0.1		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
TOR	I		05 27 08.8			05 27 9.6			25
CHO	I		05 27 09.2			05 27 10.8			15
TAB	I		05 27 09.3			05 27 10.2			16
NIJ	I		05 27 09.3			05 27 10.8			20
ALH	I		05 27 09.5			05 27 10.8			15
UBD	E		05 27 09.6			05 27 10.8			27

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

22-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	052707.6	37 01	-02 18	4	0.1		

	TOR	I		07 45 43.7			07 45 44.6		5
	TAB	I		07 45 44.1			07 45 45.2		11
	NIJ	I		07 45 44.3			07 45 45.5		10
	ALH	I		07 45 44.4			07 45 45.3		10
	CHO	I		07 54 44.1			07 54 45.2		15

22-SEP	HO	LAT	LONG	PRO	RMS	MAG	IO
SSIS	074542.4	37 00	-02 19	5	0.1		

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MINISTERIO DE LA PRESIDENCIA
INSTITUTO GEOGRAFICO NACIONAL
General Ibáñez de Ibero, 3
Apartado 3007. MADRID
Télex 23465 IGCE
ESPAÑA

RED SISMICA NACIONAL

BOLETIN DE SISMOS PROXIMOS

CUARTO TRIMESTRE AÑO 1984

BOLETIN DE SISMOS PROXIMOS CUARTO TRIMESTRE 1.984

INFORMACION Y DATOS DEL BOLETIN

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

EST	Codigo de la estacion
I/E	Fase impulsiva (I) o emergente (E)
W	Peso de la estacion. '*'Peso nulo. '=' Calculado con S-P
HORA P	Hora de llegada de la primera fase
HORA S	Hora de llegada de la fase 'S' correspondiente
AMP	Amplitud del movimiento en micras
PER	Periodo en segundos
DUR	Duracion en segundos

2.- DATOS DE CALCULO HIPOCENTRAL

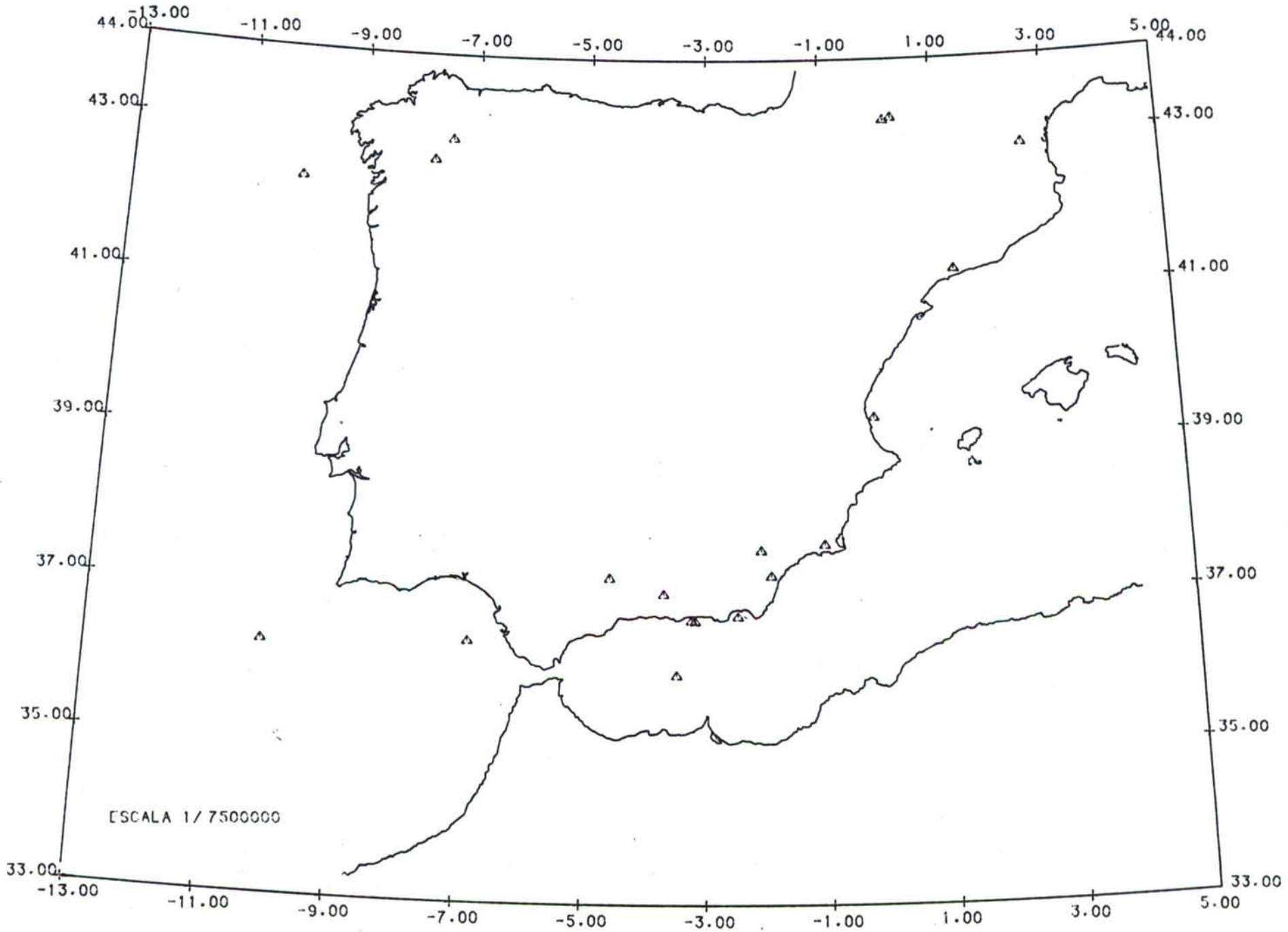
FECHA	Dia y mes
HO	Hora origen (GMT)
LAT	Latitud en grados y minutos. Siempre NORTE
LONG	Longitud en grados y minutos. Signo ('-') OESTE
PRO	Profundidad en Km
RMS	Error cuadratico medio
MAG	Magnitud 'MB' a partir de la fase 'LG'
IO	Intensidad maxima en el epicentro
NO	Numero de observaciones

3.- RESUMEN DE LA ACTIVIDAD SISMICA DEL AREA: Se incluye una lista cronologica con toda la informacion calculada

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

* * * *

F E C H A	H O R A	LONGITUD	LATITUD	PRO	RMS	EH	EZ	NO	AGEN	MAG	INT		LOCALIZACION
1984-10-08	20-04-56.5	01-17.4 E	41-14.3 N	10	0.6	4	7	12	SSIS	3.3	IV		VALLS.T
1984-10-10	03-28-02.8	02-04.9 W	37-36.6 N	5	0.8	11		7	SSIS				VELEZ RUBIO.AL
1984-10-14	03-14-12.0	10-02.8 W	42-19.6 N	5	0.4	14	15	11	SSIS	3.7			ATLANTICO
1984-10-17	17-38-33.5	03-13.9 W	36-41.3 N	5	0.8	3	4	16	SSIS	3.5	III	S	SE.MOTRIL
1984-10-17	23-25-17.6	03-10.3 W	36-40.7 N	8	1.0	6	12	10	SSIS	2.8		R	SE.MOTRIL
1984-10-28	05-13-04.6	00-17.2 E	43-14.3 N	17	0.2	2	5	6	SSIS	3.2			TARBES.FR
1984-10-28	10-16-15.3	01-55.1 W	37-16.7 N	5	0.8			7	SSIS				VERA.AL
1984-11-04	18-40-58.5	03-40.9 W	37-02.0 N	7	0.3	2	7	8	SSIS				PADUL.GR
1984-11-06	22-27-40.8	10-10.9 W	36-17.0 N	5	0.9			24	SSIS	3.9			SW.CABO S.VICENTE
1984-11-07	13-34-25.2	04-34.3 W	37-14.5 N	30	0.5		10	5	SSIS				BENAMEJI.CO
1984-11-12	12-34-36.2	03-28.2 W	35-57.5 N	5	0.7	7	8	9	SSIS	2.6			ALBORAN
1984-11-17	04-10-42.6	00-08.9 E	43-12.6 N	5	0.9	4	5	13	SSIS	3.8	IV		TARBES.FR
1984-11-21	15-21-53.9	02-28.1 W	36-44.6 N	5	0.5	2	2	5	SSIS				GOLFO ALMERIA
1984-11-25	13-37-22.9	07-26.5 W	42-54.6 N	20	0.6			7	SSIS	3.2			SARRIA.LU
1984-11-25	19-45-22.1	07-45.0 W	42-38.3 N	5	0.9			7	SSIS	3.0		R	SARRIA.LU
1984-11-27	04-51-06.4	06-51.7 W	36-23.4 N	28	0.9	8	11	13	SSIS	3.7			GOLFO DE CADIZ
1984-12-01	07-59-00.4	00-10.3 W	39-19.4 N	31	1.3	10		7	SSIS				GOLFO DE VALENCIA
1984-12-02	21-49-10.2	02-35.0 E	42-50.6 N	5	0.3	2	3	15	SSIS	3.9	IV		SAINT PAUL.FR
1984-12-04	18-46-54.9	01-01.9 W	37-40.9 N	5	0.7	12	8	10	SSIS	3.3			CARTAGENA.MU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EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
FBR	I		20 05 08.0	I		20 05 16.8			
EBR	E		20 05 10.0	E		20 05 20.0			
EPF			20 05 27.9						
LGR	E	*	20 05 51.5	E	*	20 06 32.5			140
LPO		*	20 05 51.7		*	20 06 28.0			
CAF			20 05 53.2		*	20 06 34.7			
LFF			20 05 54.8			20 06 35.5			
GUD	I		20 05 58.6	I		20 06 45.7			100
LRG			20 06 02.4						
LMR			20 06 03.6						

08-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	200456.5	41 14	01 17	10	0.6	3.3	IV	VALLS.T

SMO	I		03 28 25.5						
PHE	I		03 28 29.1						
ACU	E		03 28 29.6						30
LOJ	I		03 28 31.0						
TOL	E		03 28 46.0	E	*	03 29 25.0			65
GUD	I		03 28 57.3	E		03 29 35.0			70

10-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	032802.8	37 37	-02 05	5	0.8			VELEZ RUBIO.AL

PTO	I		03 14 39.8	I		03 15 01.4			
STS	E	*	03 14 44.0	E		03 14 51.0			63
MCV	I	=	03 14 46.0	I	=	03 15 16.6			
COI	I		03 14 51.3	I		03 15 20.4			
MTE	I		03 14 54.5	I		03 15 27.4			
GUD	I		03 15 24.2	I		03 16 17.0			120
TOL	E	*	03 15 27.0	E	*	03 15 58.0			
EPF		*	03 16 06.8			03 17 28.5			
MFF		*	03 16 09.8		*	03 17 35.8			
LPF		*	03 16 12.6		*	03 17 41.3			

14-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	031412.0	42 20	-10 03	5	0.4	3.7		ATLANTICO

PHE	I		17 38 42.4						
ALM	I		17 38 43.7	I	*	17 38 49.7	2.55	0.8	150
CRT	I		17 38 44.4						
SMO	I		17 38 47.4						
ALR	I		17 38 48.0	I		17 38 58.0			
LOJ	I		17 38 48.5						
MAL	I		17 38 50.3	I		17 39 03.0	0.72	0.3	140
ACU	E	*	17 39 21.0						95

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
	TOL	E		17 39 24.0	I	*	17 40 05.5	0.11	0.8	
	PRL	E		17 39 36.0	I	*	17 40 46.0			
	GUD	I		17 39 36.3	E		17 40 21.0			150
	MOT	E		17 39 42.5	I	*	17 40 35.0			
	MCV	I	*	17 39 46.6	I	*	17 41 18.0			
	MTE	E		17 39 49.7	I	*	17 41 15.5			
	LGR	E	*	17 39 52.0	I		17 41 03.0	0.12	3.0	235

17-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	173833.5	36 41	-03 14	5	0.8	3.5	III	SE.MOTRIL

	PHE	I		23 25 27.3						
	ALM	I		23 25 28.8	I		23 25 35.1	0.73	0.8	84
	CRT	I		23 25 30.1						
	ALR	I		23 25 33.0	I		23 25 41.0			
	LOJ	I		23 25 33.4						
	MAL	I		23 25 35.3	I		23 25 47.8	0.23	0.7	97
	SMO	I	*	23 25 35.3						
	TOL	E	=	23 26 20.0	E	=	23 26 59.0	0.02	0.8	110

17-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	232517.6	36 41	-03 10	8	1.0	2.8		SE.MOTRIL

	LPO		05 13 31.0							
	CAF		05 13 37.9							
	LGR	I	05 13 39.3	I		05 14 05.0				75
	FBR		05 13 40.2			05 14 07.2				

28-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	051304.6	43 14	00 17	17	0.2	3.2		TARBES.FR

	ALM	I	10 16 26.7	I		10 16 34.0	0.40	0.9	85
	CRT	E	10 16 39.0	I	*	10 17 00.9			
	MAL	I	10 16 51.5	I	*	10 17 21.8	0.10	0.6	73
	TOL	E	10 17 03.5	E	*	10 17 38.0	0.02	0.6	95
	GUD	E	10 17 13.0	E		10 17 57.5			

28-OCT	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	101615.3	37 17	-01 55	5	0.8			VERA.AL

	PHE	I	18 41 00.5							
	CRT	I	18 41 01.8	E		18 41 04.0				
	SMO	I	18 41 04.0	I		18 41 08.7				
	LOJ	I	18 41 04.3	I		18 41 09.8				
	MAL	E	* 18 41 15.0	I		18 41 20.0				

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
04-NOV	**HO**		**LAT LONG**	**PRO**	**RMS**	**MAG IO**			
SSIS	184058.5		37 02 -03 41	7	0.3		PADUL.GR		
FAR	E		22 28 14.5	I	*	22 28 40.2			
MFG			22 28 15.6			22 28 40.3			
MFG	I		22 28 15.6	I		22 28 40.5			
MOT	I		22 28 24.7	I		22 28 56.5			
COI	I		22 28 44.7						
MAL	I		22 28 50.3	I	*	22 29 42.5	0.19	0.7	83
MCV	I	*	22 28 52.5	I	*	22 29 42.5			
PTO	I		22 28 54.0	I		22 29 51.0			
LOJ	I		22 28 54.9						
MTE	I	*	22 28 55.8	I		22 29 42.5			
PHE	I		22 28 58.5	I		22 30 00.0			
SMO	I		22 28 58.8						
CRT	I		22 29 00.8	I	*	22 30 07.0			
TOL	E		22 29 11.0	I		22 30 17.0	0.06	1.0	140
GUD	I		22 29 14.9	I		22 30 26.5			
LGR	E		22 29 46.0	I		22 31 19.0			240
EPF		*	22 30 02.9			22 32 05.5			
LFF		*	22 30 21.2						
CAF		*	22 30 30.3						
EBR	E	*	22 31 41.0						
06-NOV	**HO**		**LAT LONG**	**PRO**	**RMS**	**MAG IO**			
SSIS	222740.8		36 17 -10 11	5	0.9	3.9	SW.CABO S.VICENTE		
LOJ	I		13 34 33.2						
MAL	I		13 34 36.3	I		13 34 43.0	0.74	0.3	26
SMO	I	*	13 34 37.3						
PHE	I		13 34 38.2						
CRT	E	*	13 34 48.7	E		13 34 49.9			
07-NOV	**HO**		**LAT LONG**	**PRO**	**RMS**	**MAG IO**			
SSIS	133425.2		37 14 -04 34	30	0.5		BENAMEJI.CO		
ALR	E		12 34 41.5	E		12 34 48.0			58
PHE	I		12 34 54.4						
MAL	I		12 34 55.5				0.16	0.7	100
LOJ	I		12 35 00.1						
SMO	I		12 35 02.4						
ALM	I	*	12 35 04.4	I		12 35 14.4	0.32	1.2	95
TOL	E		12 35 36.5				0.01	0.8	125
GUD	E		12 35 47.0						

	EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
12-NOV	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	123436.2			35 57 -03 28	5	0.7	2.6	ALBORAN		
	EPF			04 10 45.0						
	LPO			04 11 11.4			04 11 33.4			
	CAF			04 11 18.0						
	LGR	E	*	04 11 20.5	I		04 11 44.0	0.21	0.9	105
	FBR	I		04 11 22.0	I		04 11 49.0			
	EBR	E		04 11 23.5	E		04 11 51.5			
	MFF			04 11 35.8						
	TCF			04 11 36.1						
	GUD	I		04 11 44.8						110
	TOL	E		04 11 51.0	E	*	04 12 40.0	0.02	0.6	100
17-NOV	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	041042.6			43 13 00 09	5	0.9	3.8 IV	TARBES.FR		
	ALM	I		15 21 55.5	I		15 21 57.5	3.53	0.5	92
	PHE	I		15 22 11.8						
	SMO	E		15 22 14.5						
	LOJ	E		15 22 19.7						
21-NOV	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	152153.9			36 45 -02 28	5	0.5		GOLFO ALMERIA		
	MCV	I	*	13 37 30.0	I	*	13 37 49.0			
	STS	E		13 37 38.0	E	*	13 37 53.0			102
	MTE	E	*	13 37 53.0	I		13 38 30.0			
	PTO	E		13 37 53.5	E		13 38 17.7			
	COI	E	=	13 38 09.5	E	=	13 38 42.7			
	LGR	E		13 38 18.3	I	*	13 39 02.8	0.18	1.0	140
	TOL	E	=	13 38 26.0	I	=	13 39 10.5	0.03	0.5	80
25-NOV	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	133722.9			42 55 -07 26	20	0.6	3.2	SARRIA.LU		
	MCV	I	=	19 45 26.5	I	=	19 45 46.5			
	STS	E		19 45 34.0	E	*	19 45 58.0			86
	PTO			19 45 48.9		*	19 46 13.3			
	MTE	E		19 45 57.6	I		19 46 27.0			
	TOL	E		19 46 23.0	E		19 47 06.0	0.02	0.6	80
25-NOV	HO			LAT LONG	PRO	RMS	MAG IO			
SSIS	194522.1			42 38 -07 45	5	0.9	3.0	SARRIA.LU		

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
SFS	I	=	04 51 24.0	I	=	04 51 33.0			115
LOJ	E		04 51 42.2						
MAL	I	*	04 51 42.3	I		04 52 01.3	0.61	0.4	125
PHE	I		04 51 45.7	I	*	04 51 51.7			
CRT	E		04 51 46.2						
TOL	E	=	04 52 13.0	I	=	04 52 57.5	0.15	0.9	200
GUD	I		04 52 15.6	E		04 53 07.5			230
TOL	E	=	04 52 21.0	I	=	04 53 06.5	0.15	0.9	200
VIV	I		04 52 22.2						
PTO		*	04 52 23.3	I		04 53 12.7			
ALM	I	=	04 52 23.6	I	=	04 53 03.2	0.13	0.8	70
LGR	E	*	04 52 37.0	E	*	04 53 55.3	0.26	1.1	250
EPF			04 53 09.0		*	04 54 39.5			
STS	E	*	04 54 01.0	E	*	04 54 33.0			110

27-NOV	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	045106.4	36 23	-06 52	28	0.9	3.7		GOLFO DE CADIZ

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ACU	E		07 59 13.0	E		07 59 27.0			57
EBR	E		07 59 25.0	E		07 59 44.0			
TOL	E	=	07 59 46.0	E	=	08 00 18.0	0.02	0.8	70
GUD	E		07 59 49.0	E		08 00 28.5			

01-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	075900.4	39 19	-00 10	31	1.3			GOLFO DE VALENCIA

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
FBR	I		21 49 36.2			21 49 55.2			
EPF			21 49 38.1						
LPO			21 49 45.0						
CAF			21 49 45.5			21 50 10.8			
LFF			21 49 50.4						
RJF			21 49 51.2		*	21 50 20.4			
LRG			21 49 55.2						
EBR	E	=	21 49 56.0	E	=	21 50 28.0			
LMR			21 49 56.2						
FRF			21 49 58.0						
MZF			21 50 02.8						
TCF			21 50 03.8						
LSF			21 50 04.2						

02-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	214910.2	42 51	02 35	5	0.3	3.9	IV	SAINT PAUL.FR

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
ALI	E		18 47 10.1	E	*	18 47 22.3	2.90	1.0	97
ALM	I	=	18 47 18.4	I	=	18 47 38.0	0.28	1.0	98
CRT	I		18 47 30.0	I	*	18 47 58.1			

EST	I/E	W	HORA P	I/E	W	HORA S	AMP	PER	DUR
PHE	E		18 47 30.6						
LOJ	E		18 47 35.0						
TOL	E	*	18 47 38.0	E	*	18 48 11.0	0.07	0.8	150
MAL	I	*	18 47 48.5	I	*	18 48 24.0	0.15	0.8	72
EBR	E	=	18 47 59.5	E	=	18 48 38.0			
MCV	I	*	18 47 59.5		*	18 49 35.1			
GUD	I	=	18 48 01.5	E	=	18 48 46.0			130
LGR	E	=	18 48 05.0	E	=	18 49 00.5	0.11	0.9	200
EPF			18 48 15.6						
MTE	E	*	18 48 37.0		*	18 49 49.6			
CAF			18 48 44.2						

04-DIC	HO	LAT	LONG	PRO	RMS	MAG	IO	
SSIS	184654.9	37 41	-01 02	5	0.7	3.3		CARTAGENA.MU

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