

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 1977

INSTITUTO GEOGRAFICO NACIONAL DE ESPANA

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.

| | |
|-------------------------|---------------------|
| JEFE DE LA SSIS | DR. A. LOPEZ ARROYO |
| EDITOR DEL BOLETIN SSIS | DR. J. MEZCUA |
| DATOS DE SISMOGRAMAS | IT. J. REVUELTA |
| DATOS MACROSISMICOS | IT. J. GALAN |

DIRECCION

INSTITUTO GEOGRAFICO NACIONAL
SECCION DE SISMOLOGIA E ING. SISMICA
APT. 3007, MADRID-3 ESPANA
TELEFONO 2333800
TELEX 23465 IGC E

ORGANIZACION Y METODOS DE LA RED SISMOLOGICA

LA SSIS RECIBE LA INFORMACION POR TELEGRAFO Y TELEX PROCEDENTE DE LA RED DE OBSERVATORIOS ESPANOLAS, 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, DE DUCIENDOSE 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 TANTO REGIONALES COMO INTERNACIONALES SE REALIZA POR TELEX CON 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.

NOTA EXPLICATIVA

EL CALCULO DE PARAMETROS HIPOCENTRALES SE REALIZA MEDIANTE AJUSTE DE CUADRADOS MINIMOS CON EL PROGRAMA EPD71 VERSION MODIFICADA DEL MODELO DE CORTEZA DE DOS CAPAS SOBRE UN ESPACIO SEMIINFINITO PARA DISTANCIAS INFERIORES A LOS 1000 KM Y PARA DISTANCIAS MAYORES UTILIZA LAS TABLAS DE JEFFREYS-BULLEN.

SI EL TERREMOTO ES REGISTRADO POR LA RED PORTATIL Y/O POR UN NUMERO DE ESTACIONES CERCANA SE UTILIZA EL PROGRAMA HYP071 DE W.H.K. LEE Y J.C. LAHR. EN ESTOS CASOS SE UTILIZA LA ESTRUCTURA MAS APROPIADA PARA LA ZONA DEDUCIDA POR LOS ESTUDIOS DE PERFILES SISMICOS.

LOS MODELOS DE CORTEZA UTILIZADOS SON

MODELO 1
***** *

| VEL (KM/S) | PROF(KM) | ESPESOR(KM) |
|------------|----------|-------------|
| 5.6 | 0.0 | 10.0 |
| 6.6 | 10.0 | 30.0 |
| 7.8 | 40.0 | |

MODELO 2
***** *

| VEL (KM/S) | PROF(KM) | ESPESOR(KM) |
|------------|----------|-------------|
| 4.6 | 0.0 | 2.0 |
| 6.0 | 2.0 | 15.0 |
| 7.1 | 17.0 | 30.0 |
| 8.1 | 47.0 | |

LA MAGNITUD DETERMINADA POR LA SSIS CORRESPONDE A LA FASE LG Y ESTA CALCULADA CON LAS ESTACIONES DE MAL Y TOL, LA EXPRESION UTILIZADA ESTA DEDUCIDA PARA COINCIDIR EN EL RANGO DE MAGNITUDES DE 4.5 A 5.5 CON LA MB DADA POR EL CENTRO DE SISMOLOGIA DE HOULDER(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 ABBREVIATURA 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 ADEMAS 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 ESTANDAR DEL EPICENTRO EN KM

ERZ ERROR ESTANDAR DE LA PROFUNDIDAD EN KM

NES NUMERO DE LECTURAS DE P Y S UTILIZADAS

ID INTENSIDAD MAXIMA EN EL EPICENTRO

BOLETIN DE SISMOS PROXIMOS

1

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| ENE | 3 | EBR | E | 15 | 28 | 45 | E | 15 | 28 | 56,0 | | | | |
| | | EBR | | | | | E | 15 | 36 | 17,0 | | | | |
| ENE | 4 | MAL | E | 01 | 03 | 18,5 | I | 1 | 3 | 21,5 | 0,3 | 0,3 | | |
| ENE | 4 | EBR | E | 11 | 38 | 30 | E | 11 | 38 | 48,0 | | | | |
| ENE | 4 | TOL | | 12 | 28 | 52,9 | I | 12 | 28 | 59,9 | | | | |
| ENE | 4 | TOL | E* | 13 | 26 | 55,4 | | | | | | | | |
| ENE | 4 | EBR | | | | | E | 15 | 50 | 36,0 | | | | |
| ENE | 4 | EBR | | | | | E | 16 | 33 | 49,0 | | | | |
| | | EBR | | | | | E | 16 | 38 | 52,0 | | | | |
| ENE | 5 | EBR | E | 09 | 18 | 33 | E | 9 | 18 | 43,0 | | | | |
| ENE | 5 | TOL | E* | 12 | 55 | 34,1 | I | 12 | 55 | 41,6 | | | | |
| ENE | 5 | LGR | E | 13 | 51 | 12 | I | 13 | 51 | 18,4 | | | | |
| | | LGR | E | 16 | 31 | 11,6 | I | 16 | 31 | 26,6 | | | | |
| ENE | 8 | EBR | E | 08 | 18 | 39 | E | 8 | 18 | 42,0 | | | | |
| | | EBR | | | | | E | 8 | 40 | 34,0 | | | | |
| ENE | 9 | LGR | E | 03 | 40 | 21,2 | I | 3 | 40 | 36,2 | | | | |
| ENE | 9 | MAL | T | 06 | 14 | 22, | | | | | | | | |
| ENE | 9 | TOL | E | 11 | 59 | 16,7 | I | 11 | 59 | 44,7 | | | | |
| | | ALM | E | 11 | 57 | 54 | T | 11 | 58 | 14,0 | | | | |
| | | MAL | I D | 11 | 57 | 42,2 | E | 11 | 57 | 60,0 | | | | |
| ENE | 9 | TOL | E | 19 | 17 | 46 | E | 19 | 18 | 19,0 | | | | |
| | | EBR | E | 19 | 16 | 46 | I | 19 | 17 | 15,0 | | | | |
| | | LGR | I C | 19 | 16 | 34,7 | I | 19 | 16 | 57,2 | | | | |
| ENE | 10 | EBR | | | | | E | 13 | 21 | 56,0 | | | | |
| ENE | 10 | TOL | E | 13 | 33 | 42,4 | E | 13 | 33 | 46,3 | | | | |
| ENE | 11 | MAL | E | 04 | 10 | 07 | E | 4 | 10 | 11,5 | | | | |
| ENE | 11 | ALM | I D | 15 | 07 | 09 | I | 15 | 7 | 17,0 | | | | |
| ENE | 12 | TOL | E | 15 | 13 | 51,2 | E | 15 | 14 | 0,7 | | | | |
| ENE | 12 | EBR | | | | | I | 16 | 36 | 19,0 | | | | |
| ENE | 12 | LGR | I | 17 | 24 | 48,7 | I | 17 | 24 | 56,6 | | | | |

BOLETIN DE SISMOS PROXIMOS

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| ENE 12 | MAL | I C | 20 | 09 | 05 | I | 20 | 9 | 15,0 | 0,2 | 0,5 | | |
| ENE 12 | TOL | E | 20 | 10 | 24,5 | | | | | | | | |
| ENE 12 | MAL | E I | 21 | 09 | 15, | | | | | | | | |
| ENE 13 | MAL | E | 04 | 01 | 00 | E | 4 | 1 | 9,0 | | | | |
| ENE 13 | EBR | | | | | E | 12 | 14 | 7,0 | | | | |
| | EBR | | | | | E | 13 | 16 | 19,0 | | | | |
| ENE 13 | MAL | E | 21 | 57 | 45 | I | 21 | 57 | 49,0 | 0,1 | 0,3 | | |
| ENE 14 | EBR | E | 05 | 18 | 52 | | | | | | | | |
| | EBR | | | | | E | 14 | 12 | 17,0 | | | | |
| ENE 14 | MAL | I C | 15 | 03 | 55 | I | 15 | 3 | 56,2 | 0,1 | 0,5 | | |
| ENE 15 | TOL | | | | | J | 11 | 50 | 5,0 | | | | |
| ENE 15 | EBR | E | 14 | 22 | 45 | I | 14 | 23 | 6,0 | | | | |
| | EBR | E | 15 | 51 | 05 | I | 15 | 51 | 8,0 | | | | |
| ENE 15 | MAL | E | 23 | 59 | 34,5 | E | 0 | 0 | 25,0 | | | | |
| ENE 16 | TOL | E | 00 | 00 | 17 | E | 0 | 1 | 30,0 | | | | |
| | COI | E | 00 | 00 | 34,3 | | | | | | | | |
| ENE 16 | ALM | I D | 02 | 28 | 31 | I | 2 | 28 | 40,0 | | | | |
| | MAL | E | 02 | 28 | 55 | F | 2 | 29 | 11,0 | | | | |
| ENE 16 | MAL | E | 02 | 59 | 55,5 | F | 3 | 0 | 4,0 | | | | |
| ENE 16 | EBR | | | | | E | 4 | 37 | 54,0 | | | | |
| ENE 16 | EBR | E | 10 | 22 | 32 | E | 10 | 23 | 9,0 | | | | |
| | LGR | E C | 10 | 22 | 04,1 | I | 10 | 22 | 19,1 | | | | |
| ENE 16 | EBR | E | 13 | 05 | 24 | I | 13 | 5 | 26,0 | | | | |
| ENE 16 | ALM | I D | 17 | 56 | 44 | I | 17 | 56 | 53,0 | | | | |

| MES | DIA | STA | PKK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------------------|-----|-----|-----|-------------|---------|------|---------|------------|-------|---------|------|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| ENE | 16 | ALM | I D | 21 | 06 | 24 | I | 21 | 6 | 47,0 | | | | |
| | | COI | I | 21 | 07 | 03,5 | I | 21 | 7 | 54,8 | | | | |
| | | EBR | E | 21 | 07 | 21 | E | 21 | 8 | 26,5 | | | | |
| | | FAR | I | 21 | 06 | 35,2 | I | 21 | 7 | 3,3 | | | | |
| | | LGR | E | 21 | 07 | 15,6 | I | 21 | 8 | 31,6 | | | | |
| | | LIS | I | 21 | 06 | 53,5 | E | 21 | 7 | 38,0 | | | | |
| | | MAL | I C | 21 | 06 | 05,4 | | | | | | | | |
| | | TOL | E | 21 | 06 | 55 | I | 21 | 7 | 48,5 | | | | |
| SSIS | | | | 1A=ENE=1977 | | | H/M/S= | 21=05=55,0 | | | | | | |
| | | | | LAT N= | 36=54,0 | | LONG W= | 05= 0,0 | PROF= | 33,0 KM | MAG= | | | |
| | | | | FMS= | | ERM= | KM | ERZ= | KM | NES= | 8 | ID= | | |
| TERA | | | | | | | | | | | | | | |
| PROVINCIA DE MALAGA | | | | | | | | | | | | | | |
| ENE | 17 | TOL | E* | 12 | 38 | 28 | I | 12 | 38 | 30,5 | | | | |
| ENE | 17 | TOL | | | | | E | 14 | 42 | 20,5 | | | | |
| ENE | 17 | ERR | | | | | E | 15 | 24 | 42,0 | | | | |
| ENE | 17 | ALM | I C | 15 | 29 | 03 | I | 15 | 29 | 15,0 | | | | |
| ENE | 17 | CRT | I | 16 | 08 | 35 | I | 16 | 8 | 44,6 | | | | |
| ENE | 17 | EBR | | | | | E | 16 | 38 | 36,0 | | | | |
| ENE | 18 | ALM | E | 06 | 59 | 18 | I | 6 | 59 | 21,0 | | | | |
| ENE | 18 | ERR | | | | | E | 8 | 50 | 18,0 | | | | |
| ENE | 18 | TOL | * | 12 | 39 | 37 | I | 12 | 39 | 57,5 | | | | |
| ENE | 18 | ERR | | | | | E | 14 | 16 | 31,0 | | | | |
| ENE | 18 | LGR | E | 15 | 19 | 55,3 | I | 15 | 20 | 5,3 | | | | |
| ENE | 18 | MAL | E | 17 | 00 | 02 | E | 17 | 0 | 10,0 | | | | |
| | | MAL | I C | 18 | 40 | 00 | | | | | | | | |
| ENE | 19 | LGR | E | 12 | 34 | 17,4 | I | 12 | 34 | 30,4 | | | | |
| ENE | 19 | TOL | E* | 14 | 46 | 13 | I | 14 | 46 | 19,5 | | | | |
| ENE | 20 | TOL | E* | 09 | 11 | 10 | I | 9 | 11 | 15,0 | | | | |
| ENE | 20 | LGR | E | 15 | 10 | 16 | I | 15 | 10 | 24,0 | | | | |
| ENE | 20 | TOL | E* | 16 | 16 | 36,8 | I | 16 | 16 | 39,5 | | | | |

| MES DIA | STA | PKK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|----------------------|----------------|-----|-------------------|----|------|---------------|----|-----------|------|------|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| ENE 20 | EBR | | | | | E | 16 | 34 | 20,0 | | | | |
| ENE 20 | LGR | E | 18 | 30 | 02 | I | 18 | 30 | 16,0 | | | | |
| ENE 21 | MAL | E | 03 | 35 | 22,2 | F | 3 | 35 | 25,0 | | | | |
| ENE 21 | TOL | E* | 09 | 18 | 51 | I | 9 | 19 | 4,0 | | | | |
| ENE 21 | EBR | | | | | E | 11 | 56 | 10,0 | | | | |
| | EBR | I | 12 | 13 | 43 | I | 12 | 13 | 47,0 | | | | |
| | EBR | | | | | E | 14 | 42 | 45,0 | | | | |
| ENE 21 | LGR | E | 16 | 30 | 03,5 | I | 16 | 30 | 18,5 | | | | |
| | LGR | E | 17 | 03 | 32,5 | I | 17 | 3 | 39,0 | | | | |
| ENE 22 | TOL | E | 07 | 46 | 28 | I | 7 | 47 | 2,0 | 0,10 | 0,8 | | |
| | EBR | E | 07 | 46 | 15 | I | 7 | 46 | 45,0 | | | | |
| | LGR | I 0 | 07 | 46 | 07 | I | 7 | 46 | 22,0 | | | | |
| ENE 22 | ALM | I 0 | 10 | 21 | 14 | I | 10 | 21 | 16,0 | | | | |
| ENE 22 | EBR | E | 16 | 15 | 05 | I | 16 | 15 | 17,0 | | | | |
| ENE 22 | MAL | E | 19 | 52 | 20 | E | | | | | | | |
| | MAL | E | 00 | 06 | 36 | I | 0 | 6 | 42,0 | 0,1 | 0,3 | | |
| ENE 23 | ALM | I C | 12 | 48 | 13 | I | 12 | 48 | 36,0 | | | | |
| | COI | E | 12 | 49 | 30,6 | I | 12 | 49 | 53,4 | | | | |
| | MAL | I 0 | 12 | 47 | 59,5 | I | 12 | 48 | 12,0 | 0,1 | 0,8 | | |
| | TOL | E | 12 | 48 | 23 | I | 12 | 48 | 51,0 | 0,2 | 0,8 | | |
| SSIS | 23-ENE-1977 | | H/M/S= 12-47-42,0 | | | | | | | | | | |
| | LAT N= 37-30,0 | | LONG W= 04-18,0 | | | PROF= 33,0 KM | | MAG= 4,1 | | | | | |
| | WMS= | | EPH= | | | KM ERZ= | | KM NES= 4 | | IO= | | | |
| CARRA | | | | | | | | | | | | | |
| PROVINCIA DE CORDOBA | | | | | | | | | | | | | |
| ENE 24 | MAL | E | 02 | 26 | 06 | I | 2 | 26 | 10,0 | 0,3 | 0,2 | | |
| | MAL | I 0 | 02 | 28 | 39,5 | I | 2 | 28 | 43,5 | 0,2 | 0,3 | | |
| ENE 24 | EBR | E | 09 | 33 | 07 | I | 9 | 33 | 10,0 | | | | |
| ENE 24 | TOL | F* | 14 | 03 | 45 | I | 14 | 3 | 50,6 | | | | |
| ENE 24 | EBR | E | 16 | 21 | 37 | I | 16 | 21 | 49,0 | | | | |
| ENE 25 | MAL | I | 09 | 09 | 11,8 | I | 9 | 9 | 16,0 | 0,4 | 0,5 | | |
| | TOL | E | 09 | 10 | 02 | I | 9 | 10 | 35,2 | | | | |

BOLETIN DE SISMOS PROXIMOS

5

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| ENE 25 | MAL | I | 10 | 03 | 11 | E | 10 | 3 | 15,5 | | | | |
| ENE 25 | LGR | E | 16 | 58 | 03,5 | I | 16 | 58 | 12,5 | | | | |
| ENE 25 | MAL | E | 18 | 12 | 06 | I | 18 | 12 | 11,0 | 0,1 | 0,4 | | |
| ENE 26 | MAL | E | 00 | 37 | 26,6 | I | 0 | 37 | 31,2 | 0,2 | 0,2 | | |
| | MAL | E | 00 | 53 | 59,5 | I | 0 | 54 | 5,0 | 0,1 | 0,3 | | |
| | MAL | E | 00 | 56 | 30,8 | I | 0 | 56 | 36,0 | 0,2 | 0,2 | | |
| ENE 26 | EBR | | | | | E | 11 | 21 | 40,0 | | | | |
| | ERR | E | 11 | 35 | 18 | E | 11 | 35 | 20,0 | | | | |
| ENE 26 | CRT | I | 12 | 19 | 44,1 | | | | | | | | |
| ENE 26 | EBR | | | | | E | 16 | 33 | 30,0 | | | | |
| ENE 27 | ERR | E | 11 | 25 | 42 | I | 11 | 25 | 43,0 | | | | |
| ENE 27 | TOL | | | | | I | 12 | 22 | 53,8 | | | | |
| ENE 27 | LGR | E | 13 | 09 | 51,8 | I | 13 | 9 | 58,3 | | | | |
| | LGR | E | 15 | 08 | 01,9 | I | 15 | 8 | 11,3 | | | | |
| | LGR | E | 19 | 04 | 58,8 | I | 19 | 5 | 9,3 | | | | |
| ENE 28 | LGR | E | 15 | 10 | 14 | I | 15 | 10 | 20,5 | | | | |
| ENE 29 | TOL | E | 11 | 03 | 06,8 | I | 11 | 3 | 11,5 | | | | |
| | TOL | | | | | I | 12 | 18 | 50,8 | | | | |
| ENE 30 | MAL | E | 02 | 32 | 21,5 | E | 2 | 32 | 45,0 | | | | |
| | MAL | E | 02 | 35 | 27 | E | 2 | 35 | 35,0 | | | | |
| | MAL | E | 04 | 17 | 06,5 | I | 4 | 17 | 10,0 | 0,2 | 0,3 | | |
| ENE 30 | TOL | | | | | E | 5 | 0 | 26,0 | | | | |
| ENE 31 | ERR | I | 16 | 47 | 25 | I | 16 | 47 | 30,0 | | | | |
| FEB 1 | LGR | E | 12 | 49 | 50,4 | I | 12 | 50 | 2,8 | | | | |
| | LGR | E | 14 | 29 | 52,3 | I | 14 | 30 | 14,3 | | | | |
| FEB 2 | ERR | | | | | E | 10 | 12 | 9,0 | | | | |
| | ERR | | | | | F | 11 | 3 | 20,0 | | | | |
| FEB 2 | ALI | E | 13 | 42 | 18,7 | F | 13 | 42 | 26,2 | 0,3 | 0,4 | | |
| FEB 2 | TOL | E | 13 | 43 | 32 | I | 13 | 43 | 38,5 | | | | |
| FEB 2 | ALM | I C | 15 | 28 | 24 | I | 15 | 28 | 27,0 | | | | |
| | ERR | | | | | E | 15 | 28 | 58,0 | | | | |

| MES | DIA | STA | PKA | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----------------------|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| FEB | 2 | TOL | * | | | | I | 15 | 41 | 38,8 | | | | |
| FEB | 2 | LGR | E | 16 | 48 | 41 | I | 16 | 48 | 47,5 | | | | |
| FEB | 2 | ERR | E | 16 | 55 | 56 | I | 16 | 56 | 12,5 | | | | |
| FEB | 3 | ERR | | | | | E | 10 | 2 | 20,0 | | | | |
| | | EBR | E | 12 | 17 | 40 | | | | | | | | |
| FEB | 3 | LGR | E | 15 | 18 | 38,2 | I | 15 | 18 | 49,2 | | | | |
| FEB | 3 | EBR | | | | | E | 15 | 21 | 33,0 | | | | |
| FEB | 3 | LGR | E | 15 | 47 | 33,4 | I | 15 | 47 | 48,4 | | | | |
| FEB | 3 | ALI | E | 18 | 08 | 46,2 | I | 18 | 8 | 51,7 | 0,1 | 0,8 | | |
| SENTIDO EN TORREVIEJA | | | | | | | | | | | | | | |
| FEB | 4 | LGR | E | 12 | 56 | 37,2 | I | 12 | 56 | 42,2 | | | | |
| FEB | 4 | TOL | E | 15 | 07 | 09 | I | 15 | 7 | 15,5 | | | | |
| FEB | 4 | CRT | I | 15 | 57 | 08,1 | I | 15 | 57 | 16,6 | | | | |
| FEB | 5 | CRT | E | 02 | 50 | 11,8 | | | | | | | | |
| FEB | 5 | ERR | | | | | E | 6 | 56 | 12,0 | | | | |
| | | CRT | | 11 | 13 | 15,7 | | | | | | | | |
| FEB | 5 | TOL | * | | | | I | 16 | 52 | 22,3 | | | | |
| FEB | 6 | CRT | I | 06 | 43 | 06 | | | | | | | | |
| FEB | 7 | TOL | E | 00 | 04 | 22 | | | | | | | | |
| FEB | 7 | EBR | E | 12 | 53 | 08 | I | 12 | 53 | 20,0 | | | | |
| FEB | 7 | LGR | E | 14 | 19 | 29,8 | I | 14 | 19 | 49,8 | | | | |
| FEB | 7 | MAL | E | 17 | 09 | 15,5 | I | 17 | 9 | 18,3 | | | | |
| FEB | 7 | TOL | * | | | | E | 17 | 10 | 35,5 | | | | |
| FEB | 7 | LGR | I | 17 | 42 | 38,9 | I | 17 | 42 | 49,3 | | | | |
| FEB | 8 | CRT | I | 13 | 03 | 25,4 | | | | | | | | |
| FEB | 8 | ERR | | | | | E | 15 | 45 | 49,0 | | | | |
| | | CRT | E | 16 | 18 | 38,8 | I | 16 | 18 | 47,5 | | | | |

BOLETIN DE SISMOS PROXIMOS

7

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| FEB | 8 | LGR | I | 16 | 27 | 31,9 | I | 16 | 27 | 46,9 | | | | |
| FEB | 8 | ALM | I D | 16 | 51 | 53 | I | 16 | 51 | 54,0 | | | | |
| FEB | 8 | TOL | E* | 16 | 59 | 11 | | | | | | | | |
| FEB | 9 | TOL | E | 11 | 13 | 11,5 | | | | | | | | |
| FEB | 9 | CRT | I | 12 | 21 | 57,6 | I | 12 | 22 | 8,1 | | | | |
| FEB | 9 | TOL | E* | 12 | 23 | 04 | | | | | | | | |
| FEB | 9 | MAL | E | 15 | 20 | 54,5 | I | 15 | 20 | 57,5 | | | | |
| FEB | 9 | LGR | E | 17 | 32 | 28,2 | I | 17 | 32 | 43,2 | | | | |
| FEB | 10 | ALI | E | 10 | 56 | 09,5 | I | 10 | 56 | 17,8 | | | | |
| | | TOL | | | | | E | 10 | 57 | 31,0 | | | | |
| FEB | 11 | LGR | E | 01 | 65 | 12,2 | I | 1 | 65 | 30,2 | | | | |
| FEB | 11 | EBR | E | 10 | 14 | 42 | E | 10 | 14 | 45,0 | | | | |
| | | ERR | | | | | | 11 | 8 | 52,0 | | | | |
| FEB | 11 | LGR | E | 12 | 52 | 18,5 | I | 12 | 52 | 29,9 | | | | |
| FEB | 11 | TOL | * | | | | E | 14 | 38 | 17,0 | | | | |
| FEB | 11 | MAL | E | 14 | 48 | 11 | I | 14 | 48 | 12,0 | 0,2 | 0,3 | | |
| FEB | 11 | LGR | I C | 16 | 06 | 45,6 | | 16 | 6 | 54,1 | | | | |
| FEB | 11 | TOL | E | 16 | 10 | 50 | I | 16 | 10 | 55,5 | | | | |
| FEB | 11 | ALM | I C | 16 | 37 | 18 | I | 16 | 37 | 19,0 | | | | |
| | | CRT | I | 16 | 37 | 18,4 | I | 16 | 37 | 25,4 | | | | |
| FEB | 12 | ALI | | 03 | 44 | 05 | I | 3 | 44 | 11,0 | | | | |
| FEB | 12 | MAL | E | 03 | 58 | 42 | | | | | | | | |
| FEB | 12 | EBR | E | 13 | 02 | 54 | I | 13 | 2 | 56,0 | | | | |
| FEB | 12 | EBR | I | | | | E | 14 | 27 | 10,0 | | | | |
| FEB | 13 | MAL | I D | 14 | 05 | 41,5 | I | 14 | 5 | 53,0 | 0,1 | 0,5 | | |
| FEB | 13 | TOL | E | 14 | 06 | 50 | I | 14 | 7 | 7,0 | | | | |
| FEB | 13 | CRT | E | 21 | 01 | 40,5 | E | 21 | 1 | 53,5 | | | | |
| | | MAL | I D | 21 | 01 | 30 | I | 21 | 1 | 39,0 | 0,1 | 0,5 | | |

A BOLETIN DE SISMOS PROXIMOS

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| FEB 13 | TOL | E | 21 | 03 | 15 | E | 21 | 3 | 20,0 | | | | |
| FEB 14 | EBR | E | 16 | 52 | 35 | I | 16 | 52 | 39,0 | | | | |
| FEB 14 | LGR | E | 17 | 33 | 17 | I | 17 | 33 | 19,8 | | | | |
| FEB 15 | TOL | E* | 12 | 08 | 27 | E | 12 | 8 | 30,5 | | | | |
| FEB 15 | EBR | | | | | E | 12 | 13 | 53,0 | | | | |
| FEB 15 | LGR | I | 15 | 00 | 12,6 | I | 15 | 0 | 27,6 | | | | |
| FEB 15 | CRT | I | 16 | 35 | 13,6 | E | 16 | 35 | 20,6 | | | | |
| FEB 15 | MAL | E | 22 | 07 | 44 | | | | | | | | |
| FEB 16 | EBR | | | | | I | 9 | 58 | 20,0 | | | | |
| FEB 16 | MAL | E | 14 | 46 | 12,8 | E | 14 | 46 | 44,0 | | | | |
| FEB 16 | EBR | | | | | E | 15 | 52 | 0,0 | | | | |
| FEB 16 | ALM | I D | 17 | 33 | 58 | I | 17 | 33 | 59,0 | | | | |
| FEB 17 | MAL | I C | 14 | 37 | 11,7 | I | 14 | 37 | 12,3 | 0,2 | 0,5 | | |
| FEB 17 | ALM | I | 16 | 54 | 30 | I | 16 | 54 | 33,0 | | | | |
| FEB 17 | TOL | I* | 16 | 54 | 30,5 | I | 16 | 54 | 33,5 | | | | |
| | TOL | * | | | | E | 17 | 6 | 36,0 | | | | |
| FEB 17 | EBR | | | | | E | 17 | 11 | 23,0 | | | | |
| FEB 17 | LGR | E | 19 | 45 | 35 | I | 19 | 45 | 44,2 | | | | |
| FEB 18 | ALM | I C | 12 | 10 | 02,0 | I | 12 | 10 | 34,0 | | | | |
| | CRT | I | 12 | 09 | 46,9 | I | 12 | 10 | 5,2 | | | | |
| | EBR | E | 12 | 10 | 51,0 | E | 12 | 12 | 28,0 | | | | |
| | LGR | E | 12 | 10 | 50,1 | I | 12 | 11 | 56,1 | | | | |
| | MAL | I | 12 | 09 | 33,0 | I | 12 | 9 | 34,2 | 1,5 | 0,2 | | |
| | TOL | E | 12 | 10 | 13,0 | I | 12 | 10 | 49,0 | | | | |

SSIS 18-FEB-1977 H/M/S= 12-09-20,0
 LAT N= 36-48,0 LONG W= 05-30,0 PROF= 20, KM MAG= 4,6
 RMS= 2,1 ERH= KM ERZ= KM NES= 06 IO=

GRAZALEMA
 PROVINCIA DE CADIZ

FEB 18 LGR E 13 04 33 I 13 4 48,0

BOLETIN DE SISMOS PROXIMOS

9

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA=COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| FEB | 18 | TOL | E* | 15 | 45 | 17 | I | 15 | 45 | 23,0 | | | | |
| FEB | 18 | EBR | | | | | | 16 | 31 | 15,0 | | | | |
| FEB | 20 | LGR | E | 02 | 28 | 56 | I | 2 | 29 | 14,0 | | | | |
| FEB | 21 | LGR | E | 11 | 11 | 44,1 | I | 11 | 11 | 54,6 | | | | |
| FEB | 21 | EBR | E | 13 | 11 | 50 | I | 13 | 12 | 1,0 | | | | |
| | | EBR | | | | | I | 15 | 57 | 54,0 | | | | |
| FEB | 22 | MAL | E | 12 | 14 | 06 | I | 12 | 14 | 22,3 | 0,4 | 0,2 | | |
| FEB | 22 | LGR | E | 12 | 30 | 16 | I | 12 | 30 | 22,5 | | | | |
| FEB | 22 | MAL | E | 14 | 53 | 45,7 | I | 14 | 53 | 47,0 | 0,2 | 0,2 | | |
| FEB | 22 | ALM | I C | 15 | 17 | 51 | I | 15 | 18 | 6,0 | | | | |
| FEB | 22 | MAL | E | 17 | 41 | 48 | E | 17 | 42 | 0,2 | | | | |
| FEB | 23 | LGR | E | 12 | 33 | 26 | I | 12 | 33 | 43,0 | | | | |
| | | LGR | E | 13 | 59 | 58 | I | 14 | 0 | 4,5 | | | | |
| FEB | 25 | ALM | I | 00 | 53 | 17 | I | 0 | 53 | 22,0 | | | | |
| | | CRT | I | 00 | 53 | 22,2 | I | 0 | 53 | 30,2 | | | | |
| | | MAL | E | 00 | 53 | 22 | E | 0 | 53 | 37,5 | | | | |
| | | TOL | E | 00 | 54 | 11 | I | 0 | 54 | 52,0 | | | | |

SSIS 25-FEB-1977 H/M/S= 00-53-10,0
 LAT N= 36-54,0 LONG W= 02-54,0 PROF= 33. KM MAG=
 RMS= ERH= KM ERZ= KM NES= 04 IO=

BERJA
 PROVINCIA DE ALMERIA

| | | | | | | | | | | | | | |
|-----|----|-----|----|----|----|------|---|----|----|------|--|--|--|
| FEB | 25 | LGR | I | 16 | 29 | 10 | I | 16 | 29 | 18,0 | | | |
| FEB | 26 | EBR | I | 11 | 23 | 13 | I | 11 | 23 | 17,0 | | | |
| FEB | 26 | TOL | E | 13 | 24 | 58 | I | 13 | 25 | 4,0 | | | |
| FEB | 26 | CRT | E | 13 | 54 | 02,7 | E | 13 | 54 | 11,7 | | | |
| FEB | 26 | TOL | E* | 13 | 12 | 26 | I | 13 | 12 | 30,5 | | | |
| | | TOL | E* | 14 | 54 | 15 | I | 14 | 54 | 24,5 | | | |
| | | TOL | E* | 15 | 13 | 47 | I | 15 | 13 | 50,5 | | | |
| FEB | 27 | TOL | E | 18 | 12 | 05 | E | 18 | 13 | 53,0 | | | |

BOLETIN DE SISMOS PROXIMOS

11

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| MAR 4 | MAL | E | 02 | 59 | 57,5 | E | 3 | 0 | 21,2 | | | | |
| MAR 4 | TOL | E* | 12 | 20 | 43 | I | 12 | 21 | 14,0 | | | | |
| | TOL | E* | 12 | 30 | 45 | | | | | | | | |
| MAR 4 | CRT | I | 13 | 49 | 00,8 | I | 13 | 49 | 2,7 | | | | |
| MAR 4 | LGR | E | 14 | 49 | 58 | I | 14 | 50 | 7,5 | | | | |
| MAR 5 | TOL | E | 00 | 13 | 18,5 | E | 0 | 13 | 50,0 | | | | |
| MAR 5 | EBR | | | | | | 12 | 2 | 41,0 | | | | |
| | EBR | | | | | | 12 | 38 | 30,0 | | | | |
| MAR 5 | MAL | E | 17 | 33 | 36 | E | 17 | 33 | 41,0 | | | | |
| | TOL | E | 17 | 34 | 51 | E | 17 | 35 | 30,0 | | | | |
| MAR 6 | MAL | E | 03 | 16 | 32 | E | 3 | 16 | 49,0 | | | | |
| | MAL | E | 03 | 19 | 39,5 | E | 3 | 19 | 50,0 | | | | |
| MAR 7 | MAL | E | 09 | 42 | 42 | E | 9 | 43 | 32,0 | | | | |
| | TOL | E | 09 | 43 | 15 | E | 9 | 44 | 5,5 | | | | |
| MAR 7 | LGR | E | 11 | 40 | 03,1 | I | 11 | 40 | 6,2 | | | | |
| MAR 7 | EBR | | | | | I | 12 | 15 | 21,0 | | | | |
| | EBR | | | | | E | 12 | 32 | 11,0 | | | | |
| MAR 7 | TOL | E* | 13 | 19 | 55,5 | I | 13 | 20 | 4,1 | | | | |
| | TOL | E* | 17 | 04 | 47 | E | 17 | 5 | 9,5 | | | | |
| MAR 7 | LGR | E | 17 | 54 | 58,1 | I | 17 | 55 | 7,6 | | | | |
| MAR 7 | CRT | E | 23 | 10 | 18,3 | | | | | | | | |
| | MAL | E | 23 | 10 | 36 | E | 23 | 10 | 49,0 | | | | |
| MAR 7 | TOL | E* | 23 | 11 | 01 | F | 23 | 11 | 32,0 | | | | |
| MAR 8 | TOL | E | 12 | 07 | 30 | | | | | | | | |
| MAR 8 | ERR | E | 15 | 49 | 07 | | | | | | | | |
| | LGR | E | 15 | 48 | 19,1 | I | 15 | 48 | 28,6 | | | | |
| MAR 8 | TOL | E* | 16 | 20 | 12,5 | E | 16 | 20 | 17,0 | | | | |
| MAR 8 | ERR | | | | | I | 20 | 20 | 50,0 | | | | |
| MAR 10 | LGR | I | 11 | 09 | 46,1 | I | 11 | 9 | 52,6 | | | | |
| MAR 10 | ERR | | | | | | 11 | 30 | 26,0 | | | | |
| | ERR | | | | | | 11 | 43 | 17,0 | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| MAR | 10 | TOL | E | 12 | 26 | 58 | E | 12 | 27 | 25,5 | | | | |
| MAR | 10 | CRT | E | 12 | 51 | 18,4 | | | | | | | | |
| | | CRT | E | 13 | 13 | 43,9 | | | | | | | | |
| MAR | 10 | ALM | I C | 15 | 52 | 53 | E | 15 | 53 | 15,0 | | | | |
| MAR | 11 | EBR | | | | | E | 11 | 57 | 16,0 | | | | |
| MAR | 11 | LGR | | 16 | 00 | 59,6 | I | 16 | 1 | 14,6 | | | | |
| MAR | 12 | ALT | E | 03 | 44 | 05,2 | I | 3 | 44 | 10,7 | 0,2 | 0,4 | | |
| MAR | 12 | CRT | E | 10 | 39 | 00,9 | | | | | | | | |
| MAR | 12 | MAL | I | 12 | 50 | 22 | I | 12 | 50 | 23,0 | 0,1 | 0,5 | | |
| MAR | 14 | EBR | E | 09 | 12 | 29 | I | 9 | 12 | 32,0 | | | | |
| MAR | 14 | ALM | I D | 12 | 40 | 09 | I | 12 | 40 | 13,0 | | | | |
| MAR | 14 | EBR | | | | | | 16 | 11 | 55,0 | | | | |
| MAR | 14 | ALM | I | 16 | 55 | 43 | I | 16 | 55 | 45,0 | | | | |
| MAR | 15 | EBR | | | | | E | 6 | 18 | 18,0 | | | | |
| MAR | 15 | ALM | I | 12 | 59 | 37 | I | 12 | 59 | 39,0 | | | | |
| MAR | 15 | EBR | | | | | E | 14 | 18 | 25,0 | | | | |
| MAR | 15 | TOL | E | 16 | 02 | 34 | I | 16 | 2 | 45,0 | | | | |
| MAR | 15 | EBR | | | | | | 17 | 2 | 5,0 | | | | |
| MAR | 16 | MAL | E | 03 | 29 | 47 | | 3 | 31 | 43,0 | | | | |
| MAR | 16 | CRT | E | 11 | 15 | 11,1 | | | | | | | | |
| MAR | 16 | EBR | E | 11 | 56 | 38 | I | 11 | 56 | 40,5 | | | | |
| MAR | 16 | ERR | | | | | E | 12 | 7 | 30,0 | | | | |
| MAR | 16 | MAL | I C | 18 | 03 | 17,3 | I | 18 | 3 | 29,0 | 0,1 | 0,3 | | |
| MAR | 17 | CRT | E | 03 | 44 | 03,1 | | | | | | | | |
| MAR | 17 | ERR | | | | | I | 11 | 7 | 11,0 | | | | |
| | | ERR | | | | | E | 11 | 56 | 44,0 | | | | |
| | | ERR | | | | | I | 12 | 33 | 21,0 | | | | |
| | | ERR | E | 12 | 41 | 49 | I | 12 | 42 | 1,0 | | | | |

BOLETIN DE SISMOS PROXIMOS

13

| MES | DTA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA=COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| | | | | | | | | | | | | | | |
| MAR | 17 | CRT | E | 16 | 38 | 14,1 | | | | | | | | |
| MAR | 17 | ERR | | 16 | 58 | 40, | | | | | | | | |
| MAR | 17 | CRT | E | 17 | 00 | 07,2 | | | | | | | | |
| | | CRT | E | 17 | 02 | 00,9 | | | | | | | | |
| MAR | 17 | LGR | E | 17 | 59 | 30,5 | I | 17 | 59 | 50,5 | | | | |
| | | TOL | E* | 13 | 11 | 22,5 | | | | | | | | |
| | | TOL | E* | 13 | 17 | 54,5 | I | 13 | 17 | 58,5 | | | | |
| | | TOL | E* | 13 | 20 | 55,3 | I | 13 | 21 | 8,0 | | | | |
| MAR | 18 | CRT | E | 14 | 17 | 05 | | | | | | | | |
| MAR | 18 | LGR | E | 14 | 28 | 26,3 | I | 14 | 28 | 32,8 | | | | |
| MAR | 18 | TOL | E* | 14 | 36 | 27 | I | 14 | 36 | 36,0 | | | | |
| MAR | 19 | MAL | E | 18 | 26 | 44 | I | 18 | 26 | 49,0 | 0,2 | 0,2 | | |
| MAR | 20 | CRT | I | 17 | 13 | 06,4 | I | 17 | 13 | 11,3 | | | | |
| MAR | 21 | EBR | | | | | E | 12 | 40 | 55,0 | | | | |
| | | FBR | | | | | E | 14 | 1 | 36,0 | | | | |
| MAR | 21 | CRT | E | 17 | 07 | 37,9 | | | | | | | | |
| MAR | 21 | MAL | E | 18 | 38 | 33 | E | 18 | 38 | 58,0 | | | | |
| | | TOL | E | 18 | 38 | 48 | I | 18 | 39 | 15,0 | | | | |
| MAR | 22 | ERR | I | 13 | 29 | 17 | | 13 | 35 | 9,0 | | | | |
| | | ERR | | 14 | 32 | 23 | F | | | | | | | |
| MAR | 23 | CRT | E | 11 | 19 | 57,5 | | | | | | | | |
| | | MAL | I D | 11 | 19 | 39 | E | | | | | | | |
| | | TOL | E | 11 | 20 | 30 | E | 11 | 21 | 5,5 | | | | |
| MAR | 23 | TOL | E | 11 | 55 | 07,3 | I | 11 | 55 | 15,8 | | | | |
| MAR | 23 | EBR | | | | | E | 12 | 14 | 54,0 | | | | |
| MAR | 23 | ALM | I D | 12 | 23 | 37 | I | 12 | 23 | 38,0 | | | | |
| MAR | 23 | EBR | | | | | I | 12 | 28 | 54,0 | | | | |
| | | EBR | | | | | E | 14 | 12 | 18,0 | | | | |
| MAR | 23 | TOL | E | 15 | 12 | 17 | I | 15 | 12 | 19,0 | | | | |
| MAR | 23 | ALM | I D | 15 | 57 | 54 | I | 15 | 57 | 56,0 | | | | |
| MAR | 23 | CRT | E | 16 | 01 | 26,5 | | | | | | | | |

BOLETIN DE SISMOS PROXIMOS

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| MAR 24 | EBR | E | 13 | 05 | 04 | E | 13 | 5 | 18,0 | | | | |
| MAR 24 | CRT | E | 14 | 18 | 48,3 | | | | | | | | |
| | MAL | E | 14 | 18 | 27 | I | 14 | 18 | 41,0 | | | | |
| MAR 24 | ALM | E | 14 | 19 | 04 | | | | | | | | |
| | TOL | F | 14 | 19 | 19,5 | I | 14 | 19 | 53,5 | | | | |
| MAR 24 | TOL | E | 14 | 19 | 19,5 | I | 14 | 19 | 53,5 | | | | |
| MAR 25 | CRT | E | 12 | 00 | 37,6 | | | | | | | | |
| | MAL | E | 11 | 59 | 53 | E | 12 | 0 | 7,5 | | | | |
| MAR 25 | LGR | E | 12 | 23 | 42 | I | 12 | 24 | 5,5 | | | | |
| MAR 25 | ALM | I C | 14 | 42 | 12 | I | 14 | 42 | 20,0 | | | | |
| MAR 25 | CRT | E | 15 | 58 | 18 | | | | | | | | |
| MAR 25 | LGR | E | 18 | 02 | 33 | I | 18 | 2 | 42,0 | | | | |
| MAR 26 | EBR | | | | | E | 14 | 58 | 2,0 | | | | |
| MAR 26 | CRT | E | 23 | 20 | 51,4 | | | | | | | | |
| MAR 28 | TOL | E* | 12 | 31 | 05 | I | 12 | 31 | 15,0 | 0,1 | 0,9 | | |
| | TOL | E* | 13 | 49 | 03 | | | | | | | | |
| | TOL | E* | 14 | 34 | 51 | I | 14 | 34 | 55,0 | | | | |
| MAR 28 | LGR | F | 15 | 53 | 53 | I | 15 | 54 | 13,0 | | | | |
| MAR 28 | CRT | E | 18 | 12 | 19,7 | | | | | | | | |
| | CRT | E | 19 | 18 | 49,2 | | | | | | | | |
| | MAL | E | 19 | 17 | 59 | I | 19 | 18 | 15,0 | | | | |
| MAR 28 | TOL | E* | 19 | 19 | 13 | E | 19 | 19 | 30,5 | | | | |
| MAR 29 | ALM | I C | 14 | 29 | 48 | I | 14 | 29 | 51,0 | | | | |
| MAR 29 | EBR | | | | | I | 16 | 29 | 55,0 | | | | |
| MAR 29 | MAL | E | 23 | 47 | 04,5 | E | 23 | 47 | 19,0 | | | | |
| MAR 30 | ERR | | 12 | 20 | 36, | | | | | | | | |
| MAR 30 | TOL | E* | 14 | 11 | 38 | I | 14 | 11 | 41,0 | | | | |
| MAR 31 | EBR | | | | | E | 14 | 53 | 56,0 | | | | |
| MAR 31 | MAL | I D | 15 | 30 | 44 | I | 15 | 30 | 44,8 | 0,5 | 0,5 | | |

BOLETIN DE SISMOS PROXIMOS

15

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-------|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| ABR 1 | EBR | | | | | E | 6 | 27 | 19,0 | | | | |
| | EBR | | | | | E | 11 | 33 | 38,0 | | | | |
| | EBR E | | 11 | 52 | 34 | E | 11 | 52 | 45,0 | | | | |
| | EBR E | | 12 | 05 | 51 | | 12 | 6 | 4,0 | | | | |
| ABR 1 | TOL | E* | 12 | 31 | 55 | I | 12 | 31 | 58,0 | | | | |
| ABR 1 | ALM | I D | 16 | 20 | 22 | I | 16 | 20 | 23,0 | | | | |
| ABR 1 | EBR | E | 16 | 32 | 36 | E | 16 | 32 | 48,0 | | | | |
| ABR 2 | TOL | E | 03 | 16 | 50 | E | 3 | 17 | 14,0 | | | | |
| ABR 2 | LGR | E | 11 | 03 | 43 | I | 11 | 3 | 48,5 | | | | |
| | LGR | E | 12 | 15 | 38 | I | 12 | 15 | 44,5 | | | | |
| ABR 2 | CRT | E | 16 | 06 | 19,3 | E | 16 | 7 | 21,0 | | | | |
| | COI | I | 16 | 06 | 00,2 | I | 16 | 6 | 46,2 | | | | |
| | ERR | E | 16 | 07 | 28, | E | 16 | 9 | 1,0 | | | | |
| | FAR | I | 16 | 05 | 37,6 | I | 16 | 6 | 2,3 | | | | |
| | LGR | E | 16 | 07 | 14, | I | 16 | 8 | 35,5 | | | | |
| | LIS | I | 16 | 05 | 38,6 | I | 16 | 6 | 10,0 | | | | |
| | MAL | I C | 16 | 06 | 10,2 | | | | | 0,7 | | | |
| | MTE | I | 16 | 06 | 07,6 | I | 16 | 6 | 59,4 | | | | |
| | PTO | I | 16 | 06 | 11,1 | | | | | | | | |
| | SFS | E | 16 | 05 | 58,5 | E | 16 | 6 | 29,0 | | | | |

SSIS 02=ABR-1977 H/M/S= 16-05= 0,0
 LAT N= 36-36,0 LONG W= 09-54,0 PROF= 05, KM MAG= 4,1
 RMS= 5,9 ERH= KM ERZ= KM NES= 09 IO=

NEIS 02=ABR-1977 H/M/S= 16-04=54,3
 LAT N= 36-12,0 LONG W= 10-30,0 PROF= 33, KM MAG= 4,8
 RMS= 0,7 ERH= KM ERZ= KM NES= 30 IO=

OCEANO ATLANTICO

| | | | | | | | | | | | | | |
|-------|-----|---|----|----|------|---|----|----|------|-----|-----|--|--|
| ABR 4 | EBR | | | | | E | 11 | 25 | 20,0 | | | | |
| | EBR | | | | | E | 11 | 33 | 16,0 | | | | |
| ABR 4 | MAL | E | 12 | 59 | 39 | I | 12 | 59 | 45,0 | 0,0 | 0,3 | | |
| | CRT | E | 12 | 59 | 45,2 | | | | | | | | |
| ABR 4 | LGR | | 12 | 28 | 03 | I | 12 | 28 | 13,5 | | | | |
| ABR 4 | EBR | | | | | E | 15 | 27 | 57,0 | | | | |
| | EBR | | | | | | 15 | 34 | 54,0 | | | | |
| ABR 5 | MAL | E | 10 | 02 | 36 | I | 10 | 2 | 37,2 | 0,3 | 0,3 | | |
| ABR 5 | LGR | E | 12 | 41 | 59,9 | I | 12 | 42 | 14,9 | | | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| ABR 5 | TOL | I | 20 | 30 | 44,5 | I | 20 | 31 | 56,5 | | | | |
| | MAL | E | 20 | 30 | 54 | | 20 | 31 | 11,6 | | | | |
| ABR 6 | ERR | | | | | E | 6 | 32 | 17,0 | | | | |
| ABR 6 | CRT | E | 10 | 59 | 01,7 | | | | | | | | |
| ABR 6 | TOL | E* | 11 | 27 | 23 | I | 11 | 27 | 25,2 | | | | |
| | TOL | * | | | | | 11 | 36 | 30,2 | | | | |
| | TOL | E* | 12 | 18 | 57,5 | | | | | | | | |
| ABR 6 | ERR | E | 13 | 02 | 17 | I | 13 | 2 | 21,0 | | | | |
| | ERR | F | 13 | 34 | 20 | E | 13 | 34 | 31,0 | | | | |
| ABR 6 | TOL | E* | 14 | 14 | 40 | I | 14 | 14 | 46,2 | | | | |
| ABR 6 | MAL | I C | 14 | 50 | 22 | I | 14 | 50 | 23,0 | 0,2 | 0,3 | | |
| ABR 6 | EBR | | | | | E | 16 | 46 | 17,0 | | | | |
| ABR 9 | ERR | | | | | | 17 | 9 | 14,0 | | | | |
| ABR 6 | LGR | I C | 17 | 39 | 07,2 | I | 17 | 39 | 15,7 | | | | |
| ABR 11 | CAR | I | 13 | 27 | 37,5 | | | | | | | | |
| | MAL | E | 13 | 27 | 50 | I | 13 | 27 | 53,5 | 0,0 | 0,3 | | |
| ABR 11 | TOL | E* | 15 | 44 | 09 | E | 15 | 44 | 15,0 | | | | |
| | TOL | E* | 16 | 22 | 03 | | | | | | | | |
| ABR 11 | EBR | | | | | | 17 | 2 | 56,0 | | | | |
| | LGR | F | 17 | 02 | 17 | E | 17 | 2 | 34,5 | | | | |
| ABR 12 | TOL | E | 11 | 01 | 12,5 | I | 11 | 1 | 20,5 | | | | |
| ABR 12 | LGR | E | 16 | 55 | 07,1 | I | 16 | 55 | 22,1 | | | | |
| ABR 12 | ALI | E | 19 | 45 | 47, | I | 19 | 46 | 1,0 | 0,7 | 0,4 | | |
| | ALM | E | 19 | 45 | 54, | I | 19 | 46 | 10,0 | | | | |
| | CRT | E | 19 | 46 | 03,2 | | | | | | | | |
| | EBR | E | 19 | 46 | 21, | | | | | | | | |
| | LGR | E | 19 | 46 | 50,1 | I | 19 | 47 | 54,1 | | | | |
| | MAL | F | 19 | 46 | 10,7 | E | 19 | 46 | 48,0 | | | | |
| | TOL | E | 19 | 46 | 23, | I | 19 | 46 | 55,0 | 0,3 | 0,4 | | |

SSIS 12-ABR-1977 H/M/S= 19-45-20,0
 LAT N= 36-48,0 LONG W= 00-12,0 PROF= 40. KM MAG= 4,7
 RMS= 1,2 ERH= KM ERZ= KM NES= 06 IO=

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| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-------------|---------|------|-----|----|------|---------|------------|---------|--------|------|------|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| ABR | 13 | ALM | E | 04 | 04 | 53 | I | 4 | 4 | 56,0 | | | | |
| ABR | 13 | TOL | E | 04 | 05 | 59,2 | E | 4 | 6 | 15,5 | | | | |
| ABR | 13 | EBR | E | 09 | 36 | 12 | I | 9 | 36 | 15,0 | | | | |
| | | ERR | E | 15 | 05 | 18 | E | 15 | 5 | 21,0 | | | | |
| | | ALM | E | 04 | 04 | 53 | I | 4 | 4 | 56,0 | | | | |
| ABR | 13 | TOL | E | 04 | 05 | 59,2 | E | 4 | 6 | 15,5 | | | | |
| ABR | 13 | ERR | E | 09 | 36 | 12 | I | 9 | 36 | 15,0 | | | | |
| | | ERR | E | 15 | 05 | 18 | E | 15 | 5 | 21,0 | | | | |
| | | LGR | E | 17 | 46 | 34,2 | I | 17 | 46 | 49,2 | | | | |
| ABR | 14 | ABA | I | 07 | 17 | 44,5 | | 7 | 18 | 22,5 | | | | |
| | | ALM | E | 07 | 18 | 46, | E | 7 | 20 | 2,0 | | | | |
| | | COI | E | 07 | 20 | 08, | | | | | | | | |
| | | CRT | E | 07 | 19 | 07,8 | | | | | | | | |
| | | ERR | E | 07 | 18 | 39, | | | | | | | | |
| | | OFD | I | 07 | 18 | 23, | | | | | | | | |
| | | MAL | E | 07 | 19 | 10, | | | | | | | | |
| | | MTE | E | 07 | 19 | 51,5 | | | | | | | | |
| | | SET | I | 07 | 17 | 16,5 | I | 7 | 17 | 19,0 | | | | |
| | | TAM | I | 07 | 20 | 14, | | | | | | | | |
| | | TOL | E | 07 | 19 | 15, | E | 7 | 20 | 9,5 | | | | |
| SSIS | 14-ARR-1977 | | | | | | H/M/S= | 07-17-14,6 | | | | | | |
| | LAT N= | 36-18,0 | | | | | LONG E= | 05-18,0 | PROF= | 15, KM | MAG= | 3,8 | | |
| | RMS= | 3,5 | ERM= | | | | KM ERZ= | | KM NES= | 08 | IO= | | | |
| CSEM | 14-ARR-1977 | | | | | | H/M/S= | 07-17-10,1 | | | | | | |
| | LAT N= | 36-18,0 | | | | | LONG E= | 05-36,0 | PROF= | | KM | MAG= | | |
| | RMS= | 0,4 | ERM= | 5,8 | | | KM ERZ= | | KM NES= | 42 | IO= | | | |
| NEIS | 14-ARR-1977 | | | | | | H/M/S= | 07-17-9,0 | | | | | | |
| | LAT N= | 36-18,0 | | | | | LONG E= | 05-42,0 | PROF= | 18, KM | MAG= | 4,7 | | |
| | RMS= | 1,4 | ERM= | | | | KM ERZ= | | KM NES= | 42 | IO= | | | |
| ARGELIA | | | | | | | | | | | | | | |
| ABR | 14 | ERR | | | | | I | 11 | 50 | 54,0 | | | | |
| | | ERR | | | | | E | 14 | 12 | 59,0 | | | | |
| ABR | 14 | LGR | E | 15 | 19 | 35,9 | I | 15 | 19 | 46,4 | | | | |
| | | LGR | E | 18 | 27 | 06,9 | I | 18 | 27 | 32,9 | | | | |
| ABR | 15 | CRT | I | 07 | 37 | 51,5 | | | | | | | | |
| ABR | 15 | LGR | E | 10 | 52 | 49 | I | 10 | 52 | 57,0 | | | | |
| ABR | 15 | LGR | I C | 14 | 47 | 43 | I | 14 | 47 | 58,0 | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| ABR | 15 | LGR | E | 15 | 36 | 52 | I | 15 | 37 | 12,0 | | | | |
| ABR | 15 | CRT | I | 18 | 41 | 46,7 | | | | | | | | |
| ABR | 16 | EBR | | | | | E | 9 | 16 | 26,0 | | | | |
| | | EBR | | | | | F | 14 | 36 | 46,0 | | | | |
| ABR | 17 | CRT | E | 14 | 50 | 10,5 | | | | | | | | |
| ABR | 18 | TOL | E* | 09 | 05 | 18 | I | 9 | 5 | 29,5 | | | | |
| | | TOL | E* | 13 | 19 | 52,5 | I | 13 | 19 | 56,5 | | | | |
| ABR | 18 | CRT | E | 14 | 40 | 06,3 | | | | | | | | |
| ABR | 18 | MAL | I D | 16 | 28 | 12,2 | I | 16 | 28 | 15,5 | 0,3 | 0,5 | | |
| ABR | 18 | CRT | I | 16 | 31 | 51,4 | | | | | | | | |
| ABR | 18 | CRT | E | 17 | 31 | 24,2 | | | | | | | | |
| | | MAL | E | 17 | 31 | 00 | I | 17 | 31 | 7,0 | 0,3 | 0,2 | | |
| ABR | 19 | TOL | I* | 09 | 31 | 28,2 | | | | | 0,2 | 0,9 | | |
| | | TOL | E* | 12 | 13 | 09 | E | 12 | 13 | 15,2 | 0,3 | 1,2 | | |
| ABR | 19 | MAL | I C | 14 | 02 | 48,7 | | 14 | 2 | 49,5 | | | | |
| ABR | 19 | EBR | | | | | E | 14 | 35 | 50,0 | | | | |
| ABR | 19 | CRT | E | 14 | 46 | 45,5 | | | | | | | | |
| ABR | 19 | EBR | E | 15 | 53 | 04 | I | 15 | 53 | 7,0 | | | | |
| ABR | 19 | LGR | E C | 17 | 42 | 24,1 | I | 17 | 42 | 34,1 | | | | |
| | | LGR | E | 18 | 05 | 56,1 | | | | | | | | |
| ABR | 20 | CRT | E | 04 | 57 | 36,3 | | | | | | | | |
| | | CRT | I | 07 | 56 | 33,3 | | | | | | | | |
| ABR | 20 | LGR | E | 10 | 01 | 38,1 | I | 10 | 1 | 49,6 | | | | |
| ABR | 20 | ALM | I C | 14 | 24 | 55 | I | 14 | 25 | 10,0 | | | | |
| ABR | 20 | EBR | E | 16 | 29 | 29 | E | 16 | 29 | 45,0 | | | | |
| ABR | 21 | TOL | E | 04 | 10 | 46 | | | | | | | | |
| ABR | 21 | EBR | E | 11 | 26 | 47 | E | 11 | 27 | 1,0 | | | | |
| ABR | 21 | LGR | E C | 17 | 19 | 17,5 | I | 17 | 19 | 23,5 | | | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUM |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| ABR 21 | ALM | I | 17 | 27 | 22 | I | 17 | 27 | 39,0 | | | | |
| | ALM | I | 17 | 27 | 22 | | 17 | 27 | 39,0 | | | | |
| ABR 21 | EBR | | | | | E | 18 | 15 | 31,0 | | | | |
| ABR 22 | EBR | | | | | E | 8 | 32 | 46,0 | | | | |
| ABR 22 | TOL | * | | | | E | 10 | 52 | 5,5 | | | | |
| | TOL | E* | 11 | 02 | 24 | I | 11 | 2 | 49,0 | | | | |
| ABR 22 | ERR | E | 11 | 33 | 41 | I | 11 | 33 | 53,0 | | | | |
| | ERR | | | | | E | 12 | 25 | 20,0 | | | | |
| ABR 22 | CRT | E | 12 | 38 | 00,7 | | | | | | | | |
| ABR 22 | LGR | I | 17 | 03 | 17,2 | I | 17 | 3 | 27,6 | | | | |
| ABR 22 | TOL | E* | 17 | 04 | 27 | I | 17 | 4 | 36,3 | | | | |
| ABR 23 | LGR | I | 11 | 52 | 30,9 | I | 12 | 7 | 27,9 | | | | |
| ABR 24 | ALM | E | 18 | 48 | 10,0 | E | 18 | 48 | 34,0 | | | | |
| | COI | E | 18 | 48 | 35,0 | E | 18 | 49 | 19,3 | | | | |
| | CRT | E | 18 | 47 | 58,1 | | | | | | | | |
| | MAL | I D | 18 | 47 | 43,2 | I | 18 | 47 | 51,3 | 1,5 | 0,3 | | |
| | MTE | E | 18 | 48 | 32,7 | I | 18 | 49 | 15,5 | | | | |
| | TOL | E | 18 | 48 | 18,5 | I | 18 | 48 | 41,5 | 0,2 | 0,7 | | |

SSIS 24-ABR-1977 H/M/S = 18-47-30,0
 LAT N = 36-54,0 LONG W = 05-18,0 PROF = 05. KM MAG = 4.2
 RMS = 1,7 ERH = KM ERZ = KM NES = 06 IO =

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 PROVINCIA DE CADIZ

| | | | | | | | | | | | | | |
|--------|-----|----|----|----|------|---|----|----|------|--|--|--|--|
| ABR 25 | TOL | E* | 12 | 55 | 24 | I | 12 | 55 | 27,5 | | | | |
| | TOL | E* | 14 | 05 | 22,2 | I | 14 | 5 | 24,0 | | | | |
| ABR 25 | EBR | | | | | E | 15 | 36 | 10,0 | | | | |
| ABR 25 | LGR | E | 18 | 04 | 40,9 | I | 18 | 4 | 51,4 | | | | |
| ABR 26 | LGR | I | 10 | 39 | 58 | I | 10 | 40 | 3,5 | | | | |
| ABR 26 | TOL | | | | | E | 14 | 37 | 6,0 | | | | |
| ABR 27 | EBR | | | | | E | 8 | 5 | 39,0 | | | | |
| ABR 27 | LGR | E | 10 | 04 | 15,1 | I | 10 | 4 | 24,1 | | | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|------|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| | | | | | | | | | | | | | |
| ABR 27 | EBR | | | | | E | 10 | 55 | 23,0 | | | | |
| ABR 27 | LGR | E | 18 | 14 | 53,1 | I | 18 | 15 | 3,1 | | | | |
| ABR 27 | EBR | E | 23 | 28 | 02 | | | | | | | | |
| | LGR | E | 23 | 27 | 44,1 | I | 23 | 28 | 14,1 | | | | |
| ABR 28 | EBR | | | | | E | 9 | 43 | 4,0 | | | | |
| | EBR | | | | | E | 10 | 22 | 52,0 | | | | |
| ABR 28 | TOL | E | 12 | 33 | 40 | | | | | | | | |
| ABR 28 | TOL | E* | 14 | 53 | 10,5 | | | | | | | | |
| ABR 28 | LGR | E | 16 | 26 | 32,3 | I | 16 | 26 | 47,3 | | | | |
| ABR 29 | LGR | E | 11 | 39 | 45,1 | | | | | | | | |
| ABR 29 | EBR | I | 13 | 20 | 47 | I | 13 | 20 | 51,0 | | | | |
| | EBR | | | | | | | | 14 | 18 | 59,0 | | |
| ABR 29 | LGR | I C | 17 | 47 | 41,1 | I | 17 | 47 | 48,6 | | | | |
| ABR 30 | LGR | E | 11 | 20 | 58,1 | I | 11 | 21 | 8,6 | | | | |
| ABR 30 | EBR | E | 22 | 42 | 28 | E | 22 | 43 | 14,0 | | | | |
| | LGR | E | 22 | 42 | 09,1 | I | 22 | 42 | 31,1 | | | | |
| | CRT | E | 12 | 43 | 03,4 | | | | | | | | |
| MAY 2 | EBR | | | | | E | 13 | 54 | 39,0 | | | | |
| MAY 2 | CRT | E | 14 | 44 | 21,9 | | | | | | | | |
| MAY 2 | EBR | | | | | E | 16 | 3 | 50,0 | | | | |
| MAY 2 | LGR | I C | 17 | 29 | 08,4 | I | 17 | 29 | 14,9 | | | | |
| MAY 3 | TOL | * | | | | E | 11 | 50 | 7,2 | | | | |
| | TOL | E* | 11 | 58 | 08 | E | 11 | 58 | 19,2 | | | | |
| | TOL | E* | 13 | 04 | 06 | E | 13 | 4 | 11,0 | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|------|----------------|-----|-----|-------------------|----|------|--------------|----|----|-------------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| MAY | 3 | ALI | E | 17 | 55 | 07,5 | | | | | | | | |
| | | CRT | I | 17 | 54 | 26,2 | | | | | | | | |
| | | COI | I | 17 | 55 | 17,3 | I | 17 | 56 | 3,9 | | | | |
| | | ERR | E | 17 | 55 | 30,0 | E | 17 | 56 | 29,0 | | | | |
| | | FAR | I | 17 | 54 | 54,5 | I | 17 | 55 | 23,0 | | | | |
| | | LGR | I | 17 | 55 | 34,6 | I | 17 | 56 | 39,6 | | | | |
| | | LIS | I | 17 | 55 | 11,7 | I | 17 | 55 | 56,5 | | | | |
| | | MAL | I C | 17 | 54 | 19,0 | I | 17 | 54 | 25,0 | 0,1 | 0,5 | | |
| | | MTE | I | 17 | 55 | 15,0 | I | 17 | 55 | 53,0 | | | | |
| | | PTO | | 17 | 55 | 28,0 | | 17 | 56 | 16,8 | | | | |
| | | TOL | I | 17 | 54 | 56,0 | I | 17 | 55 | 31,5 | 1,1 | 0,7 | | |
| SSIS | 03-MAY-1977 | | | H/M/S= 17-54-10,2 | | | | | | | | | | |
| | LAT N= 37- 6,0 | | | LONG W= 04-36,0 | | | PROF= 10, KM | | | MAG= 4,1 | | | | |
| | RMS= 0,2 | | | ERH= KM | | | ERZ= KM | | | NES= 08 IO= | | | | |
| NEIS | 03-MAY-1977 | | | H/M/S= 17-54- 9,7 | | | | | | | | | | |
| | LAT N= 37- 6,0 | | | LONG W= 04-18,0 | | | PROF= 33, KM | | | MAG= 4,1 | | | | |
| | RMS= 0,8 | | | ERH= KM | | | ERZ= KM | | | NES= 26 IO= | | | | |

ALAMEDA
PROVINCIA DE SEVILLA

| | | | | | | | | | | | | | | |
|-----|---|-----|-----|----|----|------|---|----|----|------|-----|-----|--|--|
| MAY | 3 | LGR | I | 18 | 04 | 58,4 | I | 18 | 5 | 6,9 | | | | |
| MAY | 4 | EBR | | | | | E | 5 | 50 | 11,0 | | | | |
| | | EBR | | | | | E | 15 | 27 | 32,0 | | | | |
| | | EBR | | | | | E | 15 | 52 | 55,0 | | | | |
| | | EBR | | | | | E | 16 | 27 | 54,0 | | | | |
| MAY | 4 | LGR | F | 16 | 31 | 34,0 | I | 16 | 31 | 51,0 | | | | |
| MAY | 4 | TOL | * | | | | I | 16 | 47 | 5,0 | | | | |
| MAY | 4 | EBR | E | 18 | 52 | 28,0 | I | 18 | 52 | 55,0 | | | | |
| MAY | 4 | LGR | E | 19 | 09 | 12,1 | I | 19 | 9 | 22,6 | | | | |
| MAY | 5 | EBR | | | | | E | 11 | 38 | 22,0 | | | | |
| MAY | 5 | TOL | E | 12 | 19 | 06,5 | | | | | | | | |
| MAY | 5 | ALM | I C | 13 | 38 | 21,0 | I | 13 | 38 | 22,0 | | | | |
| MAY | 5 | LGR | E | 16 | 33 | 25,0 | I | 16 | 33 | 40,0 | | | | |
| MAY | 6 | MAL | E | 00 | 35 | 57,5 | I | 0 | 36 | 4,5 | 0,0 | 0,4 | | |
| MAY | 6 | EHR | | | | | E | 6 | 10 | 23,0 | | | | |
| | | EHR | | | | | E | 11 | 4 | 6,0 | | | | |

| MES | DJA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|-------|----|------|-----|-------|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| | | | | ----- | | | | ----- | | | | | | |
| MAY | 6 | CRT | E | 14 | 55 | 00,6 | | | | | | | | |
| MAY | 6 | EBR | I | 15 | 02 | 21 | I | 15 | 2 | 25,5 | | | | |
| MAY | 6 | ALM | E | 15 | 05 | 46 | I | 15 | 5 | 48,0 | | | | |
| MAY | 6 | EBR | | | | | E | 15 | 47 | 0,0 | | | | |
| | | EBR | | | | | E | 15 | 52 | 21,0 | | | | |
| MAY | 6 | LGR | E | 16 | 26 | 55 | I | 16 | 27 | 5,0 | | | | |
| | | LGR | E | 18 | 06 | 11 | I | 18 | 6 | 39,0 | | | | |
| MAY | 7 | CRT | I | 09 | 01 | 18,8 | | | | | | | | |
| MAY | 9 | CRT | E | 09 | 40 | 00,4 | | | | | | | | |
| MAY | 9 | EBR | | | | | E | 14 | 43 | 45,0 | | | | |
| MAY | 9 | ALM | I D | 16 | 10 | 24 | I | 16 | 10 | 26,0 | | | | |
| MAY | 9 | EBR | | | | | E | 16 | 53 | 11,0 | | | | |
| MAY | 10 | ALM | I C | 06 | 06 | 30 | I | 6 | 6 | 32,0 | | | | |
| | | CRT | E | 06 | 06 | 39,7 | | | | | | | | |
| MAY | 10 | EBR | | | | | E | 9 | 54 | 42,0 | | | | |
| MAY | 10 | ALM | I D | 10 | 18 | 04 | I | 10 | 18 | 10,0 | | | | |
| MAY | 10 | LGR | I | 10 | 20 | 29 | I | 10 | 20 | 34,0 | | | | |
| MAY | 10 | ALM | I D | 10 | 41 | 29 | I | 10 | 41 | 30,0 | | | | |
| MAY | 10 | EBR | | | | | I | 11 | 13 | 20,0 | | | | |
| MAY | 10 | LGR | E | 12 | 29 | 38 | I | 12 | 29 | 47,2 | | | | |
| MAY | 10 | CRT | E | 12 | 41 | 30,1 | | | | | | | | |
| MAY | 10 | TOL | E* | 13 | 20 | 57 | E | 13 | 21 | 2,5 | | | | |
| MAY | 10 | EBR | E | 13 | 58 | 36 | I | 13 | 58 | 40,0 | | | | |
| MAY | 10 | CRT | E | 16 | 11 | 45 | | | | | | | | |
| MAY | 10 | EBR | | | | | E | 16 | 15 | 19,0 | | | | |
| MAY | 10 | ALM | I*D | 16 | 22 | 52 | I | 16 | 22 | 53,0 | | | | |
| MAY | 10 | LGR | E | 18 | 03 | 49 | I | 18 | 3 | 58,0 | | | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| MAY 17 | LGR | E | 17 | 00 | 27 | I | 17 | 0 | 37,0 | | | | |
| | LGR | E | 17 | 26 | 39 | I | 17 | 26 | 54,0 | | | | |
| MAY 18 | MAL | E | 03 | 23 | 24 | | | | | | | | |
| MAY 18 | TOL | E* | 10 | 46 | 32 | E | 10 | 46 | 40,5 | | | | |
| MAY 18 | CRT | E | 10 | 57 | 25,2 | | | | | | | | |
| MAY 18 | MAL | I D | 13 | 59 | 22,7 | I | 13 | 59 | 23,7 | 0,4 | 0,5 | | |
| MAY 18 | TOL | E | 14 | 10 | 10 | E | 14 | 10 | 12,2 | | | | |
| MAY 18 | CRT | E | 14 | 43 | 58 | | | | | | | | |
| MAY 19 | CRT | E | 12 | 57 | 41 | | | | | | | | |
| MAY 19 | TOL | * | | | | E | 14 | 45 | 53,0 | | | | |
| | TOL | * | | | | E | 16 | 15 | 38,0 | | | | |
| MAY 20 | EBR | | | | | E | 6 | 38 | 48,0 | | | | |
| MAY 20 | TOL | | 10 | 37 | 55 | I | 10 | 38 | 3,0 | 0,2 | 0,8 | | |
| MAY 20 | CRT | E | 15 | 59 | 24,8 | | | | | | | | |
| MAY 21 | EBP | | | | | E | 10 | 34 | 35,0 | | | | |
| MAY 21 | MAL | I C | 11 | 48 | 17,6 | I | 11 | 48 | 18,8 | 0,5 | 0,3 | | |
| MAY 23 | ERR | C | | | | E | 11 | 3 | 44,0 | | | | |
| MAY 23 | TOL | E* | 13 | 43 | 43 | E | 13 | 43 | 46,0 | | | | |
| | TOL | E* | 14 | 05 | 29 | E | 14 | 5 | 34,5 | | | | |
| MAY 23 | ERR | | | | | E | 15 | 35 | 56,0 | | | | |
| MAY 23 | LGR | E | 17 | 00 | 39 | I | 17 | 0 | 47,0 | | | | |
| MAY 24 | CRT | E | 06 | 19 | 17,1 | | | | | | | | |
| MAY 24 | EBR | | | | | E | 6 | 47 | 1,0 | | | | |
| MAY 24 | CRT | E | 10 | 52 | 16,2 | | | | | | | | |
| MAY 24 | TOL | E | 12 | 16 | 25 | | | | | | | | |
| MAY 24 | ERR | E | 14 | 52 | 23 | I | 14 | 52 | 25,0 | | | | |
| | ERR | | | | | E | 19 | 41 | 56,0 | | | | |
| MAY 25 | ALM | I C | 08 | 23 | 11 | I | 8 | 23 | 12,0 | | | | |

| MES | DTA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| MAY | 25 | CRT | F | 10 | 15 | 59,5 | | | | | | | | |
| MAY | 25 | ERR | F | 14 | 00 | 02 | E | 14 | 0 | 14,0 | | | | |
| MAY | 25 | ALM | I C | 15 | 15 | 11 | I | 15 | 15 | 12,0 | | | | |
| MAY | 25 | ERR | | | | | E | 18 | 30 | 38,0 | | | | |
| MAY | 26 | EHR | | | | | I | 6 | 29 | 7,0 | | | | |
| | | ERR | | | | | E | 11 | 34 | 35,0 | | | | |
| MAY | 26 | CRT | F | 14 | 16 | 28,1 | | | | | | | | |
| MAY | 26 | LGR | E | 15 | 34 | 25 | I | 15 | 34 | 32,0 | | | | |
| MAY | 26 | ALM | I | 16 | 19 | 59 | I | 16 | 20 | 1,0 | | | | |
| MAY | 26 | CRT | E | 18 | 23 | 07,4 | I | 18 | 23 | 14,2 | | | | |
| MAY | 27 | MAL | I D | 05 | 48 | 38 | I | 5 | 48 | 44,2 | 0,1 | 0,4 | | |
| MAY | 27 | ERR | | | | | | 7 | 19 | 23,0 | | | | |
| MAY | 27 | TOL | E* | 10 | 16 | 21,5 | E | 10 | 16 | 25,0 | | | | |
| MAY | 27 | CRT | E | 10 | 21 | 16,5 | I | 10 | 21 | 19,0 | | | | |
| MAY | 27 | TOL | E* | 10 | 36 | 37 | E | 10 | 36 | 39,0 | | | | |
| MAY | 27 | ALM | I | 11 | 50 | 40 | I | 11 | 50 | 46,0 | | | | |
| | | CRT | E | 11 | 50 | 44,6 | I | 11 | 50 | 50,9 | | | | |
| | | MAL | E | 11 | 50 | 54 | | | | | | | | |

SSIS 27-MAY-1977 H/M/S= 11-50-31,0
 LAT N= 36-36,0 LONG W= 03-0,0 PROF= 33. KM MAG= 0,1
 RMS= ERM= KM ER7= KM NES= 03 IO=

MAR DE ALBORAN

| | | | | | | | | | | | | | |
|-----|----|-----|----|----|----|------|---|----|----|------|--|--|--|
| MAY | 27 | TOL | E* | 11 | 51 | 33 | I | 11 | 52 | 17,0 | | | |
| MAY | 27 | ALM | E | 11 | 59 | 05, | I | 12 | 0 | 11,0 | | | |
| | | CRT | E | 11 | 59 | 11,6 | I | 11 | 59 | 17,4 | | | |
| MAY | 27 | LGR | I | 12 | 08 | 55 | I | 12 | 9 | 2,0 | | | |
| MAY | 27 | TOL | E* | 12 | 09 | 25 | E | 12 | 9 | 28,0 | | | |
| | | TOL | E* | 13 | 19 | 57 | I | 13 | 20 | 3,0 | | | |
| MAY | 27 | CRT | E | 14 | 08 | 17,7 | | | | | | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| MAY 28 | ALM | E | 08 | 00 | 19 | E | 8 | 0 | 29.0 | | | | |
| | CRT | E | 08 | 00 | 22.5 | I | 8 | 0 | 40.5 | | | | |
| MAY 28 | TOL | E* | 08 | 02 | 44 | E | 8 | 3 | 1.0 | | | | |
| | TOL | E* | 12 | 28 | 42 | I | 12 | 29 | 5.0 | | | | |
| MAY 29 | ALM | I D | 03 | 06 | 51 | E | 3 | 7 | 5.0 | | | | |
| MAY 29 | CRT | E | 10 | 30 | 42.7 | I | 10 | 30 | 47.7 | | | | |
| MAY 29 | ALI | E | 23 | 04 | 49.7 | | | | | | | | |
| | ALM | I C | 23 | 04 | 12. | I | 23 | 4 | 19.0 | | | | |
| | CRT | I | 23 | 04 | 17.2 | I | 23 | 4 | 20.2 | | | | |
| | LGR | E | 23 | 05 | 38. | I | 23 | 6 | 43.0 | | | | |
| | MAL | I C | 23 | 04 | 21. | I | 23 | 4 | 34.5 | 0.6 | 0.3 | | |
| | TOL | E | 23 | 04 | 50.2 | E | 23 | 5 | 37.2 | 0.2 | 0.8 | | |

SSIS 29-MAY-1977 H/M/S= 23-03-55.9
 LAT N= 36- 0.0 LONG W= 02-48.0 PROF= 35. KM MAG= 4.3
 RMS= 1.0 ERH= KM ERZ= KM NES= 05 IO=

MAR DE ALBORAN

| | | | | | | | | | | | | |
|--------|-----|-----|----|----|------|---|----|----|------|-----|-----|--|
| MAY 30 | CRT | E | 05 | 53 | 39.3 | | | | | | | |
| | MAL | E | 05 | 53 | 45 | I | 5 | 53 | 46.6 | 0.3 | 0.2 | |
| MAY 30 | EBR | E | 11 | 04 | 00 | I | 11 | 4 | 20.0 | | | |
| | LGR | E | 11 | 04 | 07 | I | 11 | 4 | 29.0 | | | |
| MAY 30 | ERR | I | 14 | 36 | 54 | I | 14 | 37 | 15.0 | | | |
| | LGR | I | 14 | 37 | 15 | I | 14 | 37 | 41.0 | | | |
| MAY 30 | ERR | | | | | E | 16 | 22 | 55.0 | | | |
| MAY 31 | MAL | I C | 13 | 55 | 39 | I | 13 | 55 | 40.0 | 0.2 | 0.5 | |
| MAY 31 | ERR | | | | | E | 14 | 17 | 13.0 | | | |
| | EBR | | | | | E | 16 | 19 | 40.0 | | | |
| | EBR | | | | | F | 18 | 36 | 17.0 | | | |
| JUN 1 | ERR | | | | | E | 10 | 5 | 36.0 | | | |
| JUN 1 | TOL | E | 14 | 06 | 45 | I | 14 | 6 | 52.0 | | | |
| JUN 2 | ERR | | | | | E | 13 | 37 | 15.0 | | | |
| JUN 2 | ALM | I | 06 | 45 | 05 | I | 6 | 45 | 14.0 | | | |
| | MAL | E | 06 | 45 | 20 | E | 6 | 45 | 30.0 | | | |

BOLETIN DE SISMOS PROXIMOS

27

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| JUN | 2 | TOL | E | 11 | 35 | 15 | | | | | | | | |
| | | TOL | E | 14 | 18 | 35 | E | 14 | 18 | 49,0 | | | | |
| JUN | 2 | EBR | | | | | E | 14 | 39 | 2,0 | | | | |
| | | EBR | | | | | E | 15 | 35 | 42,0 | | | | |
| JUN | 2 | TOL | E | 19 | 25 | 47,5 | | | | | | | | |
| JUN | 3 | EBR | E | | | | E | 9 | 39 | 27,0 | | | | |
| JUN | 3 | TOL | E | 09 | 57 | 35,5 | E | 9 | 57 | 36,0 | | | | |
| | | TOL | E | 10 | 48 | 46 | I | 10 | 48 | 50,0 | | | | |
| JUN | 3 | EBR | | | | | E | 11 | 31 | 58,0 | | | | |
| JUN | 3 | CRT | E | 12 | 51 | 23,7 | | | | | | | | |
| JUN | 4 | CRT | I | 12 | 56 | 31,0 | | | | | | | | |
| JUN | 5 | TOL | E | 06 | 56 | 25 | | | | | | | | |
| JUN | 5 | TOL | E* | 07 | 56 | 30 | | | | | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| JUN | 06 | ALG | | 10 | 50 | 10,5 | | | | | | | | |
| | | ALI | I | 10 | 49 | 34,5 | I | 10 | 49 | 51,0 | 6,5 | 0,6 | | |
| | | ALM | E | 10 | 49 | 30 | E | 10 | 49 | 46,0 | | | | |
| | | BME | | 10 | 51 | 07,0 | | | | | | | | |
| | | CAB | I | 10 | 49 | 13,4 | | | | | | | | |
| | | CAR | I | 10 | 49 | 15,6 | | | | | | | | |
| | | COI | I C | 10 | 50 | 37 | I | 10 | 51 | 40,1 | | | | |
| | | CRT | I | 10 | 49 | 39,3 | E | 10 | 50 | 0,7 | | | | |
| | | FBR | I | 10 | 50 | 07 | I | 10 | 51 | 9,0 | | | | |
| | | FRR | | 10 | 50 | 22,9 | | | | | | | | |
| | | FLN | | 10 | 51 | 50,3 | | | | | | | | |
| | | GAL | I | 10 | 49 | 12,2 | | | | | | | | |
| | | GRR | | 10 | 51 | 45,0 | | | | | | | | |
| | | HAD | D | 10 | 50 | 41,0 | | | | | | | | |
| | | IFR | | 10 | 50 | 24,9 | | | | | | | | |
| | | LHF | | 10 | 51 | 39,5 | | | | | | | | |
| | | LIS | I D | 10 | 50 | 40,7 | I | 10 | 51 | 44,7 | | | | |
| | | LGR | I C | 10 | 50 | 27,2 | I | 10 | 51 | 20,7 | | | | |
| | | LRG | | 10 | 51 | 16,1 | | | | | | | | |
| | | LFF | | 10 | 51 | 01,3 | | | | | | | | |
| | | LSF | | 10 | 51 | 21,3 | | | | | | | | |
| | | LPF | | 10 | 51 | 40,0 | | | | | | | | |
| | | MAL | E | 10 | 49 | 50 | I | 10 | 50 | 23,0 | 2,3 | 0,4 | | |
| | | MTE | I | 10 | 50 | 30,3 | | 10 | 51 | 30,0 | | | | |
| | | HFF | | 10 | 51 | 21,8 | | | | | | | | |
| | | MON | I | 10 | 49 | 15,6 | | | | | | | | |
| | | NKM | | 10 | 50 | 08,6 | | | | | | | | |
| | | PTO | I C | 10 | 50 | 43,4 | E | 10 | 51 | 52,4 | | | | |
| | | QUI | I | 10 | 49 | 14,6 | | | | | | | | |
| | | SSC | | 10 | 51 | 48,7 | | | | | | | | |
| | | SSF | | 10 | 51 | 39,2 | | | | | | | | |
| | | TCF | | 10 | 51 | 22,8 | | | | | | | | |
| | | TLE | I | 10 | 49 | 55,5 | | | | | | | | |
| | | TIO | C | 10 | 51 | 08,7 | | | | | | | | |
| | | TOL | I D | 10 | 49 | 56,4 | I | 10 | 50 | 41,0 | | | | |

SSIS 06-JUN-1977 H/M/S= 10-49-9,5
 LAT N= 37-42,0 LONG W= 01-48,0 PROF= 10. KM MAG= 4,2
 RMS= 1,2 ERH= KM ERZ= KM NES= 33 IO= VI

CSEM 06-JUN-1977 H/M/S= 10-49-12,3
 LAT N= 37-36,0 LONG W= 01-54,0 PROF= KM MAG= 4,1
 RMS= 0,3 ERH= 5,8 KM ERZ= KM NES= 44 IO=

NEIS 06-JUN-1977 H/M/S= 10-49-12,7
 LAT N= 37-42,0 LONG W= 01-48,0 PROF= 33. KM MAG= 4,2
 RMS= 1,1 ERH= KM ERZ= KM NES= 32 IO=

PSIS 06-JUN-1977 H/M/S= 10-49-11,1
 LAT N= 37-38,0 LONG W= 01-48,0 PROF= 5. KM MAG=
 RMS= 01. ERH= 21. KM ERZ= 39. KM NES= IO= VI

LORCA
 PROVINCIA DE MURCIA
 PSIS (DETERMINACION CON RED PORTATIL DE SISMOGRAFOS)

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

EN LA PROVINCIA DE MURCIA FUE SENTIDO EN : MAZARRON III-IV, ALEDO IV, ALRUDEITE II, BLANCA II, MULA III, CAMPOS DEL RIO III-IV, RICOTE II-III, CREVILLENTE II, CEUTI II, ALMENDRICOS V-VI, PUERTO LUMBRERAS VI, LIBRILLA III, MURCIA III, PLIEGO III, ZARCILLA DE TOTANA VI, TOTANA IV, ZARCILLA DE RAMOS V, PALAS II-V, TERREVAS III-IV, LA UNION II-III, EL COCON II, CARAVACA III, BULLAS III, CEHEGIN III-IV.

EN LA PROVINCIA DE ALMERIA FUE SENTIDO EN : ALBOX IV, MARIA III-IV, CANTORIA II, VELEZ RUBIO III, PULPI IV, HUERCAL-OVERA II, TOPARES III-IV, VELEZ-BLANCO III, CARBONERAS II, CUEVAS DE ALMANZORA II-III, AREJUEKA II, LA MATA DE BOLAINI III, TORREALVILLA V.

EN LA PROVINCIA DE GRANADA : ORCE II.

EN LA PROVINCIA DE ALICANTE : ALBATERA II-III.

JUN 6 TOL E 12 04 55

JUN 6 ALI E 16 01 24.

ALM I C 16 01 19. I 16 1 34.0

CRT I 16 01 32.5 I 16 1 54.9

MAL E 16 01 42.3 J 16 2 16.0 0.2 0.3

ROL E 16 01 55.5 E 16 2 25.5

SSIS 06-JUN-1977 H/M/S= 16-00-56.0

LAT N= 37-36.0 LONG W= 01-48.0 PROF= 33. KM MAG= 4.4

RMS= ERH= KM ERZ= KM NES= 05 IO=

LORCA

PROVINCIA DE MURCIA

REPLICA DEL SISMO DEL DIA 6 JUNIO 1977 A LAS 10H49M12.3S

JUN 6 LGR E 16 38 41.2 I 16 38 49.7

JUN 6 TOL E 16 57 00 I 16 57 54.0

JUN 6 ALM E 17 39 33 E 17 40 2.0

ALM I 21 39 48 I 21 39 50.0

JUN 7 ALI E 07 55 08 E 7 55 25.0

ALM I D 07 55 02 I 7 55 17.0

CRT I 07 55 13 I 7 55 35.0

TOL E 07 56 36.5 I 7 57 14.0

SSIS 07-JUN-1977 H/M/S= 07-50-40.0

LAT N= 37-42.0 LONG W= 01-48.0 PROF= 33. KM MAG=

RMS= ERH= KM ERZ= KM NES= IO=

LORCA

PROVINCIA DE MURCIA

REPLICA DEL SISMO DEL DIA 6 JUNIO 1977 A LAS 10H49M12.3S

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| JUN | 11 | ERR | | | | | E | 11 | 36 | 14,0 | | | | |
| JUN | 13 | TOL | E* | 11 | 28 | 50,5 | I | 11 | 29 | 1,5 | | | | |
| JUN | 14 | MAL | E | 04 | 50 | 22 | I | 4 | 50 | 43,6 | 0,3 | 0,3 | | |
| JUN | 14 | CRT | E | 06 | 28 | 20,6 | | | | | | | | |
| JUN | 14 | TOL | E* | 08 | 57 | 08 | | | | | | | | |
| JUN | 14 | CRT | E | 09 | 28 | 08,1 | | | | | | | | |
| | | CRT | E | 12 | 57 | 56 | | | | | | | | |
| JUN | 14 | ERR | | | | | E | 14 | 10 | 56,0 | | | | |
| JUN | 14 | MAL | I C | 14 | 50 | 50,5 | I | 14 | 50 | 51,5 | 0,3 | 0,3 | | |
| JUN | 14 | LGR | E | 15 | 05 | 56,7 | I | 15 | 6 | 16,7 | | | | |
| JUN | 14 | MAL | I C | 15 | 11 | 58 | I | 15 | 11 | 59,5 | 0,5 | 0,3 | | |
| JUN | 14 | ERR | | | | | E | 15 | 47 | 46,0 | | | | |
| JUN | 15 | CRT | E | 06 | 31 | 54,7 | | | | | | | | |
| | | CRT | E | 10 | 25 | 52,6 | | | | | | | | |
| | | CRT | E | 10 | 45 | 59,1 | | | | | | | | |
| JUN | 15 | MAL | E | 14 | 30 | 21 | E | 14 | 30 | 42,0 | | | | |
| | | TOL | E | 14 | 30 | 14 | I | 14 | 30 | 43,0 | | | | |
| JUN | 15 | ALI | E | 19 | 08 | 28 | I | 19 | 8 | 30,7 | 0,7 | 0,3 | | |
| JUN | 16 | ALI | E | 01 | 37 | 26,3 | I | 1 | 37 | 29,0 | 2,5 | 0,3 | | |
| JUN | 16 | ALM | I C | 04 | 08 | 44 | I | 4 | 8 | 48,0 | | | | |
| | | EBR | | | | | E | 10 | 46 | 39,0 | | | | |
| | | ERR | | | | | E | 14 | 24 | 9,0 | | | | |
| | | FRR | | | | | E | 15 | 40 | 3,0 | | | | |
| JUN | 17 | MAL | E | 02 | 52 | 49 | E | 2 | 52 | 59,0 | | | | |
| | | MAL | F | 02 | 55 | 36 | E | 2 | 55 | 45,0 | | | | |
| JUN | 17 | LGR | E | 13 | 03 | 01,8 | I | 13 | 3 | 11,8 | | | | |
| JUN | 17 | TOL | I* | 13 | 20 | 12 | I | 13 | 20 | 17,0 | | | | |
| JUN | 17 | ALM | I D | 14 | 47 | 17 | I | 14 | 47 | 20,0 | | | | |
| JUN | 17 | ERR | | | | | E | 15 | 2 | 8,0 | | | | |
| JUN | 17 | ALM | I D | 15 | 19 | 26,6 | I | 15 | 23 | 27,0 | | | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| JUN 17 | EBR | I | 15 | 50 | 39 | I | 15 | 50 | 41.0 | | | | |
| JUN 17 | ALM | I D | 16 | 27 | 58 | I | 16 | 27 | 59.0 | | | | |
| JUN 17 | LGR | E | 18 | 15 | 36.3 | I | 18 | 15 | 44.7 | | | | |
| JUN 18 | EBR | E | 09 | 11 | 58 | I | 9 | 12 | 3.0 | | | | |
| JUN 18 | LGR | E | 09 | 25 | 56.4 | I | 9 | 26 | 2.9 | | | | |
| JUN 18 | MAL | E | 18 | 38 | 44 | E | 18 | 38 | 55.0 | | | | |
| | TOL | E | 19 | 39 | 40 | I | 19 | 40 | 3.0 | | | | |
| JUN 20 | TOL | * | 11 | 08 | 07 | E | 11 | 8 | 29.0 | | | | |
| JUN 20 | EBR | E | 01 | 47 | 48 | I | 1 | 48 | 6.0 | | | | |
| | EBR | | | | | E | 8 | 15 | 29.0 | | | | |
| JUN 20 | LGR | | 10 | 47 | 43.9 | I | 10 | 47 | 51.7 | | | | |
| JUN 20 | EBR | | | | | E | 11 | 35 | 27.0 | | | | |
| | EBR | | | | | E | 12 | 32 | 22.0 | | | | |
| | EBR | | | | | E | 13 | 17 | 17.0 | | | | |
| | EBR | | | | | E | 13 | 23 | 16.0 | | | | |
| | EBR | | | | | E | 13 | 26 | 23.0 | | | | |
| | EBR | | | | | E | 13 | 29 | 1.0 | | | | |
| | EBR | | | | | E | 13 | 37 | 0.0 | | | | |
| | EBR | | | | | E | 13 | 44 | 20.0 | | | | |
| JUN 20 | MAL | I C | 15 | 00 | 28 | I | 15 | 0 | 52.5 | 0.3 | 0.3 | | |
| JUN 20 | TOL | E | 15 | 01 | 36.5 | E | 15 | 1 | 43.0 | | | | |
| JUN 20 | EBR | | | | | E | 16 | 7 | 9.0 | | | | |
| | EBR | | | | | E | 16 | 19 | 24.0 | | | | |
| | EBR | | | | | I | 16 | 55 | 24.0 | | | | |
| JUN 20 | TOL | E | | | | E | 16 | 56 | 24.0 | | | | |
| JUN 20 | EBR | | | | | E | 17 | 26 | 59.0 | | | | |
| | EBR | | | | | E | 17 | 26 | 59.0 | | | | |
| JUN 21 | MAL | I C | 06 | 42 | 49.5 | I | 6 | 42 | 55.8 | 0.6 | 0.3 | | |
| JUN 21 | ALI | E | 08 | 00 | 16 | | 8 | 0 | 33.0 | 0.3 | 0.3 | | |
| | EBR | E | 08 | 00 | 48 | | | | | | | | |
| | TOL | E | 08 | 00 | 50 | E | 8 | 1 | 18.0 | | | | |
| JUN 21 | ALM | I C | 10 | 37 | 46 | I | 10 | 37 | 47.0 | | | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DIR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| JUN 21 | EBR | | | | | E | 11 | 34 | 43,0 | | | | |
| | EBR | | | | | E | 12 | 0 | 0,0 | | | | |
| JUN 21 | LGR | E | 13 | 31 | 46,9 | E | 13 | 31 | 53,6 | | | | |
| | LGR | E | 14 | 14 | 42,9 | E | 14 | 14 | 50,9 | | | | |
| | LGR | E | 16 | 46 | 08 | E | 16 | 46 | 14,5 | | | | |
| JUN 21 | ALM | I | 17 | 17 | 09 | I | 17 | 17 | 14,0 | | | | |
| | ALM | I D | 17 | 50 | 00 | I | 17 | 50 | 6,0 | | | | |
| JUN 22 | LGR | E | 14 | 59 | 46 | I | 15 | 0 | 1,0 | | | | |
| JUN 22 | ALM | I D | 15 | 33 | 24 | I | 15 | 33 | 25,0 | | | | |
| JUN 22 | LGR | E | 16 | 34 | 38,7 | I | 16 | 34 | 53,7 | | | | |
| JUN 23 | LGR | E | 09 | 18 | 12,9 | I | 9 | 18 | 24,9 | | | | |
| JUN 23 | EBR | | | | | | 11 | 0 | 17,0 | | | | |
| JUN 23 | TOL | E | 12 | 45 | 13 | I | 12 | 45 | 18,0 | | | | |
| JUN 23 | CRT | E | 14 | 03 | 55,5 | I | 14 | 4 | 4,5 | | | | |
| JUN 23 | LGR | E | 16 | 28 | 14 | I | 16 | 28 | 56,0 | | | | |
| JUN 23 | FRR | | | | | | 15 | 11 | 37,0 | | | | |
| | EBR | E | 08 | 24 | 31 | E | 8 | 24 | 45,0 | | | | |
| JUN 24 | EBR | E | 10 | 06 | 23 | E | 10 | 6 | 40,0 | | | | |
| JUN 24 | LGR | E | 10 | 56 | 56,9 | I | 10 | 57 | 11,9 | | | | |
| JUN 24 | EBR | E | 11 | 46 | 40 | E | 11 | 46 | 54,0 | | | | |
| JUN 24 | EBR | E | 12 | 21 | 14 | E | 12 | 21 | 27,0 | | | | |
| JUN 24 | ALM | I*D | 14 | 09 | 47 | | | | | | | | |
| | ALM | I*D | 19 | 52 | 53 | | | | | | | | |
| JUN 25 | TOL | E | 09 | 21 | 43 | E | 9 | 21 | 56,0 | | | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA=CDR | DUR |
|---------|-----|-----|----|----|------|-----|---|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| JUN 26 | ALI | E | 01 | 31 | 55. | I | 1 | 32 | 10.0 | | | | |
| | ALM | E D | 01 | 31 | 55. | I | 1 | 32 | 12.0 | | | | |
| | CRT | I | 01 | 32 | 08.6 | I | 1 | 32 | 33.6 | | | | |
| | LGR | E | 01 | 33 | 07. | I | 1 | 33 | 54.0 | | | | |
| | MAL | E | 01 | 32 | 20. | E | 1 | 33 | 0.2 | | | | |
| | TOL | E | 01 | 32 | 27. | E | 1 | 33 | 8.0 | | | | |

SSIS 26-JUN-1977 H/M/S= 01-31-32.0
 LAT N= 37-18.0 LONG W= 00-42.0 PROF= 40. KM MAG= 3.7
 RMS= 0.9 ERH= KM ERZ= KM NES= 05 IO=

MAR MEDITERRANEO

| | | | | | | | | | | | | |
|--------|-----|-----|----|----|------|---|----|----|------|--|--|--|
| JUN 26 | MAL | E | 17 | 03 | 09.5 | E | 17 | 3 | 25.5 | | | |
| JUN 27 | CRT | E | 06 | 39 | 59 | | | | | | | |
| JUN 27 | TOL | E | 12 | 27 | 52 | E | 12 | 27 | 56.0 | | | |
| | TOL | E | 12 | 53 | 00 | E | 12 | 53 | 8.0 | | | |
| | TOL | E | 15 | 10 | 53 | E | 15 | 11 | 20.0 | | | |
| JUN 27 | EBR | E | 16 | 13 | 56 | E | 16 | 13 | 59.0 | | | |
| JUN 27 | TOL | | | | | E | 16 | 37 | 11.0 | | | |
| JUN 27 | LGR | E | 17 | 16 | 26 | I | 17 | 16 | 54.0 | | | |
| JUN 27 | CRT | E | 17 | 22 | 00 | | | | | | | |
| JUN 27 | TOL | E | 18 | 28 | 14 | E | 18 | 28 | 21.0 | | | |
| | TOL | E | 19 | 01 | 48 | E | 19 | 2 | 15.0 | | | |
| JUN 28 | ALM | I C | 07 | 15 | 53 | I | 7 | 16 | 11.0 | | | |
| JUN 28 | EBR | | 09 | 32 | 14 | | | | | | | |
| | EBR | | | | | E | 10 | 53 | 16.0 | | | |
| | EBR | | | | | E | 11 | 35 | 59.0 | | | |
| JUN 29 | EBR | | | | | E | 14 | 31 | 35.0 | | | |
| | EBR | | | | | E | 14 | 46 | 59.0 | | | |
| | EBR | I | 15 | 29 | 54 | I | 15 | 29 | 57.0 | | | |
| | EBR | E | 16 | 01 | 25 | I | 16 | 1 | 28.0 | | | |
| | EBR | E | 18 | 07 | 32 | I | 18 | 7 | 55.0 | | | |
| | EBR | | | | | E | 21 | 23 | 12.0 | | | |
| | EBR | | | | | E | 11 | 37 | 35.0 | | | |
| JUN 30 | EBR | E | 13 | 51 | 03 | I | 13 | 51 | 7.0 | | | |
| JUN 30 | LGR | E | 14 | 15 | 27.1 | I | 14 | 15 | 44.1 | | | |

BOLETIN DE SISMOS PROXIMOS

35

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA=COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| JUN 30 | ERR | E | 15 | 21 | 23 | I | 15 | 21 | 25,0 | | | | |
| JUN 30 | CRT | E | 16 | 22 | 04,1 | E | 16 | 22 | 13,1 | | | | |
| JUN 30 | LGR | E | 19 | 31 | 25,2 | I | 19 | 32 | 6,2 | | | | |
| JUL 1 | ERR | | | | | E | 11 | 56 | 15,0 | | | | |
| JUL 1 | TOL | E* | 12 | 11 | 45,5 | I | 12 | 11 | 49,0 | | | | |
| JUL 1 | TOL | E* | 12 | 26 | 41,5 | I | 12 | 26 | 48,0 | | | | |
| JUL 1 | ALM | I | 14 | 03 | 42 | I | 14 | 3 | 44,0 | | | | |
| JUL 1 | ERR | | | | | E | 14 | 36 | 8,0 | | | | |
| JUL 1 | ERR | | | | | | 17 | 5 | 34,0 | | | | |
| JUL 1 | ERR | | | | | | 17 | 6 | 18,0 | | | | |
| JUL 1 | ALI | I C | 17 | 43 | 01,5 | I | 17 | 43 | 3,8 | 3,4 | 0,3 | | |
| JUL 2 | CRT | E | 00 | 27 | 46,4 | | | | | | | | |
| JUL 2 | MAL | E | 06 | 45 | 20 | E | 6 | 45 | 30,0 | | | | |
| JUL 2 | LGR | E | 11 | 44 | 3699 | I | 12 | 45 | 43,6 | | | | |
| JUL 2 | CRT | E | 20 | 44 | 13,8 | | | | | | | | |
| JUL 2 | CRT | E | 09 | 40 | 12,4 | | | | | | | | |
| JUL 4 | TOL | E | 12 | 45 | 43 | E | 12 | 45 | 53,0 | | | | |
| JUL 4 | CRT | E | 22 | 46 | 51,1 | I | 22 | 46 | 53,6 | | | | |
| JUL 5 | TOL | E* | 12 | 16 | 14 | I | 12 | 16 | 35,0 | | | | |
| JUL 5 | ERR | | | | | E | 13 | 34 | 51,0 | | | | |
| JUL 5 | LGR | E | 13 | 34 | 22,2 | I | 13 | 34 | 46,1 | | | | |
| JUL 5 | ALM | I O | 13 | 41 | 03 | I | 13 | 41 | 12,0 | | | | |
| JUL 5 | CRT | E | 13 | 41 | 11,8 | I | 13 | 41 | 29,8 | | | | |
| JUL 5 | MAL | E | 13 | 41 | 26 | E | 13 | 41 | 59,0 | | | | |
| JUL 5 | TOL | E | 13 | 41 | 36 | I | 13 | 42 | 13,0 | | | | |

SSIS 05-JUL-1977 H/M/S= 13-40-43,0
 LAT N= 37-42,0 LONG W= 01-42,0 PROF= 33. KM MAG= 0,3
 RMS= ERH= KM ERZ= KM NES= 04 IO=

LORCA
 PROVINCIA DE MURCIA
 REPLICA DEL SISMO DEL DIA 6 JUNIO 1977 A LAS 10H49M12,3S

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| JUL 5 | ERR | | | | | E | 15 | 20 | 32,0 | | | | |
| | LGR | E | 15 | 18 | 47,1 | I | 15 | 19 | 11,6 | | | | |
| JUL 5 | EBR | | | | | E | 17 | 50 | 51,0 | | | | |
| JUL 6 | TOL | E* | 09 | 33 | 50,5 | I | 9 | 34 | 6,0 | | | | |
| JUL 6 | ALM | I C | 10 | 56 | 53 | I | 10 | 56 | 54,0 | | | | |
| JUL 6 | TOL | E* | 12 | 13 | 50 | I | 12 | 13 | 54,0 | | | | |
| JUL 6 | ALM | I D | 13 | 22 | 15 | I | 13 | 22 | 16,0 | | | | |
| JUL 6 | EBR | | | | | E | 19 | 37 | 51,0 | | | | |
| JUL 7 | LGR | E | 08 | 44 | 49,7 | I | 8 | 44 | 55,5 | | | | |
| JUL 7 | ERR | | | | | E | 9 | 57 | 12,0 | | | | |
| JUL 7 | LGR | E | 11 | 22 | 14 | I | 11 | 22 | 20,0 | | | | |
| JUL 7 | EBR | E | 12 | 10 | 44,5 | E | 12 | 10 | 59,0 | | | | |
| JUL 7 | CRT | I | 15 | 36 | 52,2 | I | 15 | 36 | 54,7 | | | | |
| JUL 7 | ALM | I | 16 | 18 | 35 | I | 16 | 18 | 37,0 | | | | |
| JUL 8 | TOL | I* | 09 | 39 | 17,5 | I | 9 | 39 | 20,5 | | | | |
| JUL 9 | LGR | E | 10 | 54 | 14,3 | I | 10 | 54 | 23,3 | | | | |
| JUL 11 | EBR | | | | | E | 11 | 41 | 15,0 | | | | |
| JUL 11 | CRT | E | 12 | 36 | 53,4 | E | 12 | 37 | 3,4 | | | | |
| JUL 11 | TOL | E | 16 | 14 | 53 | I | 16 | 15 | 22,5 | | | | |
| JUL 11 | LGR | E | 16 | 37 | 49 | I | 16 | 38 | 4,0 | | | | |
| JUL 11 | EBR | | | | | E | 19 | 52 | 29,0 | | | | |
| JUL 11 | CRT | I | 18 | 51 | 39,9 | I | 18 | 51 | 46,4 | | | | |
| JUL 11 | ALM | I C | 20 | 44 | 16,5 | I | 20 | 44 | 25,8 | | | | |
| | CRT | I | 20 | 44 | 13,8 | I | 20 | 44 | 27,8 | | | | |
| | MAL | I D | 20 | 44 | 28 | I | 20 | 44 | 52,0 | 0,5 | 0,3 | | |
| JUL 12 | LGR | E | 08 | 58 | 17,2 | I | 8 | 58 | 37,2 | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| JUL | 19 | LGR | I D | 16 | 30 | 25,1 | I | 16 | 31 | 16,1 | | | | |
| | | MAL | E | 16 | 31 | 51,0 | E | 16 | 32 | 28,0 | | | | |
| | | TOL | E | 16 | 30 | 09,0 | I | 16 | 30 | 49,0 | | | | |
| JUL | 19 | LGR | E | 17 | 33 | 19 | I | 17 | 33 | 23,0 | | | | |
| JUL | 20 | EBR | | | | | E | 8 | 57 | 15,0 | | | | |
| | | EBR | | | | | E | 11 | 42 | 16,0 | | | | |
| | | ERR | | | | | E | 12 | 3 | 34,0 | | | | |
| JUL | 20 | CRT | I | 12 | 51 | 22,3 | | | | | | | | |
| JUL | 20 | MAL | I D | 14 | 26 | 58,8 | I | 14 | 26 | 59,8 | 0,1 | 0,5 | | |
| JUL | 20 | ALM | I C | 14 | 30 | 05,7 | I | 14 | 30 | 8,4 | | | | |
| | | ALM | I C | 16 | 45 | 31,1 | | | | | | | | |
| JUL | 21 | CRT | I | 11 | 01 | 18,7 | E | 11 | 1 | 21,2 | | | | |
| JUL | 21 | LGR | E | 12 | 31 | 17 | I | 12 | 31 | 22,3 | | | | |
| JUL | 21 | CRT | I | 17 | 02 | 06,3 | I | 17 | 2 | 7,3 | | | | |
| JUL | 21 | ERR | | | | | E | 17 | 32 | 13,0 | | | | |
| | | ERR | E | 18 | 27 | 26 | I | 18 | 27 | 46,0 | | | | |
| JUL | 22 | TOL | E* | 11 | 35 | 04 | I | 11 | 35 | 7,0 | | | | |
| JUL | 22 | LGR | E | 12 | 13 | 19,1 | I | 12 | 13 | 40,1 | | | | |
| JUL | 22 | TOL | E* | 12 | 29 | 31 | I | 12 | 29 | 37,5 | | | | |
| JUL | 22 | MAL | I C | 14 | 26 | 33 | I | 14 | 26 | 34,0 | 0,6 | 0,3 | | |
| JUL | 26 | TOL | E* | 11 | 40 | 49,5 | I | 11 | 40 | 53,5 | | | | |
| JUL | 26 | LGR | E | 22 | 03 | 45,5 | I | 22 | 4 | 16,5 | | | | |
| JUL | 27 | MAL | I D | 14 | 00 | 22 | I | 14 | 0 | 25,0 | 0,5 | 0,5 | | |
| JUL | 27 | LGR | E | 15 | 42 | 58 | I | 15 | 43 | 1,0 | | | | |
| JUL | 28 | TOL | E* | 11 | 44 | 43 | E | 11 | 44 | 48,0 | | | | |
| JUL | 28 | TOL | I | 14 | 39 | 03,5 | I | 14 | 39 | 7,5 | | | | |
| JUL | 29 | ALM | I D | 14 | 40 | 20 | I | 14 | 40 | 21,2 | | | | |
| JUL | 29 | CRT | E | 14 | 44 | 03,7 | | | | | | | | |
| JUL | 30 | TOL | E | 10 | 59 | 29 | E | 10 | 59 | 58,0 | | | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| JUL 31 | TOL | E | 15 | 09 | 10,5 | E | 15 | 9 | 41,0 | | | | |
| | TOL | F | 23 | 47 | 30 | E | 23 | 48 | 13,0 | 0,0 | 0,9 | | |
| AGO 1 | LGR | E | 09 | 16 | 12,6 | I | 9 | 16 | 19,1 | | | | |
| AGO 1 | TOL | E* | 11 | 38 | 16 | I | 11 | 38 | 19,0 | | | | |
| AGO 1 | LGR | E | 14 | 28 | 59,8 | I | 14 | 29 | 6,5 | | | | |
| AGO 1 | CRT | E | 15 | 08 | 02,6 | I | 15 | 8 | 3,6 | | | | |
| AGO 2 | LGR | F | 08 | 54 | 03 | I | 8 | 54 | 7,0 | | | | |
| | LGR | E | 09 | 20 | 55,4 | I | 9 | 20 | 59,4 | | | | |
| | LGR | F | 14 | 10 | 12,7 | I | 14 | 10 | 16,7 | | | | |
| AGO 2 | TOL | F | 14 | 15 | 58,8 | E | 14 | 16 | 13,0 | | | | |
| AGO 2 | TOL | E* | 17 | 15 | 16,5 | E | 17 | 15 | 36,0 | | | | |
| AGO 3 | LGR | E | 08 | 26 | 35,1 | I | 8 | 26 | 39,1 | | | | |
| AGO 3 | TOL | E* | 12 | 23 | 40,1 | I | 12 | 23 | 44,3 | | | | |
| AGO 3 | ALM | I C | 15 | 35 | 41,5 | I | 15 | 35 | 44,6 | | | | |
| AGO 4 | TOL | E* | 15 | 21 | 38 | E | 15 | 21 | 41,0 | | | | |
| AGO 5 | ALM | D | 01 | 46 | 13,3 | I | 1 | 46 | 26,3 | | | | |
| | CRT | I | 01 | 45 | 58,4 | I | 1 | 46 | 2,9 | | | | |
| | LGR | E | 01 | 47 | 13, | I | 1 | 48 | 9,7 | | | | |
| | MAL | I D | 01 | 46 | 11, | I | 1 | 46 | 29,0 | 0,1 | 0,8 | | |
| | MTE | I | 01 | 46 | 56,5 | | 1 | 48 | 5,5 | | | | |
| | PTO | I D | 01 | 47 | 11,7 | | 1 | 48 | 7,8 | | | | |
| | TOL | E | 01 | 46 | 32,3 | I | 1 | 46 | 59,5 | 1,9 | 0,9 | | |

SSIS 05-AGO-1977 H/M/S= 01-45-52,4

LAT N= 37-24,0 LONG W= 03-48,0

RMS= 1,7 ERH=

KM ERZ=

PROP= 15, KM MAG=

KM NES= 07 ID=

ALCALA LA REAL
PROVINCIA DE GRANADA

| | | | | | | | | | | | | | |
|-------|-----|---|----|----|------|---|----|----|------|--|--|--|--|
| AGO 5 | CRT | E | 01 | 53 | 16,9 | | 1 | 53 | 21,4 | | | | |
| AGO 6 | CRT | I | 02 | 46 | 13,3 | | | | | | | | |
| AGO 6 | TOL | E | 10 | 44 | 40 | E | 10 | 45 | 7,5 | | | | |
| AGO 6 | LGR | E | 10 | 58 | 30,4 | I | 10 | 58 | 34,4 | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|----------------------|-----|-----|-----|----------------|----|------|-------------------|----|----|-------------------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| AGO | 7 | ALM | I | 22 | 17 | 53,6 | I | 22 | 18 | 25,1 | | | | |
| AGO | 8 | LGR | E | 14 | 36 | 00 | I | 14 | 36 | 12,4 | | | | |
| AGO | 8 | ALM | I C | 14 | 53 | 26 | I | 14 | 53 | 27,0 | | | | |
| AGO | 8 | LGR | I | 19 | 48 | 18,4 | I | 19 | 48 | 25,9 | | | | |
| AGO | 9 | CRT | I | 03 | 06 | 30,9 | I | 3 | 6 | 32,9 | | | | |
| AGO | 9 | TOL | E* | 12 | 51 | 36,8 | I | 12 | 51 | 42,5 | | | | |
| | | TOL | E* | 15 | 54 | 23 | E | 15 | 54 | 35,5 | | | | |
| AGO | 9 | CRT | E | 16 | 11 | 51,9 | | | | | | | | |
| AGO | 9 | TOL | E | 18 | 49 | 36 | | | | | | | | |
| AGO | 10 | LGR | E | 10 | 55 | 53,1 | I | 10 | 55 | 59,0 | | | | |
| AGO | 11 | TOL | E* | 11 | 34 | 36 | E | 11 | 34 | 46,0 | | | | |
| AGO | 11 | LGR | F | 12 | 57 | 08,1 | I | 12 | 57 | 12,1 | | | | |
| AGO | 11 | MAL | E | 13 | 03 | 16 | I | 13 | 3 | 21,0 | | | | |
| AGO | 11 | LGR | E | 16 | 07 | 26,5 | E | 16 | 7 | 42,0 | | | | |
| | | LGR | E | 17 | 18 | 45 | I | 17 | 18 | 53,2 | | | | |
| AGO | 12 | CRT | E | 01 | 29 | 41,2 | E | 1 | 29 | 42,2 | | | | |
| AGO | 12 | CRT | I | 07 | 47 | 11,1 | I | 7 | 47 | 14,0 | | | | |
| | | MAL | I C | 07 | 47 | 19,2 | E | 7 | 47 | 28,0 | | | | |
| | | TOL | E | 07 | 48 | 05,5 | E | 7 | 48 | 37,0 | | | | |
| SSIS | | | | 12-AGO-1977 | | | H/M/S= 07-47- 6,0 | | | | | | | |
| | | | | LAT N= 36-54,0 | | | LONG W= 03-36,0 | | | PROF= 33, KM MAG= | | | | |
| | | | | RMS= | | | ERM= | | | KM NES= 03 IO= | | | | |
| PADUL | | | | | | | | | | | | | | |
| PROVINCIA DE GRANADA | | | | | | | | | | | | | | |
| AGO | 12 | TOL | E | 10 | 10 | 57 | | | | | | | | |
| AGO | 12 | TOL | E* | 11 | 42 | 02 | | | | | | | | |
| AGO | 12 | CRT | E | 17 | 32 | 04,7 | E | 17 | 32 | 11,0 | | | | |
| AGO | 13 | TOL | E | 10 | 29 | 52 | E | 10 | 30 | 16,0 | | | | |
| AGO | 13 | LGR | E | 12 | 12 | 40,7 | I | 12 | 12 | 60,0 | | | | |

BOLETIN DE SISMOS PROXIMOS

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| AGO | 13 | CRT | E | 13 | 28 | 48,8 | | | | | | | | |
| | | MAL | F | 13 | 28 | 44 | E | 13 | 29 | 5,0 | | | | |
| | | TOL | E | 13 | 29 | 15,5 | E | 13 | 29 | 30,0 | | | | |
| AGO | 13 | MAL | I D | 13 | 55 | 40,5 | I | 13 | 56 | 7,5 | | | | |
| | | TOL | E | 13 | 55 | 58,5 | I | 13 | 56 | 29,5 | 0,0 | 0,6 | | |
| AGO | 16 | MAL | I D | 03 | 01 | 50 | F | 3 | 2 | 2,5 | 0,0 | 0,4 | | |
| | | TOL | F | 03 | 02 | 25 | E | 3 | 2 | 47,0 | | | | |
| AGO | 16 | TOL | E | 08 | 17 | 02 | | | | | | | | |
| | | TOL | | | | | F | 11 | 40 | 15,0 | | | | |
| AGO | 17 | LGR | F | 10 | 25 | 24,3 | I | 10 | 25 | 30,3 | | | | |
| | | LGR | E | 14 | 24 | 16,9 | I | 14 | 24 | 22,9 | | | | |
| | | LGR | E | 16 | 59 | 32,4 | F | 17 | 0 | 3,4 | | | | |
| AGO | 18 | LGR | E | 11 | 15 | 57,8 | I | 11 | 16 | 10,2 | | | | |
| AGO | 18 | TOL | F | 12 | 11 | 08,5 | E | 12 | 11 | 30,0 | | | | |
| AGO | 18 | LGR | E | 15 | 11 | 18 | I | 15 | 11 | 30,4 | | | | |
| AGO | 19 | CRT | E | 01 | 23 | 35,5 | I | 1 | 24 | 13,2 | | | | |
| | | COI | I D | 01 | 23 | 44,4 | I | 1 | 24 | 31,0 | | | | |
| | | LGR | I | 01 | 24 | 30,5 | I | 1 | 25 | 50,3 | | | | |
| | | MAL | I C | 01 | 23 | 24, | E | 1 | 23 | 52,0 | | | | |
| | | MTE | I | 01 | 23 | 45,8 | I | 1 | 24 | 32,5 | | | | |
| | | PTO | I | 01 | 23 | 57, | I | 1 | 24 | 50,8 | | | | |
| | | TOL | I | 01 | 23 | 51, | F | 1 | 24 | 42,2 | | | | |

UBSIS

19-AGO-1977 H/M/S= 01-22-47,0
 LAT N= 36-30,0 LONG W= 07-24,0 PROF= 35. KM MAG=
~~RMS= 0,4 ERH= KM ERZ= KM NES= 06 IO=~~

OCEANO ATLANTICO

| | | | | | | | | | | | | | |
|-----|----|-----|-----|----|----|------|---|----|----|------|--|--|--|
| AGO | 19 | MAL | I | 13 | 16 | 58,2 | E | 13 | 16 | 59,0 | | | |
| AGO | 19 | LGR | I C | 13 | 37 | 31,6 | I | 13 | 37 | 36,1 | | | |
| AGO | 20 | ALM | I | 04 | 03 | 41,3 | I | 4 | 4 | 27,9 | | | |
| AGO | 20 | TOL | E | 10 | 59 | 54 | I | 11 | 0 | 0,0 | | | |
| AGO | 20 | MAL | F | 13 | 15 | 13 | E | 13 | 15 | 17,5 | | | |
| AGO | 22 | LGR | E | 08 | 31 | 24,6 | I | 8 | 31 | 30,1 | | | |
| AGO | 22 | TOL | E | 18 | 01 | 38 | I | 18 | 2 | 1,0 | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| AGO | 23 | CRT | E | 11 | 42 | 40,6 | I | 11 | 42 | 42,3 | | | | |
| AGO | 23 | TOL | E | 12 | 12 | 59 | F | 12 | 13 | 20,0 | | | | |
| AGO | 23 | LGR | E | 13 | 07 | 34,5 | I | 13 | 7 | 40,0 | | | | |
| AGO | 23 | ALM | E | 14 | 54 | 25 | I | 14 | 54 | 27,2 | | | | |
| AGO | 23 | LGR | E | 16 | 58 | 16,6 | I | 16 | 58 | 22,1 | | | | |
| AGO | 24 | MAL | | | | | I | 9 | 2 | 17,5 | | | | |
| | | MAL | E | 09 | 32 | 19,7 | I | 9 | 32 | 24,7 | | | | |
| | | MAL | | | | | I | 9 | 33 | 10,0 | | | | |
| AGO | 24 | TOL | E | 11 | 05 | 10 | I | 11 | 5 | 15,0 | | | | |
| | | TOL | E | 12 | 10 | 03 | R | 12 | 10 | 10,5 | | | | |
| AGO | 24 | MAL | I C | 13 | 27 | 23,5 | I | 13 | 27 | 25,0 | | | | |
| AGO | 24 | LGR | I | 15 | 29 | 48,3 | I | 15 | 29 | 56,7 | | | | |
| AGO | 24 | TOL | F | 15 | 30 | 32 | | | | | | | | |
| AGO | 25 | LGR | E | 15 | 35 | 17,7 | I | 15 | 35 | 21,7 | | | | |
| AGO | 24 | MAL | | | | | E | 1 | 8 | 54,8 | | | | |
| | | MAL | E | 04 | 42 | 26 | I | 4 | 42 | 30,8 | | | | |
| | | MAL | | | | | | 4 | 44 | 39,0 | | | | |
| | | MAL | E | 04 | 47 | 58 | I | 4 | 48 | 3,0 | | | | |
| | | MAL | | | | | I | 11 | 25 | 37,5 | | | | |
| AGO | 26 | TOL | | | | | E | 12 | 38 | 25,0 | | | | |
| AGO | 26 | MAL | | | | | I | 13 | 46 | 37,5 | | | | |
| AGO | 26 | CRT | E | 14 | 53 | 46 | I | 14 | 53 | 48,5 | | | | |
| AGO | 26 | MAL | | | | | I | 17 | 5 | 37,0 | | | | |
| AGO | 27 | LGR | E | 10 | 49 | 14,5 | I | 10 | 49 | 24,5 | | | | |
| AGO | 29 | TOL | E | 01 | 57 | 17 | E | 1 | 57 | 35,5 | | | | |
| AGO | 29 | TOL | E* | 13 | 00 | 54 | I | 13 | 1 | 55,0 | | | | |
| AGO | 29 | MAL | I C | 14 | 53 | 56,3 | I | 14 | 53 | 59,0 | | | | |
| AGO | 29 | TOL | E | 15 | 10 | 03 | E | 15 | 10 | 27,0 | | | | |
| AGO | 29 | LGR | E | 15 | 17 | 26 | I | 15 | 17 | 31,5 | | | | |

LEJANOS

44

BOLETIN DE SISMOS PROXIMOS

| MES | DTA | STA | PRK | P (P1) | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|--------|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| AGO | 29 | CRT | I | 15 | 34 | 41,5 | I | 15 | 34 | 44,0 | | | | |
| AGO | 29 | TOL | E | 18 | 02 | 05 | | | | | | | | |
| AGO | 30 | TOL | E* | 11 | 49 | 34 | I | 11 | 49 | 37,0 | 0,1 | 0,0 | | |
| AGO | 30 | CRT | | | | | F | 12 | 45 | 0,1 | | | | |
| AGO | 30 | MAL | | | | | I | 15 | 17 | 58,3 | | | | |
| AGO | 30 | LGR | I | 16 | 44 | 26,4 | I | 16 | 44 | 31,9 | | | | |
| AGO | 30 | ALM | E | 16 | 56 | 26,6 | I | 16 | 56 | 31,7 | | | | |
| | | ALM | I | 17 | 56 | 16,2 | E | 17 | 56 | 31,4 | | | | |
| AGO | 31 | CRT | F | 08 | 07 | 21,7 | | | | | | | | |
| AGO | 31 | TOL | E* | 10 | 04 | 39 | E | 10 | 4 | 54,5 | | | | |
| AGO | 31 | TOL | E | 10 | 24 | 58 | | | | | | | | |
| | | TOL | E | 10 | 28 | 49 | | | | | | | | |
| | | TOL | E | 17 | 06 | 42 | | | | | | | | |
| | | ALM | I C | 03 | 08 | 23,1 | E | 3 | 8 | 33,0 | | | | |
| SEP | 1 | EBR | | | | | E | 9 | 43 | 32,0 | | | | |
| SEP | 1 | TOL | E* | 11 | 36 | 20 | I | 11 | 36 | 24,5 | | | | |
| SEP | 1 | TOL | E | 11 | 58 | 47,5 | | | | | | | | |
| SEP | 1 | TOL | E* | 13 | 55 | 43 | I | 13 | 55 | 50,0 | 0,2 | 1,0 | | |
| SEP | 1 | EBR | | | | | E | 13 | 58 | 27,0 | | | | |
| SEP | 2 | EBR | | | | | E | 10 | 38 | 54,0 | | | | |
| | | ERR | | | | | E | 11 | 42 | 24,0 | | | | |
| SEP | 2 | LGR | E | 14 | 58 | 04,6 | I | 14 | 58 | 11,1 | | | | |
| SEP | 2 | EBR | | | | | E | 15 | 36 | 25,0 | | | | |
| SEP | 2 | CRT | I | 18 | 25 | 04,1 | | | | | | | | |
| SEP | 3 | TOL | E* | 10 | 59 | 41,5 | | | | | | | | |
| SEP | 3 | EBR | | | | | E | 11 | 7 | 19,0 | | | | |
| | | EBR | | | | | E | 11 | 12 | 19,0 | | | | |
| SEP | 5 | TOL | I D | 03 | 12 | 45 | I | 3 | 14 | 48,0 | 0,1 | 1,2 | | |

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| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| SEP 5 | CRT | | | | | E | 5 | 30 | 30,0 | | | | |
| | MAL | E | 05 | 30 | 08 | E | 5 | 30 | 31,0 | | | | |
| | TOL | E | 05 | 30 | 06 | I | 5 | 30 | 30,0 | | | | |
| SEP 5 | TOL | E* | 09 | 02 | 39 | | | | | | | | |
| SEP 5 | LGR | E | 10 | 00 | 13,3 | I | 10 | 0 | 21,7 | | | | |
| SEP 5 | TOL | E* | 11 | 56 | 03 | E | 11 | 56 | 9,0 | | | | |
| SEP 5 | TOL | E | 12 | 35 | 08 | E | 12 | 35 | 14,0 | | | | |
| SEP 5 | LGR | I C | 15 | 05 | 05,4 | I | 15 | 5 | 13,2 | 1.5 | 0,5 | | |
| | LGR | E | 15 | 08 | 05,5 | I | 15 | 8 | 11,5 | | | | |
| | LGR | I | 15 | 15 | 25 | I | 15 | 15 | 32,4 | | | | |
| SEP 5 | ERR | | | | | E | 15 | 44 | 27,0 | | | | |
| SEP 5 | TOL | E | 21 | 21 | 12 | E | 21 | 22 | 9,0 | | | | |
| SEP 6 | ERR | E | 08 | 22 | 22 | E | 8 | 22 | 37,0 | | | | |
| SEP 6 | LGR | E | 10 | 29 | 31,7 | I | 10 | 29 | 38,2 | | | | |
| SEP 6 | FRR | | | | | E | 11 | 49 | 50,0 | | | | |
| | ERR | | | | | E | 13 | 6 | 20,0 | | | | |
| | ERR | | 13 | 46 | 32 | E | 13 | 46 | 46,0 | | | | |
| SEP 6 | LGR | I D | 14 | 29 | 39 | I | 14 | 29 | 45,5 | | | | |
| SEP 6 | ERR | | | | | I | 16 | 30 | 16,0 | | | | |
| SEP 6 | LGR | I | 16 | 45 | 19,2 | I | 16 | 45 | 26,7 | | | | |
| | LGR | E | 18 | 13 | 51,7 | I | 18 | 14 | 5,3 | | | | |
| SEP 6 | CRT | E | 21 | 32 | 52 | I | 21 | 33 | 25,0 | | | | |
| SEP 7 | CRT | I D | 09 | 07 | 42,2 | I | 9 | 7 | 44,2 | | | | |
| SEP 7 | ERR | | | | | E | 9 | 40 | 30,0 | | | | |
| | ERR | | | | | E | 11 | 47 | 39,0 | | | | |
| | ERR | | | | | E | 13 | 56 | 51,0 | | | | |
| SEP 7 | ALM | | 14 | 22 | 22,5 | I | 14 | 22 | 25,1 | | | | |
| SEP 7 | CRT | E | 15 | 45 | 00,8 | | 15 | 45 | 18,3 | | | | |
| SEP 7 | ERR | | | | | E | 16 | 46 | 0,0 | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|------|-----|-----------------|----|------|--------------------|----|----|-------------|----------|-------|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| SEP | 7 | ERR | E | 22 | 51 | 16,4 | E | 22 | 51 | 51,4 | | | | |
| | | LGP | & | 22 | 51 | 07,5 | I | 22 | 51 | 20,7 | | | | |
| | | TOL | E | 22 | 51 | 40 | I | 22 | 52 | 29,0 | 0,1 | 0,7 | | |
| | | SSIS | | 07-SEP-1977 | | | H/M/S = 22-50-35,0 | | | | | | | |
| | | | | LAT N = 43-12,0 | | | LONG W = 00-12,0 | | | PROF = 33,0 | KM | MAG = | | |
| | | | | RMS = | | | KM ERZ = | | | KM | NES = 03 | IN = | | |
| | | CSEM | | 07-SEP-1977 | | | H/M/S = 22-50-35,1 | | | | | | | |
| | | | | LAT N = 43-18,0 | | | LONG W = 00-18,0 | | | PROF = | KM | MAG = | | |
| | | | | RMS = 0,3 | | | ERH = 5,3 | | | KM | NES = 16 | IN = | | |
| | | NEIS | | 07-SEP-1977 | | | H/M/S = 22-50-35,7 | | | | | | | |
| | | | | LAT N = 43-18,0 | | | LONG W = 00-18,0 | | | PROF = 33,0 | KM | MAG = | | |
| | | | | RMS = 1,3 | | | ERH = | | | KM | NES = 15 | IN = | | |

PALI
FRANCIA

| | | | | | | | | | | | | | |
|-----|----|-----|-----|----|----|------|---|----|----|------|-----|-----|--|
| SEP | 8 | EBR | | | | | E | 10 | 55 | 39,0 | | | |
| | | EBR | | | | | E | 11 | 39 | 47,0 | | | |
| | | EBR | | | | | E | 12 | 18 | 15,0 | | | |
| SEP | 8 | CRT | I | 15 | 30 | 31,0 | | | | | | | |
| SEP | 9 | ERR | | | | | E | 9 | 15 | 45,0 | | | |
| SEP | 9 | LGR | E | 10 | 10 | 27,2 | I | 10 | 10 | 33,7 | | | |
| SEP | 9 | EBR | | | | | E | 10 | 22 | 27,0 | | | |
| | | EBR | | | | | E | 11 | 5 | 4,0 | | | |
| SEP | 9 | TOL | E* | 12 | 06 | 49,5 | I | 12 | 6 | 55,5 | | | |
| | | TOL | E* | 12 | 20 | 40 | I | 12 | 20 | 52,0 | | | |
| SEP | 9 | MAL | E | 12 | 21 | 33 | E | 12 | 22 | 0,0 | | | |
| SEP | 9 | CRT | E | 12 | 35 | 31 | | | | | | | |
| SEP | 9 | EBR | | | | | E | 13 | 41 | 44,0 | | | |
| SEP | 9 | CRT | E | 14 | 44 | 20 | | | | | | | |
| SEP | 9 | MAL | I C | 14 | 53 | 00 | E | 14 | 53 | 9,0 | 1,5 | 0,3 | |
| SEP | 9 | EBR | | | | | E | 17 | 3 | 30,0 | | | |
| SEP | 10 | EBR | E | 10 | 43 | 30 | I | 10 | 43 | 42,0 | | | |
| | | EBR | | | | | E | 11 | 5 | 49,0 | | | |
| | | EBR | | | | | E | 11 | 21 | 54,0 | | | |
| SEP | 11 | TOL | E | 14 | 11 | 20 | E | 14 | 12 | 16,0 | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|------|----------------|-----|-----|-------------------|----|------|--------------|------------|----------|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| SEP | 11 | ERR | E | 14 | 10 | 55 | E | 14 | 11 | 30,0 | | | | |
| SEP | 12 | ALM | E | 22 | 22 | 29,3 | E | 22 | 23 | 43,4 | | | | |
| | | ERR | I | 22 | 21 | 07, | | | | | | | | |
| | | LGR | I C | 22 | 20 | 53,4 | I | 22 | 21 | 12,9 | | | | |
| | | MAL | E C | 22 | 22 | 11, | E | 22 | 22 | 23,0 | | | | |
| | | TOL | I C | 22 | 21 | 28, | I | 22 | 22 | 12,5 | | | | |
| SSIS | 12-SEP-1977 | | | H/M/S= 22-20-27,0 | | | | | | | | | | |
| | LAT N= 43= 0,0 | | | LONG W= 00=54,0 | | | PROF= 33, KM | MAG= | | | | | | |
| | RMS= | | | ERH= | | | KM ERZ= | KM NES= 05 | IO= | | | | | |
| CSFM | 12-SEP-1977 | | | H/M/S= 22-20-27,7 | | | | | | | | | | |
| | LAT N= 30= 0,0 | | | LONG W= 01= 6,0 | | | PROF= | KM | MAG= 4,5 | | | | | |
| | RMS= 0,3 | | | ERH= 4,3 KM ERZ= | | | KM NES= 42 | IO= | | | | | | |
| NEIS | 12-SEP-1977 | | | H/M/S= 22-20-28,9 | | | | | | | | | | |
| | LAT N= 43=18,0 | | | LONG W= 00=54,0 | | | PROF= 33, KM | MAG= | | | | | | |
| | RMS= 1,0 | | | ERH= | | | KM ERZ= | KM NES= 37 | IO= | | | | | |

TARDETS

FRANCIA

SENTIDO VI-VII EN LARRAU, VI EN ST ENGRACE (FRANCIA)

| | | | | | | | | | | | | | |
|-----|----|-----|-----|----|----|------|---|----|----|------|------|--|--|
| SEP | 11 | LGR | I C | 23 | 47 | 55,2 | | | | | | | |
| | | ERR | E | 23 | 48 | 15 | | | 23 | 48 | 32,0 | | |
| SEP | 11 | TOL | E | 23 | 49 | 34 | E | 23 | 49 | 39,0 | | | |
| SEP | 12 | LGR | E | 11 | 08 | 52,2 | I | 11 | 9 | 11,2 | | | |
| SEP | 12 | EHR | | | | | E | 11 | 52 | 2,0 | | | |
| | | EHR | E | 12 | 55 | 12 | E | 12 | 55 | 37,0 | | | |
| | | ERR | | | | | E | 16 | 31 | 33,0 | | | |
| SEP | 13 | TOL | E | 00 | 25 | 08 | | | | | | | |
| SEP | 13 | ERR | | | | | E | 7 | 49 | 39,0 | | | |
| | | ERR | | | | | E | 8 | 51 | 34,0 | | | |
| | | ERR | | | | | E | 9 | 37 | 29,0 | | | |
| | | ERR | | | | | F | 11 | 41 | 55,0 | | | |
| SEP | 13 | LGR | E | 11 | 49 | 50,9 | I | 11 | 50 | 9,9 | | | |
| SEP | 13 | TOL | E* | 13 | 21 | 23,5 | I | 13 | 21 | 27,5 | | | |
| | | TOL | E* | 15 | 18 | 15 | E | 15 | 18 | 40,0 | | | |
| SEP | 13 | LGR | E | 15 | 31 | 28,9 | I | 15 | 31 | 36,1 | | | |
| SEP | 13 | CRT | E | 15 | 58 | 18,4 | | | | | | | |
| | | CRT | E | 16 | 44 | 59,4 | I | 16 | 45 | 6,0 | | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DIR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| SEP 13 | LGR | E | 17 | 10 | 04,6 | I | 17 | 10 | 11,1 | | | | |
| SEP 14 | CRT | E | 09 | 31 | 19,4 | I | 9 | 31 | 23,9 | | | | |
| SEP 14 | LGR | E | 11 | 07 | 45,6 | I | 11 | 7 | 56,0 | | | | |
| SEP 14 | TOL | E* | 11 | 12 | 03 | I | 11 | 12 | 9,0 | | | | |
| SEP 14 | ERR | | | | | E | 11 | 27 | 56,0 | | | | |
| | ERR | | | | | E | 12 | 47 | 31,0 | | | | |
| SEP 14 | LGR | C | 13 | 24 | 35,9 | I | 13 | 24 | 41,1 | | | | |
| SEP 14 | ERR | E | | | | E | 14 | 28 | 10,0 | | | | |
| SEP 14 | MAL | T D | 14 | 29 | 02 | I | 14 | 29 | 3,0 | 1,0 | 1,0 | | |
| SEP 15 | MAL | E* | 09 | 05 | 15,4 | | | | | | | | |
| | MAL | E* | 10 | 05 | 16,5 | | | | | | | | |
| | MAL | E* | 11 | 05 | 11,5 | | | | | | | | |
| SEP 15 | ERR | E | 11 | 39 | 41 | E | 11 | 40 | 6,0 | | | | |
| SEP 15 | LGR | I | 11 | 48 | 31 | I | 11 | 48 | 38,8 | | | | |
| SEP 15 | MAL | E* | 12 | 05 | 11,5 | | | | | | | | |
| | MAL | E* | 13 | 05 | 10 | | | | | | | | |
| | MAL | E* | 14 | 05 | 08,5 | | | | | | | | |
| | MAL | E* | 15 | 05 | 08 | | | | | | | | |
| | MAL | E* | 16 | 05 | 08 | | | | | | | | |
| SEP 15 | LGR | E | 16 | 03 | 55,5 | I | 16 | 4 | 13,4 | | | | |
| SEP 15 | MAL | E* | 17 | 05 | 08,3 | | | | | | | | |
| SEP 16 | MAL | E* | 06 | 07 | 05 | | | | | | | | |
| | MAL | E* | 07 | 05 | 10 | | | | | | | | |
| | MAL | E* | 08 | 05 | 09,5 | | | | | | | | |
| | MAL | E* | 09 | 05 | 10,8 | | | | | | | | |
| SEP 16 | ERR | | | | | E | 9 | 45 | 5,0 | | | | |
| | ERR | | | | | E | 9 | 50 | 12,0 | | | | |
| SEP 16 | MAL | E* | 10 | 05 | 10,5 | | | | | | | | |
| SEP 16 | ERR | E | 10 | 56 | 07 | E | 10 | 56 | 11,0 | | | | |
| | LGR | E | 10 | 56 | 52,8 | I | 10 | 56 | 59,3 | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| SEP | 16 | MAL | E* | 11 | 05 | 12 | | | | | | | | |
| | | MAL | E* | 12 | 05 | 12,5 | | | | | | | | |
| | | MAL | E* | 13 | 05 | 15 | | | | | | | | |
| | | MAL | E* | 14 | 05 | 17 | | | | | | | | |
| | | MAL | I*C | 14 | 34 | 52,4 | | | | | 0,3 | 0,8 | | |
| SEP | 16 | ALM | I C | 15 | 16 | 16,5 | | | | | | | | |
| SEP | 16 | EBR | E | 16 | 38 | 43 | E | 16 | 38 | 46,0 | | | | |
| | | EBR | | | | | E | 17 | 11 | 45,0 | | | | |
| | | EBR | | | | | E | 17 | 28 | 27,0 | | | | |
| SEP | 17 | EBR | | | | | E | 11 | 39 | 23,0 | | | | |
| SEP | 19 | LGR | E | 10 | 48 | 37,3 | I | 10 | 48 | 48,3 | | | | |
| SEP | 19 | EBR | | | | | I | 11 | 3 | 38,0 | | | | |
| | | EBR | | | | | I | 13 | 0 | 0,0 | | | | |
| | | ERR | | | | | I | 14 | 9 | 46,0 | | | | |
| | | ERR | | 18 | 24 | 34 | E | 18 | 24 | 40,0 | | | | |
| SEP | 20 | ALM | * | 07 | 55 | 05,8 | | | | | | | | |
| SEP | 20 | EBR | | | | | E | 10 | 16 | 50,0 | | | | |
| SEP | 20 | TOL | E* | 11 | 21 | 10 | | | | | | | | |
| SEP | 20 | EBR | | | | | E | 11 | 53 | 6,0 | | | | |
| SEP | 20 | ALM | I* | | | | I | 14 | 6 | 58,7 | | | | |
| SEP | 20 | LGR | E | 14 | 47 | 04 | I | 14 | 47 | 11,0 | | | | |
| SEP | 20 | ALM | E | 15 | 06 | 59,5 | | | | | | | | |
| SEP | 20 | ERR | | | | | E | 17 | 36 | 32,0 | | | | |
| SEP | 21 | ERR | | | | | E | 10 | 57 | 15,0 | | | | |
| | | ERR | | | | | E | 12 | 32 | 50,0 | | | | |
| SEP | 21 | TOL | E* | 13 | 59 | 56 | | | | | | | | |
| SEP | 21 | ALM | I | 14 | 08 | 58,7 | | | | | | | | |
| | | ALM | I | 15 | 12 | 54,0 | | | | | | | | |
| SEP | 21 | EBR | | | | | E | 15 | 33 | 53,0 | | | | |
| | | ERR | | | | | E | 15 | 43 | 47,0 | | | | |
| SEP | 21 | TOL | E | 17 | 42 | 15 | F | 17 | 42 | 34,0 | | | | |
| SEP | 22 | ALM | I* | 14 | 32 | 11,5 | | | | | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|-------|----|------|-----|-------|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| | | | | ----- | | | | ----- | | | | | | |
| SEP | 22 | ALM | E | 01 | 52 | 23,9 | E | 1 | 52 | 26,1 | | | | |
| SEP | 22 | MAL | I+C | 08 | 55 | 05 | | | | | | | | |
| SEP | 22 | EBR | | | | | E | 11 | 42 | 32,0 | | | | |
| | | EBR | E | 12 | 02 | 11 | E | 12 | 2 | 14,0 | | | | |
| | | ERR | E | 13 | 44 | 18 | E | 13 | 44 | 21,0 | | | | |
| SEP | 22 | MAL | I+C | 14 | 06 | 04,8 | | | | | | | | |
| SEP | 22 | CRT | E | 15 | 56 | 06,4 | E | 15 | 56 | 15,4 | | | | |
| SEP | 22 | ERR | | | | | E | 16 | 47 | 2,0 | | | | |
| | | ERR | | | | | E | 17 | 15 | 38,0 | | | | |
| | | ERR | | | | | E | 19 | 24 | 52,0 | | | | |
| SEP | 23 | TOL | E* | 06 | 58 | 08 | E | 6 | 58 | 15,0 | | | | |
| | | TOL | E* | 11 | 45 | 13,5 | I | 11 | 45 | 17,8 | | | | |
| SEP | 23 | ERR | E | 14 | 46 | 27 | E | 14 | 46 | 30,0 | | | | |
| SEP | 23 | MAL | I+C | 14 | 54 | 57 | | 14 | 54 | 58,0 | 0,4 | 0,8 | | |
| SEP | 23 | LGR | I | 17 | 05 | 57,4 | I | 17 | 6 | 4,0 | | | | |
| SEP | 23 | ALM | I D | 17 | 07 | 35,9 | I | 17 | 7 | 40,5 | | | | |
| SEP | 24 | EBR | | | | | E | 8 | 47 | 22,0 | | | | |
| | | ERR | | | | | F | 10 | 18 | 32,0 | | | | |
| | | ERR | | | | | F | 10 | 49 | 23,0 | | | | |
| SEP | 24 | MAL | I* | 14 | 07 | 06 | | | | | | | | |
| SEP | 26 | LGR | I | 14 | 50 | 39,8 | I | 14 | 50 | 48,3 | | | | |
| SEP | 26 | TOL | E | 15 | 04 | 425 | E | 15 | 11 | 18,5 | | | | |
| SEP | 26 | LGR | E | 15 | 16 | 49,1 | I | 15 | 16 | 58,7 | | | | |
| | | TOL | E | 15 | 17 | 57 | | | | | | | | |
| SEP | 26 | TOL | E | 16 | 05 | 15,5 | | | | | | | | |
| SEP | 26 | LGR | I C | 18 | 42 | 25,6 | I | 18 | 42 | 33,3 | 2,0 | 0,4 | | |
| SEP | 27 | TOL | E | 10 | 30 | 53 | E | 10 | 31 | 15,0 | | | | |
| SEP | 27 | TOL | E* | 14 | 44 | 33,5 | E | 14 | 44 | 40,0 | | | | |
| SEP | 27 | TOL | E | 14 | 57 | 42 | | | | | | | | |
| SEP | 27 | LGR | E | 16 | 32 | 03,4 | I | 16 | 32 | 12,4 | | | | |

BOLETIN DE SISMOS PROXIMOS

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| MES | DTA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| SEP | 28 | TOL | E | 17 | 09 | 06 | | | | | | | | |
| SEP | 29 | LGR | E | 01 | 59 | 16,4 | I | 1 | 59 | 55,7 | | | | |
| SEP | 29 | TOL | E* | 11 | 34 | 34 | I | 11 | 34 | 55,0 | | | | |
| SEP | 29 | TOL | E | 12 | 25 | 13 | I | 12 | 25 | 23,5 | | | | |
| SEP | 29 | CRT | E | 15 | 42 | 26,9 | E | 15 | 42 | 36,8 | | | | |
| SEP | 29 | LGR | I C | 13 | 59 | 27,8 | I | 13 | 59 | 47,8 | 1,5 | 0,4 | | |
| SEP | 30 | LGR | F | 12 | 48 | 33,6 | I | 12 | 48 | 48,6 | | | | |
| SEP | 30 | TOL | E* | 14 | 23 | 33,2 | I | 14 | 23 | 37,5 | | | | |
| SEP | 30 | CRT | I | 18 | 21 | 36,4 | I | 18 | 21 | 45,1 | | | | |
| | | EHR | E | 09 | 37 | 23,2 | E | 9 | 37 | 30,7 | | | | |
| | | ERR | E | 11 | 19 | 30,2 | E | 11 | 19 | 36,7 | | | | |
| OCT | 1 | LGR | I C | 14 | 22 | 03,1 | I | 14 | 22 | 11,3 | | | | |
| OCT | 3 | EBR | E | 11 | 51 | 57 | E | 11 | 52 | 3,0 | | | | |
| | | ERR | E | 13 | 52 | 33 | E | 13 | 52 | 38,5 | | | | |
| | | ERR | E | | | | E | 15 | 2 | 52,0 | | | | |
| OCT | 3 | TOL | E | 15 | 59 | 50 | I | 16 | 0 | 5,0 | | | | |
| | | TOL | E | | | | E | 16 | 45 | 45,8 | | | | |
| OCT | 3 | ALM | I C | 17 | 59 | 39,2 | I | 17 | 59 | 41,6 | | | | |
| OCT | 4 | EBR | | | | | F | 9 | 31 | 50,0 | | | | |
| OCT | 4 | LGR | E | 10 | 40 | 26,4 | I | 10 | 40 | 32,9 | | | | |
| OCT | 4 | ERR | | | | | E | 11 | 50 | 8,0 | | | | |
| | | EHR | | 13 | 44 | 48 | E | 13 | 44 | 50,0 | | | | |
| OCT | 5 | TOL | E* | 16 | 34 | 17,5 | E | 16 | 34 | 21,5 | | | | |
| OCT | 6 | ALM | I C | 15 | 08 | 16,2 | I | 15 | 8 | 23,7 | | | | |
| | | ALM | I C | 15 | 38 | 10,9 | I | 15 | 38 | 11,8 | | | | |
| OCT | 7 | TOL | E | 13 | 10 | 41,5 | E | 13 | 11 | 2,5 | | | | |
| OCT | 7 | CRT | E | 16 | 12 | 18 | | | | | | | | |
| OCT | 7 | ERR | F | 16 | 49 | 18 | | | | | | | | |
| OCT | 8 | ERR | F | 10 | 17 | 18 | E | 10 | 17 | 25,0 | | | | |
| | | EHR | | | | | E | 11 | 42 | 36,0 | | | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| OCT 10 | ERR | E | 06 | 07 | 17 | E | 6 | 8 | 25,0 | | | | |
| | LGR | E | 06 | 06 | 59,8 | I | 6 | 7 | 32,8 | | | | |
| OCT 10 | TOL | E | 07 | 07 | 37,5 | I | 7 | 8 | 39,0 | 0,8 | 0,8 | | |
| OCT 10 | CRT | E | 10 | 23 | 04, | | | | | | | | |
| | COI | E | 10 | 23 | 13,8 | I | 10 | 23 | 53,3 | | | | |
| | FAR | I | 10 | 22 | 50,3 | I | 10 | 23 | 7,5 | | | | |
| | MAL | E | 10 | 22 | 52, | I | 10 | 23 | 19,0 | 0,0 | 0,5 | | |
| | PTO | E | 10 | 23 | 23,5 | I | 10 | 24 | 1,4 | | | | |
| | TOL | E | 10 | 23 | 11,8 | I | 10 | 23 | 44,5 | | | | |

SSIS 10-OCT-1977 H/M/S= 10-22-26,2
 LAT N= 37-36,0 LONG W= 06-24,0 PROF= 35. KM MAG= 0,8
 RMS= 1,8 ERH= KM ERZ= KM NES= 06 ID=

AZNALCOLLAR
 PROVINCIA DE SEVILLA

| | | | | | | | | | | | | |
|--------|-----|-----|----|----|------|----|----|------|------|--|--|--|
| OCT 10 | ALM | I C | 10 | 24 | 03,3 | I | 10 | 24 | 13,0 | | | |
| OCT 10 | LGR | E | 10 | 24 | 16,4 | E | 10 | 25 | 12,3 | | | |
| OCT 10 | FBR | E | 11 | 27 | 52 | E | 11 | 28 | 0,0 | | | |
| OCT 10 | LGR | E | 12 | 42 | 05 | I | 12 | 42 | 13,4 | | | |
| OCT 10 | TOL | E* | 12 | 44 | 51 | I | 12 | 44 | 54,5 | | | |
| | TOL | E* | 13 | 04 | 50,2 | I | 13 | 4 | 53,5 | | | |
| OCT 10 | EBR | | | | | E | 13 | 46 | 4,0 | | | |
| | FBR | | 14 | 58 | 12 | E | 14 | 58 | 20,0 | | | |
| | ERR | | | | | E | 15 | 25 | 57,0 | | | |
| | EBR | | | | | E | 16 | 3 | 11,0 | | | |
| | EBR | | | | | E | 16 | 33 | 12,0 | | | |
| | ERR | | | | | E | 16 | 34 | 51,0 | | | |
| OCT 10 | LGR | I D | 17 | 20 | 46,7 | I | 17 | 20 | 57,7 | | | |
| | LGR | E | 18 | 12 | 37,7 | I | 18 | 12 | 48,7 | | | |
| OCT 11 | TOL | | | | F | 11 | 31 | 55,5 | | | | |
| OCT 11 | ERR | | | | | E | 13 | 26 | 48,0 | | | |
| | FBR | E | 13 | 39 | 46 | E | 13 | 39 | 54,0 | | | |
| | ERR | E | 15 | 22 | 14 | E | 15 | 22 | 22,0 | | | |
| OCT 11 | TOL | | 15 | 26 | 45 | | | | | | | |
| OCT 11 | EBR | E | 15 | 59 | 26 | E | 15 | 59 | 40,0 | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| OCT | 11 | TOL | * | 16 | 22 | 27,5 | | | | | | | | |
| OCT | 11 | LGR | I C | 17 | 24 | 56,9 | I | 17 | 25 | 3,5 | | | | |
| OCT | 13 | ALM | I C | 08 | 19 | 33,5 | I | 8 | 19 | 38,3 | | | | |
| OCT | 13 | ERR | | | | | E | 8 | 54 | 30,0 | | | | |
| | | EBR | F | 09 | 05 | 30 | E | 9 | 35 | 49,0 | | | | |
| | | EBR | | | | | E | | | | | | | |
| OCT | 13 | ALM | I D | 11 | 44 | 17,6 | I | 11 | 44 | 34,6 | | | | |
| OCT | 13 | TOL | | 12 | 10 | 25 | I | 12 | 10 | 30,0 | | | | |
| OCT | 13 | CRT | E | 12 | 58 | 16 | | | | | | | | |
| OCT | 13 | EBR | | | | | E | 14 | 9 | 5,0 | | | | |
| OCT | 13 | LGR | E | 16 | 02 | 11,8 | I | 16 | 2 | 18,3 | | | | |
| OCT | 13 | EBR | | | | | E | 16 | 8 | 26,0 | | | | |
| OCT | 13 | LGR | E | 17 | 40 | 55,8 | I | 17 | 41 | 14,8 | | | | |
| OCT | 14 | ALM | I D | 06 | 44 | 57,5 | I | 6 | 45 | 6,7 | | | | |
| OCT | 14 | EBR | E | 11 | 19 | 52,2 | E | 11 | 19 | 59,7 | | | | |
| OCT | 14 | CRT | E | 13 | 00 | 00 | | | | | | | | |
| OCT | 14 | TOL | * | 14 | 30 | 48,5 | E | 14 | 30 | 54,0 | | | | |
| | | TOL | * | 14 | 42 | 26 | I | 14 | 42 | 30,0 | | | | |
| OCT | 14 | LGR | E | 15 | 09 | 37,5 | I | 15 | 9 | 56,5 | | | | |
| OCT | 14 | CRT | E | 15 | 49 | 35,3 | | | | | | | | |
| OCT | 14 | EBR | E | 16 | 06 | 27 | E | 16 | 6 | 34,0 | | | | |
| OCT | 14 | LGR | E | 16 | 58 | 46,8 | I | 16 | 58 | 59,8 | | | | |
| OCT | 14 | ERR | | | | | E | 17 | 15 | 4,0 | | | | |
| OCT | 15 | ERR | | | | | E | 11 | 25 | 53,0 | | | | |
| OCT | 15 | CRT | E | 12 | 06 | 49,7 | E | 12 | 6 | 58,7 | | | | |
| OCT | 15 | ERR | | | | | E | 12 | 30 | 27,0 | | | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|------------------|----------------|-----|-------------------|----|------|-----|----|----|------|--------------|----------|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| OCT 16 | COI | D | 07 | 45 | 53,7 | E | 7 | 46 | 40,5 | | | | |
| | ERR | E | 07 | 47 | 11,0 | E | 7 | 48 | 57,0 | | | | |
| | FAR | I | 07 | 45 | 28,5 | | | | | | | | |
| | LIS | | 07 | 45 | 33,5 | | 7 | 46 | 2,5 | | | | |
| | LGR | I D | 07 | 46 | 57,3 | I | 7 | 48 | 33,8 | | | | |
| | MAL | E | 07 | 46 | 06,5 | I | 7 | 47 | 3,3 | 0,2 | 1,0 | | |
| | MTE | I | 07 | 45 | 59,5 | I | 7 | 46 | 52,0 | | | | |
| | PTD | I | 07 | 46 | 03,5 | I | 7 | 46 | 56,4 | | | | |
| | TOL | I | 07 | 46 | 22,5 | I | 7 | 47 | 30,8 | 0,1 | 0,5 | | |
| SSIS | 16-OCT-1977 | | H/M/S= 07-45= 5,8 | | | | | | | PROF= 45, KM | MAG= | | |
| | LAT N= 37-12,0 | | LONG W= 09-30,0 | | | | | | | KM NES= 09 | IO= | | |
| | RMS= 1,8 | | ERH= | | | | | | | KM | | | |
| CSEM | 16-OCT-1977 | | H/M/S= 07-45= 4,5 | | | | | | | PROF= | KM | MAG= | |
| | LAT N= 37-12,0 | | LONG W= 09-42,0 | | | | | | | KM NES= 18 | IO= | | |
| | RMS= 4,3 | | ERH= 38,8 | | | | | | | KM | | | |
| NEIS | 16-OCT-1977 | | H/M/S= 07-45=12,0 | | | | | | | PROF= 33, KM | MAG= 4,7 | | |
| | LAT N= 37-30,0 | | LONG W= 08-54,0 | | | | | | | KM NES= 15 | IO= | | |
| | RMS= 1,0 | | ERH= | | | | | | | KM | | | |
| OCEANO ATLANTICO | | | | | | | | | | | | | |
| OCT 16 | ERR | E | 19 | 35 | 39,7 | E | 19 | 36 | 10,7 | | | | |
| | LGR | I C | 19 | 35 | 20,1 | I | 19 | 35 | 37,3 | 1,7 | 0,3 | | |
| | TOL | E | 19 | 36 | 10 | E | 19 | 36 | 40,0 | | | | |
| OCT 17 | ERR | E | 10 | 06 | 33 | E | 10 | 6 | 56,0 | | | | |
| OCT 17 | MAL | I D | 11 | 17 | 29 | I | 11 | 17 | 37,0 | 0,5 | 0,3 | | |
| OCT 17 | ERR | E | 11 | 53 | 25 | E | 11 | 53 | 33,5 | | | | |
| OCT 17 | TOL | E | 11 | 58 | 56 | I | 11 | 59 | 11,0 | | | | |
| OCT 17 | ERR | | | | | E | 12 | 27 | 37,0 | | | | |
| | ERR | E | 15 | 47 | 02 | E | 15 | 47 | 9,0 | | | | |
| OCT 18 | ERR | E | 10 | 31 | 25 | E | 10 | 31 | 31,0 | | | | |
| | ERR | E | 10 | 34 | 19 | E | 10 | 34 | 23,0 | | | | |
| OCT 18 | TOL | E | 13 | 09 | 28,5 | E | 13 | 9 | 56,0 | | | | |
| OCT 18 | ERR | E | 15 | 03 | 34 | E | 15 | 3 | 41,0 | | | | |
| OCT 18 | MAL | I C | 15 | 27 | 34,5 | I | 15 | 27 | 35,7 | 0,6 | 1,0 | | |
| OCT 18 | CRT | E C | 15 | 51 | 34,3 | | | | | | | | |
| OCT 19 | ERR | | | | | E | 8 | 32 | 41,0 | | | | |

BOLETIN DE SISMOS PROXIMOS

55

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| OCT | 19 | TOL | E* | 08 | 56 | 36 | E | 8 | 56 | 40,0 | | | | |
| OCT | 19 | ERR | E | 11 | 51 | 02 | E | 11 | 51 | 7,0 | | | | |
| | | EBR | | | | | E | 15 | 53 | 41,0 | | | | |
| | | EBR | | 16 | 13 | 30,7 | | | | | | | | |
| OCT | 19 | MAL | I D | 16 | 52 | 22,0 | I | 16 | 52 | 25,3 | 0,3 | 0,5 | | |
| OCT | 19 | EBR | E | 18 | 59 | 59 | E | 19 | 0 | 16,7 | | | | |
| OCT | 19 | CRT | E | 23 | 10 | 38,0 | | | | | | | | |
| OCT | 20 | TOL | E* | 12 | 28 | 57 | I | 12 | 29 | 7,0 | | | | |
| OCT | 20 | CRT | E | 12 | 57 | 03,4 | I | 12 | 57 | 12,9 | | | | |
| OCT | 20 | TOL | I* | 15 | 09 | 53 | I | 15 | 9 | 59,5 | | | | |
| OCT | 20 | ERR | | | | | E | 17 | 3 | 31,0 | | | | |
| | | ERR | E | 17 | 09 | 24 | E | 17 | 9 | 30,0 | | | | |
| OCT | 21 | ERR | E | 10 | 32 | 21 | E | 10 | 32 | 42,0 | | | | |
| | | LGR | E | 10 | 32 | 46 | E | 10 | 33 | 24,0 | | | | |
| OCT | 21 | LGR | E | 10 | 51 | 21,4 | E | 10 | 51 | 46,0 | | | | |
| OCT | 21 | ERR | E | 11 | 49 | 02 | E | 11 | 49 | 8,0 | | | | |
| | | EBR | | | | | E | 12 | 29 | 38,0 | | | | |
| OCT | 21 | CRT | E | 12 | 38 | 50,2 | | | | | | | | |
| OCT | 21 | EBR | | | | | E | 17 | 41 | 25,0 | | | | |
| OCT | 22 | CRT | E* | 10 | 25 | 29,8 | | | | | | | | |
| | | CRT | E | 10 | 40 | 22,3 | | | | | | | | |
| OCT | 22 | ERR | | 16 | 28 | 16 | E | 16 | 28 | 19,5 | | | | |
| OCT | 23 | EBR | | | | | E | 6 | 52 | 4,0 | | | | |
| OCT | 24 | TOL | E | 05 | 14 | 44,5 | I | 5 | 17 | 9,5 | | | | |
| | | TOL | E | 13 | 08 | 14 | I | 13 | 8 | 34,0 | | | | |
| OCT | 24 | CRT | E | 16 | 52 | 25,4 | | | | | | | | |
| OCT | 24 | TOL | E | 23 | 37 | 16 | I | 23 | 37 | 36,5 | | | | |
| OCT | 25 | TOL | E | 11 | 26 | 17,2 | E | 11 | 26 | 35,0 | | | | |
| OCT | 25 | TOL | E* | 14 | 21 | 23 | I | 14 | 21 | 27,5 | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| OCT | 29 | CRT | F | 13 | 31 | 54 | | | | | | | | |
| | | CRT | E | 15 | 29 | 48 | | | | | | | | |
| OCT | 29 | TOL | E | 18 | 39 | 35 | | | | | | | | |
| OCT | 31 | TOL | E | 05 | 07 | 11 | | | | | | | | |
| OCT | 31 | CRT | E | 12 | 59 | 26 | | | | | | | | |
| OCT | 31 | MAL | E | 13 | 27 | 20,3 | I | 13 | 27 | 21,2 | 0,2 | 0,3 | | |
| OCT | 31 | ALM | I | 14 | 07 | 49,6 | I | 14 | 7 | 49,6 | | | | |
| NOV | 1 | LGR | E | 05 | 42 | 02,5 | I | 5 | 42 | 43,5 | | | | |
| | | TOL | E | 05 | 42 | 22 | I | 5 | 42 | 53,0 | | | | |
| NOV | 2 | ALM | I* | 09 | 59 | 48,9 | | | | | | | | |
| | | ALM | I* | 10 | 56 | 12 | | | | | | | | |
| NOV | 2 | ALM | I | 11 | 19 | 51,2 | | | | | | | | |
| NOV | 2 | ERR | | | | | E | 12 | 14 | 9,0 | | | | |
| NOV | 2 | TOL | E* | 13 | 49 | 20 | E | 13 | 49 | 24,0 | | | | |
| NOV | 2 | ALM | I | 14 | 48 | 30,8 | | | | | | | | |
| | | ALM | I | 16 | 04 | 47,7 | | | | | | | | |
| NOV | 3 | TOL | E* | 04 | 53 | 33 | | | | | | | | |
| NOV | 3 | ERR | | | | | E | 8 | 14 | 30,0 | | | | |
| NOV | 3 | TOL | E* | 08 | 34 | 15 | | | | | | | | |
| NOV | 3 | ERR | E | 08 | 46 | 35 | F | 8 | 46 | 38,5 | | | | |
| NOV | 3 | TOL | E* | 11 | 53 | 59 | I | 11 | 54 | 4,7 | | | | |
| NOV | 3 | CRT | E | 15 | 05 | 38,3 | I | 15 | 5 | 54,5 | | | | |
| NOV | 3 | ERR | E | 15 | 18 | 57 | E | 15 | 19 | 1,0 | | | | |
| NOV | 4 | ERR | | | | | E | 14 | 9 | 18,0 | | | | |
| NOV | 5 | ERR | | | | | E | 12 | 0 | 40,0 | | | | |
| NOV | 6 | MAL | E | 04 | 37 | 08 | F | 4 | 37 | 30,0 | | | | |
| NOV | 6 | TOL | E | 04 | 53 | 40 | E | 4 | 53 | 58,0 | | | | |
| NOV | 6 | MAL | E | 13 | 34 | 20,5 | I | 13 | 34 | 26,0 | 0,4 | 0,2 | | |

| MES DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|---------|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | H | M | S | | H | M | S | | | | |
| NOV 7 | TOL | E* | 05 | 05 | 30 | | | | | | | | |
| NOV 7 | TOL | E | 11 | 56 | 19 | | | | | | | | |
| NOV 07 | CRT | E | 12 | 25 | 05,8 | E | 12 | 25 | 8,8 | | | | |
| NOV 7 | ALM | I C | 17 | 07 | 48,5 | I | 17 | 7 | 50,5 | | | | |
| NOV 8 | CRT | E | 11 | 49 | 07 | | | | | | | | |
| NOV 8 | TOL | E* | 12 | 11 | 07 | I | 12 | 11 | 10,8 | | | | |
| NOV 8 | TOL | E* | 13 | 24 | 08,2 | I | 13 | 24 | 12,2 | | | | |
| NOV 8 | CRT | E | 13 | 49 | 01 | | | | | | | | |
| NOV 8 | EBR | E | 15 | 09 | 37 | E | 15 | 9 | 39,0 | | | | |
| NOV 8 | ALM | I D | 15 | 34 | 22,2 | I | 15 | 34 | 37,9 | | | | |
| NOV 8 | CRT | E | 16 | 30 | 59 | I | 16 | 31 | 8,1 | | | | |
| NOV 9 | EBR | E | 09 | 52 | 50 | E | 9 | 52 | 51,5 | | | | |
| | EBR | | | | | E | 13 | 54 | 40,0 | | | | |
| NOV 9 | LGR | E | 16 | 17 | 03 | I | 16 | 17 | 17,4 | | | | |
| NOV 9 | TOL | E | 16 | 50 | 49 | E | 16 | 51 | 17,0 | | | | |
| NOV 9 | CRT | I | 17 | 28 | 29,1 | E | 17 | 28 | 30,5 | | | | |
| NOV 10 | TOL | E* | 05 | 04 | 31 | | | | | | | | |
| | TOL | E | 12 | 12 | 36 | I | 12 | 13 | 0,4 | | | | |
| NOV 10 | ALI | E | 16 | 45 | 52,7 | I | 16 | 45 | 56,6 | 1,2 | 0,3 | | |
| | ALI | E | 21 | 25 | 00,3 | I | 21 | 25 | 4,0 | 1,6 | 0,3 | | |
| NOV 11 | ALI | I D | 00 | 08 | 07 | I | 0 | 8 | 10,8 | 0,3 | 0,4 | | |
| | ALI | E | 06 | 57 | 43,6 | I | 6 | 57 | 47,3 | 0,8 | 0,2 | | |
| NOV 11 | EBR | | | | | E | 12 | 18 | 19,0 | | | | |
| NOV 11 | LGR | 2 C | 14 | 29 | 53,2 | I | 14 | 29 | 59,7 | | | | |
| NOV 11 | MAL | I C | 15 | 15 | 45,2 | I | 15 | 15 | 46,2 | 0,4 | 0,3 | | |
| NOV 11 | EBR | | | | | E | 17 | 6 | 9,0 | | | | |
| | EBR | | | | | E | 17 | 36 | 48,0 | | | | |
| NOV 11 | TOL | E* | 18 | 18 | 18 | | | | | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| NOV | 14 | TOL | E* | 04 | 58 | 29 | | | | | | | | |
| | | TOL | E* | 11 | 37 | 00 | I | 11 | 37 | 7.0 | | | | |
| | | TOL | I* | 14 | 14 | 26 | I | 14 | 14 | 31.0 | | | | |
| | | TOL | E* | 16 | 36 | 35 | E | 16 | 36 | 39.0 | | | | |
| NOV | 15 | ERR | | | | | E | 7 | 50 | 32.0 | | | | |
| NOV | 15 | LGR | E | 10 | 19 | 34.6 | I | 10 | 19 | 41.1 | | | | |
| NOV | 15 | CRT | E | 11 | 32 | 28 | | | | | | | | |
| NOV | 15 | TOL | E | 11 | 37 | 04.2 | E | 11 | 37 | 25.0 | | | | |
| NOV | 15 | ALM | I | 13 | 09 | 01.3 | | | | | | | | |
| NOV | 15 | CRT | E | 14 | 46 | 48 | | | | | | | | |
| NOV | 15 | EBR | | | | | E | 17 | 8 | 57.0 | | | | |
| NOV | 16 | ERR | | | | | E | 12 | 25 | 55.0 | | | | |
| NOV | 16 | ALM | E | 16 | 09 | 18.3 | | | | | | | | |
| NOV | 16 | LGR | E | 17 | 25 | 12.6 | I | 17 | 25 | 33.1 | | | | |
| NOV | 17 | ERR | | | | | E | 15 | 16 | 40.0 | | | | |
| NOV | 17 | TOL | E* | 05 | 08 | 19.5 | | | | | | | | |
| | | TOL | | | | | E | 10 | 42 | 30.5 | | | | |
| NOV | 17 | CRT | E | 14 | 15 | 54 | E | 14 | 15 | 57.0 | | | | |
| | | MAL | E | 14 | 16 | 12 | E | 14 | 16 | 29.0 | | | | |
| NOV | 17 | TOL | E | 15 | 04 | 50.3 | I | 15 | 5 | 49.0 | | | | |
| NOV | 17 | ERR | E | 15 | 33 | 41 | E | 10 | 9 | 26.5 | | | | |
| NOV | 18 | ERR | | | | | E | 12 | 2 | 18.0 | | | | |
| NOV | 18 | LGR | E | 12 | 12 | 55 | I | 12 | 13 | 14.0 | | | | |
| NOV | 18 | TOL | E* | 13 | 26 | 45.5 | E | 13 | 26 | 59.0 | | | | |
| NOV | 18 | MAL | I C | 15 | 10 | 41 | I | 15 | 12 | 19.0 | 0.5 | 0.8 | | |
| NOV | 18 | TOL | E | 15 | 41 | 01.5 | I | 15 | 41 | 16.0 | | | | |
| NOV | 18 | ALM | I C | 16 | 12 | 44.6 | I | 16 | 12 | 52.2 | | | | |
| NOV | 21 | TOL | E* | 12 | 06 | 07 | I | 12 | 6 | 15.0 | | | | |
| | | TOL | E* | 15 | 06 | 22 | I | 15 | 6 | 34.3 | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| NOV | 21 | EHR | | | | | E | 14 | 6 | 27,0 | | | | |
| NOV | 22 | CRT | E | 02 | 20 | 29 | | | | | | | | |
| NOV | 22 | CRT | E | 07 | 58 | 10 | I | 7 | 58 | 14,0 | | | | |
| | | MAL | E | 07 | 58 | 15,5 | I | 7 | 58 | 24,0 | 0,2 | 0,5 | | |
| NOV | 22 | EBR | E | 12 | 08 | 26 | E | 12 | 8 | 20,5 | | | | |
| NOV | 23 | EBR | | | | | E | 12 | 8 | 58,0 | | | | |
| | | EBR | | | | | E | 15 | 20 | 39,0 | | | | |
| NOV | 23 | MAL | I C | 15 | 38 | 42 | I | 15 | 40 | 20,0 | 0,4 | 0,5 | | |
| NOV | 23 | EBR | E | 16 | 19 | 48 | E | 16 | 19 | 50,5 | | | | |
| NOV | 24 | TOL | E* | 05 | 06 | 43 | | | | | | | | |
| NOV | 24 | MAL | I D | 13 | 23 | 27 | I | 13 | 23 | 35,0 | 0,1 | 0,4 | | |
| | | TOL | E | 13 | 24 | 41 | E | 13 | 25 | 11,0 | | | | |
| NOV | 24 | MAL | I D | 13 | 25 | 22,8 | I | 13 | 25 | 29,5 | 0,1 | 0,5 | | |
| NOV | 24 | EBR | | | | | E | 15 | 24 | 32,0 | | | | |
| NOV | 24 | MAL | I D | 15 | 56 | 30 | I | 15 | 56 | 33,2 | 0,1 | 0,5 | | |
| NOV | 24 | CRT | E | 16 | 22 | 10 | | | | | | | | |
| | | CRT | E | 16 | 33 | 18 | | | | | | | | |
| NOV | 25 | ALM | I C | 16 | 19 | 50,2 | I | 16 | 19 | 50,8 | | | | |
| NOV | 26 | TOL | E* | 18 | 17 | 43 | | | | | | | | |
| NOV | 27 | EBR | | | | | E | 9 | 0 | 51,0 | | | | |
| NOV | 28 | EBR | | | | | E | 13 | 31 | 59,0 | | | | |
| NOV | 29 | TOL | E* | | | | F | 13 | 45 | 19,0 | | | | |
| NOV | 29 | MAL | I C | 15 | 15 | 30,2 | I | 15 | 15 | 31,8 | 0,2 | 0,5 | | |
| NOV | 29 | EBR | E | 16 | 19 | 59 | E | 16 | 20 | 5,0 | | | | |
| NOV | 29 | CRT | F | 16 | 35 | 29 | E | 16 | 35 | 36,0 | | | | |
| NOV | 30 | EBR | E | 07 | 51 | 25 | E | 7 | 51 | 20,0 | | | | |
| | | EBR | | | | | E | 9 | 3 | 36,0 | | | | |
| NOV | 30 | TOL | E* | 13 | 01 | 53 | E | 13 | 1 | 58,0 | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| NOV | 30 | ALM | I C | 17 | 29 | 47,3 | I | 17 | 29 | 57,7 | | | | |
| | | TOL | E* | 05 | 17 | 28 | | | | | | | | |
| DIC | 1 | EBR | | | | | E | 15 | 47 | 56,0 | | | | |
| DIC | 1 | LGR | E | 16 | 07 | 49,5 | I | 16 | 8 | 10,0 | | | | |
| DIC | 2 | TOL | E | 12 | 10 | 02 | I | 12 | 10 | 25,0 | | | | |
| DIC | 3 | EBR | | | | | E | 10 | 6 | 2,0 | | | | |
| | | EBR | E | 10 | 31 | 06,7 | E | 10 | 31 | 30,2 | | | | |
| DIC | 4 | MAL | E | 01 | 12 | 13 | E | 1 | 12 | 37,5 | | | | |
| DIC | 5 | TOL | E* | 05 | 16 | 26 | | | | | | | | |
| | | TOL | E* | 14 | 31 | 04,2 | I | 14 | 31 | 9,4 | | | | |
| DIC | 5 | ALI | E | 05 | 30 | 14,6 | E | 5 | 30 | 20,0 | 0,3 | 0,4 | | |

SENTIDO EN ALMORADI

| | | | | | | | | | | | | | |
|-----|---|-----|----|----|----|----|---|----|----|------|--|--|--|
| DIC | 5 | ALM | I* | 10 | 07 | 14 | | | | | | | |
| DIC | 5 | EBR | | | | | F | 10 | 36 | 5,0 | | | |
| DIC | 5 | ALM | I* | 10 | 40 | 17 | | | | | | | |
| | | ALM | I* | 11 | 09 | 44 | | | | | | | |
| | | ALM | I* | 11 | 51 | 44 | | | | | | | |
| | | ALM | I* | 12 | 45 | 00 | | | | | | | |
| | | ALM | I* | 13 | 14 | 30 | | | | | | | |
| | | ALM | I* | 13 | 44 | 07 | | | | | | | |
| | | ALM | I* | 14 | 17 | 09 | | | | | | | |
| | | ALM | I* | 14 | 46 | 57 | | | | | | | |
| DIC | 5 | TOL | | | | | E | 15 | 40 | 47,0 | | | |
| DIC | 5 | EBR | | | | | E | 15 | 57 | 20,5 | | | |
| DIC | 5 | ALM | I* | 16 | 19 | 54 | | | | | | | |
| | | ALM | I* | 16 | 42 | 15 | | | | | | | |
| DIC | 5 | EBR | | | | | E | 16 | 49 | 42,0 | | | |
| DIC | 5 | ALM | I* | 17 | 06 | 24 | | | | | | | |

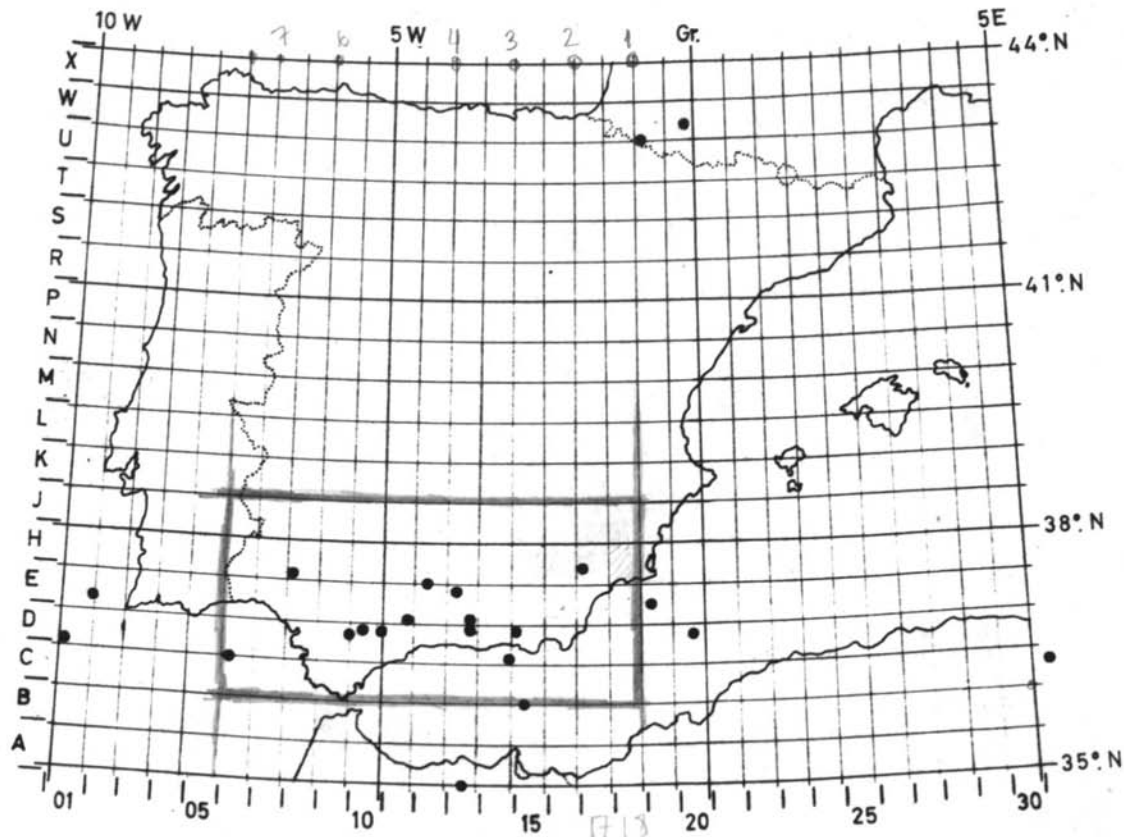
| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| DIC | 6 | ALM | I* | 09 | 32 | 02,1 | | | | | | | | |
| | | ALM | I* | 09 | 59 | 17,4 | | | | | | | | |
| | | ALM | I* | 10 | 30 | 42,2 | | | | | | | | |
| | | ALM | I* | 11 | 03 | 20,2 | | | | | | | | |
| | | ALM | I* | 11 | 36 | 12 | | | | | | | | |
| | | ALM | I* | 12 | 07 | 46,9 | | | | | | | | |
| DIC | 6 | EBR | | | | | E | 12 | 15 | 55,0 | | | | |
| DIC | 6 | ALM | I* | 12 | 30 | 42,4 | | | | | | | | |
| | | ALM | I* | 13 | 55 | 06 | | | | | | | | |
| DIC | 6 | TOL | E* | 14 | 23 | 18 | E | 14 | 23 | 22,0 | | | | |
| DIC | 6 | ALM | I* | 14 | 14 | 42,3 | | | | | | | | |
| DIC | 6 | LGR | E | 16 | 10 | 30,9 | I | 16 | 10 | 45,9 | | | | |
| DIC | 7 | EBR | E | 11 | 37 | 41 | E | 11 | 37 | 45,0 | | | | |
| DIC | 7 | LGR | E | 13 | 06 | 54,0 | I | 13 | 7 | 4,2 | | | | |
| | | LGR | I D | 14 | 06 | 33,9 | I | 14 | 6 | 41,1 | | | | |
| DIC | 7 | EBR | E | 14 | 42 | 31 | E | 14 | 42 | 43,0 | | | | |
| DIC | 9 | TOL | E* | 09 | 24 | 36 | I | 9 | 24 | 44,0 | | | | |
| | | TOL | E | 11 | 53 | 04 | I | 11 | 53 | 10,5 | | | | |
| DIC | 9 | ALM | I C | 14 | 55 | 53,1 | I | 14 | 56 | 8,6 | | | | |
| | | ALM | I | 15 | 41 | 32 | I | 15 | 41 | 39,0 | | | | |
| | | ALM | I D | 16 | 03 | 33 | I | 16 | 3 | 38,0 | | | | |
| DIC | 10 | TOL | E | 11 | 08 | 58 | E | 11 | 9 | 18,0 | | | | |
| DIC | 11 | TOL | E | 16 | 54 | 46 | E | 16 | 55 | 21,0 | | | | |
| DIC | 12 | TOL | E | 05 | 26 | 03 | E | 5 | 27 | 3,0 | | | | |
| DIC | 12 | EBR | | | | | E | 12 | 33 | 30,0 | | | | |
| DIC | 12 | TOL | E | 13 | 12 | 47 | | | | | | | | |
| DIC | 13 | EBR | | | | | E | 12 | 9 | 42,0 | | | | |
| | | EBR | | | | | E | 12 | 24 | 55,0 | | | | |
| DIC | 13 | TOL | E | 13 | 48 | 55 | I | 13 | 49 | 0,2 | | | | |
| DIC | 13 | LGR | I C | 16 | 56 | 30,2 | I | 16 | 56 | 41,2 | | | | |
| DIC | 14 | LGR | E | 16 | 30 | 31,5 | I | 16 | 30 | 42,5 | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| DIC | 15 | TOL | E* | 05 | 13 | 34,5 | | | | | | | | |
| DIC | 16 | TOL | E | 04 | 32 | 11 | E | 4 | 32 | 34,0 | | | | |
| | | TOL | E* | 11 | 26 | 16,5 | | | | | | | | |
| DIC | 16 | TOL | E* | 12 | 50 | 28, | E | 12 | 50 | 34,0 | | | | |
| DIC | 16 | ALM | I* | 13 | 21 | 23 | | | | | | | | |
| DIC | 16 | TOL | E* | 14 | 33 | 55 | I | 14 | 33 | 59,8 | | | | |
| DIC | 16 | LGR | I C | 16 | 56 | 24 | I | 16 | 56 | 34,7 | | | | |
| DIC | 17 | EBR | E | 10 | 51 | 10,5 | E | 10 | 51 | 14,0 | | | | |
| | | EBR | | | | | E | 12 | 40 | 12,0 | | | | |
| DIC | 20 | EBR | | | | | E | 9 | 46 | 25,0 | | | | |
| DIC | 20 | LGR | I D | 12 | 42 | 55,2 | I | 12 | 43 | 3,3 | 0,1 | 0,7 | | |
| DIC | 21 | ERR | | | | | E | 10 | 58 | 55,0 | | | | |
| | | ERR | | | | | E | 11 | 35 | 6,0 | | | | |
| DIC | 21 | TOL | E | 14 | 29 | 24,8 | E | 14 | 29 | 29,0 | | | | |
| DIC | 21 | ERR | | | | | E | 14 | 34 | 16,0 | | | | |
| DIC | 21 | ALM | I* | 16 | 33 | 08 | | | | | | | | |
| DIC | 21 | ERR | | | | | E | 16 | 41 | 26,0 | | | | |
| DIC | 22 | TOL | E | 05 | 07 | 40,2 | | | | | | | | |
| DIC | 22 | ERR | | | | | E | 11 | 50 | 32,0 | | | | |
| DIC | 22 | TOL | E | 13 | 20 | 39 | E | 13 | 20 | 52,0 | | | | |
| DIC | 22 | LGR | E | 14 | 44 | 47 | I | 14 | 45 | 3,4 | | | | |
| DIC | 22 | ERR | E | 16 | 35 | 34 | E | 14 | 1 | 24,0 | | | | |
| DIC | 23 | LGR | E | 11 | 15 | 01,4 | I | 11 | 15 | 20,9 | | | | |
| DIC | 23 | ERR | | | | | E | 11 | 56 | 51,0 | | | | |
| DIC | 23 | TOL | E* | 12 | 44 | 45,2 | I | 12 | 44 | 50,2 | | | | |
| DIC | 24 | LGR | I D | 12 | 18 | 39 | I | 12 | 18 | 47,3 | 0,2 | 0,4 | | |
| DIC | 26 | TOL | E* | 04 | 47 | 28 | | | | | | | | |

| MES | DIA | STA | PRK | P | | | SRM | S | | | AMP | PER | STA-COR | DUR |
|-----|-----|-----|-----|----|----|------|-----|----|----|------|-----|-----|---------|-----|
| | | | | H | M | S | | H | M | S | | | | |
| DIC | 26 | EBR | E | 05 | 36 | 12 | E | 5 | 36 | 16,5 | | | | |
| | | ERR | E | 06 | 34 | 22 | E | 6 | 34 | 27,5 | | | | |
| DIC | 26 | TOL | E | 14 | 51 | 57 | E | 14 | 52 | 28,3 | | | | |
| | | TOL | E | 22 | 27 | 43,2 | E | 22 | 28 | 42,5 | | | | |
| DIC | 27 | LGR | E | 11 | 43 | 54,8 | I | 11 | 44 | 13,8 | | | | |
| DIC | 27 | TOL | E* | 14 | 53 | 38,5 | I | 14 | 53 | 43,0 | | | | |
| DIC | 27 | EBR | | | | | E | 15 | 10 | 13,0 | | | | |
| DIC | 28 | EBR | E | 09 | 44 | 11 | E | 9 | 44 | 16,0 | | | | |
| | | FBR | E | 10 | 32 | 16 | E | 10 | 32 | 19,0 | | | | |
| DIC | 28 | ALM | I | 14 | 35 | 39,7 | I | 14 | 35 | 41,9 | | | | |
| DIC | 28 | EBR | E | 16 | 09 | 21 | E | 16 | 9 | 24,0 | | | | |
| DIC | 28 | LGR | I D | 19 | 43 | 40,6 | I | 19 | 43 | 54,6 | | | | |
| DIC | 28 | TOL | E | 23 | 42 | 14 | E | 23 | 42 | 40,0 | | | | |
| DIC | 29 | EBR | E | 15 | 30 | 46 | E | 15 | 30 | 49,5 | | | | |
| DIC | 30 | EBR | | | | | E | 12 | 44 | 38,5 | | | | |
| DIC | 30 | ALM | I C | 17 | 26 | 25,2 | I | 17 | 26 | 25,8 | | | | |

INSTITUTO GEOGRAFICO NACIONAL

Sección de Sismología e Ingeniería Sísmica



Epicentros localizados en Enero-Diciembre 1977

- RESUMEN DEL AÑO 1977 -

| | |
|--|-------|
| SISMOS LOCALIZADOS..... | 26 |
| Superficiales ($h \leq 10$ km) | 4 |
| Normales ($10 \leq h \leq 50$ km) | 22 |
| Intermedios ($70 \leq h \leq 300$ km) | 0 |
| Profundos ($h > 300$ km) | 0 |
| SISMOS NO LOCALIZADOS | 1.458 |
| TOTAL DE SISMOS REGISTRADOS | 1.484 |

MAPA DE EPICENTROS 1977

SIMBOLOS UTILIZADOS

| MAGNITUD | PROFUNDIDAD | | |
|---------------------|-------------|----------------|-----------|
| | $h < 50$ | $50 < h < 300$ | $h > 300$ |
| $m < 5$ | ● | ▽ | ▲ |
| $5 \leq m \leq 6,5$ | ● | ▽ | ▲ |
| $m > 6,5$ | ● | ▽ | ▲ |