

INSTITUTO GEOGRAFICO NACIONAL

**SECCION DE
SISMOLOGIA E INGENIERIA SISMICA**

**BOLETIN
DE SISMOS PROXIMOS**
(Zona de 35° N a 44° N y de 10° W a 5° E Gr)

AÑO 1979

INSTITUTO GEOGRAFICO NACIONAL DE ESPANA

BOLETIN DE SISMOS PROXIMOS 1979

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I. INTRODUCCION

LA SECCION DE SISMOLOGIA E INGENIERIA SISMICA (SSIS), ANTERIORMENTE (LCSS) TIENE ENCOMENDADA LA MISION DEL CALCULO DE PARAMETROS DE LOS TERREMOTOS OCURRIDOS EN LA ZONA COMPRENDIDA ENTRE LOS PARALELOS 35-44 NORTE Y LOS MERIDIANOS 10 OESTE A 5 ESTE.

LA SSIS RECIBE LA INFORMACION PROCEDENTE DE LA RED NACIONAL DEL INSTITUTO GEOGRAFICO NACIONAL, DE LOS OBSERVATORIOS ESPANOLAS NO DEPENDIENTES DE ESTA RED Y DE LOS CORRESPONDIENTES A PORTUGAL, FRANCIA, MARRUECOS Y ARGELIA QUE CONTENGAN INFORMACION RELATIVA AL AREA CITADA. AGRADECEMOS MUY SINCERAMENTE SU COLABORACION SIN LA CUAL NO SERIA POSIBLE LA CONFECCION DE ESTE BOLETIN.

DIRECCION

INSTITUTO GEOGRAFICO NACIONAL
SECCION DE SISMOLOGIA E ING. SISMICA
APT. 3007 , MADRID-3 ESPANA
TELEFONO 2333000
TELEX 23465 IGC E

II. ORGANIZACION Y METODOS DE LA RED SISMOLOGICA

 LA SSIS RECIBE LA INFORMACION POR TELEGRAFO Y TELEX PROCEDENTE DE LA RED DE OBSERVATORIOS ESPAÑOLES, COMPLEMENTANDOSE POSTERIORMENTE CON BOLETINES QUINCENALES DE LOS OBSERVATORIOS EXTRANJEROS, CON ESTA INFORMACION SE REALIZA UNA DETERMINACION PRELIMINAR, INVESTIGANDOSE CON MAYOR DETALLE AQUELLOS SISMOS MAS IMPORTANTES.

CUANDO EXISTE UN AREA MACROSISMICA, SE ENVIAN CUESTIONARIOS A LA ZONA EPICENTRAL EVALUANDOSE LA INTENSIDAD DE CADA PUNTO OBSERVADO, DEDUCIENDOSE EL MAPA DE ISOSISTAS CORRESPONDIENTE, LA ESCALA UTILIZADA ES LA M.S.K. DE 1964.

LA SSIS DISPONE ADEMAS, DE UNA RED DE ACELEROGRAFOS SMA=2, CON REGISTRO EN CINTA MAGNETICA, DISTRIBUIDOS EN ZONAS DE INTERES Y QUE EN CASO DE MOVIMIENTOS FUERTES REGISTREN ACELERACION DEL SUELO.

EXISTE UN INTERCAMBIO DE DATOS CON OTROS CENTROS REGIONALES A LOS CUALES LA SSIS SUMINISTRA INFORMACION, EL ENLACE CON TODOS LOS CENTROS REGIONALES COMO INTERNACIONALES SE REALIZA POR TELEX CON EL CENTRO EL CENTRO INTERNACIONAL DE ESTRASBURGO, EL CUAL A SU VEZ ENVIA LA INFORMACION AL CENTRO INTERNACIONAL DE SISMOLOGIA EN NEWBURY (GB) Y AL SERVICIO NACIONAL DE TERREMOTOS DE BOULDER, COLORADO, EEUU, LOS DATOS DE ESTAS AGENCIAS INTERNACIONALES, PARA TERREMOTOS DE LA ZONA SON INCLUIDOS EN ESTE BOLETIN, AUNQUE EN NUESTRO ARCHIVO QUEDAN CATALOGADOS EN FUNCION DE LOS DATOS CALCULADOS POR LA SSIS.

POR ULTIMO CABE DESTACAR QUE ESTA RED ESTA ORIENTADA POR SU NATURALEZA A DETECCION DE TERREMOTOS CON MAGNITUDES $M_b > 3.5$ Y QUE POR TANTO NO ES POSIBLE LOCALIZAR LA SISMICIDAD LOCAL DE PEQUENA MAGNITUD, LA SSIS DISPONE DE UNA RED PORTATIL DE NUEVE SISMOGRAFOS QUE ES UTILIZADA PARA ESTUDIOS LOCALES DE CORTA DURACION Y ESTA PREVISTA CONTINUAMENTE PARA EL DESPLAZAMIENTO RAPIDO A UNA DETERMINADA ZONA DE OCURRENCIA DE UN TERREMOTO CON EL FIN DE ESTUDIAR LA SERIE DE REPLICAS ASOCIADA.

EL CALCULO DE PARAMETROS HIPOCENTRALES SE REALIZA MEDIANTE AJUSTE DE MINIMOS CUADRADOS CON EL PROGRAMA HYP071 DE W.H.K. LEE Y J.C. LAHR.

EL MODELO DE CORTEZA UTILIZADO ES

MODELO

VEL (KM/S) PROF(KM) ESPESOR(KM)

5,6	0,0	10,0
6,6	10,0	30,0
7,6	40,0	

LA MAGNITUD DETERMINADA POR LA BSIS CORRESPONDE A LA FASE LG Y ESTA CALCULADA CON LAS ESTACIONES DE LA RED QUE REGISTRAN LA CITADA FASE. LA EXPRESION UTILIZADA ESTA DEDUCIDA PARA COINCIDIR EN EL RANGO DE MAGNITUDES DE 4,5 A 5,5 CON LA MB DADA POR CENTRO DE SIMBOLOGIA DE BOULDER (NEIS). EN EL CASO DE ESTUDIOS DE MICROSISMICIDAD SE HA OBTENIDO UNA EXPRESION EN FUNCION DE LA DURACION, DE TAL FORMA QUE COINCIDA EN EL RANGO DE MAGNITUDES COMUN CON LA MB DEDUCIDA A PARTIR DE LA ONDA LG. EN ESTOS CASOS LA MAGNITUD VIENE REPRESENTADA COMO ML.

LOS PARAMETROS QUE APARECEN EN ESTE BOLETIN SON LOS SIGUIENTES

A. DATOS DE ESTACIONES.

STA ABREVIATURA DE LA ESTACION
 PRK INDICA EL CARACTER DE P (E=EMERGENTE, I=IMPULSION), TIENE EN CUENTA EL PESO ASIGNADO A LA LECTURA (BLANCO=PESO TOTAL) Y ADEMÁS SI EL PRIMER MOVIMIENTO ES (C=COMPRESION, D=DILATACION)
 HMS HORA, MINUTO Y SEGUNDO
 SRM IDENTICO PARA LA ONDA S
 AMP AMPLITUD EN MICRONES
 PER PERIODO EN SEGUNDOS
 STA-COR CORRECCION DE ESTACION EN SEGUNDOS
 DUR DURACION DEL SISMO EN SEGUNDOS
 * SIGNIFICA QUE LA FASE CORRESPONDIENTE HA SIDO IDENTIFICADA COMO DE ORIGEN ARTIFICIAL

B. DATOS HIPOCENTRALES

H/M/S HORA Y SEGUNDO DEL TIEMPO ORIGEN DEL TERREMOTO
 LAT LATITUD EN GRADOS, MINUTOS Y DECIMAS
 LONG LONGITUD EN GRADOS, MINUTOS Y DECIMAS
 PROF PROFUNDIDAD
 MAG MAGNITUD MB OBTENIDA CON LA FASE LG
 RMS DESVIACION TIPICA DE LA SOLUCION
 ERH ERROR ESTANDARD DEL EPICENTRO EN KM
 ERZ ERROR ESTANDARD DE LA PROFUNDIDAD EN KM
 NES NUMERO DE LECTURAS DE P Y S UTILIZADAS
 IO INTENSIDAD MAXIMA EN EL EPICENTRO
 + INFORMACION MACROBISMICA

C. DATOS AGENCIAS

SBIS SECCION DE SISMOLOGIA E INGENIERIA SISMICA, MADRID
 NEIS NATIONAL EARTHQUAKE INFORMATION SERVICE, BOULDER
 CSEM CENTRO SISMOLOGICO EUROPEO-MEDITERRANEO, STRASSBOURG
 LDG LABORATORIO DE DETECCION Y DE GEOFISICA, PARIS
 SPGM SERVICIO DE FISICA DEL GLOBO DE MARRUECOS, RABAT
 IMGP INSTITUTO DE METEOROLOGIA Y GEOFISICA DE PORTUGAL, LISBOA
 PIST INFORMACION FACILITADA POR P. STHAL PAU

III. OBSERVATORIOS DEPENDIENTES DEL I.G.N. Y COLABORADORES

NOMBRE	ABREV	LATITUD	LONGITUD	ALTITUD
ALBORAN	ALR	35-56-35 N	03-02-10 W	10,0
ALFACAR	ALC	37-15-45 N	03-31-36 W	1490,0
DESDE 1/7/80	ALC	37-15-15 N	03-32-38 W	1515,0
ALICANTE	ALI	38-21-19 N	00-29-14 W	35,0
CANALOBRE	ALI	38-30-38 N	00-24-41 W	660,0
ALMERIA	ALM	36-51-09 N	02-27-35 W	65,0
CARTUJA	CRT	37-11-24 N	03-35-54 W	774,0
EBRO	EBR	40-49-12 N	00-29-36 E	50,0
FABRA	FBR	41-25-00 N	02-00-00 E	405,0
GUADARRAMA	GUD	40-38-34 N	04-09-14 W	1393,0
LOGRONO	LGR	42-27-28 N	02-30-12 W	446,0
MALAGA	MAL	36-43-39 N	04-24-40 W	60,0
SAN FERNANDO	SFS	36-27-42 N	06-12-18 W	24,0
SANTIAGO	STS	42-53-09 N	08-33-09 W	251,0
TABURIENTE	TBT	28-40-45 N	17-54-52 W	180,0
TENERIFE	TEN	28-27-51 N	16-14-43 W	1,0
TOLEDO	TOL	39-52-53 N	04-02-55 W	480,5
VALVERDE	VVD	27-48-26 N	17-54-40 W	540,0

 IV. EQUIPOS EN OPERACION DEL INSTITUTO GEOGRAFICO NACIONAL

TIPO	COMPONENTES	OBSERVATORIOS
STANDARD-LP	Z, N-S, E-W	TOL, MAL
STANDARD-SP	Z, N-S, E-W	TOL, MAL
HILLER-STUTT GART	Z, N-S, E-W	ALI, ALM, LGR, TEN, CRT
SPRENGNETHR	Z, N-S, E-W	SFS
WIECHERT MODIF	Z, N-S, E-W	TOL
MAINKA MODIF	Z	ALM
MAINKA MODIF	N-S, E-W	ALI, ALM
TELEDYNE GEOTECH	Z, N-S, E-W	GUD
GEOTECH-SPRENGNETHR	Z, N-S, E-W	VVD, TBT
WILLMORE-LENNARTZ	Z, N-S, E-W	STS
KINEMATICS	Z	ALI, ALC
MARK-LENNARTZ	Z	ALR

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                P                S
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MES DIA  STA PRK  H M S  SRM  H M S  AMP PER STA=COR DUR
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LDG 4= ENE-1979 H/M/S=23-10-2.7
 LAT N=43-06.0 LON W=00-30.0 PROF= . KM MAG=2.9
 RMS= . ERH= . KM ERZ= . KM NES= IO=

DLORDN STE MARIE-FRANCIA

ENE- 5 EBR E 17 21 0.0 E 17 21 26.5

LDG 5= ENE-1979 H/M/S=17-20-12.8
 LAT N=43-06.0 LON W=00-30.0 PROF= 5.0 KM MAG=3.6
 RMS= . ERH= . KM ERZ= . KM NES= IO=

DLORDN STE MARIE-FRANCIA

SPGM 5= ENE-1979 H/M/S=22-16-0.0
 LAT N=35-18.0 LON W=04-30.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

E PUNTA DE PESCADORES-ALBORAN

SPGM 6= ENE-1979 H/M/S=16-1-18.0
 LAT N=35-18.0 LON W=02-48.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

E MELILLA-ALBORAN

ENE- 10 LGR E 13 0 58.0 I 13 5 20.5 0.3 1.0

 P S

 MES DIA STA PRK H M S SRM H M S AMP PFH STA=COR DUR

LDG 10- ENE-1979 H/M/S=13- 4-25.6
 LAT N=43-24.0 LON W=00-42.0 PROF= 20.0 KM MAG=3.4
 RMS= . ERH= . KM ERZ= . KM NES= IO=

ORTHFZ=FRANCIA

SPGM 13- ENE-1979 H/M/S=14-25-16.0
 LAT N=36-24.0 LON W=08-54.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

S C S VICENTE-ATLANTICO

ENE- 16

ALC		0 56 48.0			
ARR	I	0 56 22.0			
EBR	E	0 56 43.2			
EPF		0 56 37.0	0 58 8.2		
COI	I	0 55 59.1	0 57 40.6		
GUD	I	0 56 6.5	0 56 57.3		
LFF		0 56 43.6	0 58 29.0		
LGR	E C	0 56 13.0	0 56 41.5		
LPF		0 56 53.0	0 58 54.6		
LPO		0 56 46.5	0 58 40.4		
MFF		0 56 45.8	0 58 36.9		
MTE	E	0 55 54.5	0 57 26.3		
PTD		0 55 47.9			
STS	I	0 55 36.7	0 56 27.4		
TOL	C	0 56 25.3	0 57 48.3	0.2	0.9

SSIS 16- ENE-1979 H/M/S= 0-55-18.8
 LAT N=42-49.3 LON W=07-09.5 PROF= 60.0 KM MAG=3.6
 RMS= 1.1 ERH= 9.2 KM ERZ= . KM NES= 14 IO=

NEIS 16- ENE-1979 H/M/S= 0-55-12.7
 LAT N=42-54.0 LON W=06-57.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 24 IO=

MES DIA	STA PRK	P			SRM	S			AMP	PER	STA-COR	DIIR
		H	M	S		H	M	S				

CSEM 16- ENE-1979 H/M/S= 0-55-14,5
 LAT N=42-54,0 LON W=07-04,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 29 IO=

LUG 16- ENE-1979 H/M/S= 0-55-19,0
 LAT N=43-06,0 LON W=06-48,0 PROF= . KM MAG=3,9
 RMS= . ERH= . KM ERZ= . KM NES= IO=

RECERREA-LU
 III FN PONSAGRADA Y FOLGOSO DE CAUREL
 V FN PUERTO MARIN
 VI FN CASTROVPROF

ENE- 20

ALC	I	9	53	7,8	5	53	17,5				
ALI	E	5	53	48,3							
ALM	I D	5	53	18,9	5	53	48,8				
ALR	I	5	53	27,5	I	5	54	3,0			
COI		5	54	19,5		5	56	0,2			
CRT	I	5	53	8,8		5	53	19,1			
IFR	I	5	54	8,0		5	55	1,5			
TEC	I	5	53	51,0							
TOL	I C	5	53	54,0		5	55	24,0	0,1	0,7	

SSIS 20- ENE-1979 H/M/S= 5-53- 6,5
 LAT N=37-05,0 LON W=03-17,8 PROF= 1,0 KM MAG=3,3
 RMS= 2,3 ERH= 8,3 KM ERZ= . KM NES= 9 IO=

NEIS 20- ENE-1979 H/M/S= 5-53- 5,1
 LAT N=37-02,0 LON W=03-22,0 PROF= . KM MAG= .
 RMS= 1,9 ERH= . KM ERZ= . KM NES= 5 IO=

SIERRA NEVADA-GR
 III EN PANTANO DE QUENTAR(CRT)

LUG 22- ENE-1979 H/M/S=19-14-52,6
 LAT N=43-42,0 LON E=02-24,0 PROF= . KM MAG=2,4
 RMS= . ERH= . KM ERZ= . KM NES= IO=

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                P                S
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MES DIA  STA PRK  H  M  S      SRM  H  M  S      AMP PFR STA-COR  DUH
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CASTRES-FRANCIA

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ENE- 26  MAL  E      6 11 17,0  E      6 11 37,5
SPGM    26-  ENE-1979  H/M/S= 6-10-41,5
        LAT N=34-54,0  LON W=04-30,0  PROF= 33,0 KM  MAG= .
        RMS= .        ERH= .  KM  FRZ= .  KM  NES=  IO=

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TARGUIST-MARRUECOS

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ENE- 27  MAL  E      2 59 32,5  E      2 59 42,0
SPGM    27-  ENE-1979  H/M/S= 2-58-48,5
        LAT N=35-00,0  LON W=04-48,0  PROF= 33,0 KM  MAG= .
        RMS= .        ERH= .  KM  FRZ= .  KM  NES=  IO=

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HAB BERRET-MARRUECOS

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LDG     27-  ENE-1979  H/M/S=21- 2-56,7
        LAT N=42-54,0  LON E=07-06,0  PROF= .  KM  MAG=2,7
        RMS= .        ERH= .  KM  FRZ= .  KM  NES=  IO=

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QUILLAN-FRANCIA

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LDG     2-  FEB-1979  H/M/S=19-33-34,3
        LAT N=43-00,0  LON F=00-12,0  PROF= .  KM  MAG=3,3
        RMS= .        ERH= .  KM  FRZ= .  KM  NES=  IO=

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BAGNÈRES DE BIGORRE-FRANCIA

 P S

 MES DIA STA PRK H M S SRM H M S AMP PER STA-COR DUR

FEB- 4 GUD I 1 36 8,7

SPGM 4- FEB-1979 H/M/S= 1-34-37,0
 LAT N=36-12,0 LON W=09-18,0 PROF= 33,0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

S C S VICENTE-ATLANTICO

FEB- 5 EHR E 21 51 46,5 E 21 52 56,0

GUD I 21 52 19,2
 LGR E 21 51 56,0
 TOL E 21 52 12,0

0,1 1,0 130

SSIS 5- FEB-1979 H/M/S=21-51-29,6
 LAT N=41-34,6 LON W=00-23,6 PROF= 40,0 KM MAG=2,9
 RMS= 2,7 ERH= . KM ERZ= . KM NES= 4 IO=

PINA DE EBRO-Z

FEB- 5 ALM I 22 52 50,7 22 53 53,0

AVE I 22 53 31,0 I 22 54 50,0

CRT E C 22 52 41,5

COI I 22 53 36,5 I 22 55 3,2

EBR E 22 53 45,0 22 55 26,5

EPF 22 54 8,1 22 55 30,1

GUD I 22 53 24,7

HAD I 22 53 37,0

IFR I 22 53 17,0 I 22 54 12,0

LIS I C 22 53 32,6 E 22 54 52,6

LGR I C 22 53 50,6 I 22 55 43,7 0,1 0,4

LPO 22 54 31,5 22 56 34,5

MAL I 22 52 37,3

MTE I 22 53 34,0 22 54 57,3

PYO I 22 53 47,9 22 55 53,7

SFS E 22 53 0,0 I 22 53 18,5

STS I 22 54 6,5 22 55 27,2

TAF I 22 53 4,0 I 22 53 34,5

TEC I 22 53 11,0 22 53 51,5

TOL I D 22 53 14,0 I 22 54 3,5 0,2 0,4 320

 P S

 MES DIA STA PRK H M S SRM H M S AMP PER STA=COR DUR

SSIS 5- FEB-1979 H/M/S=22-52-28,6
 LAT N=36-46,0 LON W=04-05,6 PROF= 60,0 KM MAG=3,6
 RMS= 0,6 ERH= 2,7 KM ERZ= , KM NES= 22 IO=

NEIS 5- FEB-1979 H/M/S=22-52-24,6
 LAT N=36-52,0 LON W=03-55,0 PROF= 33,0 KM MAG= ,
 RMS= 1,1 ERH= , KM ERZ= , KM NES= 31 IO=

CSEM 5- FEB-1979 H/M/S=22-52-27,0
 LAT N=36-50,0 LON W=04-01,0 PROF= , KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= 33 IO=

LDG 5- FEB-1979 H/M/S=22-52-29,2
 LAT N=37-06,0 LON W=03-54,0 PROF= , KM MAG=4,2
 RMS= , ERH= , KM ERZ= , KM NES= IO=

SPGM 5- FEB-1979 H/M/S=22-52-27,0
 LAT N=36-18,0 LON W=04-06,0 PROF= , KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= IO=

IMGP 5- FEB-1979 H/M/S=22-52-27,0
 LAT N=37-12,0 LON W=03-30,0 PROF= , KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= IO=

VELEZ MALAGA-MA
 III EN MALAGA

LDG 7- FEB-1979 H/M/S=16-33-51,1
 LAT N=43-24,0 LON F=02-12,0 PROF= , KM MAG=2,4
 RMS= , ERH= , KM ERZ= , KM NES= IO=

CARCASSONNE-FRANCIA

SPGM 9- FEB-1979 H/M/S= 3-27-47,5
 LAT N=35-48,0 LON W=08-30,0 PROF= 33,0 KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= IO=

S C S VICENTE-ATLANTICO

 P S

 MES DIA STA PRK H M S SRM H M S AMP PER STA=COR DUR

SPGM 9- FEB-1979 H/M/S=8-25-8,0
 LAT N=36-06,0 LON W=09-18,0 PROF= 33,0 KM MAG= .
 RMS= . ERH= . KM FRZ= . KM NES= 10=

S C S VICENTE-ATLANTICO

IMGP 10- FEB-1979 H/M/S=22-19-3,0
 LAT N=40-48,0 LON W=07-30,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 10=

AGUIAR DA BEIRA-PORTUGAL

FEB= 13 CRT E 23 24 6,5 E 23 24 18,5
 GUD E 23 25 5,3 E 23 25 46,6
 MAL I C 23 24 5,0 E 23 24 15,0
 TOL I D 23 24 52,5 I 23 26 19,5 0,1 0,9 100

SSIS 13- FEB-1979 H/M/S=23-23-58,7
 LAT N=36-43,7 LON W=03-58,8 PROF= 10,0 KM MAG=3,3
 RMS= 3,1 ERH= . KM ERZ= . KM NES= 8 10=

TORROX-MA

FEB= 15 COI I 10 12 40,2 I 10 14 3,7
 EBR 10 13 28,5
 EPF 10 13 23,3
 GUD I 10 12 48,5
 GHR 10 13 40,3 10 15 31,8
 LFF 10 13 28,3
 LGR E 10 12 55,3 I 10 14 31,3 5,1 1,6
 LIS 10 13 19,2 10 14 28,2
 LPD 10 13 31,9 10 15 13,4
 MAL E D 10 13 41,7 I 10 15 26,7
 MTE I 10 12 36,3 10 13 50,7
 PTO I 10 12 28,4 10 13 1,4
 STS I 10 12 16,5 I 10 12 43,0
 TOL E 10 12 57,0 I 10 14 38,0 1,0 0,6 400

MES DIA	STA	PRK	P			S			AMP	PFR	STA-COR	DUR
			H	M	S	SKM	H	M				
	SSIS	15- FEB-1979	H/M/S=10-12- 1.2									
			LAT N=42-53.2	LON W=07-27.4		PROF= 40.0 KM	MAG=4.5					
			RMS= 5.4	ERH=41.6 KM		ERZ= . KM	NFS= 14 IO= V					
	NEIS	15- FEB-1979	H/M/S=10-11-55.0									
			LAT N=42-55.0	LON W=07-12.0		PROF= 10.0 KM	MAG=4.6					
			RMS= 1.3	ERH= . KM		ERZ= . KM	NES= 28 IO=					
	CSEM	15- FEB-1979	H/M/S=10-11-57.1									
			LAT N=42-52.0	LON W=07-18.0		PROF= . KM	MAG= .					
			RMS= .	ERH= . KM		ERZ= . KM	NES= 44 IO=					
	LDG	15- FEB-1979	H/M/S=10-12- 2.7									
			LAT N=43-18.0	LON W=07-06.0		PROF= . KM	MAG=4.4					
			RMS= .	ERH= . KM		ERZ= . KM	NES= IO=					
	IMGP	15- FEB-1979	H/M/S=10-11-57.0									
			LAT N=43-00.0	LON W=07-00.0		PROF= . KM	MAG= .					
			RMS= .	ERH= . KM		ERZ= . KM	NES= IO=					

SARRIA=LU

PROVINCIA DE LUGO

III EN COSPEITO, NAVIA DE SUARNA

IV EN MAZAGOS, BECERREA RIBEIRA DE PIQUIN, FOLGOSO DE CAUREL
FONSAGRADA, VICEDO, BAOIS RIBERA, FOZ, LORENZANA, BOVEDA
PUERLA DE AROLLO Y MONFORTEV EN MONDONEDO, LUGO, RARADE, CASTRO DEL REY, MEIRA Y CASTROVERDE
BALEIRA, PUERTO MARIN, PAHADELA, VIGO Y SARRIA

PROVINCIA DE PONTEVEDRA

IV EN LA ESTRADA, VALGA Y CALDAS DE REYES

V EN PAZOS DE HORBEIR

PROVINCIA DE CORUNA

III EN EL FERROL, LA CORUNA Y BETANZOS

IV EN LANCAR

FEB= 15 LGR F 22 53 35.5 I 22 53 52.0 0.3 0.5

LDG 15- FEB-1979 H/M/S=22-50-18.1
 LAT N=43-00.0 LON W=00-24.0 PROF= 10.0 KM MAG=3.1
 RMS= . ERH= . KM ERZ= . KM NES= IO=

LARUNS=FRANCIA

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA=CDR	DUR
			H	M	S		H	M	S				
FEB= 16	GUD	E	5	5	12,2								80
	TOL	I	5	5	2,5	I	5	5	38,5	0,1	0,8		80
SSIS			16- FEB-1979			H/M/S= 5- 4-15,2							
			LAT N=37-40,0			LON W=01-52,0			PROF= . KM MAG=2,9				
			RMS= .			ERH= . KM ERZ= . KM			NES= 10 IO= III				

LORCA=MU
 III EN LORCA
 LOCALIZADO CON INFORMACION MACROISMICA

FEB= 16	CDI	I D	23	58	21,0		23	59	8,3				
	EBR	E	24	0	54,5								
	EPP		23	59	28,4		0	1	12,4				
	GUD	I	23	58	49,3								
	LFF		23	59	33,4								
	LGR	E	23	58	57,3		0	0	55,3	0,2	0,8		
	LPF		23	59	36,9								
	MAL	E	24	0	36,0								
	MFF		23	59	33,5		0	1	27,5				
	MTE	I	23	58	22,7		23	59	14,7				
	PTO	I D	23	58	8,4		23	58	34,6				
	STS	I	23	57	58,0		23	59	7,6				
	TOL	I	23	58	55,6		0	0	43,6	0,1	0,4		
BSIS			16- FEB-1979			H/M/S=23-57-43,4							
			LAT N=42-29,0			LON W=09-32,0			PROF= 10,0 KM MAG=4,0				
			RMS= 0,6			ERH=16,0 KM ERZ= . KM			NES= 12 IO= V				
NEIS			16- FEB-1979			H/M/S=23-57-37,7							
			LAT N=42-43,0			LON W=09-33,0			PROF= 10,0 KM MAG= .				
			RMS= 0,8			ERH= . KM ERZ= . KM			NES= 21 IO=				
CSEM			16- FEB-1979			H/M/S=23-57-39,1							
			LAT N=42-38,0			LON W=09-40,0			PROF= . KM MAG= .				
			RMS= .			ERH= . KM ERZ= . KM			NES= 33 IO=				

 P S

 MES DIA STA PRK H M S SRM H M S AMP PFR STA-COR DUR

LDG 16- FEB-1979 H/M/S=23-57-47.3
 LAT N=42-54.0 LON W=09-00.0 PROF= . KM MAG=4.4
 RMS= . ERH= . KM ERZ= . KM NES= IO=

IMGP 16- FEB-1979 H/M/S=23-57-43.0
 LAT N=42-13.0 LON W=09-42.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

W PONTEVEDRA-ATLANTICO
 PROVINCIA DE PONTEVEDRA
 IV EN PALMEIRA RIVEIJA, VIGO, BUEU, CAMBADOS Y LAS NIEVES
 V EN MARIN
 PROVINCIA DE CORUNA
 IV EN BOIKO
 V EN MURD

FEB- 20 MAL E 12 15 2.0

SPGM 20- FEB-1979 H/M/S=12-14-21.0
 LAT N=35-12.0 LON W=03-54.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

ACHUIR-MARRUECOS

FEB- 20 COI I 14 49 10.7 I 14 49 47.4
 EPF 14 50 2.0 14 51 12.0
 GUD I 14 49 13.3 I 14 50 6.3
 LGR E 14 49 41.2 F 14 51 4.4 0.2 0.7
 MFF 14 50 12.6 14 51 38.6
 MTE I 14 49 5.5 I 14 49 35.0
 PTO I 14 48 54.8 14 50 5.1
 STS I 14 48 48.1 I 14 49 46.8
 TOL E 14 49 42.0 I 14 51 12.3 0.1 0.8

SSIS 20- FEB-1979 H/M/S=14-48-34.4
 LAT N=42-20.3 LON W=07-56.0 PROF= 10.0 KM MAG=3.4
 RMS= 2.8 ERH= . KM ERZ= . KM NES= 9 IO= IV

MES DIA	STA	PRK	P			S			AMP	PEH	STA=CDR	DIR
			H	M	S	SHM	H	M				
	INGP	20= FER-1979	H/M/S=14-48-53.0									
		LAT N=42-18.0	LON W=08-06.0			PROF=	KM	MAG=				
		RMS=	ERH=	KM	ERZ=	KM	NES=	IO=				
	ORENSE											
	III EN TUY Y MACEDA											
	IV EN ALLARTZ, BANDOS DE MOLGAS, LA HOLA, CAITFLLP, JUNQUERA DE AMRIA											
	BANDOS DE MOLGAS											

FEB- 21 MAL E 19 3 0.0 I 19 3 15.0

	SPGM	21= FEB-1979	H/M/S=19- 2-31.0									
		LAT N=35-30.0	LON W=04-00.0			PROF=	KM	MAG=				
		RMS=	ERH=	KM	ERZ=	KM	NES=	IO=				

N MORRO NUEVO=AL HORAN

	SPGM	22= FEB-1979	H/M/S=12-17- 5.0									
		LAT N=36-06.0	LON W=09-54.0			PROF=	33.0 KM	MAG=2.3				
		RMS=	ERH=	KM	ERZ=	KM	NES=	IO=				

SW C S VICENTE=ATLANTICO

	LDG	23= FEB-1979	H/M/S= 7- 6-13.0									
		LAT N=43-54.0	LON E=01-54.0			PROF=	KM	MAG=				
		RMS=	ERH=	KM	ERZ=	KM	NES=	IO=				

GAILLIAC=FRANCIA

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA=CDR	DIR
			H	M	S		H	M	S				

FEB- 23 GUD E 13 35 36.5
STS I 13 36 31.5

SSIS 23- FEB-1979 H/M/S=13-36-15.5
LAT N=42-05.0 LON W=08-30.0 PROF# . KM MAG# .
RMS# . ERH# . KM ERZ# . KM NES# 10 III

SALVATIERRA DE MINO=PD
III EN SALVATIERRA DE MINO
LOCALIZADO CON INFORMACION MACROISISMICA

FEB- 24 ALC E 16 47 8.5
AVE E 16 47 17.0
CRT E 16 47 8.7
GUD I 16 47 54.1 I 16 49 50.4
MAD I 16 47 15.0 I 16 48 5.5
IFR I 16 46 56.0
MAL E 16 47 0.0 I 16 47 20.0
TAF I 16 46 55.5
TEC I 16 47 9.0
TIO I 16 47 39.5 I 16 49 15.0
TOL E 16 47 44.0 I 16 49 25.0 U.R

180

SSIS 24- FEB-1979 H/M/S=16-46-32.0
LAT N=34-52.5 LON W=04-14.5 PROF# 20.0 KM MAG# 3.2
RMS# 0.4 ERH# 3.2 KM ERZ# . KM NES# 11 IO#

NEIS 24- FEB-1979 H/M/S=16-46-28.2
LAT N=34-51.0 LON W=04-17.0 PROF# 10.0 KM MAG# .
RMS# 0.6 ERH# . KM ERZ# . KM NES# 7 IO#

SPGM 24- FEB-1979 H/M/S=16-46-28.0
LAT N=34-48.0 LON W=04-18.0 PROF# . KM MAG# .
RMS# . ERH# . KM ERZ# . KM NES# IO#

TARGETIST=MARRUECOS

MES DIA	STA	PRK	P			RRM	S			AMP	PEK	STA-COR	DUR
			H	M	S		H	M	S				
FEB- 24	AVE	I	19	32	10.5								
	ALC	I	19	32	1.5								
	CRT	E	19	32	2.2								
	GUO	I	19	32	47.0		19	34	36.7				
	MAD	I	19	32	8.0								
	IFR	I	19	31	46.5								
	MAL	E	19	31	53.5	I	19	33	8.5				
	TAF	I	19	31	49.0								
	TEC	I	19	32	4.0								
	TIO	I	19	32	32.5	I	19	33	59.5				
	TOL	E	19	32	22.5		19	33	56.5		1.0		

SSIS 24- FEB-1979 H/M/S=19-31-25.3
 LAT N=34-52.2 LON W=14-18.5 PROF= 20.0 KM MAG=3.0
 RMS= 0.4 ERH= . KM ERZ= . KM NES= 10 IO=

NEIS 24- FEB-1979 H/M/S=19-31-21.4
 LAT N=34-50.0 LON W=14-17.0 PROF= 10.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 7 IO=

SPGM 24- FEB-1979 H/M/S=19-31-20.5
 LAT N=34-48.0 LON W=14-18.0 PROF= 33.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

TARGUIST-HARRUECOS

FEB- 24	ALC	E	21	19	35.0	I	21	20	38.0				
	ALM	I D	21	20	0.0	I	21	20	26.0	2.3	1.0		
	CRT	I D	21	20	2.0	I	21	20	33.5				
	COI	E	21	20	54.7	I	21	22	57.7				
	EPF		21	21	30.4								
	GUO	I	21	20	47.4	I	21	22	38.2				
	MAD	I	21	20	9.0								
	JFR	I	21	19	49.0								
	LGR	E	21	21	14.5	E	21	22	50.3				
	MAL	E	21	19	34.6	I	21	20	27.6				
	MTE	E	21	20	52.0	I	21	22	50.0				
	PTO	I	21	21	5.7		21	22	28.1				
	SFS	E	21	20	4.0	I	21	21	3.0				
	STS	I	21	21	25.0								
	TAF	I	21	19	51.0								
	TEC	I	21	19	41.0								
	TOL	I D	21	20	37.0	I	21	22	10.8	0.3	1.0		320

MES DIA	STA PRK	P			S			AMP	PER	STA-COR	DUR
		H	M	S	H	M	S				

SSIS 24- FEB-1979 H/M/S=21-19-22,9
 LAT N=35-05,0 LON W=03-43,0 PROF= 60,0 KM MAG=3,9
 RMS= 7,9 ERH=39,8 KM FRZ= , KM NES= 17 IO=

NEIS 24- FEB-1979 H/M/S=21-19-21,0
 LAT N=34-59,0 LON W=04-21,0 PROF= 10,0 KM MAG=4,3
 RMS= 1,2 ERH= , KM FRZ= , KM NES= 21 IO=

CSEM 24- FEB-1979 H/M/S=21-19-24,0
 LAT N=34-58,0 LON W=04-42,0 PROF= , KM MAG= ,
 RMS= , ERH= , KM FRZ= , KM NES= 32 IO=

SPGM 24- FEB-1979 H/M/S=21-19-21,5
 LAT N=34-44,0 LON W=04-18,0 PROF= , KM MAG= ,
 RMS= , ERH= , KM FRZ= , KM NES= IO=

IMGP 24- FEB-1979 H/M/S=21-19-25,0
 LAT N=35-18,0 LON W=04-30,0 PROF= , KM MAG= ,
 RMS= , ERH= , KM FRZ= , KM NES= IO=

ANUAL-MARRUCOS

FEB- 25 MAL E 3 11 34,0 I 3 11 55,0

NEIS 25- FEB-1979 H/M/S= 3-11- 4,5
 LAT N=34-50,0 LON W=04-17,0 PROF= 33,0 KM MAG= ,
 RMS= , ERH= , KM FRZ= , KM NES= 6 IO=

SPGM 25- FEB-1979 H/M/S= 3-11- 1,0
 LAT N=34-48,0 LON W=04-18,0 PROF= , KM MAG= ,
 RMS= , ERH= , KM FRZ= , KM NES= IO=

TARGUIST-MARKUFCOS

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				
FEB- 27	ALM	I D	12	57	31,2		12	58	17,2	2,8	0,4		
	CRT	I	12	57	27,5								
	COI	E	12	58	30,9	I	13	0	0,4				
	EBR	E	13	0	7,0								
	GUD	I	12	58	17,2								
	HAD	I	12	58	16,5	I	12	59	21,0				
	IFR	I	12	57	57,0	I	12	59	28,5				
	MAL	I D	12	57	23,2	I	12	57	52,8				
	TAF	E	12	57	40,0	E							
	TEC	E	12	57	49,0								
	TJO	E	12	58	41,0	E	13	0	27,0				
	TOL	E	12	58	4,0	I	12	58	50,0	0,1	0,8		220

SSIS 27- FEB-1979 H/M/S=12-57-10,4
 LAT N=36-18,0 LON W=03-37,5 PROF= 10,0 KM MAG=3,2
 RMS= 1,0 ERH= 5,0 KM ERZ= . KM NES= 11 IO=

NEIS 27- FEB-1979 H/M/S=12-57-10,8
 LAT N=36-17,0 LON W=03-45,0 PROF= 33,0 KM MAG= .
 RMS= 0,9 ERH= . KM ERZ= . KM NES= 8 IO=

SPGM 27- FEB-1979 H/M/S=12-57-12,0
 LAT N=36-00,0 LON W=03-48,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

S ALMUNECAR-ALBORAN

FEB- 28 EBR 11 50 51,0 E 11 51 17,0

LDG 28- FEB-1979 H/M/S=11-50- 8,0
 LAT N=43-00,0 LON W=00-12,0 PROF= . KM MAG=3,4
 RMS= . ERH= . KM ERZ= . KM NES= IO=

LOURDES-FRANCIA

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                P                S
                -----
MES DIA  STA  PRK  H  M  S  SRM  H  M  S  AMP  PER  STA-COR  DUR
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MAR- 2  ALC  I    2  2  26.0
        ALM  I  D    2  2  13.9      I    2  2  32.7    1.0  0.2
        CRT  E    2  2  27.9
        GUD  E    2  3  17.5
        TOL  E    2  3  4.0      I    2  3  48.0

SSIS    2- MAR-1979    H/M/S= 2- 2= 6.1
        LAT N=36-27.3  LON W=02-24.1  PROF= 10.0 KM  MAG=3.3
        RMS= 1.8    ERH=31.2 KM  ERZ= . KM  NES= 7 IO=

S ALMERIA-ALBORAN

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MAR- 4  CRT  I  C   13  39  50.3
        GUD  E    13  40  53.0
        MAL  E    13  40  5.0                0.1  0.4

SSIS    4- MAR-1979    H/M/S=13-39-51.1
        LAT N=36-23.2  LON W=03-35.7  PROF= 10.0 KM  MAG=2.2
        RMS= 5.0    ERH= . KM  ERZ= . KM  NES= 3 IO=

PADUL-GR

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MAR- 5  ALM  I  C   17  33  11.4                4.8  0.2

SSIS    5- MAR-1979    H/M/S=17-33-10.0
        LAT N=36-50.0  LON W=02-30.0  PROF= . KM  MAG=2.9
        RMS= .    ERH= . KM  ERZ= . KM  NES= IO= II

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ALMERIA
II EN ALMERIA
LOCALIZADO CON INFORMACION MACROSISMICA

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA=	COR	DUR
			H	M	S		H	M	S					
MAR- 9	ALM	I C	22	41	12.9	I	22	41	53.9	0.3	1.0			
	AVF	E	22	41	23.0	I								
	CRT	F	22	41	14.6	I	22	41	57.9					
	GUD	I	22	41	59.4									
	HAD	I	22	41	22.2	T	22	42	16.9					
	IFR	I	22	41	2.5	I	22	41	23.9					
	MAL	E	22	41	5.0	I	22	41	32.2					
	MTE	E	22	42	6.0	E	22	43	17.5					
	TAF	I	22	41	1.0	I	22	41	23.0					
	TEC	I	22	41	15.0									
	TIO	I	22	41	45.5	I	22	43	25.0					
	TOL	E	22	41	49.0	I	22	43	35.0					100

SSIS 9- MAR-1979 H/M/S=22-41-49.0
 LAT N=34-56.1 LON W=04-13.5 PROF= 20.0 KM MAG=3.4
 RMS= 0.8 ERH= 6.0 KM ERZ= . KM NES= 12 IO=

SPGM 9- MAR-1979 H/M/S=22-40-32.5
 LAT N=34-30.0 LON W=04-06.0 PROF= 53.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

TARGUIST=MARRUECOS

SPGM 10- MAR-1979 H/M/S= 3-32- 7.0
 LAT N=35-24.0 LON W=04-00.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

N MORRO NIEVO=ALBORAN

SPGM 10- MAR-1979 H/M/S= 4- 1- 2.0
 LAT N=34-54.0 LON W=04-06.0 PROF= 10.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

TARGUIST=MARRUECOS

P S

MES DIA STA PRK H M S SRM H M S AMP PER STA=CUR DUR

LDG 10- MAR-1979 H/M/S= 6-28-55.7
LAT N=42-48.0 LON E=00-54.0 PROF= 10.0 KM MAG=2.7
RMS= . ERH= . KM ERZ= . KM NES= 10

VIELLA-L

SPGM 11- MAR-1979 H/M/S= 6-42- 5.0
LAT N=35-00.0 LON W=04-30.0 PROF= 10.0 KM MAG= .
RMS= . ERH= . KM ERZ= . KM NES= 10

TARGUIST-MARRUECOS

MAR- 12 ALM I 0 3 19 16.2 I 3 19 52.2
ALC E 3 19 18.0
AVE E 3 19 56.0 F 3 21 46.0
CRT E 3 19 19.0
MAL E 3 19 13.8 I 3 19 45.3
HAD I 3 19 46.0
IFR I 3 19 26.5 I 3 20 20.5
TAF I 3 19 11.0 I 3 19 40.0
TEC I 3 19 23.5
TID E 3 20 10.0 I 3 21 21.5
TOL E 3 19 57.0 E 3 21 50.0 0.1 0.9

SSIS 12- MAR-1979 H/M/S= 3-18-51.0
LAT N=35-33.5 LON W=03-32.9 PROF= 10.0 KM MAG=3.1
RMS= 1.0 ERH= 8.4 KM ERZ= . KM NES= 11 IO

NEIS 12- MAR-1979 H/M/S= 3-18-48.2
LAT N=35-29.0 LON W=03-40.0 PROF= 10.0 KM MAG= .
RMS= 1.2 ERH= . KM ERZ= . KM NES= 9 IO

CSEM 12- MAR-1979 H/M/S= 3-18-51.7
LAT N=35-44.0 LON W=03-25.0 PROF= . KM MAG= .
RMS= . ERH= . KM ERZ= . KM NES= 6 IO

 P S

 MES DIA STA PRK H M S SRM H M S AMP PER STA=COR DUR

SPGM 12- MAR-1979 H/M/S= 3-18-45.0
 LAT N=34-30.0 LON W=03-00.0 PROF= 33.0 KM MAG= .
 RMS= . ERH= . KM FRZ= . KM NES= 10=

N CARO QUILATES-ALBORAN

MAR- 12 FAR 22 12 45.2 22 13 44.4
 GUID I 22 13 32.0 120
 IFR I 22 13 20.5 I 22 14 19.5
 MAL E 22 13 7.0 F 22 13 55.0
 MTE 22 13 22.0
 SFS E 22 12 45.0 E 22 13 36.5
 TOL E 22 13 23.0 E 22 14 31.0 0.1 0.8 150

SSIS 12- MAR-1979 H/M/S=22-12-50.2
 LAT N=36-52.0 LON W=07-05.3 PROF= 60.0 KM MAG=3.0
 RMS= 2.2 ERH= . KM FRZ= . KM NES= 7 IO=

GOLFO DE CADIZ

MAR- 13 ALC E 1 58 17.0 150
 FAR 1 57 54.0 1 59 2.0
 GUID I 1 58 40.0 120
 MAL E 1 58 16.3 E 1 58 55.3
 SFS E 1 57 54.5 F 1 58 56.0
 TOL E 1 58 31.5 E 1 59 51.5 0.1 0.9 150

SSIS 13- MAR-1979 H/M/S= 1-57-59.3
 LAT N=37-01.2 LON W=07-01.5 PROF= 60.0 KM MAG=3.0
 RMS= 1.3 ERH= . KM FRZ= . KM NES= 6 IO=

GOLFO DE CADIZ

MES DIA	STA	PRK	P			SKM	S			AMP	PEH	STA-COR	DUR
			M	M	S		M	M	S				

SPGM 14- MAR-1979 H/M/S=23-7-53.5
 LAT N=34-36.0 LON W=05-14.0 PROF= 33.0 KM MAG= .
 RMS= . EPH= . KM ERZ= . KM NES= IO=

CORTES DE LA FRONTERA-MA

MAR- 15 MAL F 4 45 35.0 F 4 45 55.0

SPGM 15- MAR-1979 H/M/S= 4-45-12.0
 LAT N=35-12.0 LON W=03-14.0 PROF= 33.0 KM MAG= .
 RMS= . EPH= . KM ERZ= . KM NES= IO=

PUNTA AFRADU-MARNUECOS

MAR- 16 ALM I C 23 32 35.7 I 23 33 33.7
 AVE I 23 32 41.5 I 23 34 0.0
 CRT E 23 32 32.2 23 33 29.3
 GUD E 23 33 2.0
 HAD I 23 32 38.0 I 23 33 50.0
 IFR I 23 32 19.0 I 23 32 57.5
 MAL I D 23 32 22.0 I 23 33 7.0
 TAF I 23 32 18.0 I 23 32 58.0
 TEC I 23 32 33.0
 TIO I 23 32 57.0 I 23 34 47.5
 TOL E 23 33 6.0 0.1 1.0 180

SSIS 16- MAR-1979 H/M/S=23-31-54.0
 LAT N=30-48.0 LON W=04-15.0 PROF= 10.0 KM MAG=3.3
 RMS= 1.0 EPH=14.4 KM ERZ= . KM NES= 10 IO=

NEIS 16- MAR-1979 H/M/S=23-31-53.0
 LAT N=30-54.0 LON W=04-16.0 PROF= 33.0 KM MAG= .
 RMS= 1.3 EPH= . KM ERZ= . KM NES= 0 IO=

SPGM 16- MAR-1979 H/M/S=23-31-49.0
 LAT N=30-48.0 LON W=04-24.0 PROF= 33.0 KM MAG= .
 RMS= . EPH= . KM ERZ= . KM NES= IO=

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                P                S
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MES DIA  STA PRK  H M S  SRM  H M S  AMP PER STA-COR DIR
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BORDO-MARRUECOS

SPGM 16- MAR-1979 H/M/S=23-38-15.0
 LAT N=35-00.0 LON W=04-30.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 10=

TARGUIST-MARRUECOS

LDG 16- MAR-1979 H/M/S=23-53-49.6
 LAT N=42-30.0 LON E=02-42.0 PROF= . KM MAG=3.0
 RMS= . ERH= . KM ERZ= . KM NES= 10=

CERET-FRANCIA

SPGM 17- MAR-1979 H/M/S= 1-25-19.0
 LAT N=34-48.0 LON W=04-24.0 PROF= 33.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 10=

TARGUIST-MARRUECOS

MAR- 17 MAL E 16 57 40.0 E 16 58 2.0

NEIS 17- MAR-1979 H/M/S=16-57- 8.0
 LAT N=34-49.0 LON W=04-13.0 PROF= 70.0 KM MAG= .
 RMS= 0.4 ERH= . KM ERZ= . KM NES= 5 10=

SPGM 17- MAR-1979 H/M/S=16-57- 6.0
 LAT N=34-48.0 LON W=04-18.0 PROF= 33.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 10=

TARGUIST-MARRUECOS

MES DIA	STA	PRK	P			SRM	S			AMP	PFR	STA-COR	DUR
			H	M	S		H	M	S				
MAR= 17	AVE	I	20	58	37,0	I	20	59	51,5				
	FAR		20	57	55,0		20	58	57,2				
	GUD	E	20	58	59,6								
	MAO	I	20	59	3,5	I	20	60	5,5				
	IFR	I	20	58	44,0	I	21	0	11,0				
	MTE		20	58	49,0		21	0	11,0				
	STS	I	20	59	16,0								
	TIO	I	20	59	7,5	I	20	60	16,5				
	TOL	E	21	59	42,0		21	0	19,5				120

SSIS 17= MAR=1979 H/M/S=20-57-47,3
 LAT N=36-37,3 LON W=07-45,4 PROF= 5,0 KM MAG=3,5
 RMS= 1,4 ERH=13,0 KM ERZ= . KM NES= 14 IO=

SPGM 17= MAR=1979 H/M/S=20-57-47,0
 LAT N=36-12,0 LON W=08-12,0 PROF= 33,0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

S FARO-ATLANTICO
 MAG CALCULADA EN FUNCION DE LA DURACION DEL SISMO EN TOLEDO

MAR= 18	MAL	E	6	47	37,5	F	6	47	43,7				
	SPGM		18=	MAR=1979		H/M/S=	6-46-55,0						
			LAT N=	35-24,0		LON W=	03-48,0		PROF=	. KM	MAG=	. IO=	
			RMS=	. ERH=	. KM	ERZ=	. KM		NES=	. KM			

N BAHIA DE ALHUCEMAS-ALBORAN

	LDG		19=	MAR=1979		H/M/S=	16-17-25,6						
			LAT N=	42-30,0		LON E=	02-42,0		PROF=	. KM	MAG=	2,4	
			RMS=	. ERH=	. KM	ERZ=	. KM		NES=	. KM		IO=	

CERET-FRANCIA

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				
MAR- 20	ALM	I C	21	54	16.5	I	21	54	48.8				
	ALI	E	21	54	42.5	E	21	55	58.2	1.1	1.3		
	AVE	E	21	55	14.5								
	CRT	I	21	53	58.9								
	COI	I C	21	55	8.7	I	21	56	8.2				
	EBR	E	21	55	10.0								
	EPP		21	55	34.0								
	GUD	I	21	54	51.2	I	21	56	37.1				
	HAD	I	21	55	15.0								
	IFR	I	21	54	56.0								
	LGR	I D	21	55	17.8	E	21	56	36.6	0.2	0.4		
	LIS	E	21	55	5.2	E	21	56	1.2				
	LFF		21	55	58.0								
	LPO		21	55	57.5								
	MAL	I	21	54	8.5	I	21	54	24.7	0.2	0.8		
	MTE	I C	21	55	3.6		21	55	56.4				
	PTO	E	21	55	16.1		21	56	32.1				
	SFS	E	21	54	42.0	I	21	56	4.5				
	TAF	I	21	54	38.0		21	55	41.0				
	TAM	E	21	54	26.3								
	TEC	I	21	54	45.0								
	TIO	I	21	55	38.4		21	57	29.0				
	TOL	I D	21	54	41.2					0.1	0.8		
SSIS	20- MAR-1979		H/M/S=21-53-59.3										
	LAT N=37-11.5		LON W=03-35.8						PROF= 10.0 KM	MAG=4.0			
	RMS= 2.3		FRH= 9.0 KM						ERZ= . KM	NES= 22	IO= VI		
NEIS	20- MAR-1979		H/M/S=21-53-50.2										
	LAT N=37-17.0		LON W=03-42.0						PROF= 10.0 KM	MAG=4.0			
	RMS= 0.7		FRH= . KM						ERZ= . KM	NES= 33	IO=		
CSEM	20- MAR-1979		H/M/S=21-53-56.1										
	LAT N=37-11.0		LON W=03-45.0						PROF= . KM	MAG= .			
	RMS= .		FRH= . KM						ERZ= . KM	NES= 44	IO=		
LDG	20- MAR-1979		H/M/S=21-53-45.6										
	LAT N=36-24.0		LON W=04-06.0						PROF= . KM	MAG=4.3			
	RMS= .		FRH= . KM						ERZ= . KM	NES=	IO=		
SPGH	20- MAR-1979		H/M/S=21-54- 4.5										
	LAT N=36-12.0		LON W=03-42.0						PROF= 33.0 KM	MAG= .			
	RMS= .		FRH= . KM						ERZ= . KM	NES=	IO=		

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				

GRANADA

PROVINCIA DE GRANADA

III EN CAMPOTEJAR, DILAR, MELEGIS, GUADAHORTUNA Y PINAR

IV EN ALBUNUELAS, ALHAMA, ALMUNECAR, ARENAS, HUETON TAJAR, JAYENA, LOJA
MONTEFRIO, MONTEJICAR, MORALEDA DE ZAFAYONA, MOTRIL, PADUL, SALAR Y

VILLANUEVA MESTA

V EN ALBOLOTE, BEAS, CAJAR, COLOMERA, COLLAR VEGA, CHIMENEAS, CHURRIANA, DA
DEIFONTES, DURCAL, ESCIJAR, GUEJAR SIERRA, HUETOR VEGA, ILLORA, ALOMARTE,
BRACANA, TOCON, IZNALLOZ, LACHAR, LAS GABIAS, MOCLIN, OTURA, PINOS GENIL,
PINOS PUENTE Y LA ZURJAVI EN ARMILLA, ATARFE, CIJUELA, CHAUCHINA, EL JAU, FUENTE VAQUEROS, GRANADA,
GUEVEJAR, MAHACENA, NIVAR, PFLIGNOS, PURCHIL Y SANTAPE

PROVINCIA DE JAEN

II EN CASTILLO LOCUBIN

IV EN FRAILES

V EN ALCALA LA REAL

VI EN CENES

PROVINCIA DE MALAGA

III EN VILLANUEVA DE ALFAIDES

IV EN NERJA

MAR- 20	ALI	E	21	57	48,8								320
	ALM	I	21	57	23,2	I	21	58	3,2				
	AVE	E	21	58	18,0		21	59	32,0				
	CRT	I	21	57	5,5								
	COI	I	21	58	14,9	I	21	59	21,6				
	EBR	E	21	58	17,0								
	EPF		21	58	40,4								
	GUD	I	21	58	10,6	I	21	59	6,7				
	HAD	I	21	58	23,0								
	LFF		21	59	5,1								
	LGR	E	21	58	23,8	I	21	59	50,1				
	MAL	I	21	57	15,0								
	MTE		21	58	10,5		21	59	9,5				
	SFS	E	21	57	51,0	I	21	59	23,5				
	TIO	I	21	58	45,0		21	60	47,0				
	TOL	I	21	57	55,5	I	21	59	28,0	1,1	0,4		320

SSIS 20- MAR-1979 M/M/S=21-57- 5,0
 LAT N=37-06,6 LON W=03-35,8 PROF= 5,0 KM MAG=4,4
 RMS= 3,9 ERH=19,7 KM ERZ= . KM NES= 16 IO= IV

 P S

 MES DIA STA PRK H M S SRM H M S AMP PER STA=CDR UIR

NEIS 20- MAR-1979 H/M/S=21-57- 1.3
 LAT N=37-18.0 LON W=03-03.0 PROF= 10.0 KM MAG= .
 RMS= 1.2 ERH= . KM ERZ= . KM NES= 26 IO=

CSEM 20- MAR-1979 H/M/S=21-57- 2.5
 LAT N=37-14.0 LON W=03-48.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 27 IO=

SPGM 20- MAR-1979 H/M/S=21-57- 5.5
 LAT N=36-48.0 LON W=03-48.0 PROF= 33.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

GRANADA
 III EN MALAGA
 IV EN GRANADA
 REPLICA DEL ANTERIOR

NEIS 21- MAR-1979 H/M/S=19-20-47.8
 LAT N=35-59.0 LON E=03-22.0 PROF= 10.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 10 IO=

CHELI ALA-ARGELTA

LUG 25- MAR-1979 H/M/S= 2-52-44.5
 LAT N=42-54.0 LON E=00-36.0 PROF= . KM MAG=3.1
 RMS= . ERH= . KM ERZ= . KM NES= IO=

ST HEAT=FRANCIA

SPGM 26- MAR-1979 H/M/S= 0-16-47.0
 LAT N=36-18.0 LON W=09-18.0 PROF= 33.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

S C S VICENTE=ATLANTICO

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				
MAR- 30	ALC	I C	6	26	10,5								110
	AVE	F	6	26	37,5		6	27	52,5				
	CRT	E	6	26	10,5								
	GUD	E	6	26	51,3		6	28	31,6				
	HAD	I	6	26	43,0		6	28	2,0				
	IFR	I	6	26	22,5		6	27	7,5				
	MAL	E	6	26	1,0		6	26	8,5				
	MTE	E	6	26	56,0		6	28	46,0				
	TOL	E	6	26	41,0		6	28	4,0				110

SSIS 30- MAR-1979 H/M/S= 6-25-46,0
 LAT N=36-01,5 LON W=04-47,2 PROF= 60,0 KM MAG=3,5
 RMS= 0,8 ERH= 7,7 KM ERZ= , KM NES= 9 IO=

NEIS 30- MAR-1979 H/M/S= 6-25-43,0
 LAT N=35-57,0 LON W=04-02,0 PROF= 33,0 KM MAG= ,
 RMS= 1,1 ERH= , KM ERZ= , KM NES= 5 IO=

SPGM 30- MAR-1979 H/M/S= 6-25-51,0
 LAT N=35-00,0 LON W=04-30,0 PROF= , KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= IO=

S MARBELLA-ALBORAN
 MAG CALCULADA EN FUNCION DE LA DURACION DEL SISMO EN TOLEDO

LDG 31- MAR-1979 H/M/S=21-33-50,5
 LAT N=42-42,0 LON E=01-06,0 PROF= , KM MAG=2,8
 RMS= , ERH= , KM ERZ= , KM NES= IO=

ESTERRI DE ANEU-L

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR			
			H	M	S		H	M	S							
ABR- 1	CAF		19	5	23,0		19	6	24,6							
	EBR		19	5	27,0											
	EPF		19	5	14,6											
	GUO	I	19	5	14,7											
	LFF		19	5	13,5											
	LGR	I C	19	4	43,0	I	19	5	55,0	0,1	0,4					
	LPF		19	5	43,8		19	7	20,0							
	LPO		19	5	14,3											
	MFF		19	5	26,4											
	RJF		19	5	21,3		19	6	14,8							
SSIS	1- ABR-1979		H/M/S=19- 4-29,8			LAT N=43-09,0		LON W=02-15,4		PROF= 10,0 KM	MAG=3,4	RMS= 1,1	ERH= 7,5 KM	ERZ= . KM	NES= 14	IO=
NEIS	1- ABR-1979		H/M/S=19- 4-29,0			LAT N=43-06,0		LON W=02-12,0		PROF= 20,0 KM	MAG=4,6	RMS= 0,5	ERH= . KM	ERZ= . KM	NES= 17	IO=
CSEM	1- ABR-1979		H/M/S=19- 4-30,3			LAT N=43-05,0		LON W=02-02,0		PROF= . KM	MAG= .	RMS= .	ERH= . KM	ERZ= . KM	NES= 21	IO=
LDG	1- ABR-1979		H/M/S=19- 4-30,6			LAT N=43-12,0		LON W=02-00,0		PROF= 5,0 KM	MAG=3,4	RMS= .	ERH= . KM	ERZ= . KM	NES=	IO=

AZPEITIA-SS

ABR- 2	MAL	E	1	11	16,5	F	1	11	20,0							
SPGM	2- ABR-1979		H/M/S= 1-10-39,0			LAT N=33-18,0		LON W=04-00,0		PROF= . KM	MAG= .	RMS= .	ERH= . KM	ERZ= . KM	NES=	IO=

N MORRO NUEVO-ALBORAN

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                P                S
            -----
MES DIA  STA PRK  H M S  SRM  H M S  AMP PER STA-COR DUR
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ABR- 5  ALC I   15 15 18,7
        ALM E   15 15 27,0  I  15 16  3,3  0,4  1,0
        ALR I   15 15  2,0  I  15 15 11,0
        AVE E   15 15 57,0  I  15 17 23,5
        CRT E   15 15 24,0
        GUD E   15 16  6,0
        MAD E   15 15 43,0
        IFR I   15 15 27,2      15 16 22,2
        MAL E   15 15 14,0  E  15 15 43,0
        TAF I   15 15 12,5  I  15 15 41,0
        TEC E   15 15 23,0

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SSIS      5- ABR-1979      H/M/S=15-14-51,0
          LAT N=35-31,3    LON W=03-37,3    PROF= 10,0 KM  MAG=3,2
          RMS= 2,9      ERH=10,0 KM  ERZ= . KM  NES= 17 IO=

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SPGM      5- ABR-1979      H/M/S=15-14-48,0
          LAT N=35-24,0    LON W=03-54,0    PROF= . KM  MAG= .
          RMS= .          ERH= . KM  ERZ= . KM  NES= 10=

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N CARO QUILATES-ALHORAN

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SPGM      7- ABR-1979      H/M/S= 6-41-19,0
          LAT N=34-54,0    LON W=04-12,0    PROF= . KM  MAG= .
          RMS= .          ERH= . KM  ERZ= . KM  NES= 10=

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TARGUIST-MARRUECOS

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ABR- 8  ERR E   4 23  7,0  E   4 23 23,0
        LDG      8- ABR-1979      H/M/S= 4-22-38,5
          LAT N=42-18,0    LON E=01-54,0    PROF= . KM  MAG=3,0
          RMS= .          ERH= . KM  ERZ= . KM  NES= 10=

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PUIGCERDA-b

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				
ABR- 15	ALC	I	21	44	26.7	I	21	45	8.7				
	ALM	I	21	44	43.1	I	21	45	52.9				
	GUD	F	21	45	8.0								180
	IFR	I	21	45	17.0	F	21	46	1.5				
	CRT	I	21	44	26.1								
	EPT		21	45	54.8								
	TOL	E	21	44	59.0	F	21	46	25.0	0.1	0.8		115
SSIS			15- ABR-1979			H/M/S=21-44-15.9							
			LAT N=37-07.7			LON W=04-16.5			PROF= 10.0 KM MAG=3.2				
			RMS= 0.9			ERH= 6.4 KM			FRZ= . KM NES= 7 IO=				
LOJA-GR													

SPGM			16- ABR-1979			H/M/S= 4-56-55.0							
			LAT N=35-00.0			LON W=04-42.0			PROF= . KM MAG= .				
			RMS= .			ERH= . KM			FRZ= . KM NES= IO=				
BAR RERRET-MARRUECOS													

SPGM			18- ABR-1979			H/M/S= 0-18-42.5							
			LAT N=36-00.0			LON W=07-42.0			PROF= . KM MAG= .				
			RMS= .			ERH= . KM			FRZ= . KM NES= IO=				
S FARO-ATLANTICO													

ABR- 18	ALC	I	20	30	18.5	I	20	31	14.0				
	AVE	I	20	30	17.5	I	20	31	17.5				
	FAR	I	20	29	07.1								
	GUD	F	20	30	40.0								160
	HAC	I	20	30	43.5	I	20	32	23.5				
	IFR	I	20	30	21.0	I	20	31	14.5				
	MTE	F	20	30	24.8	F	20	31	12.3				
	TIO	I	20	30	49.7	I	20	32	18.4				
	TOL	F	20	30	44.5	F	20	32	14.5				

 P S

 MES DIA STA PRK H M S SRM H M S AMP PFR STA=COR DIJR

SSIS 18- APR-1979 H/M/S=20-29-28.5
 LAT N=36-27.3 LON W=07-41.3 PROF= 10.0 KM MAG=4.0
 RMS= 2.6 ERH=14.0 KM ERZ= . KM NFS= 17 IO=

SPGM 18- APR-1979 H/M/S=20-29-31.0
 LAT N=36-06.0 LON W=07-36.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NFS= IO=

S FAPO-ATLANTICO
 MAG CALCULADA EN FUNCION DE LA DURACION DEL SISMO EN GUADARRAMA

LDG 19- APR-1979 H/M/S= 5- 7-59.5
 LAT N=43-00.0 LON E= 0-00.0 PROF= . KM MAG=3.0
 RMS= . ERH= . KM ERZ= . KM NFS= IO=

TARBS-FRANCIA

ABR- 20 ALM I 15 28 25.0 I 15 28 26.6
 SSIS 20- APR-1979 H/M/S=15-28-24.5
 LAT N=36-45.0 LON W=02-30.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NFS= IO= III

GOLFO DE ALMERIA
 LOCALIZACION CON INFORMACION MACROSISMICA

LOG 20- APR-1979 H/M/S=19-40-47.1
 LAT N=43-24.0 LON W=00-56.0 PROF= . KM MAG=3.0
 RMS= . ERH= . KM ERZ= . KM NFS= IO=

ARTHEZ-FRANCIA

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA=COR	DUR
			H	M	S		H	M	S				
ABR- 21	ALM	I	19	52	45,3								180
	AVE	I	19	52	55,0								
	ALC	I	19	52	43,6								
	ALR	I	19	52	26,8	I	19	53	5,0				
	BAB	E	19	53	33,0								
	BRB	I	19	52	45,0	I	19	53	59,0				
	CRT	E	19	52	45,5								
	GUD	E	19	53	29,3								
	MAO	I	19	52	55,0	I	19	54	27,0				
	IFR	I	19	52	34,0	I	19	53	30,0				
	MAL	E	19	52	34,0								
	MTE		19	53	33,5		19	55	12,3				
	STS	E	19	54	16,0								
	TAF	I	19	52	34,5	I	19	53	31,5				
	TIO	I	19	53	17,5	I	19	54	31,0				
	TEC	E	19	52	44,0								
	TOL	E	19	53	19,0	I	19	54	32,5	0,1	0,8		180

SSIS 21- ABR-1979 H/M/S=19-52-8,0
 LAT N=35-01,7 LON W=04-13,3 PROF= 10,0 KM MAG=3,3
 RMS= 1,9 ERH= 2,0 KM ERZ= . KM NES= 16 IO=

CSEM 21- ABR-1979 H/M/S=19-52-10,0
 LAT N=35-19,0 LON W=04-02,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 8 IO=

SPGM 21- ABR-1979 H/M/S=19-51-2,5
 LAT N=35-00,0 LON W=04-24,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 10=

TARGUIST-MARRUECOS

SPGM 23- ABR-1979 H/M/S=22-19-24,0
 LAT N=35-04,0 LON W=03-06,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 10=

TIZTUTIN-MARRUECOS

P S

MES DIA STA PRK H M S SRK H M S AMP PER STA-COR DUR

SPGM 25- ABR-1979 H/M/S=23-17-16,0
LAT N=35-01,0 LON W=08-18,0 PROF# . KM MAG# .
RMS# . ERH# . KM ERZ# . KM NES# 10#

S FARO-ATLANTICO

SPGM 26- ABR-1979 H/M/S=20-46-42,5
LAT N=35-18,0 LON W=03-12,0 PROF# . KM MAG# .
RMS# . ERH# . KM ERZ# . KM NES# 10#

W MELILLA-ALBORAN

SPGM 26- ABR-1979 H/M/S=21-12-42,5
LAT N=35-18,0 LON W=03-24,0 PROF# . KM MAG# .
RMS# . ERH# . KM ERZ# . KM NES# 10#

N PUNTA AFRAN-ALBORAN

ABR- 29 ALM E C 14 6 44,3 140
CRT I D 14 6 27,0 I 14 6 56,7
GUD E 14 7 31,6 F 14 6 47,2
MAL F 14 6 41,3 T 14 7 30,8
TOL E 14 7 10,6 F 14 7 54,1 0,1 0,9 140

SSIS 29- ABR-1979 H/M/S=14-6-27,2
LAT N=37-01,2 LON W=03-55,8 PROF# 17,0 KM MAG#3,0
RMS# 4,4 ERH#28,0 KM ERZ# . KM NES# 9 10# III

PANII-GR
III EN GRANADA

P S

MES DIA STA PRK H M S SRM H M S AMP PER STA-COR UUR

LOG 30- MAY-1979 H/M/S=10-54-22.6
LAT N=43-24.0 LON W=00-48.0 PROF= 5.0 KM MAG=3.2
RMS= . FRH= . KM ERZ= . KM NES= 10

ORTHEZ-FRANCIA

MAY- 1 ALM E 12 17 34.5 0.2 0.8
CRT E 12 17 16.3
FAR E 12 17 28.3
GUD E 12 17 48.7
MAL E 12 17 5.0 E 12 17 21.0
MTF E 12 18 3.0 I 12 18 34.0
SFS E 12 17 11.5 I 12 17 32.8

SSIS 1- MAY-1979 H/M/S=12-16-53.8
LAT N=36-56.9 LON W=05-13.7 PROF= 10.0 KM MAG=3.1
RMS= 2.7 FRH=20.0 KM ERZ= . KM NES= 10 IO

OLVERA-CA

MAY- 1 ALM I D 12 57 23.0
CRT E 12 57 5.4
COI E 12 57 54.0 12 59 58.3
GUD E 12 57 38.3
FAR E 12 57 18.0
MAL E 12 56 53.7 E
MTE E 12 57 53.0 I 12 59 12.5
SFS E 12 56 57.0 I 12 58 7.7
TIO E 12 58 9.0 E 12 59 27.0
TOL E 12 57 43.0 I 12 58 59.0 0.1 1.0

SSIS 1- MAY-1979 H/M/S=12-56-43.9
LAT N=36-23.9 LON W=05-14.4 PROF= 10.0 KM MAG=3.2
RMS= 4.1 ERH= . KM ERZ= . KM NES= 10 IO

ESTEPONA-MA

```

-----
                P                S
                -----
MES DIA  STA  PRK  H  M  S  SRM  H  M  S  AMP  PER  STA-COR  DUN
-----

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```

MAY- 1  ALM  I  D  13 10 0.4                0.2  0.0
      GUD  E   13 10 13.2
      MAL  I  C  13  9 29.0  I  13 10  5.0
      MTF  E   13 10 20.5  I  13 11 25.5
      SFS  E   13  9 36.0  I  13 10 23.0
      TOL  E   13 10 19.0  F  13 11 10.0

```

```

SSIS  1- MAY-1979  H/M/S=13- 9-20.6
      LAT N=36-43.7  LON W=05-08.4  PROF= 10.0 KM  MAG=3.2
      RMS= 5.3  ERH= .  KM  ERZ= .  KM  NFS= 10  IO=

```

RONDA-MA

```

MAY- 1  CRT  E   13 17 55.2                140
      FAR  E   13 18  9.0
      GUD  E   13 18 37.4
      MAL  E   13 17 43.0  F  13 18 42.5
      SFS  E   13 17 49.0  F  13 18 57.0
      TOL  E   13 18 32.0  E  13 19 57.0  0.1  1.0  140

```

```

SSIS  1- MAY-1979  H/M/S=13-17-51.1
      LAT N=36-10.7  LON W=05-00.7  PROF= 10.0 KM  MAG=3.1
      RMS= 1.8  ERH= .  KM  ERZ= .  KM  NES= 6  IO=

```

E LA LINEA-ALBORAN

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA=COR	DUR
			H	M	S		H	M	S				
MAY- 1	ALM	E C	13	50	34.3								
	AVE	I	13	50	50.0	I	13	52	25.0				
	CAF		13	52	11.4								
	CRT	I C	13	50	18.3								
	COI		13	50	53.0		13	52	47.7				
	EBW	E	13	51	21.0								
	FAW		13	50	25.0		13	51	24.0				
	FPP		13	51	41.4								
	GUD	I	13	50	50.0								
	HAD	I	13	51	7.0	I	13	52	5.0				
	IFR	I	13	50	44.5	I	13	52	9.5				
	LGR	E C	13	51	29.0								
	LIS		13	50	45.1								
	LFF		13	52	4.4								
	LPO		13	52	4.4								
	MAL	I D	13	50	7.0	E	13	53	47.5				
	MTE		13	50	50.0		13	52	22.1				
	PTO	I	13	51	4.2		13	51	59.5				
	SFS	I	13	50	9.2	I	13	53	49.2				
	TAF	I	13	50	43.0	I	13	52	6.0				
	TID	I	13	51	23.0	I	13	52	53.5				
	TOL	E	13	50	41.5	I	13	52	9.5	1.0	1.3		350
	YBT	E	13	51	44.0	I	13	53	54.0				

SSIS 1= MAY=1979 H/M/S=13-49-54.0
 LAT N=36-55.4 LON W=05-25.0 PROF= 10.0 KM MAG=4.0
 RMS= 1.2 ERH= 5.0 KM ERZ= . KM NES= 22 IO=

CSEH 1= MAY=1979 H/M/S=13-49-53.7
 LAT N=36-55.0 LON W=05-28.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 24 IO=

SPGM 1= MAY=1979 H/M/S=13-49-53.0
 LAT N=36-42.0 LON W=05-48.0 PROF= 33.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 10=

OLVERA-CA

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				

MAY-	1	CRT	F	20	10	8.0							
		GUD	E	20	11	7.0							
		MAL	E	20	9	57.8	E	20	11	8.8	0.2	0.3	
		SFS	I	20	10	2.3	I	20	10	13.3			

SSIS 1- MAY-1979 H/M/S=20-9-40.5
 LAT N=35-52.2 LON W=05-00.6 PROF= 10.0 KM MAG=3.1
 RMS= 3.4 ERH= . KM ERZ= . KM NES= 6 IO=

E CEUTA-ALBORAN

MAY-	3	ALM	I	21	13	27.9							170
		ALC	I	21	13	11.9	I	21	13	25.9			
		GUD	E	21	14	4.4	E						
		IFR	E	21	14	10.5	I	21	15	5.5			
		LGR	E	21	14	40.3	E	21	16	17.1			
		MTE		21	14	18.0		21	15	26.5			
		TOL	E	21	13	57.0	I	21	15	29.5	0.1	0.9	170

SSIS 3- MAY-1979 H/M/S=21-13-12.8
 LAT N=37-10.3 LON W=03-31.5 PROF= 10.0 KM MAG=3.2
 RMS= 2.9 ERH= 2.6 KM ERZ= . KM NES= 7 IO= III

GRANADA
 III FN GRANADA

MAY-	8	EBR	E	1	52	42.0	E	1	53	22.0			
		LGR	E	1	52	15.3	I	1	52	32.3			
		TOL	E	1	53	45.0	F	1	54	4.0			

CSFN 8- MAY-1979 H/M/S=1-51-49.7
 LAT N=43-25.0 LON W=00-59.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 21 IO=

 P S

 MES DIA STA PRK H M S S/M H M S AMP PER STA=COR DUR

LUG 8= MAY-1979 H/M/S= 1-51-51,6
 LAT N=43-24,0 LON W=01-00,0 PROF= 20,0 KM MAG=3,6
 RMS= . ERH= . KM FRZ= . KM NES= 10=

MAZARRON-FRANCIA

LUG 10= MAY-1979 H/M/S= 5- 1-45,9
 LAT N=43-00,0 LON E=00-30,0 PROF= . KM MAG=2,3
 RMS= . ERH= . KM FRZ= . KM NES= 10=

MONTREJEAU-FRANCIA

MAY- 11 ALC E 22 5 40,6 I 22 6 46,6 100
 ALI E 22 5 29,0 F 22 6 12,0
 ALM I C 22 5 31,6 I 22 6 18,5 0,3 0,9
 CRT E 22 5 47,0 I 22 6 56,3
 GUD E 22 6 14,3
 TEC E 22 5 56,0
 TOL E 22 5 57,5 E 22 7 26,0 0,1 1,2 180

SSIS 11= MAY-1979 H/M/S=22- 5-12,9
 LAT N=37-35,1 LON W=01-13,8 PROF= 10,0 KM MAG=3,1
 RMS= 2,7 ERH=20,0 KM FRZ= . KM NES= 7 10=

MAZARRON=MI
 III EN LORCA

MAY- 12 ALC F 22 2 45,2 I 22 3 49,7 100
 ALM I C 22 2 41,5 I 22 3 32,2
 CRT E 22 2 47,1
 GUD E 22 3 21,7
 MAL F 22 3 0,0 E 22 3 27,0
 TOL E 22 3 15,2 E 22 3 54,2 0,1 0,8 150

 P S

 MES DIA STA PRK H M S SKM H M S AMP PER STA-COR DUR

SSIS 12- MAY-1979 H/M/S=22- 2-31.7
 LAT N=37-21.7 LON W=02-34.7 PROF= 10.0 KM MAG=2.8
 RMS= 1.1 ERH=25.0 KM ERZ= . KM NES= 6 IO=

SERON-AL

MAY- 12 STS I 23 16 47.9 I 23 16 59.3

SSIS 12- MAY-1979 H/M/S=23-16-50.0
 LAT N=43-02.0 LON W=07-20.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO= IV

CASTROVERDE-LU
 III-IV EN LUGO
 LOCALIZADO CON INFORMACION MACROSISMICA

MAY- 14 ALC E 1 46 9.5
 ALM E 1 46 7.0 I 1 46 21.9 0.2 0.3
 CRT E 1 46 13.0
 GUD E 1 46 56.0
 TOL E 1 46 45.0 F 1 47 59.0

SSIS 14- MAY-1979 H/M/S= 1-46- 0.7
 LAT N=37-06.4 LON W=02-49.1 PROF= 20.0 KM MAG=2.4
 RMS= 1.3 ERH= . KM ERZ= . KM NES= 7 IO=

ABLA-AL

MES DIA	STA	PRK	P			SHM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				
MAY- 14	ALC	I	1	48	2.4								445
	ALI	F	1	48	13.5								
	ALM	I C	1	47	59.4	I	1	49	8.0				
	AVE	E	1	49	18.0	I	1	50	39.5				
	CRT	F	1	48	3.9		1	48	21.3				
	COI	F	1	49	5.6	E	1	50	11.2				
	ERR	E	1	48	47.0								
	EPF		1	49	13.4		1	51	1.9				
	FAR	E	1	48	46.0								
	GUD	F	1	48	38.5	T	1	50	7.5				
	MAU	E	1	49	17.0	F	1	50	45.0				
	IFR	I	1	48	56.0	T	1	50	49.0				
	LFF		1	49	38.5								
	LGR	E	1	49	0.0	I	1	49	59.6				
	LPO		1	49	36.0								
	MAL	I	1	48	18.3		1	48	58.1	0.2	0.8		
	MTE	E	1	49	0.0		1	50	3.3				
	PTO	E	1	49	13.0		1	50	51.5				
	TEC	I	1	48	34.5								
	TJO	I	1	49	40.5	I	1	51	52.5				
	TOL	E D	1	48	28.0	E	1	49	25.0	1.0	0.6		445

SSIS 14- MAY-1979 H/M/S= 1-47-48.4
 LAT N=37-35.7 LON W=02-27.5 PROF= 10.0 KM MAG=4.2
 RMS= 2.2 ERH= 8.0 KM ERZ= . KM NES= 21 IO= V

CSEM 14- MAY-1979 H/M/S= 1-47-46.7
 LAT N=37-38.0 LON W=02-29.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 25 IO=

SPGM 14- MAY-1979 H/M/S= 1-47-42.0
 LAT N=37-48.0 LON W=02-42.0 PROF= 33.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

IMGP 14- MAY-1979 H/M/S= 1-47-45.5
 LAT N=37-32.0 LON W=02-17.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

CULLAR DE BAZA-GH
 PROVINCIA DE GRANADA
 IV EN VELEZ RUHIO
 V EN GALENA, ORCE Y CULLAR-BAZA

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DIR
			H	M	S		H	M	S				

PROVINCIA DE ALMERIA
III EN ALHOX Y MARTA
V EN CHINIVEL

MAY- 14	ALC	E	3	35	16,0								140
	ALM	E	3	35	14,3								
	CRT	E	3	35	16,0								
	GUD	E	3	36	2,1								
	MAL	E	3	35	35,5								
	TIO	I	3	36	45,0	I	3	37	46,0				
	TOL	E	3	35	48,0	F	3	37	2,0	0,1	0,8		140

SSIS 14- MAY-1979 H/M/S= 3-35- 6,3
LAT N=37-09,4 LON W=02-49,6 PROF= 10,0 KM MAG=2,8
RMS= 2,8 ERH= . KM ERZ= . KM NES= 7 IO=

ABLA=AL

MAY- 14	ALC	I	21	35	56,9	E	21	37	17,9				
	CRT	E	21	35	59,0								
	MAL	E	21	35	44,5	E	21	36	46,5				
	TOL	E	21	36	41,0	I	21	37	48,0		0,8		

SSIS 14- MAY-1979 H/M/S=21-35-42,0
LAT N=36-23,6 LON W=00-06,2 PROF= 10,0 KM MAG=2,8
RMS= 4,6 ERH= . KM ERZ= . KM NES= 4 IO=

S TORRE DEL MAR=ALHORAN

LIG 16- MAY-1979 H/M/S=21-33-46,0
LAT N=43-06,0 LON W=00-30,0 PROF= . KM MAG=2,2
RMS= . ERH= . KM ERZ= . KM NES= 10=

OLORON STE MARTE=FRANCIA

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				
MAY- 22	ALC	I	13	52	59.1	I	13	54	7.3				
	ALM	I D	13	52	52.3	I				1.1	0.3		
	CRT	I	13	52	59.4	I	13	54	8.8				
	MAL	E	13	53	5.5	E	13	53	15.5				
	TEC	E	13	53	17.0								
SSIS			22- MAY-1979			H/M/S=13-52-43.5							
			LAT N=36-31.5			LON W=12-53.2			PRDF= 20.0 KM MAG=3.3				
			RMS= 0.5			ERH= 6.0 KM			FRZ= . KM NES= 5 IO=				

SF ADRA-ALBORAN

MAY- 23	LGR	I C	10	37	3.6	I	10	37	15.9	2.6	1.7		
	TOL	E	10	36	54.0	E	10	37	24.0				140
LOG			23- MAY-1979			H/M/S=10-36-50.7							
			LAT N=42-36.0			LON W=03-42.0			PRDF= . KM MAG=3.0				
			RMS= .			ERH= . KM			FRZ= . KM NES= IO=				

POZA DE LA SAL-HU

MAY- 24	EHR	F	19	48	15.7	F	19	48	55.9				
	EPF		19	48	12.8								
	SHS		19	47	38.5								
SSIS			24- MAY-1979			H/M/S=19-47-34.7							
			LAT N=41-59.1			LON E=02-45.4			PRDF= 20.0 KM MAG= .				
			RMS= 0.6			ERH= . KM			FRZ= . KM NES= 3 IO= V				

ANGLES=GF

V FN ANGLES

P S

MES DIA STA PRK H M S SRM H M S AMP PER STA=CON DUR

MAY- 25 EHR E 1 43 35.0 E 1 44 1.5
GUD E 1 44 49.3
LGR E 1 44 20.2 I 1 45 1.0 0.1 1.1
LDG 25- MAY-1979 H/M/S= 1-42-59.8
LAT N=42-00.0 LON E=02-48.0 PROF= . KM MAG=3.3
RMS= . ERH= . KM FRZ= . KM NES= 10
GERONA

MAY- 25 EBR E 1 47 48.0 E 1 48 14.5
LDG 25- MAY-1979 H/M/S= 1-47-12.3
LAT N=42-00.0 LON E=02-42.0 PROF= . KM MAG=3.0
RMS= . ERH= . KM FRZ= . KM NES= 10
GERONA

MAY- 25 ERR E 7 32 42.0 E 7 35 8.0
LDG 25- MAY-1979 H/M/S= 7-32- 3.4
LAT N=41-54.0 LON E=02-42.0 PROF= . KM MAG=3.0
RMS= . ERH= . KM FRZ= . KM NES= 10
GERONA

SPGM 26- MAY-1979 H/M/S= 6-13-16.0
LAT N=35-00.0 LON W=04-50.0 PROF= 33.0 KM MAG= .
RMS= . ERH= . KM FRZ= . KM NES= 10
TARGIIST=MAKRUCCDS

MES DIA	STA	PRK	P			SRM	S			AMP	PKR	STA-COR	DUR
			H	M	S		H	M	S				
MAY- 27	ALT	E	19	42	16.5								240
	ALM	I	19	41	35.1								
	CKT	I	19	41	21.1	I	19	41	46.0	1.4	0.6		
	CNT		19	42	31.3								
	EPP		19	42	57.4								
	GUD	E	19	42	16.0								
	LGH	E	19	42	37.5	E	19	44	20.5				
	HAD	E	19	42	33.0	I	19	43	59.0				
	IFR	E	19	42	13.0	I	19	43	6.5				
	MAL	I	19	41	26.5	F	19	42	2.5	1.1	0.5		
	MTE	E	19	42	26.5	E	19	43	52.8				
	PTO	E	19	42	41.3	E	19	44	21.6				
	TIO	F	19	42	55.0	I	19	45	3.0				
	TOL	F	19	42	7.0	I	19	42	49.0	0.2	0.8		240

SSIS 27- MAY-1979 H/M/S=19-41-18.0
 LAT N=36-53.5 LON W=03-49.1 PROF= 10.0 KM MAG=3.5
 RMS= 2.8 ERH= 11.0 KM ERZ= . KM NES= 14 IO=

CSEM 27- MAY-1979 H/M/S=19-41-17.1
 LAT N=36-57.0 LON W=03-44.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 14 IO=

SPGM 27- MAY-1979 H/M/S=19-41-21.0
 LAT N=36-24.0 LON W=03-36.0 PROF= 33.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

TMGP 27- MAY-1979 H/M/S=19-41-16.1
 LAT N=36-57.0 LON W=03-44.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

ALHAMA DE GRANADA-GH

SPGM 30- MAY-1979 H/M/S= 1-25-28.0
 LAT N=35-12.0 LON W=04-24.0 PROF= 33.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

TURRES DE ALCALA-MAHUECOS

MES DIA	STA	PRK	P			SHM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				

MAY- 31 STS I 0 52 55,6 I 0 54 7,6

IMGP 31- MAY-1979 H/M/S=0-52-59,7
 LAT N=42-00,0 LON W=08-33,0 PROF= . KM MAG= .
 RMS= . ERH= . KM FRZ= . KM NES= 10

MONCAO-PORTUGAL

JUN- 2 ALC I 17 8 9,4 17 9 20,4
 AVF I 17 7 39,5 I 17 8 57,5
 COI E 17 7 52,0 I 17 9 43,0
 GUD I 17 8 24,3 17 10 1,8
 MAD I 17 8 17,2 I 17 9 41,2
 IFR I 17 7 58,0 I 17 9 46,0
 LIS 17 7 40,7
 MTE I 17 7 59,3 I 17 9 50,8
 PTO E 17 8 3,5 17 9 3,1
 TIO I 17 8 7,5 I 17 9 14,5
 TOL E 17 8 19,0 17 9 42,0 0.1 1.0 250

SSIS 2- JUN-1979 H/M/S=17- 6-50,7
 LAT N=35-50,2 LON W=10-04,6 PROF= 60,0 KM MAG=3,3
 RMS= 2,6 ERH= . KM FRZ= . KM NES= 11 IO=

SPGN 2- JUN-1979 H/M/S=17- 6-50,0
 LAT N=35-48,0 LON W=09-54,0 PROF= . KM MAG= .
 RMS= . ERH= . KM FRZ= . KM NES= 10

IMGP 2- JUN-1979 H/M/S=17- 6-54,7
 LAT N=36-14,0 LON W=09-09,0 PROF= . KM MAG= .
 RMS= . ERH= . KM FRZ= . KM NES= 10

SW C S VICENTE-ATLANTICO

JUN- 4 ALC I 22 29 45,4 I 22 30 44,4 100
 CRT E 22 29 44,4
 MAL F 22 29 36,3 I 22 30 16,3

 P S

 MES DIA STA PRK H M S 9MM H M S AMP PFN STA-COR DUR

SSIS 4 JUN-1979 H/M/S=22-29-28.4
 LAT N=36-25.6 LON W=04-28.7 PROF= 10.0 KM MAG=3.0
 RMS= 2.5 ERH= . KM ERZ= . KM NES= 5 IO=

SE MALAGA-ALMORAN
 MAG CALCULADA EN FUNCION DE LA DURACION DEL SISMO EN ALFACAR

SPGM 6 JUN-1979 H/M/S= 0-28-21.5
 LAT N=36-12.0 LON W=07-48.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

S FARO-ATLANTICO

LDG 8 JUN-1979 H/M/S= 3-48-23.5
 LAT N=43-06.0 LON W=00-30.0 PROF= . KM MAG=2.8
 RMS= . ERH= . KM ERZ= . KM NES= IO=

OLORON STE MARTE-FRANCA

JUN- 7 MAL E 15 43 51.3 F 15 44 8.0

SPGM 7 JUN-1979 H/M/S=15-43-10.0
 LAT N=30-54.0 LON W=04-12.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

TARGUIST-MARRUECOS

MES DIA	STA	PRK	P			S			AMP	PEH	STA-COR	DUR
			H	M	S	SRH	H	M				

LOG 13- JUN-1979 H/M/S= 6-15- 7.0
 LAT N=43-06.0 LON W=00-06.0 PROF= . KM MAG=2.3
 RMS= . ERH= . KM ERZ= . KM NFS= 10

LOURDES-FRANCIA

LOG 13- JUN-1979 H/M/S= 7-20-40.2
 LAT N=43-06.0 LON W=00-30.0 PROF= 20.0 KM MAG=2.6
 RMS= . ERH= . KM ERZ= . KM NES= 10

LARUNS-FRANCIA

LOG 15- JUN-1979 H/M/S=12-56-38.7
 LAT N=42-42.0 LON E=02-54.0 PROF= . KM MAG=2.7
 RMS= . ERH= . KM ERZ= . KM NFS= 10

PERPIGNAN-FRANCIA

JUN- 16 ALC I C 16 10 53.7 I 16 11 49.2
 CRT I C 16 10 52.4 I 16 11 46.3
 MAL E 16 11 8.5 E 16 11 23.5
 TOL E 16 11 48.0 I 16 13 14.0 0.8

SSIS 16- JUN-1979 H/M/S=16-10-54.5
 LAT N=37-11.5 LON W=03-35.8 PROF= 10.0 KM MAG=2.6
 RMS= 4.9 ERH= . KM ERZ= . KM NES= 4 IO= III

GRANADA
 III EN GRANADA

```

-----
                P                S
            -----
MES DIA  STA PRK  H M S  SHM  H M S  AMP PER STA=COR DUR
-----

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```

JUN- 16  ALC I   16 21 21.4  I  16 21 45.0  80
          CRT I C  16 21 21.1  I  16 21 43.4
          MAL E   16 21 39.0  E  16 22 24.0

```

```

SSIS  16- JUN-1979  H/M/S=16-21-20.5
        LAT N=37-11.5  LON W=03-35.8  PROF= 10.0 KM  MAG=2.6
        RMS= 1.4  ERH= .  KM  ERZ= .  KM  NES= 6  IO= III

```

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GRANADA
III EN GRANADA
MAG CALCULADA EN FUNCION DE LA DURACION DEL SISMO EN ALFACAR

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LDG  18- JUN-1979  H/M/S=22-37-50.1
        LAT N=43-06.0  LON W=00-30.0  PROF= .  KM  MAG=2.8
        RMS= .  ERH= .  KM  ERZ= .  KM  NES= 10=

```

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OLORON STE MARIE-FRANCIA

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JUN- 18  ALC I C  22 46 57.7  I  22 47 57.4
          CRT I   22 46 56.8
          TOL E   22 47 52.0  0.7  90

```

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SSIS  18- JUN-1979  H/M/S=22-46-56.2
        LAT N=37-11.5  LON W=03-35.8  PROF= 10.0 KM  MAG=2.6
        RMS= 4.9  ERH= .  KM  ERZ= .  KM  NES= 4  IO= IV

```

```

GRANADA
II EN GRANADA
IV EN ARMILLA Y CHIRRIANA

```

MES DIA	STA	PRK	P			SWH	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				
JUN- 19	ALC	I C	3	55	55,1	I	3	56	51,9				
	ALJ	E	3	56	53,0								
	ALM	I D	3	56	10,8	I	3	56	34,2				
	CRT	I	3	55	53,8								
	GUD	E	3	56	48,5	E	3	58	31,5				190
	IFR	I	3	56	54,0								
	MAL	E	3	56	5,5	I	3	56	23,5				
	MTE	E	3	57	2,2								
	TOL	E	3	56	39,0		3	57	50,5	0,1	0,9		250

SSIS 19- JUN-1979 H/M/S= 3-55-53,0
 LAT N=37-11,0 LON W=03-36,0 PROF= 10,0 KM MAG=3,2
 RMS= 4,4 ERH=27,0 KM ERZ= , KM NES= 9 IO= VI

NEIS 19- JUN-1979 H/M/S= 3-55-52,1
 LAT N=37-04,0 LON W=03-40,0 PROF= 10,0 KM MAG= .
 RMS= 1,1 ERH= , KM ERZ= , KM NES= 6 IO=

IMGP 19- JUN-1979 H/M/S= 3-55-51,9
 LAT N=37-06,0 LON W=03-36,0 PROF= , KM MAG= .
 RMS= , ERH= , KM ERZ= , KM NES= IO=

GRANADA
 VI EN ARMILLA Y CHURRIANA
 V EN GABIA Y GRANADA

MES DIA	STA	PRK	P			SHM	S			AMP	PFM	STA-COR	DUR
			H	M	S		H	M	S				
JUN- 20	ALC	I D	0	9	16.2								450
	ALI	I D	0	9	46.4				2.8	0.5			
	ALM	I	0	9	23.7	I	0	9	57.0				
	CRT	I	0	9	16.2								
	CAF		0	11	9.9		0	12	49.9				
	COI	E	0	10	16.4	I	0	11	24.8				
	ERR	I	0	10	15.5	I	0	11	23.5				
	EPP		0	10	39.9		0	12	29.2				
	FAR	I	0	9	59.0	I	0	11	38.0				
	HAU	I	0	10	23.0	I	0	11	42.0				
	IFR	I	0	10	4.1	I	0	10	50.6				
	LJS	I	0	10	14.6	I	0	11	19.2				
	LGH	I C	0	10	26.6	I	0	11	49.4	0.5	0.6		
	LFF		0	11	4.7		0	12	55.3				
	LPO		0	11	3.3		0	12	31.3				
	LRG		0	11	24.2		0	13	29.2				
	MAL	I C	0	9	23.4		0	9	58.4				
	MYE	I D	0	10	12.0	I	0	11	11.6				
	PTO	I D	0	10	26.1		0	11	50.4				
	SET		0	10	50.0								
	SFS	I	0	9	42.3	I	0	10	52.3				
	STS	I	0	10	44.2	E	0	12	50.2				
	TIO	I	0	10	45.7	I	0	12	46.7				
	TOL	I	0	9	46.5	I	0	11	3.5	1.5	0.6		450

SSIS 20- JUN-1979 H/M/S= 0- 9- 7.7
 LAT N=37-13.4 LON W=03-30.0 PROF= 60.0 KM MAG=4.5
 RMS= 0.3 ERH= 1.7 KM ERZ= . KM NES= 23 IO= VI

NEIS 20- JUN-1979 H/M/S= 0- 9- 5.3
 LAT N=37-19.0 LON W=03-29.0 PROF= 59.0 KM MAG=4.6
 RMS= 1.3 ERH= . KM ERZ= . KM NES= 64 IO=

CSFM 20- JUN-1979 H/M/S= 0- 9- 6.5
 LAT N=37-13.0 LON W=03-29.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 85 IO=

LDG 20- JUN-1979 H/M/S= 0- 9- 8.4
 LAT N=37-36.0 LON W=03-30.0 PROF= . KM MAG=5.0
 RMS= . ERH= . KM ERZ= . KM NES= IO=

MES DIA	STA	PRK	P			S			AMP	PER	STA-COR	DUR
			H	M	S	H	M	S				

SPGM 20- JUN-1979 H/M/S= 0- 9- 8,5
 LAT N=36-42,0 LON W=03-48,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

IMGP 20- JUN-1979 H/M/S= 0- 9- 5,8
 LAT N=37-16,0 LON W=03-30,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

GRANADA

PROVINCIA DE GRANADA

II EN PUEBLA DE D. FAORIQUE

III EN CANAR

IV EN BAZA, CAPILEIKA, COGOLLOS DE GUADIX, CORTES DE BAZA, GALERA, MOLIZAR, MONTEFRIO, TIMAR, SALAR, SALURRENA, VENTAS DE HUELMA,

V ALAMEDILLA, ALICUN DE URTEGA, ALQUIFF, ARMILLA, BENALUA DE LAS VILLAS, BENAMAUREL, CADTAR, COGOLLOS VEGA, COLOMERA, CULLAR BEGA, DARRO, DEHESAS DE GUADIX, DURAL, FUENTE VAQUEROS, HUESCAR, HUETOR SANTILLAN, HUETOR VEGA, IZNALLOZ, LANJARON, LANTEIRA, LOS GUAJARES, MOCLIN, MOREDA MOTRIL, ORCE, PEDRO MARTINEZ, PINOS GENIL, PINAR, SORVILAN, TREVELFZ, VALOR, VIZNAR, ZUJAR

VI ALHUNUELAS, ALFACAR, ALHENDIN, ATARFE, BELICENA, CAJAR, CALICASAS, CENES CHURRIANA, DIEZMA, G. OJAR, GRANADA, GUADAMORTINA, GUEVEJAN, LAYENA LA MALA, LA ZUPTA, MONTEJICAR, SANTA FE, PROVINCIA DE MALAGA

III EN ANTEQUERA

IV TORROX, VELEZ MALAGA

PROVINCIA DE JAEN

IV ALCALA LA REAL, BAEZA, CASTILLO DE LOCUBRIN, POZO ALCON

V CAMPILLO ARENA, FRATILES, HUFLMA, LA CAROLINA, HREDA

JUN- 20 ALC E 16 4 45,7
 ALM I C 16 4 46,6 I 16 5 50,6 0,2 0,4
 MAL E 16 4 51,5 E

SSIS 20- JUN-1979 H/M/S=16- 4-34,6
 LAT N=37-15,8 LON W=03-31,5 PROF= 52,0 KM MAG=2,8
 RMS= 2,2 FRH= . KM ERZ= . KM NES= 5 IO=

GRANADA

 P S

 MES DIA STA PRK H M S SRM H M S AMP PER STA=COR DUR

LOG 21= JUN=1979 H/M/S=11-54-56,5
 LAT N=47-36,0 LON E=00-02,0 PROF= , KM MAG=2,8
 RMS= , ERH= , KM FRZ= , KM NES= 10=

BENASQUE-HU

LOG 23= JUN=1979 H/M/S=12-46-41,7
 LAT N=45-00,0 LON E=00-06,0 PROF= 25,0 KM MAG=2,7
 RMS= , ERH= , KM FRZ= , KM NES= 10=

LOURDES-FRANCIA

SPGM 23= JUN=1979 H/M/S=18-17- 3,0
 LAT N=34-42,0 LON W=05-36,0 PROF= 33,0 KM MAG= ,
 RMS= , ERH= , KM FRZ= , KM NES= 10=

UAZAN-MARRUECOS

JUN= 24 ALC E 18 5 2,7 150
 BMO I 18 4 47,0 I 18 5 52,5
 CRT E 18 5 3,0
 MAD I 18 5 6,0
 IFR I 18 4 46,5 I 18 5 50,3
 MAL F 18 4 52,0 I 18 6 6,0
 TEC E 18 5 2,5
 TIO I 18 5 30,0 I 18 6 53,0
 TOL E 18 5 44,5 v.9 150

SSIS 24= JUN=1979 H/M/S=18- 4-22,8
 LAT N=34-48,6 LON W=04-21,4 PROF= 10,0 KM MAG=2,8
 RMS= 1,9 ERH=18,0 KM FRZ= , KM NES= 11 10=

 P S

 MES DIA STA PRK H M S SRM H M S AMP PER STA-COR DUR

SPGM 24- JUN-1979 H/M/S=18- 4-20,0
 LAT N=34-48,0 LON W=04-48,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

TARGI IST=MAHUECOS

LDG 25- JUN-1979 H/M/S= 5-21-30,0
 LAT N=44-20,0 LON E=02-36,0 PROF= 25,0 KM MAG=1,7
 RMS= . ERH= . KM FRZ= . KM NES= IO=

BARQUE DE FRAYSSY=FRANCIA

LDG 25- JUN-1979 H/M/S=14-58-58,6
 LAT N=43-06,0 LON E= 0-00,0 PROF= 5,0 KM MAG=3,0
 RMS= . ERH= . KM FRZ= . KM NES= IO=

TARBFS=FRANCIA

JUN= 28 CRT I C 11 14 9,6 I 11 14 11,1

SSIS 28- JUN-1979 H/M/S=11-14- 9,0
 LAT N=37-20,0 LON W=03-38,0 PROF= . KM MAG=1,8
 RMS= . ERH= . KM FRZ= . KM NES= IO= III

GRANADA
 III EN GRANADA
 LOCALIZADO CON INFORMACION MACROSISMICA

MES	DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
				H	M	S		H	M	S				
JUN	30	ALC	F	1	45	21,0	F	1	46	29,5				
		ALI	F	1	45	19,4								
		ALM	I C	1	45	35,3	I	1	46	55,5				
		CAF		1	45	57,8								
		CRT	I C	1	45	32,3	I	1	46	46,3				
		COI	E	1	45	44,7	I	1	47	20,7				
		EBM	E	1	45	10,7	E	1	45	53,9				
		EPF		1	45	28,0								
		GUD	E	1	44	54,8							240	
		LFF		1	45	52,7								
		LGR	I	1	45	16,8	I	1	46	5,9				
		LPO		1	45	50,8								
		MTE	E	1	45	35,0		1	47	11,0				
		PTO	E	1	45	42,6	F	1	47	22,5				
		TOL	I	1	44	58,5	I	1	46	14,5	2,1	4,4		

SSIS 30= JUN=1979 H/M/S= 1-44-38,3
 LAT N=40-24,0 LON W=02-34,2 PROF= 10,0 KM MAG=0,1
 RMS= 3,0 ERH= 16,0 KM ERZ= . KM NES= 16 IO=

NETS 30= JUN=1979 H/M/S= 1-44-34,4
 LAT N=40-38,0 LON W=02-35,0 PROF= 10,0 KM MAG= .
 RMS= 1,3 ERH= . KM ERZ= . KM NES= 24 IO=

ALCOCER-CU

CSEH 30= JUN=1979 H/M/S= 1-45- 5,5
 LAT N=42-35,0 LON W=01-25,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 19 IO=

LIG 30= JUN=1979 H/M/S= 1-45- 7,2
 LAT N=42-34,0 LON W=01-06,0 PROF= . KM MAG=3,3
 RMS= . ERH= . KM ERZ= . KM NES= IO=

SUS DEL REY CATOLICO-2

MES DIA	STA	PRK	P			SRM	S			AMP	PEK	STA-COR	DUR
			H	M	S		H	M	S				
JUN- 30	ALC	E	2	8	9.2	E	2	9	5.2				
	ALI	E	2	8	6.7	F	2	8	32.9				
	ALM	I D	2	8	25.3	I	2	9	35.3				
	CHT	I C	2	8	21.0	I	2	9	23.4				
	COI	E	2	8	32.7	I	2	9	57.7				
	FBR	E	2	8	0.0								
	FPP		2	8	16.5								
	GUI	I	2	7	48.3								
	IFR	I	2	9	5.0								
	LEF		2	8	40.9								
	LGR	J	2	8	6.6	I	2	8	44.7	0.7	0.7		
	LPI		2	8	39.6		2	10	15.1				
	MAL	I	2	8	35.5	I	2	9	56.0	0.1	0.6		
	MTE	E	2	8	23.0		2	4	28.5				
	PTO	E	2	8	34.6		2	10	1.2				
	TOL	I	2	7	46.8	I	2	8	52.8				350

SSIS 30- JUN-1979 H/M/S= 2- 7-27.5
 LAT N=40-24.9 LON W=02-34.4 PROF= 10.0 KM MAG=3.0
 RMS= 3.9 ERH=20.0 KM ERZ= . KM NES= 16 IO=

NETS 30- JUN-1979 H/M/S= 2- 7-23.1
 LAT N=40-34.0 LON W=02-32.0 PROF= 10.0 KM MAG= .
 RMS= 1.4 ERH= . KM ERZ= . KM NES= 12 IO=

CSEM 30- JUN-1979 H/M/S= 2- 7-26.0
 LAT N=40-40.0 LON W=02-44.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 16 IO=

IMGP 30- JUN-1979 H/M/S= 2- 7-25.0
 LAT N=58-50.0 LON W=03-05.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

ALCOCER-CU

SPGH 30- JUN-1979 H/M/S=14-17-17.0
 LAT N=36-18.0 LON W=09-54.0 PROF= 33.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

SW C S VICENTE-ATLANTICO

 P S

 MES DIA STA PRK H M S HRM H M S AMP PEN STA=CON DUR

JUL- 1 ERM E 10 47 52.2 F 10 48 21.7

LOG 1= JUL-1974 H/M/S=10-47-12.8
 LAT N=42-42.0 LON E=02-00.0 PROF= 5.0 KM MAG=3.5
 RMS= . ERH= . KM ERZ= . KM NES= 10

BEUCAIRE-FRANCIA

JUL- 1 ALC I 12 43 45.5
 ALM I 12 43 41.8 I 12 44 33.0 0.3 0.2
 CRT E 12 43 45.0 I 12 44 40.7
 MAL E 12 43 51.0 E 12 44 49.5

SSIS 1= JUL-1974 H/M/S=12-43-31.7
 LAT N=36-37.0 LON W=03-02.3 PROF= 10.0 KM MAG=2.5
 RMS= 0.2 ERH= . KM ERZ= . KM NES= 4 10

S ADPA-ALBORAN

JUL- 3 ALC I 7 34 52.3
 ALM I C 7 34 44.5 I 7 35 32.9
 CRT E 7 34 56.0 F 7 36 0.5

SSIS 3= JUL-1974 H/M/S= 7-34-38.8
 LAT N=37-46.6 LON W=02-30.0 PROF= 20.0 KM MAG=2.3
 RMS= 0.9 ERH= . KM ERZ= . KM NES= 5 10

GERGAL-AL

 P S

 MES DIA STA PRK H M S SRM H M S AMP PEN STA-COR DUR

SPGM 5- JUL-1979 H/M/S=23-32-57.5
 LAT N=34-54.0 LON W=05-36.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 10=

UAZAN=MARKUECOS

JUL- 6 CAF 12 0 29.0
 EBR F 12 0 31.5 E 12 1 41.5
 EPF 11 59 58.4 12 1 4.6
 GUN E 12 0 47.5
 LGR I 12 0 21.1 I 12 1 3.8 0.2 0.7
 LPO 12 0 22.3
 LMG 12 1 1.9
 TOL E 12 1 10.0 I 12 1 53.0

SSIS 6- JUL-1979 H/M/S=11-59-52.4
 LAT N=43-21.4 LON W=00-16.6 PROF= 5.0 KM MAG=3.8
 RMS= 3.4 ERH= . KM ERZ= . KM NES= 7 IO=

LDG 6- JUL-1979 H/M/S=11-59-48.9
 LAT N=43-00.0 LON W=00-24.0 PROF= 5.0 KM MAG=4.0
 RMS= . ERH= . KM ERZ= . KM NES= 10=

PAII=FRANCIA

JUL- 7 ALC I 21 29 38.0 I 21 30 30.5 80
 CRT E 21 29 39.0
 MAL E C 21 29 27.0 21 29 59.0

SSIS 7- JUL-1979 H/M/S=21-29-19.9
 LAT N=36-54.9 LON W=04-47.5 PROF= 5.0 KM MAG=2.6
 RMS= 0.6 ERH= . KM ERZ= . KM NES= 5 IO=

ARDALES=MA
 MAG CALCULADA EN FUNCION DE LA DURACION DEL SISMO EN ALFACAR

 P S

 MES DIA STA PRK H M S SWM H M S AMP PER STA=COR DUR

LOG A= JUL-1979 H/M/S=14-51-57.3
 LAT N=43-06.0 LON W=00-24.0 PROF= . KM MAG=1.8
 RMS= . FRM= . KM ERZ= . KM NES= 10

PAU-FRANCIA

JUL- 13 CRT I 1 27 2.6 I 1 27 4.7

SSIS 13= JUL-1979 H/M/S= 1-27- 0.0
 LAT N=37-12.0 LON W=03-34.0 PROF= . KM MAG=2.2
 RMS= . FRM= . KM ERZ= . KM NES= 10 ITI

GRANADA
 III FN GRANADA
 LOCALIZADO CON INFORMACION MACROSISMICA

JUL- 16 ALG I 21 0 3.6 I 21 0 28.1
 CRT I C 21 0 5.5
 COT E 21 1 18.7
 GUD E 21 0 31.7
 MAL I C 20 59 54.5 I 21 1 3.0
 MTE 21 1 15.0
 PYD 21 1 24.3 21 2 32.5
 TOL E 21 0 43.0 I 21 1 57.5 0.1 0.8

SSIS 16= JUL-1979 H/M/S=21- 0- 0.6
 LAT N=37-10.7 LON W=03-12.9 PROF= 5.0 KM MAG=3.0
 RMS= 2.5 FRM= . KM ERZ= . KM NES= 7 10

GUADIX=GR

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				
JUL- 19	ALC	I C	22	6	59,5	I	22	8	4,7				150
	ALM	I D	22	7	16,0	I	22	7	47,2				
	CRT	I C	22	6	59,6		22	8	4,8				
	GUD	I	22	7	53,3	I	22	9	29,3				
	IFR	E	22	7	51,0	I	22	9	22,5				
	MAL	I C	22	7	4,0	I	22	7	18,0				
	TOL	E	22	7	41,0	E	22	8	44,0	0,2	0,9		100
SSIS			19- JUL-1979			M/M/S=22-6-54,9							
			LAT N=36-59,4			LON W=03-48,1			PRIF= 10,0 KM MAG=3,4				
			RMS= 1,7			ERH= 7,0 KM			FRZ= . KM NES= 7 IO=				

PADUL-GR
 III EN GRANADA Y ARMILLA
 IV EN CHURRIANA

JUL- 25	ALC	I	22	28	46,6								100
	ALI	E	22	28	54,5	E	22	30	10,0				
	ALM	I C	22	28	33,9	I	22	29	18,2				
	CRT	I D	22	28	49,2								
	GUD	E	22	29	34,7	F	22	30	59,7				120
	MAL	E	22	29	2,0	E	22	29	37,0				
	TOL	E	22	29	23,0	I	22	30	27,0	0,1	0,6		100
SSIS			25- JUL-1979			M/M/S=22-28-21,0							
			LAT N=36-12,7			LON W=01-30,0			PROF= 40,0 KM MAG=3,6				
			RMS= 3,3			ERH= . KM			ERZ= . KM NES= 7 IO=				

SE C DF GATA-MEDITERRANEO
 III EN GARRIUCHA

SPGM	29- JUL-1979		M/M/S=10-57-50,0									
	LAT N=35-06,0			LON W=05-24,0			PROF= 33,0 KM MAG= .					
	RMS= .			ERH= . KM			FRZ= . KM NES= IO=					

MES DIA	STA	PRK	P			RKM	S			AMP	PKR	STA=COR	DUR
			H	M	S		H	M	S				

ULAG H DAUD-MARRUECOS

JUL- 30	ALC	I C	0	55	27,7	I	0	55	57,4				190
	ALI	E	0	56	12,5	F	0	57	1,5	0,4	0,8		
	ALM	I C	0	55	42,8	I	0	56	42,7				
	ALR	I	0	55	48,2	I	0	56	58,2				
	AMN	E	0	56	14,0								
	COI	E	0	56	38,3								
	CRT	I C	0	55	26,7								
	EHR	E	0	56	41,0								
	GUD	I	0	56	22,4	E	0	57	35,7				
	HAD	E	0	56	47,0								
	TFH	I	0	56	25,0								
	LGR	E	0	56	44,5	F	0	58	39,5				
	MAL	I C	0	55	37,5	I	0	56	25,5				
	MTE	E D	0	56	34,0								
	PTD	E	0	56	49,9								
	TAF	I	0	56	7,0								
	TEC	E	0	56	13,5								
	TOL	E	0	56	20,0	I	0	57	13,0				

SSIS 30- JUL-1979 H/M/S= 0-55-24,7
 LAT N=37-06,1 LON W=03-35,7 PROF= 10,0 KM MAG=3,7
 RMS= 2,4 ERH= 0,0 KM FRZ= . KM NES= 17 IO= VI

IMGP 30- JUL-1979 H/M/S= 0-55-24,7
 LAT N=36-53,0 LON W=03-36,0 PROF= 33,0 KM MAG= .
 RMS= . ERH= . KM FRZ= . KM NES= IO=

GRANADA
 V EN GRANADA
 VI EN ARMILLA

JUL- 30	ALM	I	4	35	10,6	I	4	35	35,3	0,3	0,6		
	CRT	I C	4	34	50,6	I	4	35	42,2				
	MAL	E	4	35	6,0	F	4	35	21,0				
	TOL	F	4	35	45,0	J	4	37	6,0				

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MES DIA	STA	PR	P			SRM	S			AMP	PFR	STA-COR	DUR
			H	M	S		H	M	S				

SSIS 30- JUL-1979 H/M/S=4-34-44.8
 LAT N=36-52.3 LON W=03-35.7 PROF= 5.0 KM MAG=3.0
 RMS= 5.0 ERH= . KM ERZ= . KM NES= 4 IO=

PACUL-GR
 III FN CHURRIANA

JUL- 31	ALC	I C	21	43	21.9	J	21	43	46.1				190
	ALI	E	21	44	9.8	E	21	45	2.3				
	ALM	I	21	43	37.7								
	BMO	E	21	44	11.0								
	CAF		21	45	29.4								
	CRT	I	21	43	21.4								
	COI	E	21	44	29.6	I	21	45	57.9				
	EBR	F	21	44	37.5								
	EPF		21	44	59.0				21	47	12.3		
	GLD	I	21	44	16.6	I	21	45	26.6				240
	IFR	I	21	44	21.0								
	IFF		21	45	23.8								
	LGR	E	21	44	43.4	I	21	46	25.9				
	LPD		21	45	23.9								
	MAL	I	21	43	33.0	I	21	44	14.0				
	MTE	F	21	44	28.9	F	21	46	16.4				
	MZF		21	45	47.7								
	PTO	E	21	44	42.1				21	46	27.9		
	TAF	I	21	44	2.8								
	TEC	E	21	44	6.0								
	TOL	E	21	44	5.5				21	44	43.0	0.8 1.0	300

SSIS 31- JUL-1979 H/M/S=21-43-18.0
 LAT N=37-04.6 LON W=03-43.2 PROF= 10.0 KM MAG=3.9
 RMS= 2.3 ERH= 8.0 KM ERZ= . KM NES= 20 IO= VI

CSFM 31- JUL-1979 H/M/S=21-43-20.9
 LAT N=37-07.0 LON W=03-44.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 17 IO=

LUG 31- JUL-1979 H/M/S=21-43-19.6
 LAT N=36-54.0 LON W=03-30.0 PROF= . KM MAG=3.7
 RMS= . ERH= . KM ERZ= . KM NES= 10=

 P S

 MES DIA STA PRK H M S SRM H M S AMP PER STA=COR DUR

INGP 31- JUL-1979 H/M/S=21-43-21,7
 LAT N=37-11,0 LON W=03-36,0 PROF= 33,0 KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= IO=

GRANADA
 V EN GRANADA
 VI EN ARMILLA

AGO- 1 CRT I C 7 4 29,4 I 7 4 30,4
 SSIS 1- AGO-1979 H/M/S= 7- 4-28,4
 LAT N=37-11,0 LON W=03-38,0 PROF= , KM MAG=2,0
 RMS= , ERH= , KM ERZ= , KM NES= IO=

GRANADA
 LOCALIZADO CON INFORMACION MACROSISMICA

AGO- 2 CRT I C 14 5 55,3 E 14 5 56,7
 SSIS 2- AGO-1979 H/M/S=14- 5-54,0
 LAT N=37-10,0 LON W=03-38,0 PROF= , KM MAG=1,8
 RMS= , ERH= , KM ERZ= , KM NES= IO= III

GRANADA
 III EN ARMILLA
 LOCALIZADO CON INFORMACION MACROSISMICA

AGO- 3 ALC I 14 4 9,0 I 14 4 20,0 100
 ALM I D 14 4 28,3 I 14 5 5,5
 CRT I C 14 4 7,7
 GUD F 14 5 6,7 E 14 6 3,4 120
 MAL I 14 4 21,0 I 14 4 52,5
 TOL E 14 4 58,5 I 14 6 38,0 0,1 0,8 115

MES DIA	STA	PRK	P			SRM	S			AMP	PFR	STA-COR	DUR
			H	M	S		H	M	S				

SSIS 3- AGO-1979 H/M/S=14- 4- 8.0
 LAT N=37-00.2 LON W=03-35.7 PROF= 5.0 KM MAG=3.2
 RMS= 3.9 ERH= 8.0 KM ERZ= . KM NES= 6 IO=

GRANADA
 III FN ARMILLA
 IV FN GRANADA

AGO= 8	ALC	E	11	21	20.7	E	11	22	3.7				50
	ALM	I C	11	21	28.1	I	11	22	1.3				
	GUD	E	11	21	29.3	I	11	22	24.3				
	TOL	E	11	21	17.0	I	11	21	50.0				55

SSIS 8- AGO-1979 H/M/S=11-20-55.9
 LAT N=38-41.9 LON W=03-29.1 PROF= 5.0 KM MAG=2.3
 RMS= 0.7 ERH= . KM ERZ= . KM NES= 4 IO=

VALDEPENAS=CR
 MAG CALCULADA EN FUNCION DE LA DURACION DEL SISMO EN ALFACAR

AGO= 9	GUD	I	11	22	16.5	I	11	23	28.6				
--------	-----	---	----	----	------	---	----	----	------	--	--	--	--

SPGM 9- AGO-1979 H/M/S= 0-20-42.0
 LAT N=35-42.0 LON W=10-06.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

SW C S VICENTE=ATLANTICO

AGO= 9	ALC	I	11	46	45.0	I	11	47	32.0				120
	ALM	I D	11	47	9.9	I	11	47	23.0				
	CRT	I	11	46	43.7								
	GUD	I	11	47	23.1	I	11	48	11.7				
	MAL	E	11	46	57.0	I	11	48	2.3				
	TOL	F	11	47	26.0	I	11	48	26.2	0.2	0.8		180

```

-----
                P                S
                -----
MES DIA  STA PRX  H M S  SRM  H M S  AMP PER STA=CDR DUR
-----

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SSIS 9- AGO-1979 H/M/S=11-46-40.3
 LAT N=37-28.2 LON W=03-56.0 PROF= 10.0 KM MAG=3.2
 RMS= 4.4 ERH= . KM ERZ= . KM NES= 6 IO=

ALCALA LA REAL-J
 IIT EN PUPCHIL Y AMHILLA
 IV EN MARACENA
 IV-V EN GRANADA

```

AGO- 9  ALC I 12 48 1.7 I 12 48 5.4 100
        ALM I D 12 48 23.7 I 12 48 57.9
        CRT I 12 48 1.0
        GUO E 12 49 8.0
        LGH E 12 49 27.0 E 12 50 52.0
        MAL E 12 48 16.0 I 12 48 39.0
        TOL E 12 48 58.5 I 12 50 33.5 0.1 0.7 120

```

SSIS 9- AGO-1979 H/M/S=12-47-58.7
 LAT N=36-52.9 LON W=03-35.7 PROF= 5.0 KM MAG=3.3
 RMS= 6.6 ERH=20.0 KM ERZ= . KM NES= 7 IO=

LANJARON-GR
 III-IV EN GRANADA

```

AGO- 9  CRT I 12 51 52.4
        SSIS 9- AGO-1979 H/M/S=12-51-50.0
        LAT N=37-12.0 LON W=03-34.0 PROF= . KM MAG=2.0
        RMS= . ERH= . KM ERZ= . KM NES= 10= II

```

GRANADA
 II EN GRANADA
 LOCALIZADO CON INFORMACION MACROSISMICA

P S

MES DIA STA PRX H M S SHM H M S AMP PER STA-COR DUR

SPGM 9- AGO-1979 H/M/S=13-57- 7.6
LAT N=34-54.0 LON W=04-30.0 PROF= . KM MAG= .
RMS= . ERH= . KM FRZ= . KM NES= 10

TARGUIST-MARRUECOS

AGO- 9 ALC I C 23 39 28.8 I 23 39 59.6 110
ALM I C 23 39 48.8 I 23 40 49.9
CRT I C 23 39 28.4 I 23 39 59.2
GUD E 23 40 34.0
MAL E 23 39 42.3 I 23 40 32.8
TOL E 23 40 23.5 I 23 41 25.0 0.1 0.8 110

SSIS 9- AGO-1979 H/M/S=23-39-25.8
LAT N=36-54.8 LON W=03-35.7 PROF= 10.0 KM MAG=3.0
RMS= 6.6 ERH= 9.0 KM FRZ= . KM NES= 6 IO

LANJARDN=GR
IV EN GRANADA

AGO- 10 ALC I C 1 48 7.0 I 1 48 16.0 100.0
CRT I 1 48 6.0 I 1 48 13.6
MAL E 1 48 21.0 I 1 48 49.7
TOL E 1 48 56.5 I 1 50 29.0 0.1 0.8 85

SSIS 10- AGO-1979 H/M/S= 1-48- 6.0
LAT N=37-11.5 LON W=03-35.7 PROF= 5.0 KM MAG=2.8
RMS= 3.2 ERH= . KM FRZ= . KM NES= 4 IO III

GRANADA
III EN GRANADA

MES DIA	STA	PRK	P			SHM	S			AMP	PFR	STA-COR	DUR
			H	M	S		H	M	S				

AGO- 10 ALM I 5 2 49.7 I 5 3 44.3
 ALM E 5 2 57.0
 CRT F 5 2 56.7 I 5 4 0.9
 GUD E 5 3 55.5
 MAL F 5 3 5.0 I 5 3 25.0
 TOL F 5 3 51.0 I 5 4 26.0 P.1 U.A

SSIS 10- AGO-1979 H/M/S= 5- 2-41.4
 LAT N=36-16.2 LON W=02-27.4 PROF= 40.0 KM MAG=3.1
 RMS= 4.9 FRM= . KM FRZ= . KM NES= 5 IO=

S ALMERIA-ALHORA

AGO- 12 ALC I C 9 16 25.1 I 9 16 52.2
 CRT I 9 16 25.2 I 9 16 51.5
 MAL E 9 16 43.0 I 9 17 31.0
 TOL E 9 17 22.0 F 9 18 16.0 P.8 A2.0

SSIS 12- AGO-1979 H/M/S= 9-16-24.1
 LAT N=37-02.8 LON W=03-33.3 PROF= 5.0 KM MAG=2.5
 RMS= 6.2 FRM= . KM FRZ= . KM NES= 4 IO=

PADUL-GR
 III EN ARMILLA Y GRANADA

AGO- 18 CAF 0 36 38.2
 FRM E 0 36 43.0 0 37 55.0
 GUD E 0 37 8.6 0 38 0.9
 LFF 0 36 34.4
 LGR F 0 36 46.4 F 0 38 2.4
 LPD 0 36 32.2

 P S

 MES DIA STA PRK H M S SHM H M S AMP PER STA=COR DUR

SSIS 18- AGO-1979 H/M/S= 0-36- 6,2
 LAT N=43-13,2 LON F=00-45,4 PROF= 5,0 KM MAG= .
 RMS= 1,0 FRH=12,0 KM FRZ= . KM NFS= 9 ION

LUG 18- AGO-1979 H/M/S= 0-36- 5,6
 LAT N=43-06,0 LON F=00-36,0 PROF= 15,0 KM MAG=3,7
 RMS= . FRH= . KM FRZ= . KM NFS= ION

SAINT GAUDENS=FRANCIA

SPGH 18- AGO-1979 H/M/S= 6- 8-44,8
 LAT N=36-00,0 LON W=07-42,0 PROF= . KM MAG= .
 RMS= . FRH= . KM FRZ= . KM NFS= ION

S FARD=ATLANTICO

AGO- 19 ALC I 4 27 00,9 I 4 28 23,8 10V
 ALM I C 4 28 1,4 I 4 28 20,2
 CRT I C 4 27 39,7
 GUD E 4 28 45,4 E 4 30 17,5
 MAL E 4 27 53,0 I 4 28 55,7
 TDI. E 4 28 26,5 I 4 29 22,0 0,2 0,8 11A

SSIS 19- AGO-1979 H/M/S= 4-27-39,5
 LAT N=57-11,5 LON W=03-35,7 PROF= 5,0 KM MAG=3,4
 RMS= 4,1 FRH= . KM FRZ= . KM NFS= 6 ION V

GRANADA
 IV EN GRANADA
 V EN CHURRTANA Y ARMILLA

AGO- 19 CRT E 4 28 13,4

 P S

 MES DIA STA PRK H M S SRM H M S AMP PEH STA-COR DUR

SSIS 19- AGO-1979 H/M/S= 4-28- 4.0
 LAT N=37-11.0 LON W=03-41.0 PROF# . KM MAG=2.9
 RMS# . ERH# . KM FRZ# . KM NFS# 10# IV

GRANADA
 III EN GRANADA
 IV EN CHURRIANA Y ARMILLA
 LOCALIZADO CON INFORMACION MACROSISTICA

AGO- 19 ALC I C 21 10 1.0
 CRT I C 21 9 59.9
 MAL F 21 10 17.0 I 21 10 59.5

SSIS 19- AGO-1979 H/M/S=21- 9-59.0
 LAT N=37-11.5 LON W=03-35.7 PROF# 5.0 KM MAG=2.3
 RMS# 1.8 ERH# . KM FRZ# . KM NFS# 4 IO#

GRANADA
 MAG CALCULADA EN FUNCION DE LA DURACION DEL SISMO EN ALFACAR

AGO- 22 CRT I C R 47 29.4 I R 47 51.0

SSIS 22- AGO-1979 H/M/S= 8-47-28.0
 LAT N=37-12.0 LON W=03-34.0 PROF# . KM MAG=2.0
 RMS# . ERH# . KM FRZ# . KM NFS# 10# II

GRANADA
 II EN ZATON
 LOCALIZADO CON INFORMACION MACROSISTICA

AGO- 24 ALC E 16 20 55.0 F 16 21 52.1
 CRT I C 16 20 53.7
 GUD E 16 22 0.6
 MAL E 16 21 4.2 I 16 21 19.2
 TOL 16 21 51.0 E 16 22 25.5 0.1 0.8

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-----
                P                S
                -----
MES DIA  STA PRK  H M S  SRM  H M S  AMP PER STA=COR DUR
-----

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SSIS 24- AGO-1979 H/M/S=16-20-52,0
 LAT N=37-09,9 LON W=03-44,6 PROF= 5,0 KM MAG=2,8
 RMS= 3,7 ERH= , KM ERZ= , KM NES= 6 IO= IV

SANTAFE-GR
 III-IV EN ARMILLA, GRANADA, CHURRIANA Y MARACENA

AGO- 24 ALC E 16 56 16,2 E 16 56 34,4
 CRT I C 16 56 14,8
 MAL E 16 56 34,0 E 16 57 12,5
 TOL 16 57 16,5 F 16 57 44,0 0,6

SSIS 24- AGO-1979 H/M/S=16-56-14,0
 LAT N=37-11,5 LON W=03-35,7 PROF= 5,0 KM MAG=2,4
 RMS= 2,0 ERH= , KM ERZ= , KM NES= 5 IO= III

GRANADA
 III EN ARMILLA Y CHURRIANA

AGO- 27 ALC E 5 0 35,0 E 5 1 49,0 100
 ALI E 5 0 0,0 E 5 0 6,6
 CRT E 5 0 43,0 E 5 2 11,0
 GUD F 5 0 59,7 E 5 2 46,4
 TOL E 5 0 51,0 E 5 2 10,0 0,1 0,6 100

SSIS 27- AGO-1979 H/M/S= 4-59-54,6
 LAT N=38-03,6 LON W=00-05,1 PROF= 5,0 KM MAG=3,0
 RMS= 3,2 ERH= , KM ERZ= , KM NES= 5 IO=

SE ALICANTE-MEDITERRANEO

		P			S								
MES DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR

LDG 27- AGO-1979 H/M/S=19-18-34.0
 LAT N=43-06.0 LON W=00-24.0 PROF# . KM MAG=2.2
 RMS# . ERM# . KM FRZ# . KM NES# 10#

TARBFS-FRANCIA

LDG 1- SEP-1979 H/M/S= 9-16- 4.6
 LAT N=43-36.0 LON E=04-36.0 PROF# 5.0 KM MAG=3.0
 RMS# . ERM# . KM FRZ# . KM NFS# 10#

ARLES-FRANCIA

SPGM 2- SEP-1979 H/M/S= 4-29-18.5
 LAT N=35-54.0 LON W=08-00.0 PROF# . KM MAG# .
 RMS# . ERM# . KM FRZ# . KM NES# 10#

S FARO-ATLANTICO

SEP- 3	ALM	E	20	29	21.2								
	AVE	E	20	29	14.0	I	20	30	33.0				
	BMO	I	20	29	0.5	I	20	29	52.2				
	CAF		20	30	7.8								
	CRT	E	20	29	1.0								
	COI	E	20	28	20.3	I	20	28	59.6				
	EPF		20	29	41.3		20	32	16.3				
	FAR	C	20	28	24.5		20	29	12.0				
	GUD	I	20	28	44.5		20	30	14.5				
	HAD	E	20	29	38.0	E	20	31	34.0				
	IFR	E	20	29	16.0	I	20	30	33.0				
	LIS		20	28	12.0		20	28	38.4				
	LFF		20	29	58.3								
	LPO		20	29	59.9								
	MAL	E	20	28	51.5								
	MTE	C	20	28	20.0		20	29	2.3				
	PTO	D	20	28	37.1		20	29	36.6				
	TIO	E	20	29	48.0								
	TOL	I D	20	28	41.0	E	20	29	57.0	0.7	0.6		320

MES DIA	STA	PRK	P			SRM	S			AMP	PFR	STA-COR	DUR
			H	M	S		H	M	S				
	SSIS	3- SEP-1979	H/M/S=20-27-56.2										
			LAT N=38-50.0	LON W=07-57.3		PROF=	5.0	KM	MAG=	4.2			
			RMS=	3.5	ERH=	.	KM	FRZ=	9.0	KM	NES=	20	IO=
	CSEM	3- SEP-1979	H/M/S=20-27-53.0										
			LAT N=38-49.0	LON W=07-49.0		PROF=	.	KM	MAG=	.			
			RMS=	.	ERH=	.	KM	FRZ=	.	KM	NES=	20	IO=
	SPGM	3- SEP-1979	H/M/S=20-27-55.3										
			LAT N=38-48.0	LON W=07-06.0		PROF=	.	KM	MAG=	.			
			RMS=	.	ERH=	.	KM	FRZ=	.	KM	NES=		IO=
	IMGP	3- SEP-1979	H/M/S=20-27-54.3										
			LAT N=38-49.0	LON W=07-48.0		PROF=	.	KM	MAG=	.			
			RMS=	.	ERH=	.	KM	FRZ=	.	KM	NES=		IO=

PAVIA-PORTUGAL

IV EN REGION DE EVORA(INGP)

SEP- 6	ALC	I	18	14	48.7	I	18	16	31.9				
	AVE	I	18	14	34.2	I	18	15	50.7				
	COI	I C	18	14	31.3	I	18	15	41.0				
	EPF		18	15	56.7		18	18	35.7				
	FAR		18	13	59.0		18	15	13.2				
	GIID	I	18	15	0.2	I	18	16	2.3				180
	HAD	I	18	15	9.0	I	18	16	26.5				
	IFR	I	18	14	47.0	I	18	16	25.0				
	LTS	E	18	14	10.0	F	18	14	41.7				
	MTE		18	14	36.1		18	15	54.6				
	PTD	E	18	14	38.0		18	16	7.0				
	STS	E	18	15	5.0	F	18	16	13.0				
	TAF	I	18	15	4.0	I	18	16	12.0				
	TIO	I	18	15	7.0	I	18	16	22.0				
	TOL	I D	18	14	55.0	F	18	14	47.5	0.1	V.M		
	SSIS	6- SEP-1979	H/M/S=18-13-37.0										
			LAT N=36-47.9	LON W=09-51.0		PROF=	10.0	KM	MAG=	3.3			
			RMS=	1.6	ERH=	.	KM	FRZ=	6.0	KM	NES=	30	IO=

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-----
                P                S
                -----
MES DIA  STA PRK  H  M  S  SWH  H  M  S  AMP PER STA=COR DUR
-----

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IMGP      6- SEP-1979  H/M/S=18-13-38,8
          LAT N=36-58,0  LON W=09-26,0  PROF#      KM  MAG#
          RMS#      ERH#      KM  ERZ#      KM  NES#  IO#

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```

SPGM      6- SEP-1979  H/M/S=18-13-40,5
          LAT N=36-42,0  LON W=08-54,0  PROF#      KM  MAG#
          RMS#      ERH#      KM  ERZ#      KM  NES#  IO#

```

SW C S VICENTE-ATLANTICO

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SEP- 12  CRT  I  C  3 36 35,0  I  3 36 36,7

SSIS      12- SEP-1979  H/M/S= 3-36-33,0
          LAT N=37-12,0  LON W=03-34,0  PROF#      KM  MAG#1,7
          RMS#      ERH#      KM  ERZ#      KM  NES#  IO# III

```

GRANADA
III EN GRANADA
LOCALIZADO CON INFORMACION MACROSISMICA

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LDG      13- SEP-1979  H/M/S=22-32-43,6
          LAT N=43-06,0  LON E=00-24,0  PROF#      KM  MAG#2,8
          RMS#      ERH#      KM  ERZ#      KM  NES#  IO#

```

TARRES-FRANCIA

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SEP- 14  LGR  E  12 59 57,2  1  13 0  5,5  0,1  0,8

LDG      14- SEP-1979  H/M/S=12-56-31,4
          LAT N=43-06,0  LON W=00-24,0  PROF#      KM  MAG#2,6
          RMS#      ERH#      KM  ERZ#      KM  NES#  IO#

```

TARRES-FRANCIA

P S

MES DIA STA PRK H M S SHM H M S AMP PER STA=COR DUR

LDG 15 SEP-1979 H/M/S= 6-11-58,4
LAT N=36-36,0 LON E=01-24,0 PROF= . KM MAG=3,6
RMS= . ERH= . KM ERZ= . KM NES= IO=

E TENES-MEDITERRANEO

LDG 17 SEP-1979 H/M/S=15-48-10,5
LAT N=42-08,0 LON E=01-49,0 PROF= . KM MAG=2,6
RMS= . ERH= . KM ERZ= . KM NES= IO=

TARASCON SUR ARIEGE-FRANCIA

LDG 18 SEP-1979 H/M/S= 4-40-52,3
LAT N=43-06,0 LON W=00-36,0 PROF= . KM MAG=2,9
RMS= . ERH= . KM ERZ= . KM NES= IO=

OLORON STE MARIE-FRANCIA

IMGP 19 SEP-1979 H/M/S= 4- 2-51,4
LAT N=41-19,0 LON W=07-26,0 PROF= 33,0 KM MAG= .
RMS= . ERH= . KM ERZ= . KM NES= IO=

VILA REAL-PORTUGAL

MES DIA	STA	PRK	P			RRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				
SEP-19	ALC	I	19	33	37,0								300
	ALT	F	19	34	28,5	F	19	35	43,0				
	ALM	I	19	33	53,2	I	19	35	0,4				
	AVE	I	19	34	42,5	I	19	36	22,5				
	CRT	I D	19	33	36,4	I	19	33	41,0				
	COI	E	19	34	41,0	I	19	36	13,7				
	GUD	E	19	34	24,2								215
	MAD	I	19	34	52,5	E	19	36	50,5				
	MAL	I	19	33	40,0	I	19	33	47,0				
	MTE	E	19	34	37,0	E	19	36	11,6				
	PTO	F	19	34	51,5								
	TAF	I	19	34	12,0	I	19	35	58,0				
	TEC	E	19	34	20,0								
	TIO	E	19	35	9,5	E	19	36	37,0				
	TOL	I	19	34	23,5	E	19	35	15,5	0,6	1,0		300

SSIS 19- SEP-1979 H/M/S=19-33-32,0
 LAT N=37-03,0 LON W=04-00,0 PROF= 10,0 KM MAG=3,8
 RMS= 3,2 ERH=12,0 KM ERZ= , KM NES= 15 IO= v

CSEM 19- SEP-1979 H/M/S=19-33-34,3
 LAT N=36-39,0 LON W=04-42,0 PROF= 10,0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

SPGM 19- SEP-1979 H/M/S=19-33-26,5
 LAT N=37-18,0 LON W=04-18,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

IMGP 19- SEP-1979 H/M/S=19-33-30,7
 LAT N=37-02,0 LON W=03-58,0 PROF= 33,0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

ALHAMA DE GRANADA-GH
 III EN GRANADA
 V EN JAYENA, ARENAS DEL REY Y ALHAMA

MES DIA	STA	PRK	P			SKM	S			AMP	PER	STA=CON	DUR
			H	M	S		H	M	S				
SEP- 19	ALC	I	22	43	19,4								200
	ALI	E	22	43	37,5								
	ALM	I	22	43	7,1	I	22	43	18,4				
	CRT	I	22	43	21,5	I	22	43	57,0				
	COI	I	22	44	26,0	I	22	46	28,0				
	EPF		22	44	40,9		22	46	58,9				
	GUD	I	22	43	59,8	E	22	46	0,3				
	MAL	I	22	43	31,0	I	22	44	24,7				
	MTE	F	22	44	20,0	F	22	45	37,7				
	PTO	F	22	44	42,7		22	46	25,1				
	TEC	I	22	43	34,5								
	TOL	F	22	43	54,5	E	22	45	26,0	0,2	0,6		200

SSIS 19- SEP-1979 H/M/S=22-43- 4,5
 LAT N=36-51,2 LON W=02-27,4 PROF= 10,0 KM MAG=3,6
 RMS= 2,1 ERH=16,0 KM ERZ= , KM NES= 12 IO=

CSEM 19- SEP-1979 H/M/S=22-43- 4,7
 LAT N=36-53,0 LON W=02-52,0 PROF= , KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= 8 IO=

IMGP 19- SEP-1979 H/M/S=22-43- 4,8
 LAT N=37-11,0 LON W=02-27,0 PROF= 33,0 KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= IO=

ALMERIA

SEP- 22	GUD	E	1	23	47,0	F	1	24	57,3				163
	TOL	E	1	24	49,0	E	1	25	13,0	1,0			

SPGM 22- SEP-1979 H/M/S= 1-22-15,0
 LAT N=36-42,0 LON W=10-24,0 PROF= , KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= IO=

SW C S VICENTE=ATLANTICO

```

-----
                P                S
            -----
MES DIA  STA PRK  H M S  SRM  H M S  AMP PER STA=CQR  DUR
-----

```

SEP- 27 CRT I C 20 57 54,1 I 20 57 55,6

SSIS 27- SEP=1979 H/M/S=20-57-52,0
 LAT N=37-25,0 LON W=03-22,0 PROF= . KM MAG=1,5
 RMS= . ERH= . KM FRZ= . KM NES= 10

MOREDA=GR
 II EN GRANADA Y ARMILLA
 LOCALIZADO CON INFORMACION MACROSISMICA

SEP- 28 CAF 5 29 19,4 200
 EBR E 5 29 26,5 F 5 30 22,0
 EPF 5 28 47,8
 GUD I 5 29 51,3 I 5 31 31,6 186,6
 LFF 5 29 15,8
 LGR I 5 29 30,3 I 5 30 21,4 0,1 0,7
 LPO 5 29 13,2
 LRG 5 29 49,0
 RJF 5 29 22,4
 TOL E 5 29 57,0 I 5 31 47,0 0,1 0,8 200

SSIS 28- SEP=1979 H/M/S= 5-28-47,7
 LAT N=43-17,1 LON E=00-34,9 PROF= 5,0 KM MAG=3,2
 RMS= 2,0 ERH= 9,0 KM FRZ= . KM NES= 14 IO

NEIS 28- SEP=1979 H/M/S= 5-28-44,2
 LAT N=43-12,0 LON E=00-29,0 PROF= 10,0 KM MAG= .
 RMS= 1,3 ERH= . KM FRZ= . KM NES= 22 IO

LDG 28- SEP=1979 H/M/S= 5-28-45,9
 LAT N=43-06,0 LON E=00-24,0 PROF= 10,0 KM MAG=4,0
 RMS= . ERH= . KM FRZ= . KM NES= 10

TARHES=FRANCIA

```

-----
                P                S
            -----
MES DIA  STA PRk  H  M  S    SRM  H  M  S    AMP  PFR  STA=COR  DUR
-----

```

```

SEP- 28  ALC  E    9 13 24,0
          ALM  F    9 13 32,0          9 14  9,9    0,2  0,7
          CRT  E    9 13 24,0

```

```

SSIS  28- SEP-1979  H/M/S= 9-13-16,3
          LAT N=37-15,8  LON W=03-11,2  PROF=  5,0 KM  MAG=2,4
          RMS=  1,6  ERH=  ,  KM  ERZ=  ,  KM  NES=  4  IO=

```

GUADUIX=GR

```

SEP- 28  ALC  I    10 25 56,0          150
          CRT  E    10 26  0,8
          GUD  F    10 26 25,7  E  10 27 55,7          133,3
          LGR  E    10 26 54,0  E  10 28 53,3
          TOL  F    10 26 14,0  F  10 27 10,0    0,1  0,8          150

```

```

SSIS  28- SEP-1979  H/M/S=10-25-43,8
          LAT N=37-56,6  LON W=04-00,0  PROF=  5,0 KM  MAG=2,8
          RMS=  1,6  ERH=  ,  KM  ERZ=  ,  KM  NES=  5  IO=

```

ARJONA=J

```

SEP- 29  CRT  I    5 47 28,6

```

```

SSIS  29- SEP-1979  H/M/S= 5-47-28,6
          LAT N=37-12,0  LON W=03-47,0  PROF=  ,  KM  MAG=1,6
          RMS=  ,  ERH=  ,  KM  ERZ=  ,  KM  NES=  IO= III

```

SANTAFE=GR
 III EN SANTAFE
 LOCALIZADO CON INFORMACION MACROSISMICA

```

-----
                P                S
            -----
MES DIA  STA PRK  H  M  S  RRH  H  M  S  AMP  PER  STA-COR  DUR
-----
SEP- 29  ALI  E   15 41 24.0  I  15 41 52.5
          EBR  E   15 42 17.0
          GUD  E   15 42 23.0  I  15 43 29.3  100.7
          TOL  E   15 42  6.0  I  15 43  2.0  0.1  0.0

SSIS  29- SEP-1979  H/M/S=15-41-20.8
      LAT N=38-13.4  LON W=00-29.1  PROF= 5.0 KM  MAG=3.1
      RMS= 5.8  ERH= .  KM  ERZ= .  KM  NES= 7  IO=

```

S ALICANTE-MEDITERRANEO

```

OCT-  3  ALC  I  C  20 49 29.2  I  20 50  0.9  56
          CRT  I  C  20 49 22.0  I  20 49 45.3
          MAL  E   20 49 37.0  I  20 50 22.5

SSIS  3- OCT-1979  H/M/S=20-49-19.8
      LAT N=36-58.7  LON W=03-26.5  PROF= 5.0 KM  MAG=2.3
      RMS= 2.9  ERH= .  KM  ERZ= .  KM  NES= 6  IO=

```

LANJARON-GR

III EN ARMILLA Y GRANADA

MAG CALCULADA EN FUNCION DE LA DURACION DEL SISMO EN ALFACAR

```

OCT-  4  CRT  I  C  12 36 25.0  I  12 36 27.0

SSIS  4- OCT-1979  H/M/S=12-36-24.8
      LAT N=37-11.0  LON W=03-36.0  PROF= .  KM  MAG=1.8
      RMS= .  ERH= .  KM  ERZ= .  KM  NES=  IO=

```

GRANADA

LOCALIZADO CON INFORMACION MACROSISMICA

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				

OCT- 5	ALC	I C	5	29	45,2	I	5	30	32,4				70
	ALM	E	5	30	2,9	I	5	30	9,6	0,2	0,7		
	CRT	I C	5	29	37,7	I	5	30	16,5				
	MAL	E	5	29	50,5	I	5	30	49,5				

SSIS 5= OCT=1979 H/M/S= 5-29-37,0
 LAT N=37-11,5 LON W=03-48,7 PROF= 10,0 KM MAG=2,8
 RMS= 3,0 ERM= . KM ERZ= . KM NES= 4 IO= IV

SANTAFE=GR
 III-IV EN GRANADA Y ARMILLA

OCT- 5	COI	E	13	41	27,3	I	13	42	7,6				
	GUD	E	13	42	9,5	I	13	45	23,2				
	LIS		13	41	23,0		13	41	55,0				
	MTF	I	13	41	35,1	I	13	42	30,6				
	PTO	E	13	41	37,2		13	42	39,8				
	TOL	E	13	42	25,0	E	13	43	33,5	0,1	0,6		

SSIS 5= OCT=1979 H/M/S=13-41- 8,3
 LAT N=39-26,0 LON W= 9-18,0 PROF= 33,0 KM MAG=3,6
 RMS= . ERM= . KM ERZ= . KM NES= IO= IV

IMGP 5= OCT=1979 H/M/S=13-41- 8,3
 LAT N=39-26,0 LON W=09-18,0 PROF= 33,0 KM MAG= .
 RMS= . ERM= . KM ERZ= . KM NES= IO=

W PONTA DO SARDAO-ATLANTICO
 II EN ALFETZERO
 III-IV EN OBIDOS
 IV EN CALDAS DA RAINHA Y FOZ DO ARELHO

OCT- 5	ALC	I C	14	13	9,0	I	14	13	19,3				50
	CRT	I C	14	13	1,3		14	13	3,9				
	MAL	E	14	13	17,0	I	14	13	42,5				

P S

MES DIA STA PRK H M S SRM H M S AMP PFR STA-COR DUR

SSIS 5- OCT-1979 H/M/S=14-13-0.1
LAT N=37-10.3 LON W=03-41.9 PROF= 10.0 KM MAG=2.1
RMS= 2.3 ERH=22.0 KM ERZ= . KM NES= 6 IO= III

GRANADA
IIT EN GRANADA Y ARMILLA
MAG CALCULADA EN FUNCION DE LA DURACION DEL SISMO EN ALFACAR

IMGP 7- OCT-1979 H/M/S=22- M=27.1
LAT N=40-21.0 LON W=08-51.0 PROF= . KM MAG= .
RMS= . ERH= . KM ERZ= . KM NES= IO=

COIMBRA-PORTUGAL

OCT- 10 ERR E 16 19 2.5 E 16 19 23.5
GUD F 16 19 37.0 F 16 21 10.3
LGR E 16 19 22.8 E 16 20 10.1 0.1 0.6

SSIS 10- OCT-1979 H/M/S=16-14-50.5
LAT N=41-18.9 LON W=00-06.2 PROF= 20.0 KM MAG=3.1
RMS= 0.1 ERH= . KM ERZ= . KM NES= 3 IO=

CASPE-7

OCT- 11 LGR I 18 5 3.0 I 18 5 13.5 0.2 0.7

LGR 11- OCT-1979 H/M/S=18- 5-12.0
LAT N=43-36.0 LON E=02-54.0 PROF= . KM MAG=2.5
RMS= . ERH= . KM ERZ= . KM NES= IO=

REDARIEUX-FRANCIA

 P S

 MES DIA STA PRK H M S SWM H M S AMP PER STA=COR DUR

SPGM 11- OCT-1979 H/M/S=21-53-24,5
 LAT N=35-06,0 LON W=07-06,0 PROF= , KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= IO=

W LAPACHE-ATLANTICO

OCT- 12 GUD I 12 33 25,3 I 12 34 26,0 123

SPGM 12- OCT-1979 H/M/S=12-32-2,8
 LAT N=35-30,0 LON W=08-08,0 PROF= , KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= IO=

S C S VICENTE-ATLANTICO

OCT- 16 ALC E 13 2 58,3 13 4 34,6 150
 AVE I 13 2 49,0 I 13 4 17,0
 COI 13 2 47,3 13 16 57,0
 FAR 13 2 3,2 13 3 3,9
 GUD I 13 3 8,1 E 13 12 40,0
 HAD I 13 3 17,5 I 13 4 34,5
 IFR I 13 2 54,5 I 13 4 32,5
 LIS 13 2 30,4 13 11 10,5
 MAL I C 13 2 41,5 I 13 3 53,7 0,2 0,3
 MTE 13 2 49,8 13 17 40,2
 PTO I C 13 3 0,0 13 10 30,5
 TIO I 13 3 20,0 I 13 4 42,0
 TOL I 13 2 59,5 I 13 4 46,5 0,1 0,5 220

SSIS 16- OCT-1979 H/M/S=13- 1-57,1
 LAT N=36-46,3 LON W=08-05,1 PROF= 20,0 KM MAG=3,6
 RMS= 0,9 ERH= 8,0 KM ERZ= , KM NES= 13 IO= III

IMGP 16- OCT-1979 H/M/S=13- 1-57,9
 LAT N=37-01,0 LON W=07-51,0 PROF= 33,0 KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= IO=

 P S

 MES DIA STA PRK H M S SHM H M S AMP PER STA=COR DUR

SPGM 16= OCT=1979 H/M/S=13-1-58.5
 LAT N=36=30.0 LON W=08=00.0 PROF# . KM MAG# .
 RMS# . ERM# . KM ERZ# . KM NES# IO#

SW FARO=ATLANTICO
 II-III EN FARO

SPGM 16= OCT=1979 H/M/S=17-30-40.0
 LAT N=35=06.0 LON W=03=06.0 PROF# . KM MAG# .
 RMS# . ERM# . KM ERZ# . KM NES# IO#

BAB TAZA=MARRUECOS

LUG 21= OCT=1979 H/M/S=20-55-34.7
 LAT N=43=06.0 LON W=00=30.0 PROF# . KM MAG#2.3
 RMS# . ERM# . KM ERZ# . KM NES# IO#

OLORON STE MARTE=FRANCIA

OCT- 22 ALC I C 10 22 5.7 I 10 22 20.4
 ALM I 10 22 20.1 I 10 27 50.0
 CRT I C 10 22 2.0 I 10 23 42.6
 COI I C 10 22 56.9 I 10 24 42.7
 EBR 10 23 15.0
 EPF 10 23 30.0 10 30 40.0
 GUD E 10 22 44.8 E 10 24 23.0
 HAD I 10 23 7.0 I 10 24 12.0
 IFR I 10 22 45.0 I 10 24 11.0
 MAL I 10 22 0.0 F 10 23 10.0
 MTE 10 22 52.5 10 24 53.5
 PTO 10 23 7.3 10 24 21.5
 TEC E 10 22 41.0
 TIO I 10 23 24.0 I 10 24 59.0
 TOL E 10 22 74.0 E 10 23 30.0 0.4 0.7 280

P S

MES DIA STA PRK H M S SHM H M S AMP PER STA=COR DUR

SSIS 22- OCT-1979 H/M/S=10-21-52.0
LAT N=37-05.0 LON W=04-24.5 PROF= 10.0 KM MAG=3.8
RMS= 1.3 ERH= 7.0 KM ERZ= . KM NES= 15 IO=

CSEM 22- OCT-1979 H/M/S=10-21-51.0
LAT N=37-14.0 LON W=04-23.0 PROF= . KM MAG= .
RMS= . ERH= . KM ERZ= . KM NES= 10 IO=

SPGM 22- OCT-1979 H/M/S=10-21-51.0
LAT N=36-48.0 LON W=05-18.0 PROF= . KM MAG= .
RMS= . ERH= . KM ERZ= . KM NES= 10 IO=

ARCHIDONA=FA

LDG 22- OCT-1979 H/M/S=16-32-50.7
LAT N=42-02.0 LON E=02-00.0 PROF= . KM MAG=2.8
RMS= . ERH= . KM ERZ= . KM NES= 10 IO=

BELCAIRE=FRANCIA

LDG 23- OCT-1979 H/M/S= 1-44-34.2
LAT N=41-48.0 LON E=02-30.0 PROF= . KM MAG=2.6
RMS= . ERH= . KM ERZ= . KM NES= 10 IO=

ARBUCIAS=GF

OCT- 23 ALC I 14 14 40.2
ALM I 14 14 59.6 0.2 1.5
CRT E 14 14 39.0 I 14 15 25.0
GUD I 14 14 53.8
MAL I 14 14 39.0 E 14 15 23.5
TEC E 14 15 3.0
TOL 14 14 50.0

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				

SSIS 23- OCT-1979 H/M/S=14-14-21.5
 LAT N=37-42.7 LON W=03-35.7 PROF= 60.0 KM MAG=2.5
 RMS= 6.0 ERH= . KM ERZ= . KM NES= 6 IO=

PEGALAJAR-J

OCT- 25	AMA	E	15	30	39.0	I	15	31	54.0				
	ALC	E	15	30	25.5								
	ALI	I	15	29	56.0								
	ALM	I C	15	30	15.9	I	15	30	55.0				
	CRT	I	15	30	26.1								
	ERR	I	15	30	33.0								
	EPP		15	31	3.1		15	32	2.6				
	GUD	I	15	30	42.8		15	32	26.8				
	LFF		15	31	29.3		15	33	14.1				
	LGR	E	15	30	58.3	I	15	32	54.1				
	LPO		15	31	26.2		15	33	6.8				
	MTE		15	31	13.0		15	32	29.7				
	TEC	E	15	30	35.0								
	TOL	I	15	30	36.5	I	15	31	53.5	0.9	0.8		300

SSIS 25- OCT-1979 H/M/S=15-29-48.0
 LAT N=38-00.4 LON W=00-49.4 PROF= 10.0 KM MAG=4.2
 RMS= 0.9 ERH= 6.0 KM ERZ= . KM NES= 14 IO= V

NEIS 25- OCT-1979 H/M/S=15-29-46.1
 LAT N=38-02.0 LON W=00-51.0 PROF= 10.0 KM MAG= .
 RMS= 1.2 ERH= . KM ERZ= . KM NES= 6 IO=

CSEM 25- OCT-1979 H/M/S=15-29-47.0
 LAT N=38-02.0 LON W=00-48.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

TORREVIEJA=A

PROVINCIA DE ALICANTE

III SAN VICENTE DE MASPEIG

IV CREVILLENTE, ELCHE, BENIAJUIS, CAMPELLO, ALICANTE, TORREVIEJA, SANTA POLA, CALLOSA DE SEGURA

V ORIHUELA, SAN MIGUEL DE SALINAS, LA MARINA, JACARILLA, GUARDAMAR DEL SEGURA, DOLORES, ALMORADI,

PROVINCIA DE MURCIA

P S

MES DIA STA PRK H M S SRM H M S AMP PER STA-COR DUR

III TOTANA, CARTAJENA
IV CEUTI, SAN JAVIER, HENIFI, ZENETA
V ARANILLA, SUCINA
PROVINCIA DE VALFNCA
III NAVARRAS
IV-V LA FONT D'EN CARROS

LDG 27- OCT-1979 H/M/S=4-58-51,9
LAT N=43-18,0 LON W=00-18,0 PROF= 15,0 KM MAG=2,7
RMS= . ERH= . KM ERZ= . KM NES= IO=

PAU-FRANCIA

SPGM 31- OCT-1979 H/M/S=15-23-17,0
LAT N=39-18,0 LON W=09-24,0 PROF= . KM MAG= .
RMS= . ERH= . KM ERZ= . KM NES= IO=

TORRES VEDRAS-PORTUGAL

NOV- 6	ALC	I	17	21	54,3						
	COI		17	21	7,0	17	21	31,6			
	GUD	E	17	21	57,2	17	23	39,9			214
	LIS		17	20	50,7	17	21	46,8			
	LGR	E C	17	22	50,5	17	24	32,5			
	MAL	E	17	22	34,0						
	MTE		17	21	12,3	17	21	50,2			
	FAR		17	21	24,5	17	22	20,0			
	PTO		17	21	24,1	17	22	14,6			
	TOL	E	17	22	19,0	17	23	9,0	0,6	0,6	

SSIS 6- NOV-1979 H/M/S=17-20-47,6
LAT N=39-01,2 LON W=09-35,1 PROF= 5,0 KM MAG=3,4
RMS= . ERH= . KM ERZ= . KM NES= 18 IO=

 P S

MES DIA STA PRK H M S SRH H M S AMP PER STA=COR DUR

IMGP 6- NOV-1979 H/M/S= 0- 0- 0.0
 LAT N=39-12.0 LON W=09-30.0 PROF= . KM MAG= .
 RMS= . ERH= . KM PRZ= . KM NES= 10=

SW PONTA DA LAMPARDEIRA-ATLANTICO
 II EN TORRES VEDRAS Y LISBOA(IMGP)

NOV- 7 ALC I 16 47 5.7
 CRT E 16 47 10.0
 MAL E 16 47 23.5 I 16 48 1.5 0.6

SSIS 7- NOV-1979 H/M/S=16-47- 3.0
 LAT N=37-23.0 LON W=03-19.9 PROF= 5.0 KM MAG=2.1
 RMS= 1.0 ERH= . KM ERZ= . KM NES= 4 10=

MOREDA-GR

LOG 7- NOV-1979 H/M/S=19-54-59.6
 LAT N=42-30.0 LON E=02-24.0 PROF= . KM MAG=3.0
 RMS= . ERH= . KM ERZ= . KM NES= 10=

DLFTE-FRANCIA

SPGM 8- NOV-1979 H/M/S= 3- 1- 0.0
 LAT N=04-00.0 LON W=04-18.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 10=

TARGUJIST-MARRUECOS

P S

MES DIA STA PRK H M S SRM H M S AMP PER STA-COR DUR

SPGM 8- NOV-1979 H/M/S= 4-15- 9,0
LAT N=35-00,0 LON W=05-00,0 PROF= . KM MAG= .
RMS= . ERH= . KM ERZ= . KM NES= IO=

BAH TAZA=MARRUECOS

LDG 9- NOV-1979 H/M/S=15-26-21,0
LAT N=42-42,0 LON E=01-06,0 PROF= . KM MAG=2,7
RMS= . ERH= . KM ERZ= . KM NES= IO=

ESTERPI DE ANEII-L

NOV- 11 ALC E 11 41 15,5 150
COI 11 41 14,4 11 41 50,0
MAL E 11 42 27,0
MTE 11 41 18,5 11 41 59,5
FAR 11 41 18,5 11 41 40,2
TOL F 11 41 43,0 0,8 150

SSTS 11- NOV-1979 H/M/S=11-40-46,6
LAT N=38-42,0 LON W=07-42,0 PROF= . KM MAG=3,0
RMS= . ERH= . KM ERZ= . KM NES= IO=

IMGP 11- NOV-1979 H/M/S= 0- 0- 0,0
LAT N=38-42,0 LON W=07-42,0 PROF= 5,0 KM MAG= .
RMS= . ERH= . KM ERZ= . KM NES= IO=

EVORA=PORTUGAL

LDG 11- NOV-1979 H/M/S=14- 8-43,7
LAT N=42-30,0 LON E=01-00,0 PROF= . KM MAG=2,6
RMS= . ERH= . KM ERZ= . KM NES= IO=

CAPDFLLA-L

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-----
                P                S
            -----
MES DIA  STA PRK  H M S  SRM  H M S  AMP PER STA=COR DUR
-----

```

```

NOV- 12  ALC I C  12 19 42.8
          ALM I D  12 20 12.2          12 20 52.8  0.1 0.0
          CRT I C  12 19 44.3          12 20 52.7
          MAL F    12 19 56.8  I  12 21  7.3

SSIS     12- NOV-1979  H/M/S=12-19-39.5
          LAT N=37-21.9  LON W=03-44.9  PROF=  5.0 KM  MAG=2.5
          RMS=  3.5  ERH=  .  KM  ERZ=  .  KM  NES=  7  IO=

```

LOS OI IVARFS=GP

```

IMGP     12- NOV-1979  H/M/S=12-4A-32.2
          LAT N=40-36.0  LON W=0A-1A.0  PROF=  .  KM  MAG= .
          RMS=  .  ERH=  .  KM  ERZ=  .  KM  NES=  IO=

```

AGUEDA=PORTUGAL

```

SPGM     12- NOV-1979  H/M/S=18-56-50.0
          LAT N=30-48.0  LON W=04-42.0  PROF=  .  KM  MAG= .
          RMS=  .  ERH=  .  KM  ERZ=  .  KM  NES=  IO=

```

TANGUIST=HARRUECOS

```

LDG      14- NOV-1979  H/M/S=16-55- 9.6
          LAT N=43-00.0  LON W=00-06.0  PROF= 25.0 KM  MAG=3.0
          RMS=  .  ERH=  .  KM  ERZ=  .  KM  NES=  IO=

```

LOURDES=FRANCIA

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				

NOV- 20	ALC	I C	18	4	4,6	I	18	4	11,7				100
	CRT	I C	18	3	56,6		18	4	56,3				
	MAL	E	18	4	10,0	I	18	4	34,0	0,6	0,3		

SSIS 20- NOV-1979 H/M/S=18- 3-52,4
 LAT N=37-02,8 LON W=03-27,7 PROF= 5,0 KM MAG=2,9
 RMS= 2,8 ERH=26,0 KM ERZ= . KM NES= 6 IO= III

GRANADA
 III FM ZAIPIN

SPGM 21- NOV-1979 H/M/S=20-33-16,0
 LAT N=35-08,0 LON W=07-30,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

SE FAHO-ATLANTICO

NOV- 23	ALC	I C	16	52	9,1		16	52	24,7				50
	CRT	E	16	52	7,0	E	16	52	18,4				
	MAL	E	16	52	15,5	I	16	52	36,0	0,1	0,2		

SSIS 23- NOV-1979 H/M/S=16-52- 2,1
 LAT N=37-11,4 LON W=03-59,5 PROF= 10,0 KM MAG=2,0
 RMS= 1,2 ERH=25,0 KM ERZ= . KM NES= 6 IO=

LOJA-GR

MES DIA	STA	PRK	P			SRM	S			AMP	PEK	STA=COR	DUR
			H	M	S		H	M	S				
NOV- 25	ALC	I C	1	56	35.1	I	1	57	14.2				230
	ALI	E	1	57	22.5								
	ALM	I	1	56	46.3	I	1	57	47.8				
	ALR	I	1	56	48.4	F	1	57	56.8				
	BRA	I	1	57	25.0	F	1	58	36.0				
	CAF		1	58	39.1								
	COI	E	1	57	42.3	E	1	59	21.6				
	CRT	I C	1	56	33.6	I	1	57	11.1				
	EBR	F	1	57	45.0								
	FPF		1	58	9.4								
	GUD	I D	1	57	25.7	I	1	58	44.7				285
	MAD	I	1	57	41.0	F	1	59	19.0				
	IFR	I	1	57	21.5	I	1	58	24.5				
	LFF		1	58	33.7								
	LPO		1	58	30.4								
	LGR	E	1	57	52.5	E	1	59	49.0				
	MAL	I	1	56	37.0	E	1	57	20.0				120
	MTE	I	1	57	37.5		1	59	6.5				
	TAF	I	1	57	4.0	I	1	57	35.0				
	TIO	I	1	58	3.5	I	1	59	19.5				
	TOL	F	1	57	13.6	E	1	58	0.1	0.2	0.8		260

SSIS 25- NOV-1979 H/M/S= 1-56-27.8
 LAT N=36-50.6 LON W=03-45.2 PROF= 10.0 KM MAG=3.4
 RMS= 1.3 ERH= 4.0 KM ERZ= . KM NES= 20 IO= V

NEIS 25- NOV-1979 H/M/S= 1-56-26.2
 LAT N=36-50.7 LON W=03-47.7 PROF= 10.0 KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 7 IO=

CS&M 25- NOV-1979 H/M/S= 1-56-28.1
 LAT N=36-54.6 LON W=03-47.4 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 23 IO=

SPGM 25- NOV-1979 H/M/S= 1-56-26.0
 LAT N=36-42.0 LON W=03-42.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 10=

ALMUNECAR=GR
 III EN GRANADA
 IV EN ALMUNECAR Y ARENAS
 V EN OTIVAR, PADUL Y DURCAL

 P S

 ES DIA STA PRK H M S SRM H M S AMP PER STA=CON DUR

VI EN JAYENA, FORNFS Y ALBUINIELAS

NOV- 26 ALC I 2 49 59,1 200
 ALI I 2 49 24,3 2 49 54,8
 CAF 2 50 57,6
 CRT I 2 50 0,9
 ERR E 2 50 8,5
 PPF 2 50 30,5
 GUD I D 2 50 15,7 E 2 51 33,2 170
 LFF 2 50 55,4
 LPO 2 50 50,2
 TOL E 2 50 8,0 0,1 0,6 200

SSIS 26- NOV-1979 H/H/S= 2-49-20,8
 LAT N=3A-16,7 LON W=00-29,1 PROF= 20,0 KM MAG=3,1
 RMS= 1,8 ERH=29,0 KM ERZ= , KM NES= 10 IO=

CSEM 26- NOV-1979 H/H/S= 2-49-16,7
 LAT N=3A-03,0 LON W=00-13,8 PROF= , KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= 13 IO=

ALICANTE

NOV- 26 ALC I 18 31 47,0 I 18 33 8,7 100
 ALI E 18 31 11,0 I 18 31 29,0 1,8 0,5
 GUD E 18 32 3,3 120
 TOL E 18 31 55,0 0,9 140

SSIS 26- NOV-1979 H/H/S=18-31- 7,7
 LAT N=3B-16,8 LON W=00-39,1 PROF= 5,0 KM MAG=2,6
 RMS= 0,5 ERH= , KM ERZ= , KM NES= 4 IO=

ELCHE-A
 REPLICAS DEL SISMO DEL DIA 26 DE NOVIEMBRE 1979 A LAS 02H49M20,85

 P S

MES DIA STA PRK H M S SRM H M S AMP PER STA=COR DUR

LDG 27- NOV-1979 H/M/S=16-29-50.3
 LAT N=43-42.0 LON E=02-18.0 PROF= . KM MAG=2.6
 RMS= . ERH= . KM FRZ= . KM NES= IO=

CASTRES-FRANCIA

NOV- 27 ALC I 19 19 54.5
 ALM E 19 19 53.0 E 19 20 51.0
 GUD E 19 21 8.5
 TOL E 19 20 36.0 E 19 21 49.0 0.7

SSIS 27- NOV-1979 H/M/S=19-19-48.3
 LAT N=36-51.2 LON W=02-48.6 PROF= 5.0 KM MAG=2.5
 RMS= . ERH= . KM ERZ= . KM NES= 6 IO=

BERJA-AL

NOV- 29 GUD E 15 59 25.1

SPGM 29- NOV-1979 H/M/S=15-58-3.5
 LAT N=35-24.0 LON W=09-06.0 PROF= . KM MAG= .
 RMS= . ERH= . KM FRZ= . KM NES= IO=

S C S VICENTE-ATLANTICO

SPGM 30- NOV-1979 H/M/S=20-59-20.0
 LAT N=35-42.0 LON W=09-00.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

S C S VICENTE-ALANTICO

```

-----
                P                S
                -----
MES DIA  STA PRK  H M S  SHM  H M S  AMP PER STA-COR DUR
-----

```

```

DIC= 1  ALC E    12 13 48.8      12 14 59.6      55
        GUD I    12 13 58.1      I 12 15 20.8
        TOL E    12 13 45.0      I 12 14 46.5

```

```

SSIS    1- DIC-1979    H/M/S=12-13-23.1
        LAT N=38-43.7    LON W=02-57.5    PROF= 10.0 KM    MAG=2.2
        RMS= 1.5    ERH= .    KM ERZ= .    KM NES= 3    IO=

```

INFANTES-CR
MAG CALCULADA EN FUNCION DE LA DURACION DEL SISMO EN ALFACAR

```

DIC= 2  ALC I C    11  4 23.4      I 11  5  1.8      190
        ALM E    11  4 31.1      I 11  5 21.0
        BRB I    11  4 49.2      I 11  6 12.2
        CRT I C    11  4 22.3      I 11  5  3.1
        GUD E    11  5  3.0      I 11  5 40.0      227
        HAD F    11  5  7.0
        IFR I    11  4 46.3      I 11  5 25.3
        MAL I    11  4 15.0      I 11  4 37.0      0.1  0.3
        TIO I    11  5 26.0      J 11  6 57.0
        TOL E    11  4 53.0      I 11  6 32.5      0.1  0.7      180

```

```

SSIS    2- DIC-1979    H/M/S=11- 4- 3.3
        LAT N=36-27.2    LON W=04-40.7    PROF= 60.0 KM    MAG=3.0
        RMS= 0.6    ERH= .    KM ERZ= 3.0 KM NES= 9    IO=

```

```

SPGM    2- DIC-1979    H/M/S=11- 4- 2.0
        LAT N=36-00.0    LON W=04-00.0    PROF= .    KM    MAG= .
        RMS= .    ERH= .    KM ERZ= .    KM NES=    IO=

```

SE MARRELLA-ALBORAN

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DIR
			H	M	S		H	M	S				
DIC- 4	ALC	I	20	1	7.5	I	20	2	30.5				155
	AVF	I	20	1	5.0	I	20	2	23.0				
	HRB	I	20	1	2.0	I	20	2	14.0				
	CAF		20	2	13.1								
	COI	F	20	0	14.7	I	20	0	54.6				
	ERH	E	20	3	33.0								
	EPP		20	1	50.0		20	4	26.0				
	FAR	I	20	0	24.0								
	GUN	F	20	0	55.6	E	20	2	59.1				253
	HAD	I	20	1	41.0	I	20	4	1.0				
	JFR	I	20	1	18.5	I	20	3	1.5				
	LFF		20	2	3.4								
	LIS	I	20	0	3.2		20	0	33.6				
	MAL	I D	20	1	2.0	I	20	2	20.3	0.2	0.5		
	LGR	E	20	1	20.0	F	20	2	50.6				
	MFF		20	2	5.1								
	MTE	I	20	0	20.5	I	20	1	10.1				
	PTO	I	20	0	13.6	I	20	1	2.1				
	STS	E	20	0	29.0								
	TIN	I	20	1	34.5	I	20	3	44.5				
	TOL	E	20	0	55.5	F	20	2	49.0	0.1	0.6		240
	YBT	E	20	1	43.0	F	20	4	7.0				

SSIS 4= DIC-1979 H/M/S=19-59-22.4
 LAT N=30-21.1 LON W=12-25.6 PROF= 5.0 KM MAG=3.6
 RMS= 0.9 ERH= , KM ERZ=16.0 KM NES= 16 IO=

CSEM 4= DIC-1979 H/M/S=19-59-10.2
 LAT N=39-14.0 LON W=12-43.2 PROF= , KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= 13 IO=

SPGM 4= DIC-1979 H/M/S=19-59-30.0
 LAT N=30-30.0 LON W=11-54.0 PROF= , KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= IO=

IMGP 4= DIC-1979 H/M/S=19-59-30.0
 LAT N=39-30.0 LON W=11-30.0 PROF= , KM MAG= ,
 RMS= , ERH= , KM ERZ= , KM NES= IO=

ATLANTICO

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				
DIC- 5	ALC	E	23	4	13,0	F	23	6	25,5				
	CAF		23	3	9,6		23	3	49,2				
	FBR	I	23	3	7,9	I	23	3	42,0				
	EPF		23	2	58,0		23	4	18,0				
	LFF		23	3	14,1								
	LPO		23	3	9,5		23	3	48,2				
	LGR	I D	23	3	26,7	I	23	4	36,7	0,1	0,9		
	LRG		23	3	17,2								
	RJF		23	3	15,3		23	4	4,1				
	TOL	E	23	3	51,0	E	23	5	41,5	0,1	0,6		230

SSIS 5= DIC=1979 H/M/S=23- 2-34,2
 LAT N=42-33,3 LON E=02-24,3 PROF= 40,0 KM MAG=3,5
 RMS= 0,7 ERH= . KM ERZ= 6,0 KM NES= 10 IO=

CSEM 5= DIC=1979 H/M/S=23- 2-30,1
 LAT N=42-25,2 LON E=02-22,2 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 37 IO=

LDG 5= DIC=1979 H/M/S=23- 2-29,4
 LAT N=42-24,0 LON E=02-30,0 PROF= . KM MAG=4,1
 RMS= . ERH= . KM ERZ= . KM NES= IO=

PRADES-FRANCIA

DIC- 8	ALC	I	4	52	6,5	I	4	52	29,0				210
	ALM	E	4	52	21,1	I	4	53	2,6				
	HRR	I	4	52	34,0	I	4	53	42,5				
	COI	E	4	52	50,7		4	54	28,0				
	CRT	I D	4	52	5,7	I	4	52	27,9				
	GUD	E	4	52	43,3								200
	HAD	E	4	52	57,0	E	4	54	45,0				
	IFR	I	4	52	34,5	I	4	53	43,5				
	LGR	E	4	53	12,6	E	4	54	22,6				
	LIS	I	4	52	47,3		4	54	13,8				
	MAL	I D	4	51	53,5								
	MTE	E	4	52	47,4								
	TAF	I	4	52	28,0								
	TIO		4	53	14,0	I	4	54	34,0				
	TOL	E	4	52	34,4		4	53	58,5	0,3	0,8		220

 P S

 MES DIA STA PRK H M S SRM H M S AMP PER STA-COR DUM

SSIS 8- DIC-1979 H/M/S= 4-51-46.6
 LAT N=36-43.7 LON W=04-51.6 PROF= 10.0 KM MAG=3.8
 RMS= 1.3 ERH= . KM ERZ= 7.0 KM NES= 14 IO=

CSEM 8- DIC-1979 H/M/S= 4-51-46.5
 LAT N=36-55.8 LON W=04-50.4 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 7 IO=

SPGM 8- DIC-1979 H/M/S= 4-51-48.5
 LAT N=36-12.0 LON W=05-12.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

TOLOX-MA

DIC- 8 ALC I 15 42 24.6
 ALM I C 15 42 17.5 I 15 42 40.0
 CRT I 15 42 24.1 I 15 42 58.2
 GUU E 15 43 28.7
 MAL I D 15 42 29.5 I 15 43 13.5 0.4 0.3
 TOL E 15 43 17.0 E 15 44 17.5

SSIS 8- DIC-1979 H/M/S=15-42- 8.8
 LAT N=36-04.5 LON W=02-57.1 PROF= 40.0 KM MAG=2.6
 RMS= . ERH= . KM ERZ= . KM NES= 6 IO=

S ADRA-ALHORAN

SPGM 9- DIC-1979 H/M/S= 8-11-56.5
 LAT N=35-00.0 LON W=04-20.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

TARGUIST-MARRUECOS

```

-----
                P                S
                -----
MES DIA   STA PRK   H M S   SRH   H M S   AMP PER STA-COR DUR
-----

```

```

SPGM      9- DIC-1979   H/M/S= 9-51-40.0
           LAT N=34-30.0  LON W=03-42.0  PROF#   . KM  MAG# .
           RMS#   .   ERH#   .   KM  ERZ#   .   KM  NES#  IO#

```

AQUENUL=MARRUECOS

```

SPGM      11- DIC-1979   H/M/S=22-59-21.0
           LAT N=36-10.0  LON W=08-54.0  PROF#   . KM  MAG# .
           RMS#   .   ERH#   .   KM  ERZ#   .   KM  NES#  IO#

```

S C S VICENTE-ATLANTICO

```

LOG       16- DIC-1979   H/M/S=12-33-55.6
           LAT N=42-10.0  LON E=01-42.0  PROF#   . KM  MAG#3.1
           RMS#   .   ERH#   .   KM  ERZ#   .   KM  NES#  IO#

```

BELLVER=L

```

DIC- 17   ERR E   17 30 11.0   F   17 30 47.0
           LGR F   17 37 25.6   E   17 37 58.6

```

```

LOG       17- DIC-1979   H/M/S=17-57-15.2
           LAT N=43-24.0  LON W=00-30.0  PROF# 10.0 KM  MAG#3.5
           RMS#   .   ERH#   .   KM  ERZ#   .   KM  NES#  IO#

```

PAU=FRANCIA

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				
DIC- 18	ALC	I	5	49	7.4	I	5	51	3.1			250	
	CAF		5	49	13.8		5	50	43.4				
	EHK	E	5	49	4.0								
	EPF		5	48	56.4		5	50	55.4				
	GUD	I	5	48	22.6							333	
	LGR	E	5	48	26.6	F	5	49	32.2				
	LFF		5	49	2.2		5	50	11.0				
	LPO		5	49	5.6		5	50	21.0				
	RJF		5	49	10.4		5	50	33.0				
	STS	E	5	47	53.0	F	5	48	59.0				
TUL	E	5	48	29.5	E	5	49	38.5	0.4	0.4	350		

SSIS 18- DIC-1979 H/M/S= 5-47-36.0
 LAT N=42-49.9 LON W=07-12.0 PROF= 20.0 KM MAG=4.2
 RMS= 1.1 ERH= . KM ERZ= . KM NES= 11 IO= V

CSEM 18- DIC-1979 H/M/S= 5-47-33.1
 LAT N=42-52.2 LON W=07-04.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= 25 IO=

LDG 18- DIC-1979 H/M/S= 5-47-34.8
 LAT N=43-12.0 LON W=07-12.0 PROF= . KM MAG=4.0
 RMS= . ERH= . KM ERZ= . KM NES= IO=

BECERREA-LII

PROVINCIA DE LUGO

III EN INCIO, FERREIRA, FULGOSO DE CAUREL, OTERO DEL REY, PINERA DE NAVIA,
 FRIOL, QUIROGA, GUNTIN, CASTRO DE REY Y PUENTENUEVO

IV EN FONSAGRAVA LOS NOGALES, LUGO, CASTROVERDE, CERVANTES, POYO, RIORTORTO,
 PALAS DE REY Y PARAMO

V EN NAVIA DE SUARNA, NOCEDA, PIEDRAFITA DE CERRERO, BECERREA, BARALLA,
 MEIRA-BARALLA, CADAVO, PARADELA, SAMOS, PUERTO MARIN, CEDRON-SARVIA, SA
 SOBRADO DE RICATO-HIRALLA, LAGOS-LANCARA, GUDIAN

PROVINCIA DE LEON

IV EN TRARAGELN

V EN CANDIN

PROVINCIA DE ASTURIAS

III EN FINFO, SAN FIRSO DE AHPRES, EL FRANCO Y CASTROPOL

IV EN YLLAMO, SAN ANTONIN DE IRIAS, TARAMUNDI

PROVINCIA DE CORUNA

V EN BETANZOS

MES DIA	STA	PRK	P			SKM	S			AMP	PER	STA=CUR	DUR
			H	M	S		H	M	S				
DIC- 21	ALC	I	20	29	15.7	F	20	29	39.4				230
	ALM	I	20	29	24.0	I	20	30	5.4				
	AVE	I	20	30	5.0	I	20	30	55.5				
	BRH	I	20	29	53.0	I	20	31	24.5				
	CAF		20	31	12.2								
	COI	I	20	30	10.1	I	20	31	11.3				
	CKT	I	20	29	14.2		20	29	34.9				
	EPP		20	30	42.6		20	32	38.1				
	HAD	I	20	30	12.5	I	20	31	19.0				
	IFR	I	20	29	52.0	I	20	31	21.5				
	LFF		20	31	6.8								
	LGR	F	20	30	25.2	I	20	31	52.9				
	LIS	I	20	30	4.2	F	20	30	55.2				
	LPO		20	31	5.6								
	MAL	I C	20	29	9.7								150
	MYE	I	20	30	6.4	F	20	30	59.4				
	TIO	I	20	30	33.2	F	20	32	15.2				
	TOL	I	20	29	47.5	I	20	31	9.0	0.2	0.7		170

SSIS 21- DIC-1979 H/M/S=20-29- 2.9
 LAT N=36-50.1 LON W=04-12.0 PROF= 40.0 KM MAG=3.5
 RMS= 0.5 ERH= 3.0 KM ERZ= . KM NES= 17 IO=

SPGM 21- DIC-1979 H/M/S=20-29- 3.0
 LAT N=36-42.0 LON W=05-18.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

INGP 21- DIC-1979 H/M/S=20-29- 2.0
 LAT N=37-12.0 LON W=04-36.0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

VELEZ MALAGA-MA
 III FN MALAGA,

MES DIA	STA	PRK	P			SRM	S			AMP	PER	STA-COR	DUR
			H	M	S		H	M	S				
DIC- 22	ALC	I C	23	45	24,6	I	23	45	57,2				300
	ALI	E	23	46	15,5								
	ALM		23	45	38,2		23	46	33,2				
	AVE	I	23	46	18,0	I	23	47	25,0				
	BME	I	23	46	45,0	I	23	48	39,0				
	PRR	I	23	46	6,8	I	23	46	52,8				
	CAF		23	47	20,0		23	49	16,9				
	COI	E	23	46	18,1	E	23	47	20,9				
	CRT	I	23	45	23,2								
	ERR		23	46	34,0								
	EPF		23	46	40,2		23	48	52,2				
	GUD	I C	23	46	5,0	I	23	46	51,4				
	MAD	I	23	46	25,5	I	23	47	43,5				
	JFR	I	23	46	5,5	I	23	46	49,5				
	LFF		23	47	15,2		23	49	1,0				
	LGR	E	23	46	42,2	E	23	48	20,2				
	LIS	I C	23	46	13,1	I	23	47	12,0				
	LPO		23	47	13,8		23	48	57,9				
	MAL	I C	23	45	21,2								150
	TJO	I	23	46	46,5	I	23	48	43,5				
	TOL	I C	23	45	54,5	I	23	47	21,0	0,5	0,6		300

SSIS 22- DIC-1979 H/M/S=23-45-12,3
 LAT N=37-04,0 LON W=04-18,9 PROF= 5,0 KM MAG=4,0
 RMS= 2,0 ERH= 5,0 KM ERZ= . KM NES= 36 IO=

SPGM 22- DIC-1979 H/M/S=23-46-10,6
 LAT N=36-24,0 LON W=04-12,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

ARCHIDONA=MA
 III EN LOJA Y MALAGA

SPGM 23- DIC-1979 H/M/S= 7-32-48,6
 LAT N=36-12,0 LON W=11-12,0 PROF= . KM MAG= .
 RMS= . ERH= . KM ERZ= . KM NES= IO=

SW C S VICENTE=ATLANTICO

 P S

 MES DIA STA PRK H M S SHM H M S AMP PEN STA-COR DUR

SPGM 23- DIC-1979 H/M/S=12-9-45.5
 LAT N=35-00.0 LON W=04-24.0 PROF= . KM MAG= .
 RMS= . ERH= . KM FRZ= . KM NES= IO=

TARGUJIST-MARRUECOS

DIC- 28 ALC E 10 14 38.5 10 15 49.0 120
 ALI E 10 14 13.3 I 10 14 34.0
 CRT E 10 14 45.0
 GUID I 10 15 0.8 10 15 39.7 100
 LGR E 10 15 9.1 E 10 16 5.7
 TOL E 10 14 51.0 10 16 13.0 0.1 0.9

SSIS 28- DIC-1979 H/M/S=10-14-3.9
 LAT N=38-06.0 LON W=00-29.1 PROF= 60.0 KM MAG=3.1
 RMS= 1.7 ERH= . KM FRZ= . KM NES= 6 IO=

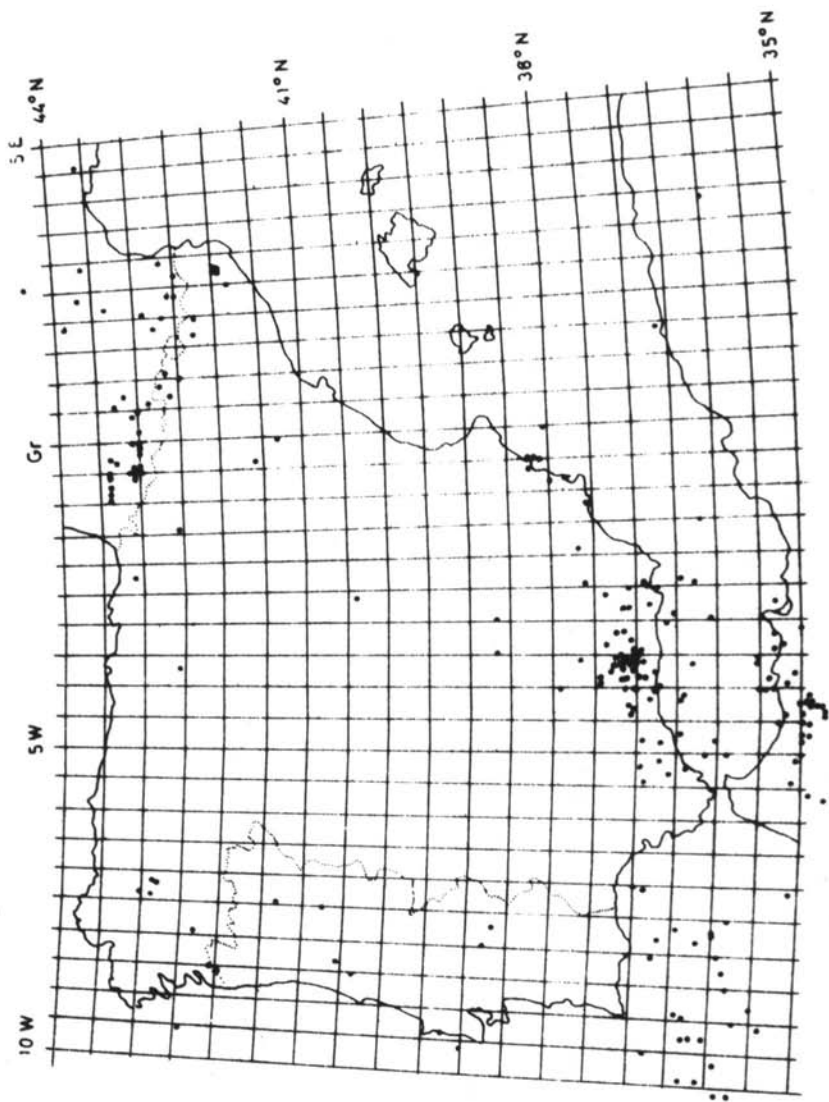
SANTA POLA-A

SPGM 28- DIC-1979 H/M/S=19-37-56.0
 LAT N=35-54.0 LON W=09-42.0 PROF= . KM MAG= .
 RMS= . ERH= . KM FRZ= . KM NES= IO=

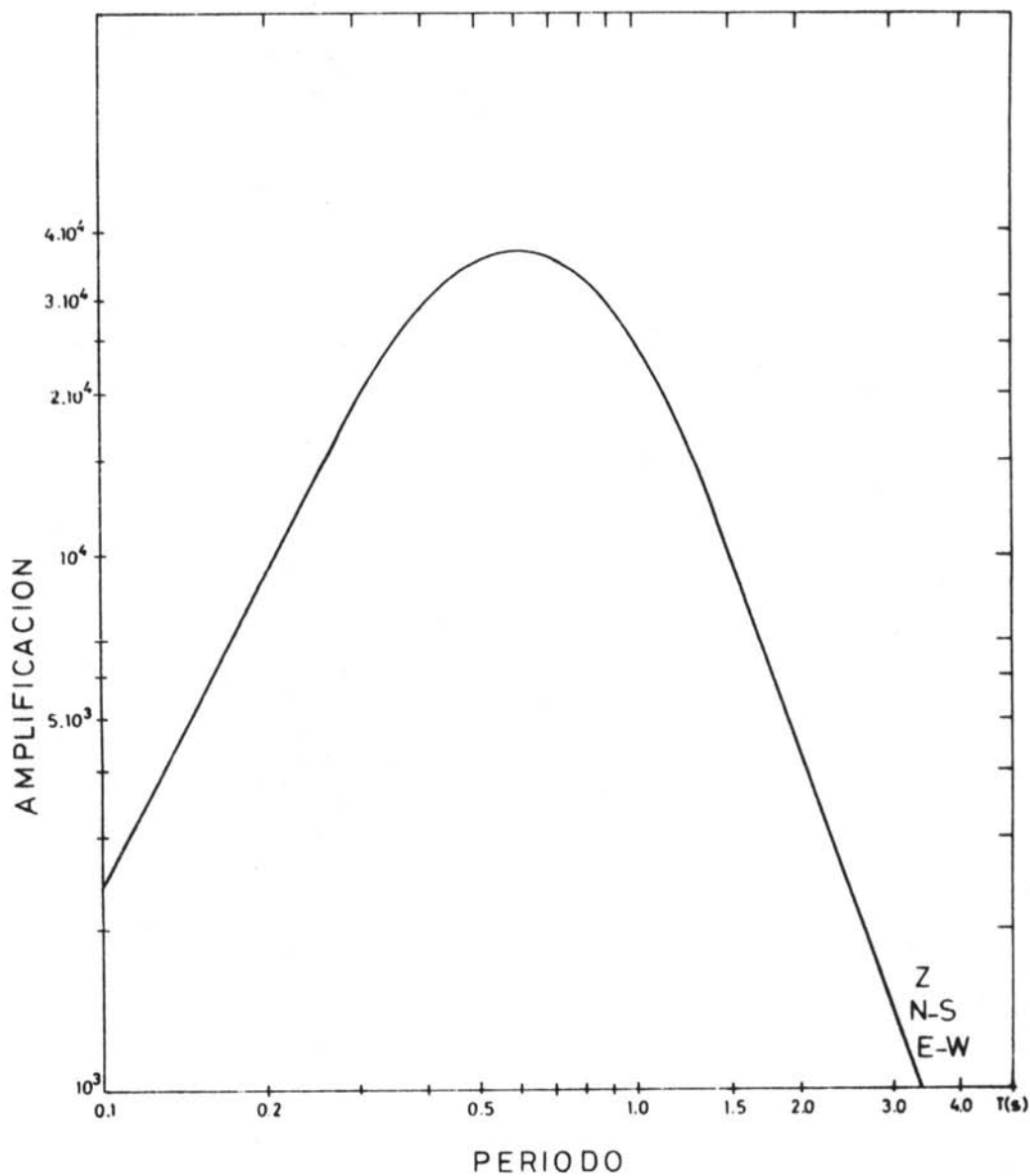
SW C S VICENTE-ATLANTICO

INSTITUTO GEOGRAFICO NACIONAL

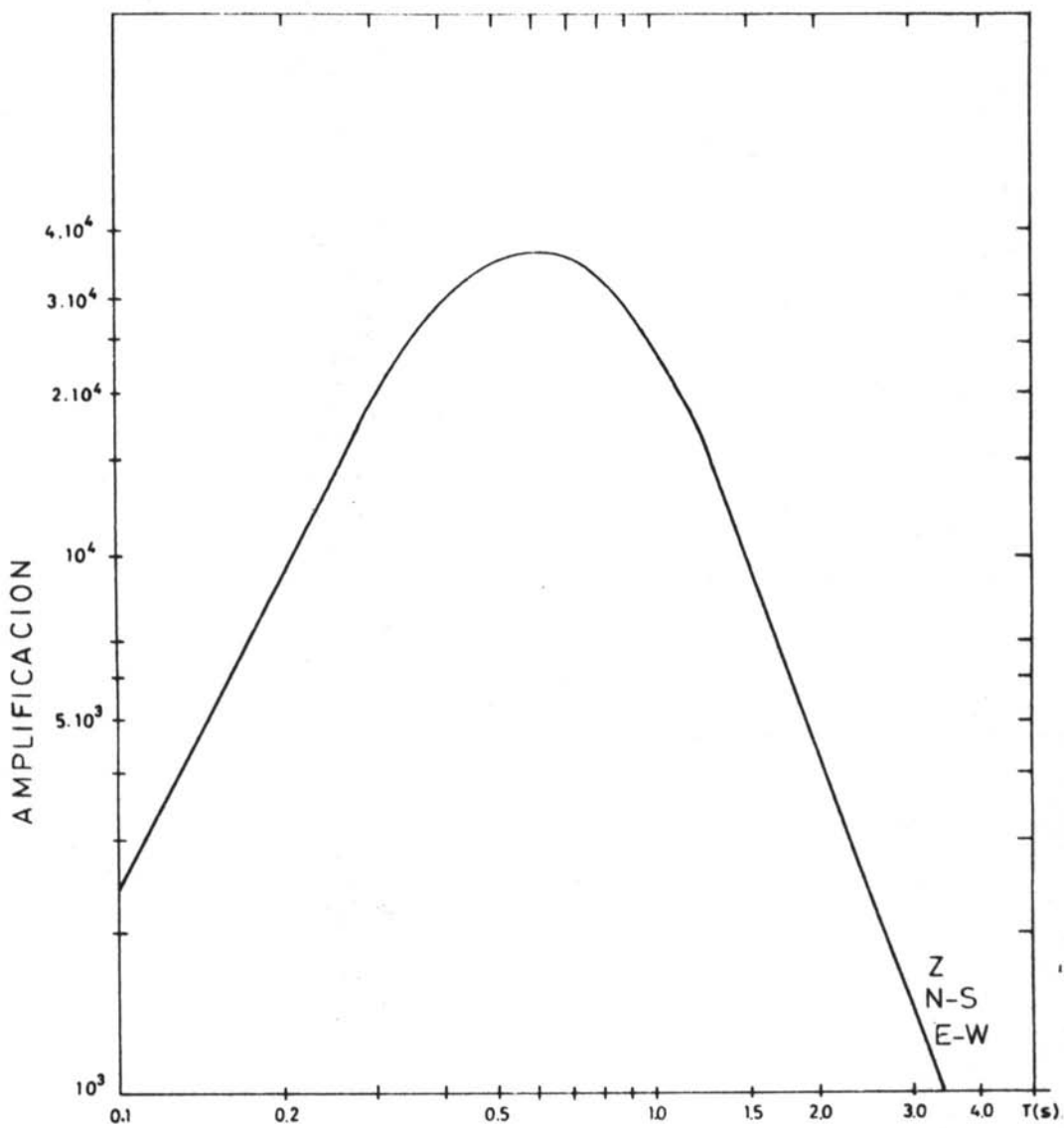
SECCION DE SISMOLOGIA E INGENIERIA SISMICA



Episcentros localizados en Enero - Diciembre de 1979

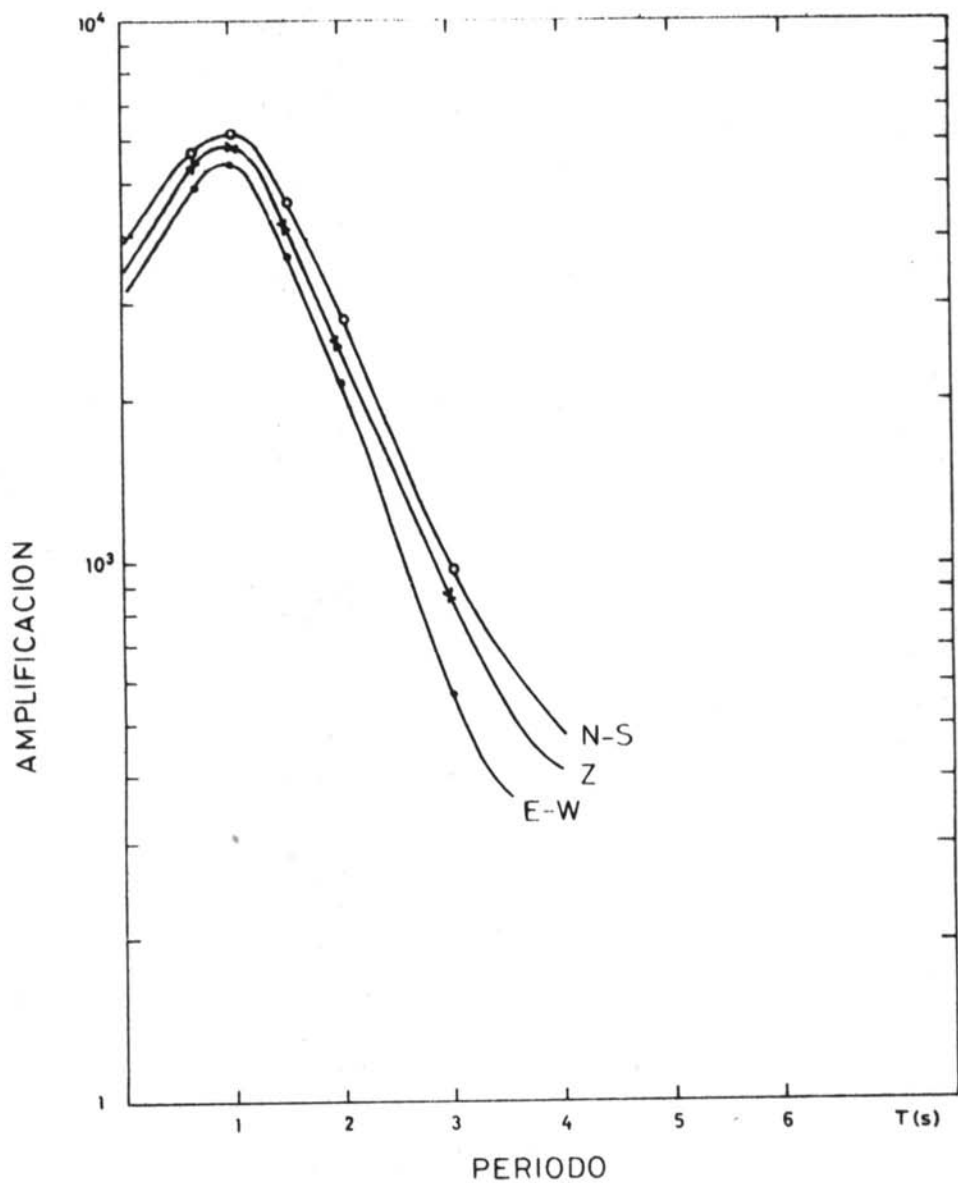


CURVA DE AMPLIFICACION DEL OBSERVATORIO DE TOLEDO

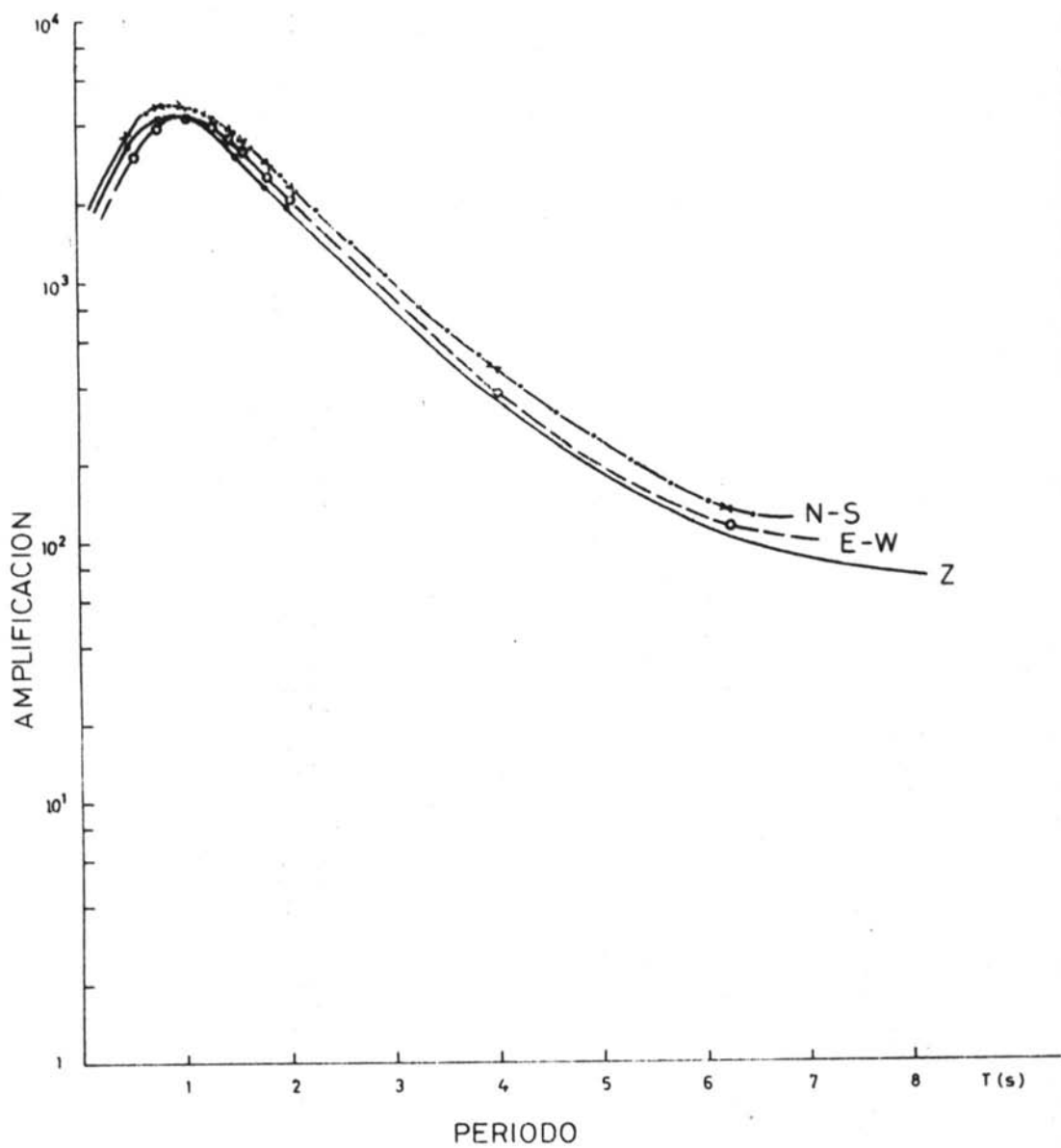


PERIODO

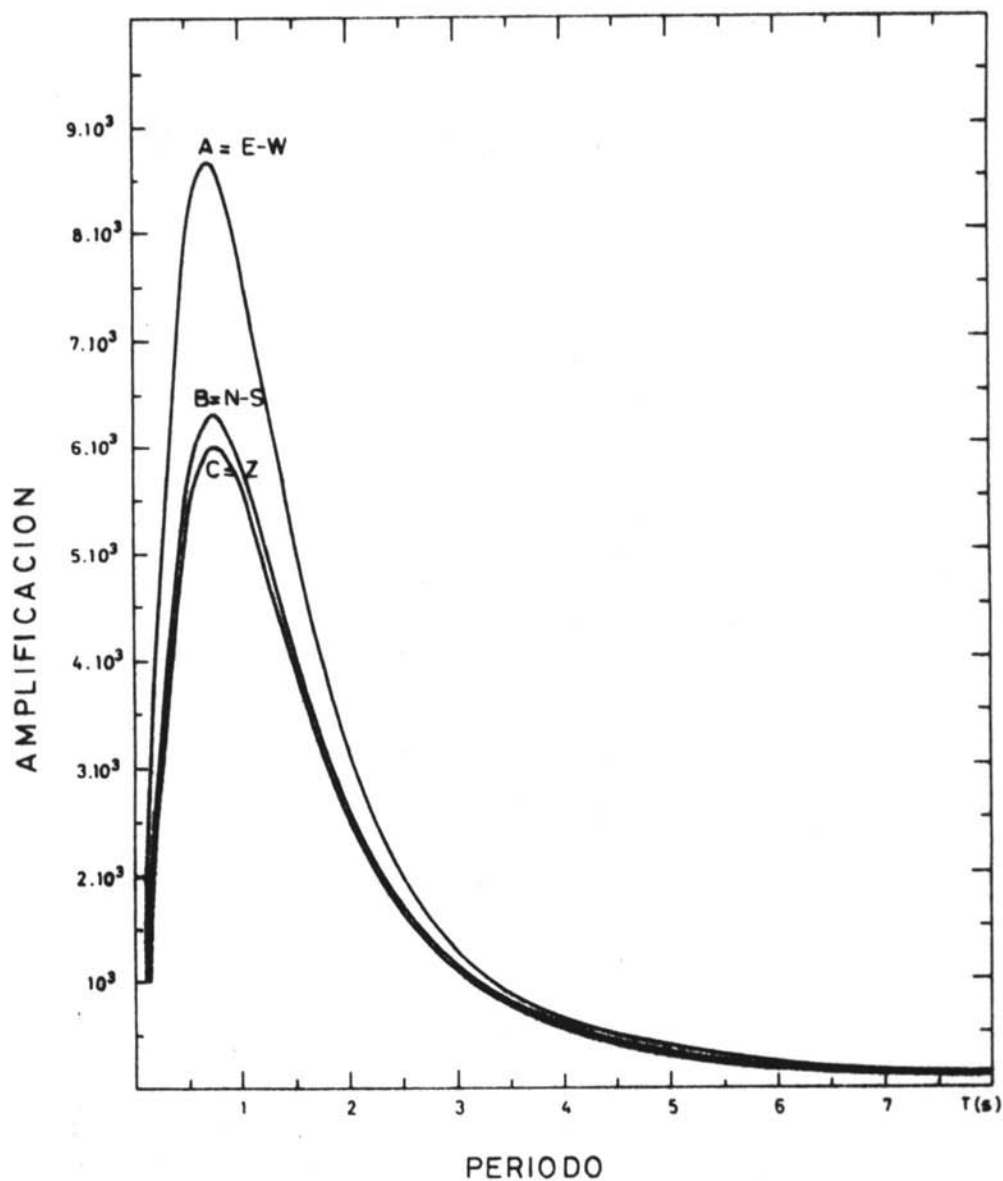
CURVA DE AMPLIFICACION DEL OBSERVATORIO DE MALAGA



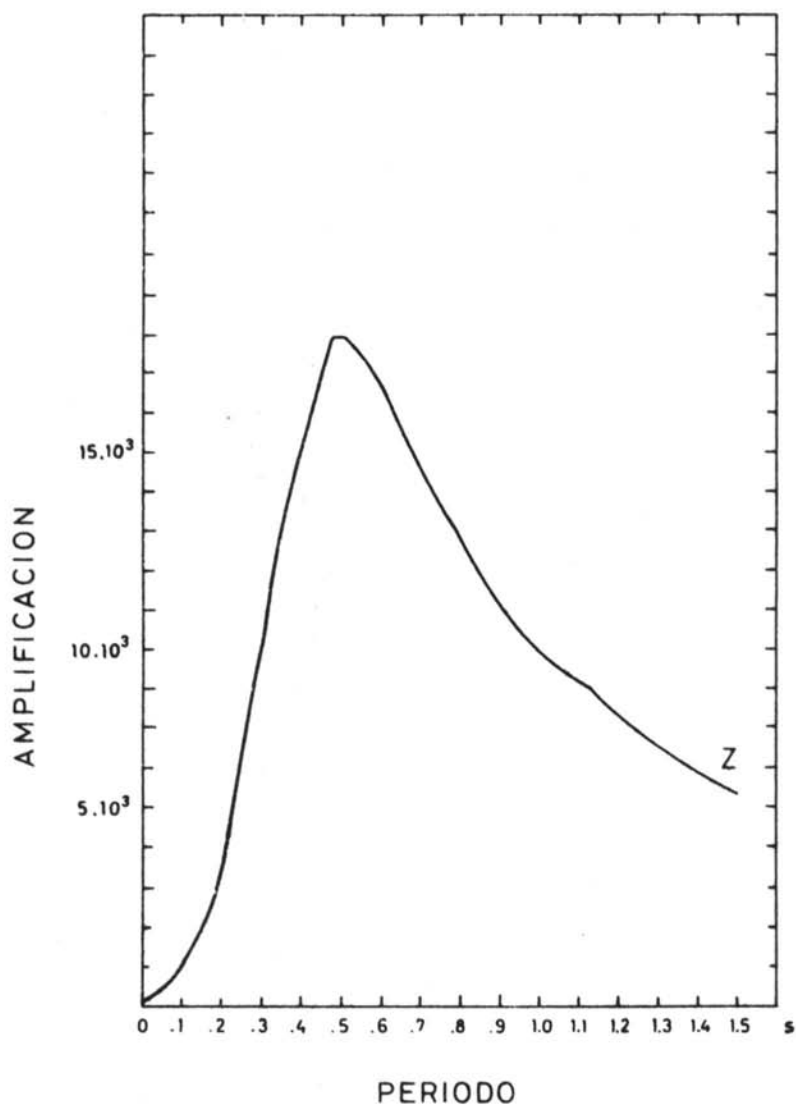
CURVA DE AMPLIFICACION DEL OBSERVATORIO DE ALMERIA



CURVA DE AMPLIFICACION DEL OBSERVATORIO DE ALICANTE



CURVA DE AMPLIFICACION DEL OBSERVATORIO DE LOGROÑO



CURVA DE AMPLIFICACION DEL OBSERVATORIO DE SAN FERNANDO