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 1978

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 ESPANOLES 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.

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ORGANIZACION Y METODOS DE LA RED SISMOLOGICA

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

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

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

EXISTE UN INTERCAMBIO DE DATOS CON OTROS CENTROS REGIONALES A LOS CUALES LA SSIS SUMINISTRA INFORMACION.EL ENLACE CON TODOS LOS CENTROS 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 MB>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 HYPO71 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 BOULDER(NEIS). EN EL CASO DE ESTUDIOS DE MICROSISMICIDAD SE HA OBTENIDO UNA EXPRESION EN FUNCION DE LA DURACION, DE TAL FORMA QUE COINCIDA EN EL RANGO DE MAGNITUDES COMUN CON LA MB DEDUCIDA A PARTIR DE LA ONDA LG. EN ESTOS CASOS LA MAGNITUD VIENE REPRESENTADA COMO ML.

LOS PARAMETROS QUE APARECEN EN ESTE BOLETIN SON LOS SIGUIENTES

A. DATOS DE ESTACIONES.

STA	ABREVIATURA DE LA ESTACION
PRK	INDICA EL CARACTER DE P (E=EMERGENTE, I=IMPULSION), TIENE EN CUENTA EL PESO ASIGNADO A LA LECTURA(BLANCO=PESO TOTAL) Y 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 ESTANDARD DEL EPICENTRO EN KM
ERZ ERROR ESTANDARD DE LA PROFUNDIDAD EN KM
NES NUMERO DE LECTURAS DE P Y S UTILIZADAS
IO INTENSIDAD MAXIMA EN EL EPICENTRO
* INFORMACION MACROSISMICA

C. DATOS AGENCIAS

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

NOTA: EN EL PRESENTE ANO SE ESTA PROCEDIENDO A UNA CALIBRACION DE LOS EQUIPOS QUE COMPONEN LA RED SISMOLOGICA NACIONAL. ASIMISMO SE ESTAN INSTALANDO NUEVAS ESTACIONES TELEMETRICAS EN DISTINTOS OBSERVATORIOS. LAS CARACTERISTICAS TANTO DE CALIBRACION COMO DE LAS NUEVAS ESTACIONES SERAN INCLUIDOS EN EL PROXIMO BOLETIN

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
ENE	01	STS	I	05	36	04.0	I	5	36	13.0				
ENE	02	STS	I	05	40	31.0	I	5	41	23.0				
ENE	02	EBR					E	14	39	15.0				
ENE	02	LGR	E	14	46	17.5	I	14	46	24.0				
ENE	02	TOL	E	15	20	13.0	E	15	20	31.0				

SPGM 02-ENE-1978 H/M/S= 15-18-20.0
LAT N= 36-18.0 LONG W= 00-42.0 PROF= 33.0 KM MAG=
RMS= ERH= KM ERZ= KM NES= 6 IO=

MEDITERRANEO

ENE	03	EBR					E	12	45	26.0				
ENE	03	LGR	E	14	19	27.5	I	14	19	48.0				
ENE	04	EBR					E	8	57	16.0				
		EBR					E	11	38	36.0				
		EBR	E	13	46	33.0	E	13	46	35.0				
ENE	05	EBR	E	01	13	14.5	E	1	13	51.0				
		LGR	I	01	12	52.4	I	1	13	11.8				

CSEM 05-ENE-1978 H/M/S= 01-12-25.8
LAT N= 43- 9.6 LONG W= 00-47.4 PROF= KM MAG= 3.4
RMS= 0.4 ERH= 5.1 KM ERZ= KM NES= 16 IO=
LDG 05-ENE-1978 H/M/S= 01-12-24.9
LAT N= 43- 6.0 LONG W= 00-48.0 PROF= 5.0 KM MAG= 3.4
RMS= EPH= KM ERZ= KM NES= IO=

ARAMITS-FRANCIA
SENTIDO V-VI EN ARETTE
V EN MONTORY,LANNE Y TARDETS (PIST)

ENE	05	EBR					E	10	49	39.0				
		EBR					E	10	57	33.0				
		EBR	E	11	51	47.5	E	11	51	49.5				
ENE	05	LGR	E	12	48	39.4	I	12	48	59.3				

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
ENE 07	SFS	I	09 25 36.0	I	9 25 56.0				
	CRT	I	09 25 30.2	E	9 25 58.9				
	TOL	E	09 25 42.0	I	9 26 11.0	0.4	0.8		
	NKM	I	09 25 39.0	I	9 26 7.0				
	LIS	D	09 25 44.6		9 26 27.4				
	MTE	I	09 25 42.0	I	9 26 22.5				
	COI	I D	09 25 46.3	I	9 26 20.3				
	ALM	I C	09 25 49.9			4.0	0.7		
	PTO	I D	09 25 55.9	I	9 26 37.3				
	IFR	I	09 26 10.0	I	9 27 5				
	AVE	I	09 26 14.0	I	9 27 9.5				
	LGR	E	09 26 24.9	I	9 27 29.3				
	STS	E	09 26 14.3	I	9 27 41.7	9.0	0.8		
	EBR		09 26 22.5		9 27 57.0				
	HAD	I	09 26 30.5	I	9 27 38.0				
	EPF		09 26 37.8		9 27 49.2				
	BME	I	09 26 44.0	I	9 28 1.0				
	TIO	I	09 26 45.0	I	9 28 4.0				
	LFF		09 27 00.3		9 28 24.0				
	LPO		09 27 00.2		9 28 23.9				
	SSIS	07-ENE-1978	H/M/S= 09-25- 2.4						
		LAT N= 38- 2.7	LONG W= 05-50.6	PROF= 40.0 KM	MAG= 3.9				
		RMS= 3.4	ERH= 17.2 KM	ERZ= KM	NES= 15	IO=			
	CSEM	07-ENE-1978	H/M/S= 09-25- 4.0						
		LAT N= 38-22.8	LONG W= 05-48.6	PROF= KM	MAG=				
		RMS= 0.4	ERH= 5.8 KM	ERZ= KM	NES= 14	IO=			
	LDG	07-ENE-1978	H/M/S= 09-25- 6.1						
		LAT N= 38-42.0	LONG W= 05-48.0	PROF= KM	MAG= 3.7				
		RMS=	ERH=	KM ERZ= KM	NES=	IO=			
	SPGM	07-ENE-1978	H/M/S= 09-25- 2.0						
		LAT N= 37-48.0	LONG W= 05-36.0	PROF= KM	MAG=				
		RMS=	ERH=	KM ERZ= KM	NES=	IO=			
	GUADALCANAL-SE								
ENE 07	LGR	I D	12 26 46.0	I	12 27 0				
ENE 07	EBR			E	13 7 22.5				
	EBR			E	15 23 41.0				
ENE 08	ALI	I C	07 23 03.0	I	7 23 7.0	2.2	0.4		
	TOL	E	07 24 15.5	I	7 24 42.0				
ENE 09	EBR			E	11 17 46.0				
	EBR			E	14 39 41.0				
ENE 09	STS	I	13 44 21.0						

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
ENE	09	CRT	E	15	17	47.2								
ENE	09	ALM	E	16	20	03.0	I	16	20	7.8				
ENE	09	LGR	E	17	03	55.9	E	17	4	4.2				
ENE	10	CRT	E	02	49	57.5								
ENE	10	STS	I	09	12	01.0								
ENE	10	CRT	E	14	00	19.0								
ENE	10	EBR					E	14	59	36.0				
ENE	10	ALM	I C	15	39	56.8	I	15	40	4				
ENE	11	EBR	E	09	15	42.0	E	9	15	44.0				
ENE	11	EBR	E	15	14	36.0	E	15	14	38.0				

LDG 12-ENE-1978 H/M/S= 04-35- 9.6
LAT N= 42-48.0 LONG E= 01-48.0 PROF= 5.0 KM MAG= 3.0
RMS= ERH= KM ERZ= KM NES= IO=

FOIX-FRANCIA

ENE	12	ALM	I D	09	40	02.5	I	9	40	3.2				
ENE	12	ALM	I D	23	21	14.3	I	23	21	16.1				

LDG 14-ENE-1978 H/M/S= 00-54-15.5
LAT N= 42-54.0 LONG E= 01-54.0 PROF= KM MAG= 2.6
RMS= ERH= KM ERZ= KM NES= IO=

FOIX-FRANCIA

ENE	14	CRT	E	03	38	29.0								
ENE	14	ALM	E	03	42	18.4	E	3	42	34.6				
ENE	15	ALM	I C	04	40	19.7	I	4	40	24.1				
ENE	16	ALM	I D	03	29	31.7	I	3	30	22.3				
		CRT	I	03	29	33.4								
ENE	16	STS	I	13	33	17.0								
ENE	16	EBR					I	15	4	2.0				

				P				S						
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
ENE	17	STS	I	06	33	18.5								
ENE	17	EBR	E	13	17	53.0	I	13	17	56.0				
ENE	17	STS	E	13	18	29.0								
ENE	17	EBR					E	16	16	11.0				
ENE	17	LGR	I C	16	51	24.2	I	16	51	33.2				
ENE	17	CRT	E	16	57	24.5								
ENE	17	STS	I	22	45	41.5	I	22	45	54.5				
ENE	18	EBR					E	13	12	35.0				
		EBR					E	20	8	24.0				
ENE	18	STS	I	22	35	17.0								
ENE	19	STS	I	11	57	41.0	I	11	57	56.0				

LDG 20-ENE-1978 H/M/S= 23-47- 4.1
LAT N= 43- 6.0 LONG W= 00-30.0 PROF= 25.0 KM MAG= 2.7
RMS= ERH= KM ERZ= KM NES= IO=

PAU-FRANCIA

ENE	21	EBR					E	10	53	32.0				

SPGM 22-ENE-1978 H/M/S= 04-49-23.0
LAT N= 36-18.0 LONG W= 09-30.0 PROF= 33.0 KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

SW C S VICENTE-ATLANTICO

ENE	23	STS	I	04	43	03.0								
ENE	23	ALM	I C	09	40	46.0	I	9	40	46.6				
		ALM	I C	10	54	56.4	I	10	54	57.2				
ENE	23	CRT	E	16	59	02.0								
ENE	24	EBR		15	47	30.0	I	15	48	7.0				
ENE	24	ALM	I D	15	57	51.5	I	15	57	55.1				
ENE	25	ALM	I C	16	25	29.1	I	16	25	29.2				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
ENE	25	STS	I	23	38	10.8								
		SPGM		26-ENE-1978		H/M/S= 02-23- 8.0								
				LAT N= 35-36.0		LONG W= 10- 0.0				PROF= 33.0 KM			MAG=	
				RMS=		ERH=		KM	ERZ=	KM	NES=		IO=	
		SW C S VICENTE-ATLANTICO												
ENE	26	CRT	E	13	22	28.1								
ENE	26	ALM	I C	13	22	13.2	I	13	22	18.7				
		ALM	E	17	01	39.9	I	17	1	41.0				
ENE	26	LGR	E	17	09	40.2	I	17	9	55.1				
ENE	27	LGR	E	13	30	16.5	I	13	30	23.0				
ENE	27	EBR					E	13	32	31.0				
ENE	27	CRT	E	17	52	18.6	E	17	52	25.3				
ENE	27	EBR					E	23	22	45.0				
		LOG		27-ENE-1978		H/M/S= 23-21-44.8								
				LAT N= 42-48.0		LONG E= 00-48.0				PROF= 10.0 KM			MAG=	3.3
				RMS=		ERH=		KM	ERZ=	KM	NES=		IO=	
		VIELLA-L												
ENE	28	TAF	I	22	55	19.0								
		ALM	I C	22	55	25.3	I	22	55	32.5				
		CRT	I	22	55	43.1								
		ALI	E	22	55	52.5	E	22	56	17.0				
		TOL	E	22	56	19.5	E	22	57	3.5	0.2	0.8		
		SSIS		28-ENE-1978		H/M/S= 22-55- 4.8								
				LAT N= 35-22.9		LONG W= 01-51.5				PROF= 40.0 KM			MAG=	3.9
				RMS= 2.7		ERH= 4.8	KM	ERZ=		KM	NES= 5		IO=	
		N NEMOURS-MEDITERRANEO												
ENE	29	ALM	E	10	28	40.3	I	10	29	12.7				
		CRT	E	10	28	56.6								
ENE	30	CRT	E	13	48	35.8								
		CRT	E	14	49	56.3								

				P				S					
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
ENE	31	CRT	E	02	13	38.0								
		CRT	E	11	57	26.7								
ENE	31	CRT	E	13	13	19.7								
		TOL	E	13	14	25.0	I	13	14	50.5				
ENE	31	CRT	E	15	53	39.1								
		CRT	E	15	57	04.8								
FEB	02	CRT	E	14	45	48.2								
FEB	03	LGR	E	13	17	49.5	I	13	18	9.5				
FEB	03	CRT	E	13	25	12.2	E	13	25	19.1				
		CRT	E	15	14	05.6								
FEB	03	STS	I	22	38	40.5								
FEB	04	TOL	E	18	29	42.0								
FEB	04	STS	E	20	17	50.0								
FEB	05	STS	E	12	39	37.8								
FEB	06	CRT	E	10	37	41.0								
FEB	06	ALM	E	13	11	03.9								
FEB	06	STS	I	13	22	08.8								
FEB	06	LGR	E	13	28	30.0	I	13	28	37.7				
FEB	06	CRT	E	14	13	12.0								
FEB	06	LGR	I	16	52	26.0	I	16	52	31.5				
FEB	07	TOL	E	01	41	54.0	E	1	43	40.0				
FEB	07	CRT	E	12	43	27.0								
FEB	07	STS	I	15	57	18.0								
FEB	07	ALM	I D	15	57	40.5	I	15	57	43.6				
FEB	07	CRT	E	16	01	46.8	E	16	2	2				
FEB	08	CRT	E	12	22	41.6	E	12	22	46.0				
		CRT	E	14	00	12.0								
FEB	08	ALM	I C	16	12	10.9								

				P			S					
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
FEB	08	CRT	E	16	17	17.6								
FEB	08	LGR	I C	16	21	06.8	I	16	21	12.2				
		LGR	E	16	55	05.0	I	16	55	11.5				
FEB	08	STS	I	19	06	39.5								
FEB	08	CRT	E	20	44	09.7	I	20	44	10.5				
FEB	08	CRT	E	21	44	13.6								
		TOL	E	21	44	50.0	E	21	46	20.0				

SPGM 09-FEB-1978 H/M/S= 10-54-15.5
LAT N= 36- 6.0 LONG W= 09-36.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

SW C S VICENTE-ATLANTICO

FEB	09	CRT	E	12	34	15.6	E	12	34	21.4				

SPGM 09-FEB-1978 H/M/S= 14-52-56.0
LAT N= 35-36.0 LONG W= 03- 6.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

N MELILLA-ALBORAN

FEB	09	CRT	E	22	43	12.7								
FEB	09	CRT	E	22	54	06.6								
		ALM	E	22	54	11.9	I	22	54	20.2				
		TOL	E	22	54	49.0	E	22	55	5.0		0.6		

SSIS 09-FEB-1978 H/M/S= 22-53-59.0
LAT N= 37-42.0 LONG W= 02-32.0 PROF= KM MAG= 3.0
RMS= ERH= KM ERZ= KM NES= IO= IV

ORCE-GR
LOCALIZADO CON INFORMACION MACROSISMICA

IMGP 10-FEB-1978 H/M/S= 00-55-57.0
LAT N= 40-54.0 LONG W= 09- 6.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

SW DE PORTO-ATLANTICO

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
		SPGM		10-FEB-1978 H/M/S= 07-20-29.0										
				LAT N= 35-24.0 LONG W= 03- 9.0 PROF= KM MAG=										
				RMS= ERH= KM ERZ= KM NES= IO=										
		W DE MELILLA-ALBORAN												
FEB	11	STS	I	16	13	55.0								
		STS	I	16	44	45.0								
FEB	12	TAF	I	09	33	50.0								
		ALM	I D	09	34	09.4	I	9	34	40.1				
		IFR	I	09	34	21.5	I	9	34	48.0				
		CRT	E	09	34	21.2								
		HAD	E	09	34	27.0								
		OFD	E	09	34	43.0								
		AVE	E	09	34	42.0	I	9	35	28.0				
		TOL	E	09	34	59.5	E	9	36	12.5		0.8		
		SSIS		12-FEB-1978 H/M/S= 09-33-41.9										
				LAT N= 34-48.9 LONG W= 02-53.6 PROF= 40.0 KM MAG= 3..										
				RMS= 2.8 ERH= KM ERZ= KM NES= 8 IO=										
		SPGM		12-FEB-1978 H/M/S= 09-33-38.0										
				LAT N= 35- 0.0 LONG W= 03-19.8 PROF= KM MAG=										
				RMS= ERH= KM ERZ= KM NES= IO=										
		ZAIO-MARRUECOS												
FEB	12	ALM	I	13	12	51.8	I	13	13	18.5				
		CRT	E	13	12	58.5								
		IFR	I	13	12	55.2								
		HAD	I	13	13	14.0	I	13	13	56.0				
		RBZ	I	13	13	12.0	E	13	13	48.0				
		OFD	E	13	13	22.0								
		TOL	E	13	13	39.0	E	13	14	51.0		0.8		
		SSIS		12-FEB-1978 H/M/S= 13-12-21.4										
				LAT N= 35- 0.5 LONG W= 03- 5.8 PROF= 10.0 KM MAG= 3.2										
				RMS= 1.7 ERH= 18.9 KM ERZ= KM NES= 7 IO=										
		SPGM		12-FEB-1978 H/M/S= 13-12-18.5										
				LAT N= 35-24.0 LONG W= 04- 6.0 PROF= KM MAG=										
				RMS= ERH= KM ERZ= KM NES= IO=										
		MONTE ARRUIT-MARRUECOS												
FEB	13	TOL	E D	07	45	55.0								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
FEB	13	STS	E	09	15	04.0								
		STS	E	12	21	27.0								
FEB	13	EBR					E	12	47	27.0				
FEB	13	EBR					E	14	5	43.0				
FEB	13	TOL	E D	17	30	08.0	I	17	30	45.0				
FEB	13	CRT	E	15	35	02.6								
FEB	13	TOL	E D	18	31	51.0								
FEB	14	EBR	E	01	34	18.0	E	1	34	22.0				
		EBR					E	11	1	1.0				
		EBR	E	12	37	08.0	E	12	37	11.0				
FEB	14	TOL					E	15	29	6.0				
FEB	14	CRT	E	15	49	43.5								
		CRT	E	16	42	05.5								
FEB	14	ALM	I D	17	17	33.3	I	17	17	35.3				
FEB	14	EBR	E				E	18	7	56.0				

LDG 14-FEB-1978 H/M/S= 18-06-22.3
LAT N= 43-24.0 LONG W= 00-36.0 PROF= KM MAG= 3.0
RMS= ERH= KM ERZ= KM NES= IO=

PAU-FRANCIA

FEB	14	EBR		23	36	32.0								
FEB	15	TOL	E	03	24	27.5								
FEB	15	EBR	E	09	58	20.0		9	58	22.0				
		EBR					E	10	53	58.0				
FEB	15	STS	I	11	02	12.5								
FEB	15	EBR					E	15	15	14.0				
		EBR					E	15	28	51.0				
FEB	15	CRT	E	15	37	38.0								
		CRT	E	15	41	36.1								
FEB	16	CRT	I	03	58	57.0								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
FEB	16	EBR		03	59	21.0								
		EBR					E	9	47	22.0				
		EBR					E	11	56	19.0				
FEB	16	CRT	E	15	04	03.6								
FEB	16	ALM	I C	15	26	21.0	I	15	26	24.0				
FEB	16	CRT	E	16	16	47.2	E	16	16	56.1				
FEB	16	FAR	I	23	23	11.0	I	23	23	21.0				
		RBZ	I	23	23	40.0	I	23	24	8.0				
		LIS	E	23	23	46.0								
		IFR	I	23	23	53.0	I	23	24	29.5				
		CRT	E	23	24	01.2								
		COI	E	23	24	00.3	I	23	24	43.2				
		MTE	I	23	24	02.0	I	23	24	47.0				
		TOL	E	23	24	09.0	I	23	24	59.5	0.5			
		PTO		23	24	13.2		23	25	5.2				
		HAD	I	23	24	16.2	I	23	25	11.4				
		BME	I	23	24	20.5	I	23	25	18.5				
		STS	I C	23	24	45.2								

SSIS 16-FEB-1978 H/M/S= 23-22-58.2
LAT N= 36-12.5 LONG W= 07-58.2 PROF= 1.0 KM MAG= 3.5
RMS= 2.6 ERH= KM ERZ= KM NES= 11 IO=

SPGM 16-FEB-1978 H/M/S= 23-23- 5.0
LAT N= 35-54.0 LONG W= 07-12.0 PROF= 0.0 KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

GOLFO DE CADIZ

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
FEB 17	EPF		02 34 34.4						
	LGR	I C	02 34 43.3	E	2 35 ?.1	0.7	0.7		
	LPO		02 34 51.8						
	EBR	E	02 35 04.0	E	2 35 37.0				
	FBR	I	02 35 03.5	I	? 35 45.6				
	LSF		02 35 10.4						
	TCF		02 35 13.8						
	MZF		02 35 15.0						
	AVF		02 35 26.4						
	LPF		02 35 28.4						
	SMF		02 35 28.0						
	SSF		02 35 28.9						
	LBF		02 35 31.2						
	ALI	E	02 35 30.3						
	LOR		02 35 34.0						
	GRR		02 35 33.1						
	SSC		02 35 36.6						
	LRG		02 35 35.6						
	FLN		02 35 38.8						
	SPF		02 35 38.8						
	MTE	E	02 35 39.9	I	2 36 40.4				
	PTO		02 35 46.1		2 36 48.7				
	COI	E	02 35 51.6	E	2 36 56.4				
	CRT	E	02 35 50.0						

SSIS 17-FEB-1978 H/M/S= 02-34-17.4
LAT N= 43-23.1 LONG W= 00-53.9 PROF= 10.0 KM MAG= 4.3
RMS= 1.5 ERH= 6.4 KM ERZ= KM NES= 22 IO=

CSEM 17-FEB-1978 H/M/S= 02-34-18.8
LAT N= 43-18.0 LONG W= 00-54.0 PROF= KM MAG=
RMS= 0.1 ERH= 2.3 KM ERZ= KM NES= 35 IO=

LDG 17-FEB-1978 H/M/S= 02-34-17.7
LAT N= 43-12.0 LONG W= 00-54.0 PROF= 10.0 KM MAG= 4.1
RMS= ERH= KM ERZ= KM NES= 35 IO=

MAULEON LICHARRE-FRANCIA
SENTIDO V-VI EN HASPARREN
V EN ST JEAN PIED DE PORT
IV EN ARETTE
III EN MONTORY,LANNE Y TARDETS (PIST)
EN ELIZONDO-NAVARRA (TOL)

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
FEB 17	EBR	E	04 34 25.0						
	STS	E	04 35 17.6						
	CSEM		17-FEB-1978 H/M/S= 04-33-41.1						
			LAT N= 43-12.0 LONG W= 00-54.0 PROF= KM MAG= 3.6						
			RMS= 0.4 ERH= 6.3 KM ERZ= KM NES= 18 IO=						
	LDG		17-FEB-1978 H/M/S= 04-33-41.2						
			LAT N= 43-12.0 LONG W= 00-48.0 PROF= 10.0 KM MAG= 3.6						
			RMS= ERH= KM ERZ= KM NES= IO=						
	MAULEON LICHARRE-FRANCIA								
	SENTIDO IV EN MONTORY,LANNE Y TARDETS (PIST)								
	REPLICA DEL SISMO DEL DIA 17 DE FEBRERO DE 1978 A LAS 02H34M								
FEB 17	TOL	E	11 28 58.5	I	11 29 5.0				
FEB 17	CRT	E	13 53 40.6						
FEB 17	EBR			E	15 9 13.0				
FEB 17	CRT	E	15 20 55.6	E	15 21 1.5				
FEB 17	TOL	E	15 29 47.0						
FEB 17	TOL	E	16 16 11.0						
	CRT	E	16 15 40.5						
FEB 17	EBR		19 39 59.0	E	19 40 33.0				
	LGR	I C	19 39 32.2	I	19 39 49.5	0.3	0.4		
	CSEM		17-FEB-1978 H/M/S= 19-39- 9.1						
			LAT N= 43-18.0 LONG W= 00-48.0 PROF= KM MAG= 3.2						
			RMS= 0.4 ERH= 5.5 KM ERZ= KM NES= 16 IO=						
	LDG		17-FEB-1978 H/M/S= 19-39- 7.7						
			LAT N= 43-12.0 LONG W= 00-48.0 PROF= 5.0 KM MAG= 3.2						
			RMS= ERH= KM ERZ= KM NES= IO=						
	MAULEON LICHARRE-FRANCIA								
	SENTIDO III EN MONTORY (PIST)								
FEB 18	CRT	E	06 31 14.9						
FEB 18	EBR			E	10 12 21.0				
FEB 19	TOL	E	16 57 10.0						
FEB 19	CRT	E	20 43 33.3						

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
FEB	20	CRT	E	04	50	31.6								
		LDG		20-FEB-1978		H/M/S= 10-14- 4.4								
				LAT N= 42-48.0		LONG E= 00-24.0		PROF= 25.0 KM					MAG= 2.6	
				RMS=		ERH=		KM ERZ=			KM	NES=	IO=	
		BAGNERES DE LUCHON-FRANCIA												
FEB	20	EBR					E	12	47	18.0				
		EBR		11	38	24.2	E	11	38	26.6				
		EBR		13	03	40.2	E	13	3	42.6				
FEB	20	LGR	I C	17	12	00.5	I	17	12	12.0				
FEB	21	CRT	E	00	17	49.1								
FEB	21	STS	I	01	42	47.6								
FEB	21	CRT	E	07	32	01.5								
		CRT	E	15	23	02.3								
		CRT	I C	18	03	28.3	I	18	3	34.2				
FEB	22	STS	I	10	04	52.7		10	4	57.6				
FEB	22	LGR	E	13	48	38.2	I	13	48	45.4				
FEB	22	STS	E	15	02	14.5								
FEB	22	ALM	I D	15	02	32.8	I	15	2	35.3				
		CRT	E	15	02	45.9								
FEB	22	CRT	E	19	57	38.2								
FEB	22	CRT	E	20	26	59.7								
FEB	23	EBR		11	21	12.0	E	11	21	15.0				
		LDG		23-FEB-1978		H/M/S= 11-44-44.9								
				LAT N= 43- 0.0		LONG E= 00- 0.0		PROF=			KM		MAG= 2.7	
				RMS=		ERH=		KM ERZ=			KM	NES=	IO=	
		LOURDES-FRANCIA												
		LDG		23-FEB-1978		H/M/S= 16-01-28.7								
				LAT N= 43- 0.0		LONG E= 00-12.0		PROF= 10.0 KM					MAG= 2.8	
				RMS=		ERH=		KM ERZ=			KM	NES=	IO=	
		BAGNERES DE BIGORRE-FRANCIA												

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
FEB	23	CRT	E	17	12	30.6								
		CRT	E	23	33	49.8								
FEB	24	CRT	I	07	10	37.0								
FEB	24	EBR		15	14	21.0	E	15	14	25.0				
FEB	24	ALM	I D	16	16	55.6	I	16	17	7.8				
FEB	25	STS	I	05	53	25.0								
FEB	25	CRT	E	11	15	46.9								
FEB	25	STS	I	16	32	15.0								

LDG 26-FEB-1978 H/M/S= 02-13-26.6
LAT N= 43- 0.0 LONG E= 00-12.0 PROF= 10.0 KM MAG= 2.7
RMS= ERH= KM ERZ= KM NFS= IO=

BAGNERES DE BIGORRE-FRANCIA

FEB	27	CRT	E	00	57	28.6								
		STS	E	00	59	47.4								
FEB	27	ALI	E	02	35	30.3								
FEB	27	EBR		06	19	35.5	E	6	19	37.5				
FEB	27	EBR		12	59	27.5	E	12	59	30.0				
FEB	28	EBR		11	47	37.0	E	11	47	42.0				
		EBR					E	12	1	14.0				
FEB	28	ALM	I C	15	14	09.9	I	15	14	14.0				
MAR	01	EBR						10	34	24.0				
		EBR						10	47	33.0				
MAR	01	CRT	E	13	32	29.4								
MAR	01	LGR	E	17	28	10.7	E	17	28	25.6				
MAR	01	ALI	E	18	14	37.0	I	18	14	39.0	0.8	0.4		
MAR	02	EBR	E	11	14	39.0								

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
	SPGM		02-MAR-1978 H/M/S= 14-25-19.0						
			LAT N= 35-54.0 LONG W= 07-30.0 PROF= KM MAG=						
			RMS= ERH= KM ERZ= KM NES= IO=						
	GOLFO DE CADIZ								
MAR 02	ALM	I D	15 30 44.3	I	15 30 47.1				
MAR 04	ALM	E	04 53 52.8	I	4 53 59.6				
MAR 04	LGR	I C	13 05 27.7	I	13 5 34.1				
MAR 05	CRT	E	20 08 31.0	E	20 8 47.8				
	MAL	E	20 08 42.0						
	ALM	I D	20 08 55.6	I	20 8 56.5				
	TOL	E	20 08 54.5	I	20 9 17.0	0.2	0.7		
	SSIS		05-MAR-1978 H/M/S= 20-08-22.0						
			LAT N= 37-47.7 LONG W= 04-11.9 PROF= 20.0 KM MAG= 3.3						
			RMS= 3.2 ERH= KM ERZ= KM NES= 4 IO=						
	TORREDONJIMENO-J								
	SPGM		06-MAR-1978 H/M/S= 18-51-14.0						
			LAT N= 35- 0.0 LONG W= 04-36.0 PROF= KM MAG=						
			RMS= ERH= KM ERZ= KM NES= IO=						
	PUNTA PESCADORES-MARRUECOS								
MAR 07	EBR	E	13 28 07.0	E	13 28 10.0				
MAR 07	CRT	E	15 39 34.8						
	CRT	E	16 04 46.6						
MAR 07	EBR	E	16 34 15.5	E	16 34 22.0				
MAR 07	TOL	E	23 05 11.0						
MAR 08	STS	I	06 01 32.6	I	6 2 7.5				
	TOL	E	06 02 24.0	E	6 2 39.0				
	IMCP		08-MAR-1978 H/M/S= 06-00-43.0						
			LAT N= 39-42.0 LONG W= 08-54.0 PROF= KM MAG=						
			RMS= ERH= KM ERZ= KM NES= IO=						
	LEIRIA-PORTUGAL								
	SENTIDO II EN LEIRIA								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
MAR	08	EBR	E	12	21	44.0	E	12	21	58.5				
		EBR					E	15	38	43.0				
		EBR					E	16	41	46.0				
MAR	09	EBR	E	11	52	30.5	E	11	52	33.5				
		EBR	E	12	02	57.5	E	12	3	9.0				
MAR	09	ALM	I	15	41	54.9	I	15	41	57.4				
MAR	09	EBR	E	15	54	26.0	E	15	54	27.5				
MAR	09	CRT	E	16	02	15.0								
		TOL	E	16	02	43.0	I	16	2	46.5				
MAR	09	CRT	E	16	03	15.5								
MAR	09	LGR	E	16	15	56.5	E	16	16	24.2				
MAR	09	EBR	E				E	18	32	7.0				
MAR	09	STS	I	21	21	11.0								
MAR	10	EBR	E	10	41	23.0	E	10	41	26.0				
MAR	10	STS	I	06	33	52.4	E	6	34	13.3				
MAR	10	EBR	E	12	34	58.5	E	12	35	1.5				
MAR	10	MAL	E	14	21	17.0	E	14	21	17.5				
		STS	E	14	21	40.6								
MAR	10	MAL	I D	15	06	16.3	I	15	6	17.1	0.6	0.5		
MAR	10	LGR	E	18	03	41.0	I	18	3	46.5				
MAR	11	EBR	E	10	46	28.0	E	10	46	31.0				
MAR	11	TOL	E	12	33	07.0	I	12	33	19.5				
MAR	11	CRT	E	15	43	56.1								
MAR	11	MAL	E	17	01	11.0	I	17	1	18.0	0.5	0.3		
		TOL	E	17	02	26.0								
MAR	12	STS	E	10	02	08.0	I	10	2	22.5				
MAR	12	EBR					E	18	22	15.0				

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
	SPGM		13-MAR-1978 H/M/S= 05-28-44.0						
			LAT N= 35-30.0 LONG W= 03-12.0 PROF= KM MAG=						
			RMS= ERH= KM ERZ= KM NES= IO=						
	W MELILLA-ALBORAN								
MAR 13	STS	E	12 38 17.0						
MAR 13	EBR			E	14 5 31.0				
MAR 13	TOL	E	11 59 31.0	E	11 59 34.5				
MAR 13	STS	E	17 00 42.5						
MAR 14	EBR			E	12 11 24.0				
	EBR	E	12 23 07.0	E	12 23 9.5				
	EBR			E	13 47 44.0				
MAR 14	TOL	E	14 47 54.0	I	14 47 56.0				
	TOL			I	15 31 22.5				
MAR 14	CRT	E	15 51 43.6						
MAR 14	STS	E	17 48 29.6						
	SPGM		15-MAR-1978 H/M/S= 10-44- 4.0						
			LAT N= 36- 0.0 LONG W= 09-30.0 PROF= KM MAG=						
			RMS= ERH= KM ERZ= KM NES= IO=						
	SW C S VICENTE-ATLANTICO								
MAR 15	EBR	I	11 55 50.4	I	11 55 51.5				
MAR 15	STS	E	12 17 46.0						
MAR 15	ALM	I C	15 13 37.8	I	15 13 40.4				
MAR 15	CRT	E	16 32 07.4						
MAR 16	MAL	E	05 00 09.5	I	5 0 16.0	0.6	0.5		
MAR 16	STS	I	10 28 40.0						
MAR 16	EBR	E	11 06 31.0	E	11 6 45.0				
	EBR	E		E	14 13 11.0				
MAR 16	EBR	I	18 34 58.8	I	18 35 2				

				P				S					
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
MAR	16	CRT	I	23	33	43.0								
MAR	17	STS	I	06	54	06.4								
MAR	17	ALM	I D	09	30	02.8	I	9	30	8.9				
MAR	17	EBR	E	10	54	18.0	E	10	54	20.5				
		EBR	E	16	25	52.5	E	16	25	57.0				
MAR	17	STS	E	20	09	43.0								
MAR	18	EBR	E	09	11	32.5	E	9	11	35.5				
MAR	18	ALM	I C	11	10	08.8	I	11	10	14.7				
		CRT	I D	11	10	26.7								
		TEC	I	11	10	35.5								
		TAF	E	11	10	36.0	E	11	10	59.0				
		MAL	E	11	10	41.0								
		ALI	E	11	10	37.0								
		TOL	E	11	11	05.5	E	11	11	49.0	0.2	1.0		
		SSIS	18-MAR-1978 H/M/S= 11-10- 2.9											
			LAT N= 36-37.6 LONG W= 01-54.8 PROF= 05.0 KM MAG= 3.4											
			RMS= 2.2 ERH= KM ERZ= KM NES= 7 IO=											
		SE C DE GATA-ALBORAN												
MAR	19	STS	E	00	17	17.4								
MAR	19	CRT		01	51	47.2								
MAR	19	STS	I	14	45	00.6								
MAR	19	CRT		18	51	14.8								
MAR	20	STS	I	10	03	42.0								
MAR	20	EBR					E	10	39	44.7				
MAR	20	ALM	I C	12	56	13.6	I	12	56	14.6				
MAR	20	TOL	I	14	47	05.0	I	14	47	9.0				
MAR	20	EBR	E	14	50	08.0	E	14	50	11.0				
MAR	20	ALM	I C	15	29	50.2	I	15	29	54.3				
MAR	21	STS	E	06	26	43.0								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
		LDG		21-MAR-1978		H/M/S= 09-09-25.6								
				LAT N= 43-12.0		LONG W= 00- 6.0		PROF=		KM			MAG= 2.9	
				RMS=		ERH=		KM	ERZ=	KM	NES=		IO=	
		PAU-FRANCIA												
MAR	21	EBR	E	10	54	43.0	E	10	54	46.0				
MAR	21	ALM	I C	14	36	52.5	I	14	36	59.3				
MAR	21	CRT	E	15	20	06.8								
MAR	21	ALM	E	18	27	54.4	I	18	28	17.3				
MAR	22	STS	I	06	14	01.2								
MAR	22	ALI	I C	06	23	54	I	6	23	58.5	0.5	0.4		
		ALI	I C	06	57	00.5	I	6	57	5.5	0.7	0.3		
MAR	22	EBR	E	11	37	58.0	E	11	38	1.5				
		EBR	E	11	43	14.5	E	11	43	17.0				
MAR	22	CRT	E	15	21	25.0								
MAR	22	TOL	E	15	35	03.2	E	15	35	16.4				
		TOL	E	16	35	07.0	E	16	35	24.0				
MAR	22	STS	I	21	36	49.2								
MAR	23	STS	E	08	21	06.8								
		STS	E	10	26	49.8								
		SPGM		24-MAR-1978		H/M/S= 12-14-26.0								
				LAT N= 35-48.0		LONG W= 07- 0.0		PROF=		KM			MAG=	
				RMS=		ERH=		KM	ERZ=	KM	NES=		IO=	
		W E GIBRALTAR-ATLANTICO												

				P				S					
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
MAR	24	ALM	I C	13	01	41.1	E	13	1	53.2				
		ALI	I D	13	01	46.2					0.2	0.8		
		CRT	E	13	01	51.6	E	13	2	15.0				
		MAL	I C	13	02	05.0	I	13	2	37.0	1.5	0.9		
		TEC	I	13	02	09.0								
		TOL	E	13	02	09.0	I	13	2	42.0	0.9	0.4		
		EBR	E	13	02	20.0								
		EPF		13	02	48.2								
		PTO		13	02	59.0		13	4	30.7				
		SSIS		24-MAR-1978			H/M/S= 13-01-24.4							
				LAT N= 37-38.5			LONG W= 01-41.1				PROF= 10.0 KM		MAG= 4.3	
				RMS= 0.9			ERH= 1.2 KM				ERZ= 12.0 KM		NES= 8	ID=
		CSEM		24-MAR-1978			H/M/S= 13-01-23.9							
				LAT N= 37-30.0			LONG W= 01-48.0				PROF=		KM MAG=	
				RMS= 1.0			ERH= 12.7 KM				ERZ=		KM NES= 9	ID=
		LORCA-MU												
MAR	25	EBR	E	03	37	09.0	E	3	37	34.0				
MAR	25	CRT	E	12	52	39.0								
MAR	26	ALM	E	03	06	24.2								
		CRT	E	03	06	35.2	E	3	7	2				
		MAL	E	03	06	49.8	E	3	7	19.9				
		TOL	I	03	07	00.5	I	3	7	38.0	0.5	0.8		
MAR	27	CRT	I	03	04	44.6								
		MAL	E	03	04	55.5	I	3	5	5.0	0.4	0.3		
MAR	27	STS	I	14	07	22.5								
MAR	27	MAL	E	14	31	57.5	E	14	32	0				
MAR	27	CRT	E	14	54	50.1								
MAR	27	MAL	E	20	40	02.0								

				P				S					
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
MAR	28	MAL	I C	01	37	30.2	E	1	37	45.9				
		TAF	I	01	37	32.0	I	1	37	49.0				
		CRT	E	01	37	36.1								
		ALM	I D	01	37	35.8	I	1	37	55.0				
		IFR	I	01	37	48.5	I	1	38	18.0				
		SSIS		28-MAR-1978			H/M/S= 01-37- 7.9							
				LAT N= 35-38.4			LONG W= 03-41.7				PROF= 0.4 KM		MAG= 3.9	
				RMS= 0.2			ERH= 2.2 KM			ERZ= KM		NES= 5	IO=	
		SPGM		28-MAR-1978			H/M/S= 01-37- 8.0							
				LAT N= 35-24.0			LONG W= 03-54.0				PROF= KM		MAG=	
				RMS=			ERH=			KM ERZ=		KM NES=	IO=	
		N ALHUCENAS-ALBORAN												
MAR	28	EBR	E	05	08	25.0	E	5	9	0				
		EBR	E	10	40	15.5	E	10	40	23.0				
		EBR	E	10	45	33.0	E	10	45	36.0				
		EBR	E	13	20	33.0	E	13	20	35.5				
MAR	28	CRT	E	13	48	06.1								
		CRT	E	15	58	31.0								
		CRT	E	17	05	33.5								
MAR	29	EBR	E	09	34	17.0								
		EBR	E	11	14	37.0	E	11	14	42.0				
		EBR	E	12	23	51.0	E	12	23	55.5				
MAR	29	ALM	E	16	03	22.5	I	16	3	26.0				
MAR	29	LGR	E	18	53	21.7	I	18	53	36.6				
MAR	30	CRT	E	10	13	23.7								
MAR	30	STS	I C	11	10	41.0								
MAR	30	CRT	E	11	13	25.8								
MAR	31	TOL	E	11	46	09.5	E	11	46	15.0				
MAR	31	EBR	E	12	24	06.0	E	12	24	9.0				
		EBR	E	13	48	37.0	E	13	48	40.0				
MAR	31	CRT	E	14	52	26.8								
MAR	31	LGR	I C	15	40	47.6	I	15	40	54.0				
MAR	31	CRT	E	16	10	04.7								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
MAR	31	LGR	I C	16	39	52.6	I	16	39	59.0				
MAR	31	STS	I D	19	55	26.0								
		STS	I	21	53	50.5	I	21	54	35.0				
MAR	31	ALM	E	23	19	15.0	I	23	19	17.0				
ABR	01	EBR	E	09	53	25.0	E	9	53	28.0				
ABR	01	LGR	E	13	05	46.1	E	13	5	53.5				
ABR	01	CRT	E	13	34	11.2								
ABR	01	TOL	E	19	09	11.5								
ABR	01	STS	I D	22	11	49.0	I	22	12	39.0				
ABR	03	EBR	E	06	28	23.0	E	6	29	40.0				
		EBR	E	10	23	37.5	E	10	23	41.0				
		EBR					E	10	41	4.0				
		EBR					E	12	54	4.0				
ABR	03	EBR		13	42	58.0	E	13	43	2.5				
ABR	03	TOL	E	13	55	43.5								
ABR	03	CRT	E	15	12	57.8								
ABR	03	TOL	E	16	11	40.0	E	16	12	20.5				
ABR	04	EBR	E	10	06	54.0	E	10	6	57.0				
ABR	04	STS	I D	12	34	01.0								
ABR	04	EBR	E	13	44	21.5	E	13	44	24.0				
ABR	04	MAL	I D	13	57	47.0	I	13	57	49.0	0.8	1.2		
ABR	04	STS	E	15	20	01.0								
ABR	05	EBR	E	10	12	55.0	E	10	12	57.5				
ABR	06	EBR	E	13	32	23.0	E	13	32	26.5				
ABR	07	STS	E	05	42	53.0	E	5	43	55.0				

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
ABR 07	LIS	D	07 39 58.5						
	COI	E C	07 40 18.6		7 40 44.9				
	MTE		07 40 24.9						
	PTO	I C	07 40 31.0		7 41 2.6				
	SFS	E	07 40 33.5						
	MAL	I	07 40 48.2	I	7 41 50.9	2.3	0.8		
	TOL	I	07 40 51.5	I	7 41 32.1	6.8	0.3		
	CRT	E	07 40 53.0						
	RBZ	I	07 40 58.0	I	7 41 48.5				
	ALM	E	07 41 16.4	I	7 42 34.9				
	IFR	I	07 41 11.0	I	7 42 11.0				
	TAF	I	07 41 18.4	I	7 42 22.9				
	LGR	E	07 41 16.3	E	7 42 29.3				
	HAD	I	07 41 35.0	I	7 42 56.0				
	TIO	I	07 41 37.0	I	7 42 59.0				
	BME	I	07 41 39.5	I	7 43 5				
	EBR	E	07 42 05.0	E	7 43 48.0				
	EPF		07 41 48.2						
	LFF		07 42 08.6						
	LPO		07 42 10.0						
	RJF		07 42 13.4						
	MFF		07 42 15.5						
	CAF		07 42 16.8						
	LSF		07 42 24.0						
	TCF		07 42 26.7						
	MZF		07 42 32.6						
	SSF		07 42 46.8						
	LBF		07 42 48.0						
	LOR		07 42 51.2						

SSIS 07-ABR-1978 H/M/S= 07-39-47.6
LAT N= 38-19.1 LONG W= 09- 5.1 PROF= 60.0 KM MAG= 5.1
RMS= 0.6 ERH= 9.3 KM ERZ= 9.9 KM NES= 10 IO=

CSEM 07-ABR-1978 H/M/S= 07-39-46.8
LAT N= 38-18.0 LONG W= 09-12.0 PROF= KM MAG=
RMS= 2.2 ERH= 22.5 KM ERZ= KM NES= 22 IO=

SPGM 07-ABR-1978 H/M/S= 07-39-52.5
LAT N= 38- 0.0 LONG W= 08-12.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

IMGP 07-ABR-1978 H/M/S= 07-39-47.6
LAT N= 37-36.0 LONG W= 08-48.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

SW DE SETUBAL-ATLANTICO
SENTIDO EN LISBOA,SETUBAL,SINTRA,SESIMBRA Y EVORA(IMGP)

ABR 07 EBR E 07 57 55.5 E 7 58 31.0

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
ABR	07	MAL	I C	08	33	34.7					0.4	0.3		
		MAL	I C	10	34	44.0					0.5	0.3		
ABR	07	EBR	E	10	52	01.0	E	10	52	4.0				
ABR	07	TOL					E	12	39	52.0				
ABR	07	MAL	E	19	03	13.0	I	19	3	18.5	0.1	0.5		
ABR	07	STS	I C	22	37	20.2	I	22	38	35.1				
ABR	08	STS	I	07	33	47.2								
ABR	08	ALM	E	15	14	59.7	I	15	15	11.6				
		CRT	E	15	15	03.6								
		MAL	E	15	15	18.2					6.0	0.5		
		ALI	E	15	15	17.0	E	15	15	40.6	0.2	0.5		

SSIS 08-ABR-1978 H/M/S= 15-14-47.1
LAT N= 37-31.9 LONG W= 02-27.4 PROF= 10.0 KM MAG= 3.4
RMS= 0.7 ERH= KM ERZ= KM NES= 4 IO=

CULLAR DE BAZA-GR

ABR	08	STS	I	17	44	53.4								
ABR	10	EBR	E	09	48	23.8	E	9	48	27.2				
		EBR					E	10	7	43.0				
ABR	10	EBR		12	19	07.0	E	12	19	43.0				
		LGR	E	12	18	48.5	I	12	19	10.5				

LDG 10-ABR-1978 H/M/S= 12-18-16.8
LAT N= 43-24.0 LONG W= 00-36.0 PROF= 10.0 KM MAG= 3.2
RMS= ERH= KM ERZ= KM NES= IO=

PAU-FRANCIA

ABR	10	CRT	E	14	50	15.4	E	14	50	29.3				
ABR	10	EBR					E	15	29	5.0				
ABR	10	CRT	E	16	28	44.2								
ABR	10	ALM	E D	17	19	39.9	I	17	19	43.6				
ABR	10	CRT	E	17	36	04.0								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
ABR	10	ALI	E	18	09	20.0	I	18	9	22.2	0.9	0.4		
ABR	11	EBR		10	35	24.8	E	10	35	28.7				
		TOL	E	13	34	12.0	E	13	34	15.0				
ABR	11	EBR	E	13	00	25.0	E	13	0	28.0				
ABR	11	CRT	E	14	29	16.6								
ABR	11	LGR	E	16	56	56.1	I	16	57	4.0				
		LGR	I C	16	57	53.0	I	16	58	7	0.1	0.3		
ABR	12	EBR	E	10	43	53.5	E	10	43	57.0				
ABR	12	STS	I	17	58	15.6	I	17	58	22.5				
ABR	13	EBR	E	09	11	11.0	E	9	11	13.5				
		EBR	E	12	37	21.0	E	12	37	23.5				
ABR	13	MAL	I C	13	11	43.0								
ABR	13	TOL	E	15	16	57.5	E	15	17	0				
ABR	13	STS	I C	19	24	54.8								
ABR	14	CRT	E	09	23	29.1								
		CRT	E	11	07	05.0								
		CRT	E	12	45	25.0								
		CRT	E	13	08	06.0								
ABR	14	EBR	E	13	38	56.0	E	13	38	59.0				
ABR	14	CRT	E	16	19	03.9								
ABR	14	STS	I D	18	17	27.5								
ABR	14	ALM	E	20	39	19.4	I	20	39	22.9				
ABR	15	STS	I	12	58	52.0								

IMGP 15-ABR-1978 H/M/S= 13-06-59.0
LAT N= 40-36.0 LONG W= 08- 6.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

VISEU-PORTUGAL

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
ABR	15	CRT	E	15	16	58.4								
ABR	15	TOL	E	15	26	05.5	I	15	26	30.5				

				P				S						
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
ABR	15	STS	I	21	28	38.0								
ABR	17	EBR	E	08	45	14.5	E	8	45	17.5				
		EBR	E	10	14	04.0	E	10	14	7.0				
		EBR	E	10	49	04.0	E	10	49	6.0				
		EBR	E	13	44	06.5	E	13	44	9.0				
		LDG		17-ABR-1978			H/M/S= 14-07- 0.3							
				LAT N= 43-30.0			LONG W= 00-36.0				PROF=		KM	MAG= 2.8
				RMS=			ERH=		KM	ERZ=		KM	NES=	IO=
		OLORON STE MARIE-FRANCIA												
ABR	17	LGR	E	15	04	52.3	I	15	5	0				
		LGR	I D	15	25	03.3	I	15	25	10.4				
ABR	17	ALM	I D	15	35	01.4	I	15	35	3.8				
ABR	17	ALM	I C	15	42	25.8	I	15	42	27.4				
ABR	17	STS	E	15	59	20.6								
		STS	I	19	49	14.5								
ABR	18	EBR	E	09	06	42.0	E	9	6	44.5				
		EBR	E	10	34	40.5	E	10	34	43.0				
ABR	18	CRT	E	10	46	00.0								
ABR	18	MAL	I C	11	24	08.4					0.4	0.5		
ABR	18	CRT	E	16	58	50.8								
ABR	18	LGR	E	18	13	39.2	I	18	13	50.1				
ABR	19	MAL	E	04	29	06.0	E	4	29	19.0				
ABR	19	EBR	E	09	50	40.5	E	9	50	42.5				
ABR	19	ALM	I C	10	41	25.0	I	10	41	25.3				
ABR	19	LGR	E	10	59	43.2	I	10	59	50.6				
ABR	19	EBR	E	11	31	12.5	E	11	31	15.0				
ABR	19	MAL	E	12	39	10.5	E	12	39	11.7				
ABR	19	EBR	E	12	58	14.0	E	12	58	16.5				
ABR	19	CRT	E	14	23	58.1								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
ABR	20	EBR	E	13	16	23.0	E	13	16	25.5				
ABR	20	ALM	I D	14	19	20.6	I	14	19	25.1				
ABR	20	CRT	E	14	52	10.1								
		CRT	E	16	11	40.2								
ABR	20	ALM	I D	16	59	23.0	I	16	59	24.0				
ABR	20	LGR	E	18	33	14.4	I	18	33	21.8				
ABR	20	CRT	E	19	22	08.3								
ABR	21	TOL	E	09	38	35.0								
ABR	21	CRT	E	10	28	26.7								
ABR	21	EBR	E	10	41	04.5	E	10	41	7.5				
ABR	21	LGR	I D	13	14	20.5	I	13	14	26.0	0.1	0.4		
ABR	21	EBR	E	13	37	31.0	E	13	37	34.0				
ABR	21	ALM	I C	15	32	24.6	I	15	32	31.7				
ABR	22	EBR	E	07	53	48.5	E	7	53	51.0				
ABR	22	LGR	E	10	16	07.5	I	10	16	13.0				
ABR	22	EBR	E	12	29	40.0	E	12	29	58.0				
ABR	24	LGR	E	14	43	55.9								
ABR	24	ALI	E	16	37	47.5	I	16	38	8.2	0.2	0.4		

LDG 24-ABR-1978 H/M/S: 18-03-39.5
LAT N 42-36.0 LONG E 00-54.0 PROF: KM MAG: 2.7
RMS: ERH: KM ERZ KM NES: ID:

VIELLA-L

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
ABR	25	LGR	E	08	14	59.8	I	8	15	13.2				
ABR	25	TOL	E	15	41	10.0								
ABR	25	EBR	E	15	56	36.0	E	15	56	42.5				
		LGR	E	15	55	35.3	I	15	55	45.7				
ABR	25	ALM	I D	16	19	41.3	I	16	19	43.8				

				P				S					
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR DUR
ABR	26	TOL					E	11	17	16.0			
ABR	26	LGR	I C	11	42	40.8	I	11	42	48.5			
ABR	26	STS	I	22	22	35.0							
ABR	27	LGR	E	11	05	30.2	I	11	5	47.6			
ABR	27	EBR	E	14	52	15.0	E	14	52	19.0			
ABR	27	MAL	I D	15	00	25.5	I	15	0	38.2	0.5	0.3	
ABR	27	LGR	I C	16	53	21.9	I	16	53	29.8			
ABR	27	ALM	I C	23	12	35.7	I	23	12	37.0			
ABR	28	ALM	I D	16	49	08.7	I	16	49	18.7			
		MAL	E	16	49	28.0	E	16	49	36.0			
ABR	28	ALM	I C	23	02	35.4	I	23	2	37.4			
		CRT	E	18	55	04.4	E	18	55	10.6			
ABR	29	CRT	E	19	21	22.4	E	19	22	32.8			
		LGR	E	19	22	14.0	I	19	23	48.0			
		STS	I C	19	20	36.9							
		TOL	E	19	21	30.0	I	19	22	37.5	0.9	0.8	

SPGM 29-ABR-1978 H/M/S= 19-19-57.0
LAT N= 36-12.0 LONG W= 10-18.0 PROF= 33.0 KM MAG= 4.6
RMS= ERH= KM ERZ= KM NES= IO=

IMGP 29-ABR-1978 H/M/S= 19-19-55.0
LAT N= 36-30.0 LONG W= 10-12.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

SW C S VICENTE-ATLANTICO

MAY	01	EBR	E	11	15	21.5	E	11	15	25.3			
MAY	02	CRT	E	11	29	13.7							
		CRT	E	11	53	22.7							
		CRT	E	14	33	44.1							
MAY	02	LGR	E C	16	36	47.9	I	16	36	53.6	1.2	0.3	
		LGR	I C	17	32	55.6	I	17	33	5	0.1	0.4	
MAY	03	CRT	E	10	46	23.9	E	10	46	28.7			
MAY	03	LGR	E	11	30	50.4	E	11	31	1			

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
MAY	03	EBR	E	11	33	24.5	E	11	33	27.5				
MAY	03	STS		21	32	44.0								
MAY	04	CRT	E	11	34	02.3								
MAY	05	LGR	I	14	05	48.6	I	14	5	55.0	0.2	0.3		
MAY	08	ALM	I C	15	37	57.5	I	15	37	58.2				
MAY	08	LGR	E	16	58	49.3	I	16	58	56.4	0.2	0.6		
		LGR	E	18	25	48.3	E	18	26	4	0.1	1.0		
MAY	09	LGR	I D	10	57	52.6	I	10	58	1.1	0.2	0.6		
MAY	09	TOL					E	14	29	34.0				
		TOL					E	17	44	33.0				
MAY	10	ALM	I D	00	24	32.2	I	0	24	39.3				

LDG 10-MAY-1978 H/M/S= 07-17-16.3
LAT N= 43- 0.0 LONG W= 00-18.0 PROF= 25.0 KM MAG= 3.1
RMS= ERH= KM ERZ= KM NES= IO=

LOURDES-FRANCIA

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
MAY	10	CRT	E	17	57	59.7	E	17	58	4.8				

LDG 10-MAY-1978 H/M/S= 18-58- 9.1
LAT N= 43- 0.0 LONG W= 00-12.0 PROF= KM MAG= 2.7
RMS= ERH= KM ERZ= KM NES= IO=

LOURDES-FRANCIA

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
MAY	10	CRT	E	23	54	29.1								
		ALI	E	23	54	39.8								
		MAL	I D	23	54	41.0								
		TOL	E	23	54	52.0					8.8	0.8		

SSIS 10-MAY-1978 H/M/S= 23-54-12.2
LAT N= 37-36.2 LONG W= 02-27.2 PROF= 40.0 KM MAG= 5.0
RMS= 0.2 ERH= 0.3 KM ERZ= KM NES= 4 IO=

CULLAR DE BAZA-GR

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
MAY 11	ALM	I D	04 51 29.3	I	4 51 37.9				
	CRT	I C	04 51 44.3	E	4 51 59.2				
	MAL	E	04 51 48.0	I	4 52 0				
	TAF	I	04 51 53.5	I	4 52 13.0				
	ALI	E	04 52 06.0	E	4 52 28.2	4.5	1.3		
	IFR	E	04 52 21.5	I	4 53 4.0				
	HAD	I	04 52 39.5						
	MTE	I	04 52 42.5		4 53 44.5				
	COI	E	04 52 50.7	I	4 53 55.1				
	PTO		04 53 00.3		4 54 7.6				
	STS	E	04 53 20.0						

SSIS 11-MAY-1978 H/M/S= 04-51-24.0
LAT N= 36-36.1 LONG W= 02-39.4 PROF= 5.0 KM MAG= 4.5
RMS= 1.5 ERH= 9.4 KM ERZ= KM NES= 9 IO=
SPGM 11-MAY-1978 H/M/S= 04-51-26.0
LAT N= 36-18.0 LONG W= 02-36.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

GOLFO DE ALMERIA
SENTIDO IV EN ALMERIA,ROQUETAS,FARO DE SABINAR,AGUADULCE Y BALERMA
III EN BERJA,CANJAYAR,ALHAMA DE ALMERIA,ALHABIA,BENHADUX,SORE
VIATOR Y CARBONERAS

SPGM 11-MAY-1978 H/M/S= 14-59-53.0
LAT N= 35-36.0 LONG W= 07-30.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

W E GIBRALTAR-ATLANTICO

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
MAY 11	TAF	I	16 18 53.0	I	16 18 58.7				
	ALM	I C	16 19 21.6	I	16 19 42.2				
	MAL	E	16 19 27.2						
	CRT	E	16 19 30.1						
	IFR	I	16 19 32.5	I	16 20 4.5				
	HAD	I	16 19 44.0						
	TOL	E	16 20 16.0	E	16 21 24.0	0.4			
	TIO	I	16 20 16.0	I	16 21 23.1				

SSIS 11-MAY-1978 H/M/S= 16-18-50.7
LAT N= 34-48.9 LONG W= 02-24.7 PROF= 10.0 KM MAG= 3.7
RMS= 2.6 ERH= KM ERZ= KM NES= 8 IO=
SPGM 11-MAY-1978 H/M/S= 16-18-47.0
LAT N= 35- 6.0 LONG W= 02-48.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

BERCAN-MARRUECOS

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
MAY	11	TOL	E	16	44	22.0								
MAY	11	CRT	I	19	05	51.5	E	19	5	56.2				
MAY	11	ALM	I C	16	19	21.6	I	16	19	42.2				
		ALM	I D	23	54	24.4	I	23	54	40.7				
		LDG	12-MAY-1978 H/M/S= 18-29-30.1											
			LAT N= 42-48.0 LONG E= 02- 0.0 PROF= KM MAG= 3.1											
			RMS= ERH= KM ERZ= KM NES= IO=											
		QUILLAN-FRANCIA												
MAY	12	TOL	E	22	33	21.0	E	22	33	42.0	0.0	0.8		
MAY	13	ALM	E	07	28	25.8	E	7	29	32.4				
MAY	13	MAL	I C	10	06	11.2	E	10	6	11.9	2.2	0.8		
MAY	13	CRT	E	16	30	40.7								
MAY	15	CRT	E	11	29	02.0								
MAY	15	LGR	E	18	43	56.6	I	18	44	27.0				
MAY	16	EBR					E	9	14	56.0				
MAY	16	LGR	E C	11	02	50.2	I	11	2	55.6				
		LGR	E	13	09	38.9	E	13	9	45.3	0.2	0.7		
		LGR	E	15	05	40.8	E	15	5	49.6	0.2	0.9		
		LGR	I	15	14	38.9	I	15	14	46.8	0.2	0.4		
MAY	16	ALM	I C	15	37	20.8	I	15	37	22.1				
MAY	16	CRT	E	19	29	02.1	E	19	29	8.9				
MAY	17	LGR	E	01	51	41.7	I	1	51	49.9	0.4	1.0		
MAY	17	TOL					E	14	30	51.0				
MAY	17	EBR					I	15	17	19.0				
		EBR					I	15	34	5.0				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
MAY	17	ALM	I	22	28	41.0	I	22	28	56.0				
		CRT	E	22	28	43.9	E	22	29	7				
		ALI	E	22	28	54.5	E	22	29	16.2	2.5	15		
		TOL	E	22	29	05.5	E	22	29	31.1	0.5	0.6		
		EBR	E	22	29	20.0	E	22	30	4.0				
		IFR	I	22	29	36.0	I	22	30	31.0				
		LGR	I D	22	29	49.8	I	22	30	34.3	0.1	0.6		
		SSIS	17-MAY-1978 H/M/S= 22-28-25.6											
			LAT N= 37-40.6 LONG W= 02-27.4 PROF= 60.0 KM MAG= 3.9											
			RMS= 1.3 ERH= KM ERZ= KM NES= 6 IO=											
		CULLAR DE BAZA-GR												
MAY	18	EBR	E	09	53	45.0	E	9	53	47.5				
MAY	18	LGR	I C	11	05	20.2	I	11	5	29.6	0.1	0.6		
MAY	18	EBR	E	12	24	43.0	E	12	24	47.0				
MAY	18	TOL	E	14	29	50.8	E	14	30	25.9				
MAY	18	CRT	E	15	56	15.4								
MAY	18	TOL	E	16	58	21.0	E	16	58	39.0				
MAY	18	CRT	E	19	34	57.3	E	19	35	2.8				
		SPGM	19-MAY-1978 H/M/S= 03-08-33.0											
			LAT N= 36-12.0 LONG W= 09-24.0 PROF= KM MAG=											
			RMS= ERH= KM ERZ= KM NES= IO=											
		SW C S VICENTE-ATLANTICO												
MAY	19	LGR	I C	11	05	06.3	I	11	5	15.5	0.1	0.4		
MAY	19	EBR					E	3	49	57.0				
MAY	19	EBR					E	12	25	49.0				
MAY	19	CRT	E	13	40	03.0								
MAY	19	TOL	E				E	14	16	16.5				
		TOL	E	14	26	40.0	E	14	27	5.0				
MAY	19	EBR					E	16	8	0				
MAY	20	EBR					E	12	4	23.0				

				P			S					
MES	DIA	STA	PRK	H M S	SRM	H M S	AMP	PER	STA-COR	DUR		
MAY	21	TOL	E	08 14 20.0	E	8 14 54.5						
MAY	21	MAL	E	18 46 48.5	I	18 46 53.0	0.6	0.7				
MAY	22	MTE		09 41 50.0		9 42 34.0						
		PTO	I D	09 41 52.7		9 42 32.1						
		FAR		09 41 56.2								
		STS	I D	09 42 15.3	I	9 43 25.8						
		CRT	E	09 42 28.0								
		RBZ	I	09 42 28.0	I	9 43 24.0						
		LGR	E C	09 42 46.7	E	9 44 5.6						
		IFR	I	09 42 43.0	I	9 43 49.0						
		HAD	I	09 43 07.5								
		BME	E	09 43 09.5	I	9 44 34.3						

SSIS 22-MAY-1978 H/M/S= 09-41-18.1
LAT N= 39- 6.3 LONG W= 09- 5.8 PROF= 5.0 KM MAG= 3.7
RMS= 1.4 ERH= KM ERZ= KM NES= 6 IO=

SPGM 22-MAY-1978 H/M/S= 09-41-12.0
LAT N= 38-30.0 LONG W= 09-42.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

IMGP 22-MAY-1978 H/M/S= 09-41-12.0
LAT N= 38-30.0 LONG W= 09-42.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

ALENQUER-PORTUGAL

MAY	22	TOL	E	11 00 32.0	E	11 0 42.0						
MAY	22	ALM	I C	13 02 28.6	I	13 2 33.0						
MAY	23	EBR			E	16 43 9.0						

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
MAY	23	MAL	E	18	28	00.0	I	18	28	17.0				
		TAF	I	18	28	04.0	I	18	28	25.5				
		IFR	I	18	28	08.0	I	18	28	33.0				
		CRT	E	18	28	10.5								
		RBZ	I	18	28	17.0	I	18	28	47.5				
		HAD	I	18	28	26.0								
		TOL	E	18	28	43.0	E	18	29	41.0	0.1	1.0		
		BME	I	18	28	51.0	I	18	29	47.0				
		TIO	I	18	28	51.3	I	18	29	50.4				
		SSIS		23-MAY-1978			H/M/S= 18-27-36.9							
				LAT N= 35-19.1			LONG W= 04-19.4				PROF= 20.0 KM		MAG= 3.2	
				RMS= 1.0			ERH= 7.5 KM			ERZ=	KM	NES= 9	IO=	
		SPGM		23-MAY-1978			H/M/S= 18-27-34.5							
				LAT N= 35-12.0			LONG W= 04-24.0				PROF=	KM	MAG=	
				RMS=			ERH=	KM		ERZ=	KM	NES=	IO=	
		W ALHUCEMAS-ALBORAN												
MAY	23	STS		21	15	37.5	I	21	15	51.5				
MAY	24	CRT	E	11	31	09.9								
MAY	24	EBR					E	15	43	4.0				
MAY	24	CRT	E	19	15	56.5								
MAY	25	EBR	E	14	13	08.0	E	14	13	10.0				
MAY	26	CRT	E	11	38	23.8								
MAY	26	MAL	I C	13	27	24.0	I	13	27	25.0	0.5	0.5		
MAY	26	TOL					E	14	28	4.0				
MAY	26	LGR	E C	14	39	38.5	I	14	39	45.0	0.4	0.8		
		LGR	I D	16	30	03.1	I	16	30	10.3	1.2	0.8		
MAY	26	EBR					E	18	4	57.0				
		EBR					E	18	8	57.0				
MAY	27	STS	C	05	29	25.0								
		STS		06	20	59.0								
MAY	27	LGR	E	07	48	39.4	E	7	49	20.0				
		STS		07	49	03.2								
MAY	27	CRT	E	11	13	55.1								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
MAY	28	EBR					E	15	11	47.0				
MAY	29	STS		01	21	59.0								
MAY	29	LGR	E	12	31	55.3	I	12	32	7	0.2	0.6		
		LGR	E	12	41	44.0	I	12	41	49.5	0.4	0.7		
MAY	29	ALM	I D	14	08	09.2	I	14	8	9.4				
MAY	29	LGR	E	16	38	04.3	I	16	38	10.7	0.3	0.9		
MAY	29	EBR	E	17	07	26.0	E	17	7	29.5				
		EBR					E	18	17	54.0				
MAY	30	EBR					E	9	47	17.0				
		EBR					E	10	58	19.0				
		EBR					E	12	29	0				
MAY	30	STS		14	55	34.8								
MAY	30	EBR					E	15	32	44.0				
MAY	30	STS	D	15	35	46.0								
MAY	30	LGR	E	16	40	45.3	I	16	41	17.7				
MAY	31	EBR	E	01	15	15.7	E	1	15	17.1				
MAY	31	LGR	E	10	13	59.0	E	10	14	4.5	0.3	1.3		
MAY	31	CRT	E	11	32	24.5								
MAY	31	TOL	E	13	52	44.0	E	13	52	54.0				
MAY	31	EBR					E	16	53	8.0				
JUN	01	CRT	E	09	31	19.3								
		CRT	E	11	31	12.2								
JUN	01	LGR	I D	16	32	40.1	I	16	32	48.5	0.1	0.6		
JUN	01	EBR	E	16	40	46.2	E	16	40	49.6				
		EBR	E	16	55	19.0								
		EBR	E	16	57	47.0								
JUN	02	STS	I	09	32	14.0	I	9	32	24.0				
JUN	02	EBR	E	09	50	26.0	E	9	50	29.5				
JUN	02	LGR	E	11	03	07.3	I	11	3	18.2	0.2	0.9		

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
JUN	02	EBR	E	12	16	29.0								
JUN	02	CRT	E	18	35	41.7								
JUN	02	TOL	E				E	23	34	8.5				
JUN	03	ALM	I D	01	49	08.3	I	1	49	10.0				
JUN	03	ALI	E	06	52	24.1	I	6	52	32.0				
JUN	03	EBR	E	11	34	45.0								
JUN	03	LGR	E	12	10	40.0	I	12	10	49.5	0.3	1.2		
JUN	03	STS	I	12	43	04.4	I	12	43	20.3				
JUN	03	TOL	E	19	42	51.0								
JUN	04	ALM	I C	09	42	29.1	I	9	42	40.9				
		TAF	I	09	42	34.0	I	9	42	49.0				
		CRT	E	09	42	42.5								
		MAL	E	09	42	47.3	E	9	43	18.9				
		TOL	E	09	43	19.0	E	9	44	5.5	0.1	0.8		200.0
		HAD	I	09	43	21.0	I	9	44	3.0				
		SSIS	04-JUN-1978 H/M/S= 09-42-11.9											
			LAT N= 35-59.7 LONG W= 01-52.8 PROF= 10.0 KM MAG= 3.1											
			RMS= 0.1 ERH= 5.2 KM ERZ= KM NES= 6 IO=											
		MEDITERRANEO												
JUN	04	CRT	E	19	39	25.9								
JUN	05	LGR	E	11	37	30.9	I	11	37	39.3	0.3	1.1		
JUN	05	EBR	E	11	52	00.0								
JUN	05	TOL	E	13	15	48.0	E	13	16	2.0				
JUN	05	LGR	E	15	33	20.6	I	15	33	31.5	0.4	0.7		
JUN	05	EBR	E	16	42	41.0	E	16	42	46.0				
JUN	05	LGR	E	17	53	07.2	I	17	53	15.6	0.2	0.6		
JUN	06	LGR	E	10	48	48.4	I	10	49	5.3	0.7	1.8		
JUN	06	EBR	E	11	13	44.0								

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
JUN 06	STS	I	12 23 39.0						
JUN 06	TOL	E	14 27 27.0	E	14 27 43.5				
JUN 06	EBR	E	16 46 07.0						
	STS	I	16 45 54.4						
JUN 06	EBR	E	23 29 14.0						
JUN 07	EBR	E	04 22 33.0						
JUN 07	CRT	E	11 45 06.8						
	CRT	E	12 12 52.9						
JUN 07	TOL	E	15 36 47.0	E	15 37 55.0				
	STS	I C	15 36 42.8	I	15 37 48.7				
JUN 07	TOL	E	15 55 20.0						
JUN 07	LGR	E	17 10 33.0	E	17 10 49.5	0.1	0.8		
JUN 07	CRT	E	17 14 45.8						
JUN 07	EBR	E	20 35 08.0	E	20 35 25.0				
JUN 08	TOL	E	11 24 22.0						
JUN 08	MAL	I C	13 46 55.2	I	13 46 56.4	1.2	1.0		
	MAL	E	19 55 35.2	E	19 55 42.4				
JUN 09	CRT	E	10 10 17.0						
JUN 09	EBR	E	10 56 56.0	E	10 57 15.0				
	LGR	E	10 57 02.0	E	10 57 22.0				

LDG 09-JUN-1978 H/M/S= 10-55-24.0
LAT N= 43- 0.0 LONG E= 00-18.0 PROF= 10.0 KM MAG= 2.7
RMS= ERH= KM ERZ= KM NES= IO=

BAGNERES DE BIGORRE-FRANCIA

JUN 09	EBR	E	11 46 20.0						
	EBR	E	12 59 34.0						
JUN 09	TOL	E	14 21 56.0						
	TOL	E		F	14 29 52.0				
JUN 09	EBR	E	16 21 40.0						

MES	DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
JUN	09	STS	I	20 07 41.2						
JUN	10	CRT	I	15 32 11.8	E	15 32 16.8				
JUN	11	STS	E	04 30 09.4						
JUN	11	EBR	E	08 28 53.0	E	8 29 30.0				
		TOL	E	08 29 30.0	E	8 30 20.0	0.1	1.0		
		LDG		11-JUN-1978 H/M/S= 08-28- 9.9						
				LAT N= 43- 6.0 LONG W= 00-36.0 PROF= KM MAG= 3.9						
				RMS= ERH= KM ERZ= KM NES= IO=						
		OLORON STE MARIE-FRANCIA								
JUN	11	EBR	E	21 14 32.0						
		EBR	E	23 57 41.0						
JUN	12	ALM	E	13 17 00.7	I	13 17 13.6				
JUN	12	MAL	I C	14 05 11.0	I	14 5 12.0	7.2	0.8		
JUN	12	TOL	E		E	14 31 18.0				
JUN	12	EBR	E	16 41 40.0						
JUN	12	STS	I	18 55 31.4						
JUN	13	STS	I	03 41 43.6	I	3 41 54.3				
JUN	13	CRT	E	11 29 15.8	E	11 29 19.4				
JUN	13	TOL	E	14 33 51.0	E	14 34 7.0				
JUN	13	LGR	E	17 06 10.0	I	17 6 24.0	0.5	1.0		
		LGR	E	17 21 08.3	I	17 21 15.7	1.3	1.2		
JUN	13	EBR	E	18 39 57.5	E	18 40 3.0				
		EBR	E	20 44 25.0						
JUN	14	LGR	E	10 14 25.0	I	10 14 40.0	0.4	1.0		
JUN	14	TOL	E		E	11 2 51.0				
JUN	15	ALM	E	13 21 07.8	I	13 21 17.7				
JUN	15	TOL	E		E	14 30 56.0				
JUN	15	STS	I	22 37 26.5						

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
JUN 16	SFS	I	02 34 04.5	I	2 34 18.0				
	MAL	I C	02 34 24.0						
	IFR	I	02 34 31.5	I	2 35 8.5				
	CRT	I C	02 34 35.0	I	2 35 15.2				
	ALM	I D	02 34 45.5	I	2 35 34.7				
	TAF	I	02 34 48.0	I	2 35 39.0				
	TOL	I D	02 34 51.5	I	2 35 43.0				430.0
	HAD	I	02 34 56.0	I	2 35 52.0				
	TEC	I	02 35 01.0						
	ALI	E	02 35 14.0	E	2 36 18.5	3.5	1.0		
	LGR	I D	02 35 31.8	I	2 36 50.4	0.2	0.6		
	EPF		02 35 52.4		2 37 26.4				
	LFF		02 36 15.9		2 38 6.7				
	LPO		02 36 16.6		2 38 8.1				
	CAF		02 36 23.8		2 38 18.5				
	RJF		02 36 24.0		2 38 18.8				
	TCF		02 36 37.7		2 38 44.6				
	MZF		02 36 39.6		2 38 47.0				
	AVF		02 36 50.7		2 39 8.8				
	SSF		02 36 54.1		2 39 14.1				
	LOR		02 36 58.2		2 39 21.5				

SSIS 16-JUN-1978 H/M/S= 02-33-40.6
LAT N= 36- 5.1 LONG W= 07-50.1 PROF= 60.0 KM MAG= 4.4
RMS= 0.8 ERH= 18.4 KM ERZ= KM NES= 9 IO=

CSEM 16-JUN-1978 H/M/S= 02-33-41.5
LAT N= 36- 6.0 LONG W= 07-36.0 PROF= KM MAG= 4.7
RMS= 0.8 ERH= 10.3 KM ERZ= KM NES= 44 IO=

LDG 16-JUN-1978 H/M/S= 02-33-47.6
LAT N= 36-30.0 LONG W= 07-18.0 PROF= KM MAG= 4.7
RMS= ERH= KM ERZ= KM NES= IO=

SPGM 16-JUN-1978 H/M/S= 02-33-43.5
LAT N= 35-36.0 LONG W= 08- 0.0 PROF= 33.0 KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

W E GIBRALTAR-ATLANTICO

JUN 16	CRT	E	11 02 18.0						
JUN 16	EBR	E	15 39 37.0	E	15 39 41.5				
JUN 16	STS	I	11 56 58.8						
JUN 16	LGR	E	16 45 42.5	I	16 45 52.0	0.2	0.8		
JUN 16	CRT	E	18 40 54.6						
JUN 17	CRT	E	13 38 07.5						

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
JUN 18	EBR	E	09 21 09.0						
JUN 18	EBR	E	14 32 03.5	E	14 32 37.0				
	LGR	I	14 31 47.3	I	14 32 9.2	0.5	0.9		
	LDG		18-JUN-1978 H/M/S= 14-31-15.8						
			LAT N= 43- 0.0 LONG W= 00-24.0 PROF= 10.0 KM MAG= 3.3						
			RMS= ERH= KM ERZ= KM NES= ID=						
	OLORON STE MARIE-FRANCIA								
	LDG		18-JUN-1978 H/M/S= 14-38-52.0						
			LAT N= 43- 0.0 LONG W= 00-24.0 PROF= 25.0 KM MAG= 2.8						
			RMS= ERH= KM ERZ= KM NES= ID=						
	OLORON STE MARIE-FRANCIA								
	REPLICA DEL SISMO DEL DIA 18 DE JUNIO DE 1978 A LAS 14H31M15.8S								
JUN 19	ALM	I	10 16 40.9	I	10 16 42.6				
JUN 19	TOL	E	13 23 09.0	E	13 23 15.0				
	TOL	E	13 59 04.5						
	LDG		19-JUN-1978 H/M/S= 23-55-53.1						
			LAT N= 43- 6.0 LONG W= 00-30.0 PROF= KM MAG= 3.1						
			RMS= ERH= KM ERZ= KM NES= ID=						
	OLORON STE MARIE-FRANCIA								
JUN 20	CRT	E	13 39 21.3						
JUN 20	EBR	E	14 13 39.0						
JUN 20	LGR	E	14 21 25.3	I	14 21 46.3				
JUN 20	TOL	E	15 18 58.0	E	15 19 7.0				
JUN 20	CRT	E	19 39 05.1						
JUN 21	LGR	I D	08 31 07.0	I	8 31 12.0	0.1	0.5		
	LGR	E	17 23 43.2	I	17 23 51.6	0.3	0.8		

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
JUN 21	EBR	E	20 50 48.0	E	20 51 19.5				
	LGR	I	20 50 28.9	I	20 50 50.4	0.9	0.8		
	LDG		21-JUN-1978 H/M/S= 20-49-57.9						
			LAT N= 43- 6.0 LONG W= 00-36.0 PROF= KM MAG= 3.4						
			RMS= ERH= KM ERZ= KM NES= IO=						
	OLORON STE MARIE-FRANCIA								
JUN 22	EBR	E	08 59 13.0	E	8 59 17.5				
	EBR	E	11 09 56.0	E	11 9 58.5				
JUN 22	STS	I	11 11 23.6	I	11 11 39.5				
JUN 22	EBR	E	11 20 59.5	E	11 21 18.5				
JUN 22	TOL	E	14 28 54.5	E	14 29 10.5				
JUN 22	CRT	E	15 06 58.7						
JUN 22	STS	E	15 16 35.0						
	IMGP		23-JUN-1978 H/M/S= 07-32-40.0						
			LAT N= 38-54.0 LONG W= 09-24.0 PROF= KM MAG= 3.6						
			RMS= ERH= KM ERZ= KM NES= IO=						
	MAFRA-PORTUGAL								
	SENTIDO II-III EN LISBOA,SINTRA,QUELUZ Y MAFRA(IMGP)								
JUN 23	CRT	E	15 00 05.9						
	CRT	E	15 19 21.7	E	15 19 28.2				
JUN 23	EBR	E	18 27 43.0	E	18 28 2.0				
	LDG		23-JUN-1978 H/M/S= 18-27-17.6						
			LAT N= 41-42.0 LONG E= 00-18.0 PROF= KM MAG= 2.7						
			RMS= ERH= KM ERZ= KM NES= IO=						
	BELVER-HU								
JUN 23	CRT	E	19 19 42.8	E	19 19 50.5				
JUN 24	TOL	E	14 02 37.5						
JUN 25	STS	E	16 03 25.5						
JUN 26	STS	I D	09 28 49.0						

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
JUN 26	LGR	E	11 52 20.2		11 52 36.8	0.4	0.5		
JUN 26	TOL	E	12 09 15.0	E	12 9 19.0				
JUN 26	TOL	E	14 26 56.0						

LDG 26-JUN-1978 H/M/S= 14-25-33.1
LAT N= 43- 6.0 LONG W= 00-24.0 PROF= 5.0 KM MAG= 3.1
RMS= ERH= KM ERZ= KM NES= IO=

PAU-FRANCIA

LDG 26-JUN-1978 H/M/S= 22-42- 6.6
LAT N= 43- 6.0 LONG W= 00-18.0 PROF= 25.0 KM MAG= 2.3
RMS= ERH= KM ERZ= KM NES= IO=

LOURDES-FRANCIA

IMGP 27-JUN-1978 H/M/S= 01-29-52.0
LAT N= 40- 0.0 LONG W= 08-42.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

SOURE-PORTUGAL
SENTIDO I-II EN SOURE

JUN 27	TOL	E	13 47 05.5						
	TOL	E	14 33 11.5	E	14 33 26.0				
JUN 27	ALM	I	16 01 06.2	I	16 1 11.0				
JUN 27	EBR	E	16 40 27.5						
JUN 27	TOL	E	17 27 11.0	I	17 27 31.0				
JUN 27	CRT	E	20 05 18.2						
JUN 27	EBR	E	22 33 19.0						

LDG 27-JUN-1978 H/M/S= 22-32- 0.7
LAT N= 43- 0.0 LONG W= 00-36.0 PROF= 5.0 KM MAG= 3.0
RMS= ERH= KM ERZ= KM NES= IO=

OLORON STE MARIE-FRANCIA

JUN 28	TOL	E	06 58 11.0						

				P				S					
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR DUR
JUN	28	EBR	E	10	02	59.0	E	10	3	3.0			
JUN	28	STS	I	11	08	27.0							
JUN	28	TOL	E	11	50	51.0							
JUN	28	EBR	E	15	14	57.0							
		EBR	E	16	52	10.0	E	16	52	13.5			
JUN	28	ALI	E	17	10	58.5	I	17	11	30.0	0.4	0.4	

SPGM 29-JUN-1978 H/M/S= 15-23-28.0
LAT N= 35-18.0 LONG W= 04- 6.0 PROF= 33.0 KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

W ALHUCEMAS-ALBORAN

JUN	29	TOL	E	16	00	35.0	E	16	0	39.0			
JUN	30	CRT	E	10	45	45.7							
JUN	30	STS	I	14	16	08.0							
JUL	01	EBR	E	07	59	21.0	E	7	59	50.0			
JUL	01	CRT	E	08	36	18.2	E	8	36	40.4			
JUL	01	TOL	E	11	19	06.0							
JUL	02	ALM	I C	00	36	04.1	I	0	36	9.0			
		TOL	E	00	36	53.0							
JUL	02	ALI	E	03	35	00.0	I	3	35	7.0	0.4	0.8	
		TOL	E	03	35	56.0							
JUL	02	EBR	E	07	59	21.0	E	7	59	50.0			
		LGR	E	07	58	05.9	I	7	58	27.9	0.1	0.8	

LDG 02-JUL-1978 H/M/S= 07-58-38.2
LAT N= 43- 6.0 LONG W= 00-24.0 PROF= KM MAG= 3.4
RMS= ERH= KM ERZ= KM NES= IO=

PAU-FRANCIA

JUL	02	TOL	E	08	00	29.0	E	8	0	48.0			
		TOL	E	10	15	54.0	E	10	16	28.0			

				P				S						
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
JUL	02	TOL	E	20	08	49.0	E	20	9	26.0				
		SPGM	02-JUL-1978 H/M/S= 20-06-27.0											
			LAT N= 35-48.0 LONG W= 09-12.0 PROF= 33.0 KM MAG=											
			RMS= ERH= KM ERZ= KM NES= IO=											
		SW C S VICENTE-ATLANTICO												
JUL	02	ALI	E	23	27	39.5	I	23	27	46.0	0.6	0.7		
		TOL	E	23	28	33.5								
JUL	03	EBR	E	10	04	07.0	E	10	4	10.0				
		EBR	E	10	49	45.0	E	10	49	58.0				
JUL	03	TOL	E	16	16	20.0	E	16	16	34.0				
JUL	03	LGR	E	18	59	23.0	I	18	59	31.5	0.2	0.9		
JUL	04	TOL	I	11	36	41.5	I	11	36	49.5				
JUL	04	EBR	E	16	47	08.0	E	16	47	13.0				
JUL	05	ALI	E	03	13	59.0	I	3	14	11.5	0.3	0.8		
		TOL	I	03	14	24.5	I	3	14	54.5	0.2	0.8		
		MAL	E	03	14	32.0	E	3	15	6.0				
		SSIS	05-JUL-1978 H/M/S= 03-13-45.2											
			LAT N= 38-31.4 LONG W= 01-26.0 PROF= 10.0 KM MAG= 3.3											
			RMS= 0.0 ERH= KM ERZ= KM NES= 3 IO=											
		JUMILLA-MU												
JUL	05	STS	I	11	24	29.0								
JUL	06	CRT	E	11	13	13.6	I	11	13	23.6				
JUL	06	STS	I	20	47	53.4								
JUL	06	TOL	E	15	14	19.0								
JUL	06	CRT	E	17	35	13.8	I	17	35	20.6				
JUL	07	TOL	E	10	10	00.0								
JUL	07	CRT	E	10	39	54.1	E	10	39	57.6				
JUL	07	EBR	E				E	10	44	10.0				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
JUL	07	MAL	E	14	11	14.8	I	14	11	16.7	0.1	0.8		
JUL	07	STS	I	14	11	28.0								
JUL	07	EBR	E	15	45	57.0	E	15	46	2.0				

LDG 07-JUL-1978 H/M/S= 15-48-15.5
LAT N= 42-48.0 LONG E= 01-54.0 PROF= 10.0 KM MAG= 2.7
RMS= ERH= KM ERZ= KM NES= IO=

FOIX-FRANCIA

JUL	07	EBR	E				F	15	52	25.0				
		EBR	E				E	17	47	45.0				
JUL	07	STS	E	19	37	52.0								
JUL	08	MAL	E	00	38	10.7	I	0	38	23.5	0.2	0.3		
		MAL	I C	11	25	42.0	I	11	25	43.0				
JUL	08	LGR	I C	19	57	58.5	I	19	58	7.8	2.0	0.6		
		EPF		19	58	13.8								
		EBR	E	19	58	29.0	E	19	59	4.0				
		LPO		19	58	32.0		19	59	6.7				
		TOL	E	19	58	39.0	E	19	59	20.0	0.1	0.8		260.0
		RJF		19	58	40.1		19	59	19.7				
		CAF		19	58	40.0								
		MFF		19	58	46.8								
		LSF		19	58	49.6		19	59	37.3				
		TCF		19	58	53.2		19	59	45.3				
		MZF		19	58	54.8								
		AVF		19	59	06.4								
		SMF		19	59	08.2								
		LBF		19	59	12.1		18	0	19.7				
		LOR		19	59	13.8		18	0	22.5				

SSIS 08-JUL-1978 H/M/S= 19-57-46.9
LAT N= 42-51.9 LONG W= 01-52.2 PROF= 20.0 KM MAG= 3.1
RMS= 0.1 ERH= 1.6 KM ERZ= 2.2 KM NES= 11 IO=

CSEM 08-JUL-1978 H/M/S= 19-57-46.0
LAT N= 42-54.0 LONG W= 01-48.0 PROF= KM MAG=
RMS= 0.3 ERH= 4.5 KM ERZ= KM NES= 18 IO=

LDG 08-JUL-1978 H/M/S= 19-57-44.7
LAT N= 42-36.0 LONG W= 02- 6.0 PROF= 35.0 KM MAG= 3.4
RMS= ERH= KM ERZ= KM NES= IO=

PAMPLONA-NA

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
JUL	08	EBR	E	20	16	35.5	E	20	17	6.5				
		LGR	E	20	16	01.6	I	20	16	10.7				
		LDG		08-JUL-1978			H/M/S= 20-15-46.9							
				LAT N= 42-42.0			LONG W= 01-48.0				PROF=	KM	MAG= 2.6	
				RMS=			ERH=	KM	ERZ=		KM	NES=	IO=	
		PAMPLONA-NA												
JUL	08	LGR	E	20	25	20.4	I	20	25	29.9				
		EPF		20	25	36.4								
		EBR	E	20	25	52.0								
		LPO		20	25	55.0								
		RJF		20	26	02.8		20	26	45.9				
		CAF		20	26	02.2		20	26	44.9				
		TOL	E	20	26	10.5		20	26	56.5				
		LSF		20	26	10.9		20	27	1				
		TCF		20	26	15.0								
		MZF		20	26	17.2								
		SSIS		08-JUL-1978			H/M/S= 20-25- 8.5							
				LAT N= 42-57.7			LONG W= 01-51.2				PROF= 10.0 KM		MAG= 2.8	
				RMS= 1.7			ERH= 15.6 KM		ERZ=		KM	NES= 10	IO=	
		LDG		08-JUL-1978			H/M/S= 20-25- 6.1							
				LAT N= 42-42.0			LONG W= 02-12.0				PROF= 30.0 KM		MAG= 2.8	
				RMS=			ERH=	KM	ERZ=		KM	NES=	IO=	
		PAMPLONA-NA												
JUL	08	EBR	E	20	47	34.0	E	20	48	4.0				
		LGR	E	20	46	58.4	I	20	47	7.5				
		TOL	E				E	20	48	33.5				
		LDG		08-JUL-1978			H/M/S= 20-46-43.8							
				LAT N= 42-36.0			LONG W= 01-54.0				PROF=	KM	MAG= 2.7	
				RMS=			ERH=	KM	ERZ=		KM	NES=	IO=	
		TAFALLA-NA												
JUL	08	EBR	E	23	07	37.0	E	23	8	8.0				
		LGR	E	23	07	08.0	I	23	7	17.1				
JUL	09	STS	E	07	30	03.0								
JUL	10	EBR	E				E	10	50	15.0				

				P				S				
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
JUL	10	TOL	E	12	18	32.0								
		TOL	E	12	24	29.5	E	12	24	49.0				
		TOL	E	13	11	11.0	E	13	11	20.0				
JUL	10	STS	I	14	27	17.6								
		TOL	E	14	29	14.5								
JUL	10	LGR	E	18	27	37.7	I	18	27	46.6				
JUL	11	LGR					E	6	1	43.1				
JUL	11	TOL	E	08	51	56.0	I	8	52	10.0				
JUL	11	EBR	E	09	03	31.0	E	9	3	33.5				
JUL	11	ALM	I D	12	28	03.9	I	12	28	21.8				
JUL	11	TOL	E	13	10	16.0	E	13	10	40.0				
JUL	11	ALM	I C	13	50	11.3	I	13	50	15.0				
JUL	11	STS	I	15	32	31.6								
JUL	11	EBR	E	16	43	54.0	E	16	44	0				
JUL	12	EBR	E				E	10	53	7.0				
JUL	12	ALM	I C	15	08	12.2	I	15	8	14.4				
JUL	12	CRT	I	17	39	18.5	I	17	39	22.0				
JUL	12	STS	I	18	54	07.0								
		STS	I	19	14	14.0								
JUL	12	STS	I	19	48	02.0								
		TOL	E	19	45	38.0	E	19	45	57.0				
JUL	13	EBR	E				E	2	57	45.0				
JUL	13	CRT	E	11	22	05.4								
JUL	13	EBR	E				E	11	45	10.0				
		EBR	E				E	11	52	44.0				
JUL	13	CRT	E	12	04	40.8	E	12	4	48.8				
JUL	13	TOL	E	16	04	37.0	E	16	4	51.0				
JUL	13	MAL	I	19	23	36.0	I	19	23	41.0	0.2	0.3		

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
JUL	13	STS	E	21	46	34.2								
JUL	14	STS	I	10	20	19.6	E	10	20	49.3				

IMGP 14-JUL-1978 H/M/S= 10-19-41.0
LAT N= 40-48.0 LONG W= 08- 6.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= ID=

VOUZELA-PORTUGAL
SENTIDO II EN VOUZELA

JUL	14	EBR	E	11	47	49.0	E	11	47	52.0				
JUL	14	CRT	E	12	43	50.0								
JUL	14	STS	E	13	23	43.0	E	13	24	38.0				
JUL	14	CRT	I D	17	14	51.3								
JUL	14	EBR	E				E	18	29	42.0				
JUL	15	STS	E	07	51	51.0								
JUL	15	CRT	E	23	12	33.0								
JUL	16	EBR	E	11	13	44.0	E	11	14	7.0				

LDG 16-JUL-1978 H/M/S= 11-13-13.2
LAT N= 42-12.0 LONG E= 01-54.0 PROF= KM MAG= 2.3
RMS= ERH= KM ERZ= KM NES= ID=

BERGA-B

JUL	16	ALM	I C	19	20	58.7	I	19	21	8.8				
		CRT	I C	19	20	58.5	I	19	21	11.5				
		MAL	E	19	21	12.0	I	19	21	35.0		0.1	0.5	
		TOL	I	19	21	39.5	I	19	22	13.0				110.0

SSIS 16-JUL-1978 H/M/S= 19-20-50.1
LAT N= 36-57.4 LONG W= 03- 2.1 PROF= 5.0 KM MAG= 2.7
RMS= 1.2 ERH= KM ERZ= KM NES= 4 ID=

UGIJAR-GR

JUL	17	EBR	E				E	10	16	46.0				
JUL	17	CRT	E	11	35	03.5								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
JUL	17	STS	I	12	11	53.6	I	12	12	8.5				
JUL	17	CRT	E	12	54	52.4								
JUL	17	LGR	E	13	38	19.5	I	13	38	32.0	0.3	1.0		
JUL	17	FAR		14	16	13.5		14	16	24.5				
		LIS		14	16	24.6		14	16	43.9				
		COI		14	16	37.3		14	17	7.2				
		MTE		14	16	39.1								
		MAL	E	14	16	45.0								
		PTO		14	16	50.1		14	17	27.5				
		TOL	E	14	17	41.0	I	14	17	50.0	0.3	0.7		
		AVE	I	14	17	06.0	I	14	17	56.5				
		IFR	E	14	17	08.0	I	14	18	0				
		STS	I D	14	17	14.3								
		HAD	I	14	17	32.0	I	14	18	33.0				
		TIO	I	14	17	37.5	I	14	18	52.0				

SSIS 17-JUL-1978 H/M/S= 14-15-58.8
LAT N= 37-47.9 LONG W= 07-40.3 PROF= 14.8 KM MAG= 3.8
RMS= 1.1 ERH= 12.7 KM ERZ= KM NES= 9 IO=

CSEM 17-JUL-1978 H/M/S= 14-15-58.8
LAT N= 37-48.0 LONG W= 08- 0.0 PROF= KM MAG=
RMS= 0.3 ERH= 5.0 KM ERZ= KM NES= 10 IO=

SPGM 17-JUL-1978 H/M/S= 14-16- 0.0
LAT N= 37-30.0 LONG W= 07-36.0 PROF= 33.0 KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

IMGP 17-JUL-1978 H/M/S= 14-15-56.0
LAT N= 37-48.0 LONG W= 07-36.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

BEJA-PORTUGAL
SENTIDO II-III EN BEJA(IMGP)

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
JUL	17	EBR	E				E	14	21	5.0				
JUL	17	CRT	I	15	27	07.1	I	15	27	8.2				
		EBR	E				E	15	29	41.0				
JUL	17	LGR	E	17	51	02.1	I	17	51	8.5	0.3	0.7		
JUL	17	CRT	E	18	05	25.4	E	18	5	26.3				
JUL	17	LGR	E	18	11	04.1	I	18	11	10.5	1.5	0.7		
		LGR	E	18	52	55.6	I	18	53	3.5	0.6	0.7		
JUL	17	STS	I	19	56	50.4								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
JUL	18	EBR	E				E	12	28	52.0				
JUL	18	TOL	E	14	31	25.0	E	14	32	5.0				
JUL	18	EBR	E				E	14	43	45.0				
JUL	19	EBR	E				E	11	31	51.0				
JUL	19	ALM	I D	13	05	23.0	I	13	5	25.8				
JUL	19	EBR	E	15	32	07.0	E	15	32	26.5				
JUL	19	STS	I	19	15	53.0								
JUL	20	STS	E	11	14	23.0								
		STS	I	11	55	20.0								
JUL	20	TOL	E	14	28	54.0	I	14	29	9.5				
JUL	20	EBR	E				E	16	25	42.0				
JUL	20	STS	E	17	39	44.4								
JUL	20	EBR	E				E	19	44	34.0				
JUL	21	TOL	E	12	20	55.0	E	12	21	0				
JUL	21	CRT	E	12	43	28.0								
JUL	21	LGR	I	14	49	27.0	I	14	49	35.5	0.6	0.9		
JUL	21	EBR	E	15	55	55.0	E	15	55	59.5				
		EBR	E				E	16	29	18.0				
JUL	22	STS	E	06	27	04.0								
JUL	22	CRT	E	12	00	34.0								
JUL	23	LGR	I	08	13	10.2	I	8	13	20.7				
JUL	23	STS	I C	10	03	50.0	E	10	4	36.0				
JUL	23	LGR	E	17	58	31.0	I	17	58	43.5	0.3	0.9		
JUL	24	MAL	E	00	45	04.5	E	0	45	10.2				
		MAL	E	03	12	28.0	E	3	12	33.7				
JUL	24	TOL	E	12	33	14.0	E	12	33	26.0				
		TOL	E				E	14	29	33.0				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
JUL	24	ARR		18	34	59.0		18	35	12.5				
		COI	E	18	35	16.0		18	35	36.6				
		TOL	E	18	36	18.0	E	18	36	22.0				
JUL	25	STS	E	15	19	33.4								
JUL	26	EBR	E	02	40	31.0	E	2	41	6.5				
		TOL	E	02	41	03.0	E	2	41	50.0				

LDG 26-JUL-1978 H/M/S= 02-39-41.2
LAT N= 43- 6.0 LONG W= 00-54.0 PROF= KM MAG= 3.3
RMS= ERH= KM ERZ= KM NES= ID=

TARDETS-FRANCIA

JUL	26	CRT	I	C	08	53	48.0		8	53	52.0			
		MAL	I	C	08	53	52.8		8	53	59.9	0.2	0.5	
		ALM	I	D	08	54	01.6		8	54	17.8			

PSIS 26-JUL-1978 H/M/S= 08-53-42.5
LAT N= 36-59.1 LONG W= 03-41.5 PROF= 9.4 KM MAG= 2.5
RMS= 0.1 ERH= 0.3 KM ERZ= 0.3 KM NES= 4 ID=
SSIS 26-JUL-1978 H/M/S= 08-53-40.9
LAT N= 37-11.5 LONG W= 03-55.5 PROF= 40.0 KM MAG= 2.5
RMS= 0.3 ERH= 0.3 KM ERZ= 0.3 KM NES= 3 ID=

PADUL-GR

JUL	26	CRT	E	09	50	57.0								
JUL	26	TOL	E				I	14	28	0				
JUL	26	CRT	E	17	47	03.0	I	17	47	5.3				

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
JUL 26	FAR	I	21 30 46.4		21 30 53.9				
	MAL	E	21 31 15.0	E	21 31 43.0				
	AVE	E	21 31 27.0	I	21 32 4.0				
	COI	E	21 31 29.7	I	21 32 10.0				
	IFR	I	21 31 29.5	I	21 32 8.5				
	TOL	E	21 31 37.0			0.8			
	HAD	I	21 31 53.5	I	21 32 50.0				
	TIO	I	21 31 59.0	I	21 32 59.0				
	BME	I	21 31 59.0	I	21 32 59.0				
	STS	I	21 32 00.0						
	SSIS		26-JUL-1978 H/M/S= 21-30-34.8						
			LAT N= 36-40.1 LONG W= 07-32.9		PROF= 60.0 KM		MAG= 3.1		
			RMS= 0.7 ERH= 9.2 KM ERZ=		KM NES= 9		IO=		
	SPGM		26-JUL-1978 H/M/S= 21-30-39.0						
			LAT N= 36-12.0 LONG W= 07-36.0		PROF= 33.0 KM		MAG=		
			RMS= ERH=		KM ERZ=	KM NES=		IO=	
	GOLFO DE CADIZ								
JUL 27	MAL	E	11 58 41.5	E	11 58 43.5				
JUL 27	TOL	E	13 07 33.0	E	13 8 3.0				
JUL 27	EBR	E	14 42 24.0	E	14 42 28.0				
JUL 27	LGR	I	17 22 48.3	I	17 22 53.2	0.5	0.8		
JUL 27	STS	I	17 37 15.4						
JUL 27	CRT	E	18 14 31.2						
JUL 28	STS	I	04 01 20.0						
	STS	I	05 17 03.0						
JUL 28	CRT	E	12 40 29.7						
JUL 28	ALM	E	13 42 10.1	I	13 42 15.9				
JUL 28	MAL	I D	14 11 48.3	E	14 11 49.1				
	MAL	I	14 25 07.8	I	14 25 14.9	0.8	0.3		
JUL 28	TOL	E	14 41 32.0	I	14 41 54.5	0.1	0.8		

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
JUL 28	EBR	E	21 05 27.0						
	ALI	I C	21 05 30.7	I	21 5 56.9	2.5	1.5		
	EPF		21 05 53.7						
	ALM	I D	21 06 01.1	I	21 7 33.3				
	LGR	E D	21 06 06.5	I	21 7 4.0				
	TEC	I	21 06 02.5						
	CRT	E	21 06 03.1	I	21 7 42.6				
	TOL	I	21 06 05.0	I	21 7 3.0				
	LMR		21 06 08.6		21 7 6.8				
	LRG		21 06 09.6		21 7 7.5				
	SPF		21 06 12.6		21 7 12.5				
	LPO		21 06 13.4						
	TAF	I	21 06 09.5						
	LFF		21 06 17.2						
	RJF		21 06 20.8						
	IFR	I	21 06 45.7						

SSIS 28-JUL-1978 H/M/S= 21-04-49.5
LAT N= 39- 0.3 LONG E= 02-31.8 PROF= 20.0 KM MAG= 4.2
RMS= 2.5 ERH= 20.1 KM ERZ= KM NES= 14 IO=

CSEM 28-JUL-1978 H/M/S= 21-04-48.3
LAT N= 39- 0.3 LONG E= 02-12.0 PROF= KM MAG= 4.2
RMS= 0.4 ERH= 5.4 KM ERZ= KM NES= 29 IO=

LDG 28-JUL-1978 H/M/S= 21-04-51.4
LAT N= 38-54.0 LONG E= 02-12.0 PROF= 25.0 KM MAG= 4.2
RMS= ERH= KM ERZ= KM NES= IO=

E IBIZA-MEDITERRANEO
SENTIDO EN MALLORCA(TOL)

JUL 29	STS	I	06 50 46.0						
JUL 29	ALI	E	08 00 25.6	E	8 0 51.6	0.1	0.5		
JUL 29	CRT	E	11 17 28.5						
	CRT	E	12 32 01.9						
JUL 30	LGR	E	10 18 54.0	I	10 19 30.0				
	TOL	E	10 19 13.0	I	10 20 26.0	0.2	0.9		
	EBR		10 19 21.0						
JUL 30	CRT	E	11 07 04.0						
JUL 31	TOL	E		I	14 30 23.5				
	TOL	E	15 12 47.0	I	15 13 27.5				
JUL 31	STS	I	16 19 22.8	E	16 20 1.7				
AGO 01	CRT	E	10 15 14.2						

				P				S					
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
AGO	01	LGR	E	14	25	40.0	I	14	25	53.5				
AGO	01	CRT	E	17	46	14.6	I	17	46	36.5				
AGO	02	MAL	E	11	37	48.0	I	11	37	53.0				
AGO	02	CRT	E	20	49	49.0								
AGO	03	TOL					I	10	50	35.5				
		TOL					I	14	25	45.5				
AGO	03	ALM	I D	16	00	14.7	I	16	0	18.5				
AGO	03	LGR	E	17	07	18.6	I	17	7	25.0				
AGO	04	ALI	E	11	35	42.0								
AGO	07	LGR	E	12	04	15.2	I	12	4	33.4				
AGO	07	STS	I	14	30	41.6	I	14	31	18.9				
AGO	07	TOL					I	15	33	48.5				
AGO	08	MAL	I D	05	18	11.0	I	5	18	16.0				
AGO	08	STS	I	15	08	52.6								
AGO	08	CRT	E	15	59	05.0								
		CRT	E	16	01	29.0								
		CRT	E	16	06	58.0								
		CRT	E	16	23	48.0								
		CRT	E	17	01	41.0								
AGO	08	LGR	I C	18	22	55.7	I	18	23	3.4				

LDG 09-AGO-1978 H/M/S= 11-07-49.0
LAT N= 42-24.0 LONG E= 02- 6.0 PROF= 15.0 KM MAG= 2.6
RMS= ERH= KM ERZ= KM NES= IO=

RIBAS DE FRESSER-GE

AGO	09	LGR	I C	11	18	30.1	I	11	18	25.2	0.2	1.0		
		TOL	I	11	18	57.0	I	11	19	37.0				12.

LDG 09-AGO-1978 H/M/S= 11-17-55.0
LAT N= 42-24.0 LONG W= 04-12.0 PROF= KM MAG= 3.3
RMS= ERH= KM ERZ= KM NES= IO=

VILLASANDINO-BU

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
AGO	09	ALM	I C	16	12	38.0	I	16	12	39.5				
AGO	10	ALM	I D	08	08	22.8	I	8	8	33.0				
		CRT	I C	08	08	24.4								
AGO	10	MAL	I C	12	05	24.0	I	12	5	25.0				
AGO	10	STS	E	12	07	26.0								
AGO	10	ALM	I C	15	22	07.7	I	15	22	9.0				
		CRT	E	15	23	59.0								

LOC 10-AGO-1978 H/M/S= 15-44-51.2
LAT N= 42-48.0 LONG E= 01-54.0 PROF= 15.0 KM MAG= 2.5
RMS= ERH= KM ERZ= KM NES= IO=

BELCAIRE-FRANCIA

AGO	10	STS	E	20	04	05.5								
AGO	11	STS	I	02	35	31.0								

IMGP 11-AGO-1978 H/M/S= 02-34-35.0
LAT N= 38-48.0 LONG W= 08-54.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

LISBOA-PORTUGAL

AGO	11	CRT	E	11	20	28.4								
AGO	11	LGR	E	11	41	41.6	E	11	41	55.0				
AGO	11	STS	I	11	58	46.6								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
AGO	11	FAR	E	12	02	40.0	I	12	3	6.1				
		LIS		12	02	45.0								
		AVE	I	12	02	59.5	I	12	3	36.5				
		COI	I	12	03	06.8	I	12	3	53.1				
		MTE	I	12	03	15.5	I	12	4	2.0				
		MAL	I	12	03	16.0	I	12	4	10.0				
		IFR	I	12	03	17.0	I	12	4	10.0				
		PTO	I	12	03	18.3	I	12	4	13.0				
		CRT	I C	12	03	26.7								
		BME	I	12	03	30.0	I	12	4	33.0				
		YBT	I	12	03	30.0	I	12	4	35.0				
		TOL	I C	12	03	34.5	I	12	4	41.6	0.3	0.9		<50.0
		HAO	I	12	03	40.0	I	12	4	49.0				
		STS	I	12	03	39.0	E	12	4	51.1				
		LGR	I C	12	04	09.6	E	12	5	28.5				
		EPF		12	04	36.4		12	6	28.5				
		LEC		12	04	54.8		12	7	4.2				
		LPO		12	04	56.1		12	7	5.7				
		RJF		12	05	03.2		12	7	16.7				
		CAF		12	05	04.4		12	7	18.1				

SSIS 11-AGO-1978 H/M/S= 12-01-59.2
LAT N= 36- 3.2 LONG W= 10-54.3 PROF= 60.0 KM MAG= 4.2
RMS= 0.9 ERH= 14.2 KM ERZ= KM NES= 10 IO=

CSEM 11-AGO-1978 H/M/S= 12-01-53.6
LAT N= 35-48.0 LONG W= 11-24.0 PROF= KM MAG=
RMS= 4.3 ERH= 38.4 KM ERZ= KM NES= 9 IO=

LDG 11-AGO-1978 H/M/S= 12-02- 3.5
LAT N= 36-18.0 LONG W= 10-18.0 PROF= KM MAG= 4.6
RMS= ERH= KM ERZ= KM NES= IO=

SPGM 11-AGO-1978 H/M/S= 12-02-10.0
LAT N= 35-36.0 LONG W= 10- 6.0 PROF= 33.0 KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

IMGP 11-AGO-1978 H/M/S= 12-02- 5.0
LAT N= 36-48.0 LONG W= 09-30.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

SW C S VICENTE-ATLANTICO

AGO	11	ALM	I C	15	31	22.2	I	15	31	23.5				
AGO	11	STS	E	17	31	20.4								
		STS	I	17	59	47.6								
		STS	I	18	06	53.0								
AGO	12	LGR	E	10	20	25.6	E	10	20	41.0				
AGO	12	MAL	E	18	19	23.5	I	18	19	31.0				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
AGO	14	CRT	E	09	22	42.7	E	9	22	45.4				
AGO	14	SFS	I C	14	18	03.5	I	14	18	9.0				
		FAR	I	14	18	07.2								
		MAL	I C	14	18	23.5	I	14	18	45.0				
		CRT	I C	14	18	34.9								
		LIS	I	14	18	34.5	I	14	19	7.5				
		AVE	I	14	18	37.0	I	14	19	8.5				
		ALR	I	14	18	38.3	E	14	19	12.7				
		IFR	I	14	18	38.5	I	14	19	12.5				
		ALM	I D	14	18	44.9	I	14	19	24.2				
		COI	I	14	18	48.9	I	14	19	31.1				
		MTE	I	14	18	49.0		14	19	30.0				
		TOL	E	14	18	52.0	I	14	19	40.0	1.6	0.4		550.0
		HAD	I	14	19	05.0	I	14	20	0				
		BME	I	14	19	08.5	I	14	20	7.0				
		ALI	I D	14	19	10.0	I	14	20	10.1				
		STS	I D	14	19	24.5	I	14	20	34.5				
		LGR	I D	14	19	31.1	I	14	20	45.0	0.1	0.7		
		EPF		14	19	53.9		14	21	26.2				
		LFF		14	20	15.9		14	22	6.2				
		LPO		14	20	15.6		14	22	2.9				
		CAF		14	20	21.3		14	22	21.2				
		RJF		14	20	24.0		14	22	37.5				

SSIS 14-AGO-1978 H/M/S= 14-17-49.6
LAT N= 36-24.1 LONG W= 07- 1.0 PROF= 60.0 KM MAG= 4.9
RMS= 0.6 ERH= 3.5 KM ERZ= 10.1 KM NES= 15 IO=

CSEM 14-AGO-1978 H/M/S= 14-17-50.3
LAT N= 36-30.0 LONG W= 07- 0.0 PROF= KM MAG=
RMS= 0.9 ERH= 6.0 KM ERZ= KM NES= 77 IO=

LDG 14-AGO-1978 H/M/S= 14-17-51.2
LAT N= 36-48.0 LONG W= 07- 6.0 PROF= KM MAG= 4.8
RMS= ERH= KM ERZ= KM NES= IO=

SPGM 14-AGO-1978 H/M/S= 14-17-53.0
LAT N= 36- 0.0 LONG W= 07-48.0 PROF= 33.0 KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

IMGP 14-AGO-1978 H/M/S= 14-17-51.0
LAT N= 37-24.0 LONG W= 06-42.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

GOLFO DE CADIZ
SENTIDO III-IV EN LA REGION DEL ALGARVE
II EN LISBOA(IMGP)
EN LAS PROVINCIAS DE HUELVA Y SEVILLA(SFS)

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

LDG 14-AGO-1978 H/M/S= 20-30-32.7
LAT N= 42-54.0 LONG E= 00-12.0 PROF= 10.0 KM MAG= 2.7
RMS= ERH= KM ERZ= KM NES= ID=

BAGNERES DE BIGORRE-FRANCIA

LDG 15-AGO-1978 H/M/S= 16-08- 3.1
LAT N= 43-24.0 LONG W= 00-48.0 PROF= 15.0 KM MAG= 2.5
RMS= ERH= KM ERZ= KM NES= ID=

ORTHEZ-FRANCIA

AGO	15	STS	I		08	34	11.0							
AGO	16	TOL	E		14	30	11.0	E	14	30	22.5			
AGO	16	MAL	E		14	35	48.0	I	14	35	53.0			
AGO	16	STS	E		14	51	24.2							
		STS	I		16	15	16.2	E	16	16	7.5			
AGO	16	CRT	E		17	47	47.9	I	17	47	57.5			
AGO	17	TOL	E		11	03	21.0	E	11	3	42.0			

LDG 17-AGO-1978 H/M/S= 15-42-17.1
LAT N= 42-24.0 LONG E= 02- 6.0 PROF= 5.0 KM MAG= 3.2
RMS= ERH= KM ERZ= KM NES= ID=

RIBAS DE FRESSER-GR

AGO	18	LGR	E		11	37	11.0	E	11	37	26.0			
AGO	18	CRT	E		12	28	34.5	E	12	28	42.8			
AGO	18	TOL	E		13	08	48.0	E	13	8	54.0			
		TOL	E		13	15	01.5	E	13	15	5.0			
		TOL	E		14	26	34.0	E	14	26	49.5			
AGO	19	LGR	I		04	21	10.0	I	4	21	32.5			

LDG 19-AGO-1978 H/M/S= 04-20-37.3
LAT N= 43-24.0 LONG W= 00-42.0 PROF= 5.0 KM MAG= 3.6
RMS= ERH= KM ERZ= KM NES= ID=

ORTHEZ-FRANCIA
SENTIDO III-IV EN ARTHEZ(PIST)

			P				S						
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
AGO	19	STS	E	11	05	22.8								
AGO	19	MAL	E	20	39	41.0	E	20	39	45.7				

LDG 20-AGO-1978 H/M/S= 07-51-11.5
LAT N= 43- 0.0 LONG E= 00-12.0 PROF= KM MAG= 3.3
RMS= ERH= KM ERZ= KM NES= IO=

BAGNERES DE BIGORRE-FRANCIA

AGO	20	LGR	E	22	10	16.5	I	22	10	39.0				

LDG 20-AGO-1978 H/M/S= 22-09-43.0
LAT N= 43-24.0 LONG W= 00-48.0 PROF= 5.0 KM MAG= 3.2
RMS= ERH= KM ERZ= KM NES= IO=

ORTHEZ-FRANCIA

AGO	20	STS	I	22	51	18.4	E	22	51	41.3				
AGO	21	ALM	I D	11	54	17.8	I	11	54	18.5				
		ALM	I C	14	52	45.6	I	14	52	51.0				
AGO	21	LGR	E	22	16	40.5	E	22	17	16.5				
		TOL	E	22	17	07.8	E	22	17	54.9		0.1	0.8	
AGO	21	STS	I	22	36	46.4	I	22	37	4.3				
		STS	I	22	15	55.4	I	22	16	13.3				
AGO	22	LGR	E	12	04	42.0	I	12	4	47.2				
AGO	22	CRT	E	12	49	44.5	I	12	49	54.7				

LDG 22-AGO-1978 H/M/S= 13-44-24.4
LAT N= 42-48.0 LONG E= 01-48.0 PROF= 5.0 KM MAG= 2.6
RMS= ERH= KM ERZ= KM NES= IO=

FOIX-FRANCIA

AGO	22	TOL	E	14	26	48.0	E	14	27	3.0				
AGO	22	STS	E	15	09	00.7	E	15	9	21.6				
AGO	22	CRT	E	16	52	40.6	E	16	52	50.5				
AGO	23	CRT	E	08	00	50.8	I	8	0	57.0				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
AGO	23	STS	I	13	31	57.1								
		LDG		23-AGO-1978		H/M/S= 13-46-31.5								
				LAT N= 43-42.0		LONG E= 02-18.0		PROF=		KM			MAG= 2.7	
				RMS=		ERH=		KM	ERZ=	KM	NES=		IO=	
		CASTRES-FRANCIA												
AGO	23	MAL	E	18	06	49.6	I	18	6	51.9				
		MAL	E	20	45	46.0	E	20	45	54.0				
		LDG		23-AGO-1978		H/M/S= 20-48- 8.5								
				LAT N= 42-24.0		LONG E= 02-24.0		PROF= 15.0		KM			MAG= 2.6	
				RMS=		ERH=		KM	ERZ=	KM	NES=		IO=	
		CAMPRODON-GE												
AGO	24	CRT	E	09	34	30.0	E	9	34	31.5				
AGO	24	TOL	E	14	33	25.5	E	14	33	39.0				
AGO	25	CRT	E	03	30	19.6	E	3	30	28.5				
		CRT	E	09	15	25.0	E	9	15	32.6				
AGO	25	TOL	E	12	06	05.5	I	12	6	9.0				
AGO	25	STS	I	12	38	32.9								
AGO	25	TOL	E	13	03	20.0								
		TOL	E	15	00	07.0	E	15	0	28.0				
AGO	25	CRT	E	15	39	10.5	E	15	39	15.7				
		CRT	E	16	56	10.8	E	16	56	17.6				
AGO	26	ALI	E	01	51	09.0								
AGO	26	CRT	E	14	57	18.1	I	14	57	35.2				
		CRT	E	16	19	21.3	E	16	19	31.3				
AGO	26	LGR	I C	16	31	00.5	I	16	31	7.0				
AGO	27	STS	I	07	31	06.3	I	7	31	14.2				
AGO	28	ALI	E	11	02	04.3		11	2	10.9				
AGO	28	ALM	I C	17	00	21.7	I	17	0	22.2				
AGO	28	STS	E	21	04	49.0								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
AGO	29	LGR	I C	15	49	35.4	I	15	49	41.8				
AGU	29	TOL	E	15	55	48.0	E	15	56	18.0				

LDG 29-AGO-1978 H/M/S= 21-00-11.9
LAT N= 43-42.0 LONG E= 03-18.0 PROF= 5.0 KM MAG= 2.5
RMS= ERH= KM ERZ= KM NES= IO=

LODEVE-FRANCIA

LDG 29-AGO-1978 H/M/S= 22-23-48.3
LAT N= 43-42.0 LONG E= 03-18.0 PROF= 5.0 KM MAG= 3.9
RMS= ERH= KM ERZ= KM NES= IO=

LODEVE-FRANCIA

AGO 29 TOL E 22 26 10.0 E 22 27 25.0

LDG 29-AGO-1978 H/M/S= 23-40-47.6
LAT N= 43-42.0 LONG E= 03-18.0 PROF= KM MAG= 2.5
RMS= ERH= KM ERZ= KM NES= IO=

LODEVE-FRANCIA

LDG 30-AGO-1978 H/M/S= 00-12- 3.1
LAT N= 43-42.0 LONG E= 03-18.0 PROF= KM MAG= 1.8
RMS= ERH= KM ERZ= KM NES= IO=

LODEVE-FRANCIA

LDG 30-AGO-1978 H/M/S= 00-58-45.5
LAT N= 43-42.0 LONG E= 03-12.0 PROF= KM MAG= 1.9
RMS= ERH= KM ERZ= KM NES= IO=

LODEVE-FRANCIA

AGO	30	TOL	E	14	27	30.0	E	14	27	48.0				
		TOL	E	14	32	08.0	I	14	32	23.5				
AGO	30	CRT	E	15	28	36.4	I	15	28	47.1				
AGO	30	LGR	E	16	54	35.3	I	16	54	44.7				
AGO	30	ALM	I C	18	45	35.0	I	18	45	36.5				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
		LDG		30-AGO-1978		H/M/S= 22-26-38.1								
				LAT N= 43-42.0		LONG E= 03-24.0		PROF= 5.0 KM					MAG= 2.1	
				RMS=		ERH=		KM ERZ=		KM	NES=		ID=	
		LODEVE-FRANCIA												
		LDG		30-AGO-1978		H/M/S= 23-01- 8.0								
				LAT N= 43-42.0		LONG E= 03-18.0		PROF= 10.0 KM					MAG= 2.6	
				RMS=		ERH=		KM ERZ=		KM	NES=		ID=	
		LODEVE-FRANCIA												
AGO	31	ALM	I C	06	51	10.8	I	6	51	20.8				
		ALM	I C	09	56	17.5	I	9	56	19.5				
		LDG		31-AGO-1978		H/M/S= 10-58-50.0								
				LAT N= 43-42.0		LONG E= 03-30.0		PROF=		KM			MAG= 2.3	
				RMS=		ERH=		KM ERZ=		KM	NES=		ID=	
		LODEVE-FRANCIA												
SEP	01	CRT	E	11	09	32.2	I	11	9	37.8				
		LDG		01-SEP-1978		H/M/S= 11-31-44.0								
				LAT N= 43-42.0		LONG E= 03-12.0		PROF= 5.0 KM					MAG= 2.4	
				RMS=		ERH=		KM ERZ=		KM	NES=		ID=	
		LODEVE-FRANCIA												
SEP	01	LGR	E	12	52	21.3	I	12	52	38.9				
SEP	01	LBR	E					15	12	31.0				
SEP	02	LGR	E	16	23	28.1	I	16	23	38.6				
SEP	03	LGR	I	05	10	58.0	I	5	13	20.2				
SEP	03	STS	I	10	04	22.2		10	5	45.9				
SEP	03	LGR	E	10	05	22.3	I	10	7	50.2				
		STS	I	16	47	17.8		16	47	51.9				
SEP	04	LBR	E	09	13	12.0	E	9	13	15.5				
SEP	04	TOL	E	09	32	09.5								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
SEP	04	CRT	I D	12	03	30.9								
SEP	04	STS	E	13	39	28.0								
		TOL	E	13	37	40.0	E	13	39	7.5				
		CSEM	04-SEP-1978 H/M/S= 13-36- 3.2											
			LAT N= 36-36.0 LONG E= 03-18.0 PROF= KM MAG= 4.2											
			RMS= 0.7 ERH= 7.3 KM ERZ= KM NES= 18 IO=											
		LDG	04-SEP-1978 H/M/S= 13-36- 4.3											
			LAT N= 36-36.0 LONG E= 03-24.0 PROF= KM MAG= 4.2											
			RMS= ERH= KM ERZ= KM NES= IO=											
		FONDOUK-ARGELIA												
SEP	05	ALM	I C	10	41	34.2	I	10	41	37.9				
SEP	05	TOL	E	11	36	21.0	E	11	36	29.0				
		TOL	E				E	12	41	49.0				
SEP	05	ALM	I D	13	56	58.5	I	13	57	9.5				
SEP	05	TOL	E	14	27	27.5	I	14	27	43.0	0.1	0.8		
SEP	06	ALM	I C	06	34	58.0	I	6	35	3.7				
SEP	06	STS	E	10	45	45.0								
SEP	06	LGR	E	12	10	37.5	I	12	10	45.0				
SEP	06	TOL	E	14	28	37.5	I	14	28	53.5				
SEP	07	ALM	E	13	52	21.5	I	13	52	23.8				
SEP	07	TOL	E	14	29	33.0	I	14	29	47.0				
SEP	07	LGR	I	15	57	18.9	I	15	57	26.3	0.1	0.8		
SEP	07	CRT	E	16	05	10.1								
SEP	07	LGR	I	17	28	22.7	I	17	28	29.1	0.1	0.5		
SEP	07	EBR					E	18	35	7.0				
SEP	08	STS	E	04	06	08.0								
SEP	08	EBR	E	11	06	39.0	E	11	6	42.0				
SEP	08	CRT	E	11	10	46.2								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
SEP	08	EBR					E	11	16	38.0				
SEP	08	TOL	E	13	46	46.5								
SEP	08	LGR	I	14	05	26.2	I	14	5	45.6	0.2	0.6		
SEP	09	STS	E	03	58	49.0								
SEP	09	CRT	E	05	55	04.1	I		5	55 10.4				
SEP	10	LGR	I	14	06	31.0	E	14	6	44.5	0.2	0.5		
SEP	11	STS	I	04	00	29.0								
		STS	I	18	15	18.0								
SEP	11	ALI	E	19	47	44.3	I	19	47	56.2				
		ALM	E	19	47	57.5	I	19	48	17.1				
		CRT	E	19	48	10.2								
		EBR		19	48	33.0		19	49	17.0				
		TOL	E	19	48	25.0	E	19	49	5.5	0.1	0.7		165.0
		SSIS	11-SEP-1978 H/M/S= 19-47-32.7											
			LAT N= 37-29.6 LONG W= 00-42.6 PROF= 40.0 KM MAG= 3.4											
			RMS= 3.0 ERH= KM ERZ= KM NES= 5 IO=											
		SE CARTAGENA-MEDITERRANEO												
SEP	11	EBR	E	19	48	33.0	E	19	49	17.0				
SEP	12	STS	E	12	11	30.0								
		TOL	E	12	11	54.0		12	12	37.0	0.2	0.8		
SEP	12	EBR	E				E	16	46	15.0				
SEP	13	CRT	I C	02	56	28.5		2	56	31.1				
		ALM	E	02	56	47.4	I	2	57	1.6				
		TOL	E	02	57	19.0	E	2	57	58.0		0.8		
		SSIS	13-SEP-1978 H/M/S= 02-56-29.8											
			LAT N= 37- 3.5 LONG W= 03-35.7 PROF= 5.0 KM MAG= 2.6											
			RMS= 3.1 ERH= 0.3 KM ERZ= KM NES= 3 IO=											
		GRANADA												
SEP	13	CRT	E	10	53	28.8								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
		LDG		13-SEP-1978 H/M/S= 15-45- 3.2										
				LAT N= 42-48.0 LONG E= 01-42.0 PROF= 25.0 KM MAG= 2.8										
				RMS= ERH= KM ERZ= KM NES= IO=										
		FOIX-FRANCIA												
SEP	13	EBR	E C				E	17	30	17.0				
SEP	13	LGR	E	18	18	50.4	I	18	19	6				
SEP	13	STS	E	18	55	32.0								
SEP	14	CRT	E	12	37	33.7								
SEP	14	ALM	E	16	11	44.1	E	16	11	51.0				
SEP	14	CRT	E	19	35	42.3	I	19	35	49.9				
		LDG		15-SEP-1978 H/M/S= 02-38-50.9										
				LAT N= 43- 0.0 LONG W= 00-36.0 PROF= KM MAG= 2.9										
				RMS= ERH= KM ERZ= KM NES= IO=										
		OLORON STE MARIE-FRANCIA												
SEP	15	STS	E	11	29	17.0								
SEP	15	TOL	E	14	39	25.0		14	39	41.0				
SEP	15	STS	I	16	30	57.4	I	16	31	4.9				
SEP	16	STS	I D	00	27	57.0								
SEP	16	CRT	E	05	42	56.4	I	5	43	2.3				
SEP	16	ALM	I D	09	19	48.6	I	9	20	6				
SEP	17	STS	E	10	06	07.0								
SEP	18	CRT	E	12	38	43.6								
SEP	18	TOL	E	14	23	33.0	E	14	23	55.0				
SEP	18	STS	I	14	28	30.0								
		TOL	E	14	28	06.0	I	14	28	21.5				
SEP	18	TOL	E	15	51	26.0	I	15	51	39.0				
SEP	18	EBR	E	16	58	56.5	E	15	0	1.0				

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
SEP 18	EPF		18 14 47.4						
	LPO		18 15 03.9						
	LFF		18 15 03.4						
	LGR	E	18 15 04.7	I	18 15 20.6				
	RJF		18 15 11.3						
	CAF		18 15 11.7						
	EBR	E	18 15 23.0	E	18 16 1.0				
	TOL	E	18 15 42.0	I	18 16 28.0	0.1	0.8		
	ALI	E	18 15 53.5						
	SPF		18 15 51.8						
	CRT	E	18 16 12.0						
	SSIS		18-SEP-1978 H/M/S= 18-14-34.5						
			LAT N= 43-28.3 LONG W= 00-28.2 PROF= 10.0 KM MAG= 3.5						
			RMS= 1.1 ERH= 11.8 KM ERZ= KM NES= 10 IO=						
	CSEM		18-SEP-1978 H/M/S= 18-14-33.1						
			LAT N= 43-36.0 LONG W= 00-12.0 PROF= KM MAG=						
			RMS= 0.3 ERH= 5.4 KM ERZ= KM NES= 23 IO=						
	LDG		18-SEP-1978 H/M/S= 18-14-34.0						
			LAT N= 43-24.0 LONG W= 00-30.0 PROF KM MAG= 4.0						
			RMS= ERH= KM ERZ= KM NES= IO=						
	PAU-FRANCIA								
SEP 19	STS	I	12 31 27.0						
SEP 19	CRT	I D	17 17 22.0	I	17 17 25.0				
	CRT	E	17 25 46.0						
	SPGM		20-SEP-1978 H/M/S= 02-23-55.0						
			LAT N= 35- 0.0 LONG W= 04-54.0 PROF= 33.0 KM MAG=						
			RMS= ERH= KM ERZ= KM NES= IO=						
	MARRUECOS								
SEP 20	EBR	E I		E	3 21 23.0				
SEP 20	STS	I	04 52 03.4						
	STS	I	07 41 49.0						
SEP 20	LGR	E	10 29 38.3	I	10 29 46.3				
SEP 20	ALM	I D	12 06 58.9	I	12 7 6				
SEP 20	TOL	E	14 28 28.0	I	14 29 23.0				85.
SEP 20	ALI	E	17 44 35.0						

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
SEP 21	TOL	E	14 29 03.5	I	14 29 30.5				200.

LDG 21-SEP-1978 H/M/S= 15-46-42.4
LAT N= 42-48.0 LONG E= 01-42.0 PROF= 10.0 KM MAG= 2.8
RMS= ERH= KM ERZ= KM NES= IO=

FOIX-FRANCIA

LDG 21-SEP-1978 H/M/S= 16-30-41.9
LAT N= 43- 6.0 LONG W= 00-24.0 PROF= KM MAG= 2.7
RMS= ERH= KM ERZ= KM NES= IO=

PAU-FRANCIA

LDG 21-SEP-1978 H/M/S= 16-53-33.8
LAT N= 43- 0.0 LONG W= 00-24.0 PROF= KM MAG= 2.6
RMS= ERH= KM ERZ= KM NES= IO=

LARUNS-FRANCIA

SEP 21	ALM	I	17 20 20.3						

LDG 22-SEP-1978 H/M/S= 03-20- 9.0
LAT N= 42-24.0 LONG E= 02-48.0 PROF= 10.0 KM MAG= 2.8
RMS= ERH= KM ERZ= KM NES= IO=

LA JUNQUERA-GE

SEP 22	EBR	E	10 39 41.5	E	10 39 44.5				
	EBR	E	14 55 13.5	E	14 55 18.0				
SEP 22	ALM	E	15 03 49.0	E	15 3 50.1				

LDG 22-SEP-1978 H/M/S= 15-45-15.4
LAT N= 42-48.0 LONG E= 01-54.0 PROF= 10.0 KM MAG= 2.7
RMS= ERH= KM ERZ= KM NES= IO=

BELCAIRE-FRANCIA

SEP 22	CRT	I	D 17 02 49.2						
SEP 22	CRT	E	18 25 39.0						
	STS	E	18 25 04.0						

			P				S						
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
SEP	23	TOL	E	01	57	44.0	I	1	58	33.0				230.

CSEM 23-SEP-1978 H/M/S= 01-56-37.7
LAT N= 36- 0.0 LONG W= 06-48.0 PROF= 20.0 KM MAG= 4.2
RMS= 1.4 ERH= 12.8 KM ERZ= KM NES= 20 IO=

LDG 23-SEP-1978 H/M/S= 01-56-38.6
LAT N= 36- 0.0 LONG W= 06-42.0 PROF= 40.0 KM MAG= 4.2
RMS= ERH= KM ERZ= KM NES= IO=

SPGM 23-SEP-1978 H/M/S= 01-56-35.5
LAT N= 35-54.0 LONG W= 06-24.0 PROF= 33.0 KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

W E GIBRALTAR-ATLANTICO

LDG 23-SEP-1978 H/M/S= 01-58- 3.7
LAT N= 43-24.0 LONG W= 02-12.0 PROF= KM MAG= 2.6
RMS= ERH= KM ERZ= KM NES= IO=

GOLFO DE VIZCAYA

SEP	23	LGR	I	04	51	43.1	I	4	51	51.2	0.6	0.6	
		EPF		04	52	04.6							
		LFF		04	52	17.2							
		LPO		04	52	17.8							
		EBR		04	52	23.0							
		CAF		04	52	27.6							
		TOL	I	04	52	35.0	E	4	53	6.0	0.2	0.8	
		MFF		04	52	30.8							
		LPF		04	52	48.0							

SSIS 23-SEP-1978 H/M/S= 04-51-32.8
LAT N= 43- 8.2 LONG W= 02-10.5 PROF= 5.0 KM MAG= 3.6
RMS= 2.5 ERH= 6.3 KM ERZ= KM NES= 9 IO=

CSEM 23-SEP-1978 H/M/S= 04-51-37.8
LAT N= 43-18.0 LONG W= 01-54.0 PROF= KM MAG=
RMS= 0.4 ERH= 5.7 KM ERZ= KM NES= 27 IO=

LDG 23-SEP-1978 H/M/S= 04-51-32.4
LAT N= 43- 6.0 LONG W= 02-12.0 PROF= KM MAG= 3.7
RMS= ERH= KM ERZ= KM NES= IO=

TOLOSA-SS

SEP	23	LGR	I	13	12	58.1	I	13	13	8.6			

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
		LOG		23-SEP-1978		H/M/S= 15-42-22.5								
				LAT N= 42-48.0		LONG E= 01-48.0				PROF= 15.0 KM			MAG= 2.4	
				RMS=		ERH=		KM ERZ=		KM		NES=	IO=	
		FOIX-FRANCIA												
SEP	23	CRT	E	17	12	17.0								
SEP	23	STS	E	17	57	54.0								
SEP	25	CRT	E	02	27	45.2								
SEP	25	ALM	I	10	54	05.7	I	10	54	6.2				
SEP	25	TOL	E	11	37	56.0								
		TOL	E	12	07	14.0								
SEP	25	CRT	E	12	36	25.8								
SEP	25	TOL	E	14	30	30.0	I	14	30	46.5				
SEP	25	CRT	E	17	44	16.2	I	17	44	44.0				
SEP	26	LGR	E	10	53	52.0	I	10	53	58.5				
SEP	26	STS	E	12	41	41.0								
SEP	26	ALM	I D	14	26	29.5								
		STS	E	14	27	43.0								
		TOL	E	14	27	51.0	E	14	28	4.5				
SEP	26	LGR	I	17	47	48.4	E	17	47	55.0				
SEP	26	EBR					E	18	19	11.0				
SEP	26	STS	E	19	10	17.0								
		EBR	E	23	57	48.0	E	23	57	51.0				
SEP	27	ALM	E	02	13	23.7	E	2	13	32.7				
SEP	27	CRT	E	09	07	20.0	I	9	7	27.2				
SEP	27	EBR					E	11	0	16.0				
		EBR	E				E	12	23	37.0				
SEP	28	EBR	E	10	53	44.0	E	10	53	52.5				
		EBR					E	11	30	28.0				
SEP	28	CRT	E	11	39	29.9	E	11	39	32.3				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
SEP	28	TOL	E	14	42	02.0	E	34	50	44.0				
SEP	28	LGR	E	16	53	48.5	I	16	53	59.0				
		LGR	E	17	22	21.8	I	17	22	28.9				
SEP	29	STS	E	04	06	17.0								
SEP	29	LGR	E	11	45	54.8	I	11	46	4.0				
SEP	29	ALM	E	15	57	21.9	I	15	57	25.4				
SEP	29	STS	E	17	33	10.0								
		STS	E	17	39	05.0								
SEP	29	LGR	E	19	10	09.4	E	19	10	18.5				
SEP	29	CRT	E	19	20	25.5	I	19	20	32.5				
SEP	30	LGR	E	10	38	16.0	I	10	38	21.1				
		STS	E	10	38	30.0								
SEP	30	STS	E	12	18	59.0								
SEP	30	CRT	E	12	36	36.8								
OCT	01	STS	E	21	48	26.5								
OCT	02	STS	E	07	17	47.5								
OCT	02	EBR					E	7	26	6.0				
OCT	03	LGR	E	12	23	00.0	I	12	23	23.5	0.7	1.0		

LDG 03-OCT-1978 H/M/S= 01-51-40.7
LAT N= 41-24.0 LONG E= 01-18.0 PROF= KM MAG= 2.7
RMS= ERH= KM ERZ= KM NES= IO=

MONTBLANCH-T

OCT	03	EBR	E	13	21	32.5	E	13	21	35.5				
OCT	03	ALM	I	15	50	20.1	I	15	50	32.9				
OCT	03	CRT	E	17	39	13.3	I	17	39	21.6				
OCT	03	TOL	E	17	55	54.5	E	17	56	1.0				
OCT	03	EBR	I	18	02	38.3	E	18	2	40.2				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
OCT	04	STS	E	03	54	29.0								
OCT	04	CRT	I	06	17	56.7	I	6	18	5.1				
		CRT	E	08	06	06.9	I	8	6	9.8				
OCT	04	EBR					E	9	44	18.0				
OCT	04	STS	E	15	32	33.5								
		TOL	E	15	32	50.0	I	15	33	7.0	0.7	0.8		
OCT	05	STS	E	05	45	09.5								
		STS	E	11	29	28.0								
OCT	05	LGR		12	11	25.6	I	12	11	32.0	0.4	0.6		
OCT	05	TOL	E	15	29	20.0	I	15	30	42.0				105
OCT	05	STS	E	15	48	17.0								
		STS	E	17	50	45.0								
OCT	06	CRT	E	11	15	26.7								
OCT	06	EBR	E	11	20	57.0	E	11	21	5				
OCT	06	STS	E	11	28	35.0								
		STS	E	11	42	53.0								
OCT	06	CRT	I	11	42	53.6	I	11	42	59.3				
OCT	06	ALM	E	14	18	42.2	E	14	18	49.1				
OCT	06	TOL					E	15	26	4.0				
OCT	06	GUD	I	17	56	53.6	I	17	56	59.0				45
OCT	07	CRT	I	06	52	45.5	I	6	52	52.5				
OCT	07	EBR					E	10	29	57.0				
OCT	07	GUD	E	12	20	14.0								
		TOL		12	20	10.0	E	12	20	13.0				
OCT	07	LGR	I C	12	28	38.2	I	12	28	44.6	0.7	0.5		
		LGR	E	13	34	21.5								
OCT	07	STS	E	21	21	07.0								
OCT	08	STS	E	06	41	36.0								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
OCT	08	ARR	I	11	27	38.8	I	11	28	25.7				
		COI	I C	11	27	53.0	I	11	28	53.5				
		GUD	I	11	28	35.3	I	11	30	6.9				630
		FAR	D	11	27	49.6		11	28	45.9				
		LIS	E C	11	27	37.2		11	28	24.1				
		LGR	I C	11	29	02.6	I	11	30	47.5				
		MTE	I C	11	28	01.5	I	11	29	8.5				
		OFD	E	11	29	33.0								
		PTO	E C	11	27	58.7		11	29	1				
		STS	E	11	28	15.7	E	11	29	29.6				
		TAM	I	11	31	09.0								
		TOL	I	11	28	33.5	I	11	30	5.0	0.7	0.8		600
		CSEM	08-OCT-1978 H/M/S= 11-26-34.5											
			LAT N= 37-13.2 LONG W= 14- 7.8 PROF= KM MAG=											
			RMS= 0.7 ERH= 8.8 KM ERZ= KM NES= 95 IO=											
		SPGM	08-OCT-1978 H/M/S= 11-26-35.0											
			LAT N= 37-18.0 LONG W= 13-24.0 PROF= 33.0 KM MAG=											
			RMS= ERH= KM ERZ= KM NES= IO=											
		ATLANTICO SW PORTUGAL												
OCT	08	GUD	I	14	29	56.0								
OCT	08	GUD	I	15	49	46.6	I	15	50	19.1				
		STS	E	15	49	24.0								
OCT	08	CRT	I	20	02	46.9	I	20	2	52.0				
OCT	08	STS	E	21	48	32.0								
OCT	09	CRT	I	05	24	52.9	I	5	24	55.0				
OCT	09	STS	E	12	32	44.0								
		STS	E	12	56	24.0								
OCT	09	ALM	E	14	46	05.2	E	14	46	5.8				
OCT	09	LGR	I C	15	09	15.2	I	15	9	20.6	0.6	1.0		
OCT	09	MAL	I C	15	13	02.0								
OCT	09	GUD	I	15	29	24.6	I	15	29	49.9				
		TOL	E	15	29	13.0	I	15	29	27.0				
OCT	09	STS	E	16	11	31.0								
OCT	09	TOL	E	16	20	12.0	E	16	20	27.0				

				P				S					
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR DUR
OCT	09	GUD	I	23	56	45.6	E	23	57	18.9			
OCT	09	STS	E	24	56	17.5							
OCT	10	STS	E	11	59	11.0							
OCT	10	FBR	I	13	43	41.0	E	13	43	43.0			
OCT	10	LGR	E	15	27	33.2	E	15	27	56.1	0.5	0.9	
OCT	10	GUD	I	15	39	43.0	I	15	40	7.0			
		TOL	E	15	39	30.0	I	15	39	46.0			
OCT	10	ALM	I D	16	58	17.1	I	16	58	18.3			
OCT	10	GUD	E	17	38	30.0							
OCT	10	STS	E	19	17	00.0							
OCT	11	STS	E	06	45	04.0							
OCT	11	TOL	E	11	42	33.0	I	11	42	38.5			
OCT	11	ALM	I D	11	58	39.9	I	11	58	40.2			
OCT	11	LGR	E	16	25	12.5	I	16	25	19.0	1.0	0.8	
		LGR	E	16	16	45.7	I	16	16	52.0	0.4	0.8	
OCT	11	STS	E	17	20	35.0							
		STS	E	19	56	12.0							
		STS	E	20	15	02.0							
		STS	E	21	02	06.0							
OCT	11	MAL	I C	22	49	34.0	I	22	49	48.0		0.6	

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
OCT 12	PTO	I	19 56 10.7		19 56 23.2				
	MTE	I	19 56 20.0	I	19 56 40.0				
	COI	E	19 56 25.6	I	19 56 47.5				
	GUD	I	19 56 38.6	I	19 57 23.5				
	TOL	E	19 57 05.0	I	19 57 41.0				185.0
	LGR	E	19 57 05.8	E	19 57 41.0	0.5	0.7		
	EPF		19 57 21.2						
	SSIS		12-OCT-1978 H/M/S= 19-55-59.6						
			LAT N= 41-32.4 LONG W= 07-45.1		PROF= 10.0 KM			MAG= 4.3	
			RMS= 4.4 ERH= KM ERZ= KM		NES= 7			IO=	
	IMGP		12-OCT-1978 H/M/S= 19-55-52.0						
			LAT N= 41-54.0 LONG W= 08- 6.0		PROF= KM			MAG=	
			RMS= ERH= KM ERZ= KM		NES=			IO=	
	VILA REAL-PORTUGAL								
OCT 12	PTO	I	21 02 14.9		21 2 27.4				
	MTE	E	21 02 24.3	E	21 2 44.2				
	COI	E	21 02 28.7	I	21 2 51.4				
	GUD	I	21 02 42.4	I	21 3 27.3				
	LIS	I	21 02 58.9	I	21 3 44.4				
	TOL	E	21 02 51.0			0.1	0.5		420.0
	ARR	I	21 02 59.2	E	21 3 48.9				
	LGR	E	21 03 01.0	E	21 3 44.6	0.6	0.9		
	LFF		21 03 34.0						
	LPO		21 03 39.0		21 4 54.1				
	RJF		21 03 43.8		21 5 3.5				
	CAF		21 03 45.6		21 5 5.9				
	SSIS		12-OCT-1978 H/M/S= 21-01-56.5						
			LAT N= 42- 3.9 LONG W= 07-47.1		PROF= 5.0 KM			MAG= 3.6	
			RMS= 2.9 ERH= KM ERZ= KM		NES= 8			IO=	
	CSEM		12-OCT-1978 H/M/S= 21-01-57.5						
			LAT N= 41-48.0 LONG W= 07-42.0		PROF= KM			MAG=	
			RMS= ERH= KM ERZ= KM		NES= 17			IO=	
	LDG		12-OCT-1978 H/M/S= 21-02- 0.7						
			LAT N= 42-24.0 LONG W= 07-24.0		PROF= KM			MAG= 3.6	
			RMS= ERH= KM ERZ= KM		NES=			IO=	
	IMGP		12-OCT-1978 H/M/S= 21-01-56.0						
			LAT N= 42- 0.0 LONG W= 08- 0.0		PROF= KM			MAG=	
			RMS= ERH= KM ERZ= KM		NES=			IO=	
	CELANOVA-OR								
OCT 13	EBR			E	10 55 21.0				
	EBR		12 22 55.7	E	12 22 58.1				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
OCT	13	STS	E	12	42	02.0								
OCT	13	EBR		12	42	10.2	E	12	42	12.6				
OCT	13	FBR					I	13	1	13.5				
OCT	13	TOL	E	13	33	47.5	E	13	33	57.0				
		TOL	E	13	54	49.0								
		TOL	E	15	28	49.0	E	15	29	5.0				
OCT	13	LGR	E	16	43	03.0	E	16	43	21.5	0.4	1.1		
OCT	13	FBR	I	17	38	37.5								
OCT	13	STS	E	17	51	09.0								
OCT	13	ALI	E	22	46	26.6	I	22	46	32.4	0.5	0.6		
OCT	14	CRT	E	06	14	10.2	I	6	14	12.4				
OCT	14	LGR	E	11	57	52.0	I	11	58	1.0	0.1	0.8		

SPGM 14-OCT-1978 H/M/S= 16-21-58.0
LAT N= 35-18.0 LONG W= 03-24.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

N PUNTA AFRAU-MARRUECOS

OCT	14	EBR		19	54	48.0	E	19	55	11.5				

LDG 14-OCT-1978 H/M/S= 19-54-18.5
LAT N= 42-42.0 LONG E= 00-36.0 PROF= KM MAG= 2.9
RMS= ERH= KM ERZ= KM NES= IO=

BENASQUE-HU

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
OCT	15	ALI	E	17	23	02.5	I	17	23	14.3	1.0	0.9		
		ALM	I D	17	23	09.9	I	17	23	29.5				
		CRT	I	17	23	19.8	I	17	23	48.3				
		MAL	I	17	23	35.2					0.1	0.8		
		TEC	I	17	23	32.0								
		TOL	E	17	23	24.0	E	17	24	7.5	0.1	0.8		280.0
		TAF		17	23	34.0								
		GUD	E	17	23	43.1	I	17	24	37.0				
		HAD		17	24	19.5								
		SSIS	15-OCT-1978 H/M/S= 17-22-47.7											
			LAT N= 37-47.1 LONG W= 01-12.4 PROF= 40.0 KM MAG= 3.3											
			RMS= 2.4 ERH= KM ERZ= KM NES= 8 IO=											
		LIBRILLA-MU												
		SENTIDO IV EN LIBRILLA												
		III EN ALHAMA DE MURCIA,MUNDCES,MURCIA Y FUENTE ALAMO												
OCT	16	LGR	E	08	48	40.9	I	8	48	46.3	0.2	0.7		
OCT	16	FBR	E	10	26	09.5	I	10	26	16.5				
OCT	16	MAL	E	12	48	48.0	E	12	48	53.0				
OCT	16	EBR					E	14	29	24.0				
OCT	16	STS	E	15	26	03.0								
OCT	16	TOL	E	15	38	50.5	I	15	39	7.0				
OCT	16	LGR	E	15	48	48.5	E	15	48	56.6				
OCT	17	STS	E	05	07	26.0								
OCT	17	ALI	E	07	16	37.5	I	7	16	52.5	1.0	0.6		
		ALM	I C	07	16	44.2	I	7	17	9.3				
		CRT	I	07	16	48.5								
		TOL	I	07	16	57.5	I	7	17	34.0	0.3	0.9		225.0
		MAL	E	07	17	01.0	E	7	17	23.0				
		GUD	I	07	17	07.8	I	7	17	44.1				
		LGR	E D	07	17	33.7	E	7	18	29.4				
		EPF		07	17	30.8								
		SSIS	17-OCT-1978 H/M/S= 07-16-19.2											
			LAT N= 38-10.7 LONG W= 01-45.8 PROF= 10.0 KM MAG= 3.5											
			RMS= 0.7 ERH= 14.6 KM ERZ= KM NES= 7 IO=											
		CALASPARRA-MU												

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
OCT	17	STS	E	09	18	54.0								
OCT	17	ALM	I C	09	25	32.7	I	9	25	50.0				
OCT	17	TOL	E	09	26	06.5	I	9	26	42.5				116
OCT	17	EBR					E	11	56	17.0				
OCT	17	LGR	E	11	59	21.5	E	11	59	30.0	0.1	1.0		
OCT	17	CRT	E	13	40	11.5	E	13	40	26.1				
		CRT	E	14	55	09.4	I	14	55	17.0				
OCT	17	EBR		15	30	31.7	E	15	30	36.1				
		EBR		15	53	36.7	E	15	53	43.6				
		EBR					E	16	15	23.0				
OCT	17	ALM	I C	16	51	22.0	I	16	51	24.1				
OCT	17	CRT	E	17	25	17.9	E	17	25	27.8				
OCT	18	CRT	E	11	01	47.8	E	11	1	51.3				
		CRT	E	12	05	45.9	E	12	5	56.4				
OCT	18	TOL					E	15	33	27.5				
OCT	18	STS	E	23	18	10.0								
OCT	19	EBR					E	16	11	46.0				
OCT	19	STS	E	17	52	24.0								
OCT	20	STS	E	00	29	26.0								
OCT	20	ALM	I C	12	11	41.3	I	12	11	42.6				
OCT	20	CRT	E	12	42	46.6	I	12	42	49.1				
OCT	20	LGR	E	17	21	49.8	I	17	21	58.4	0.2	0.9		
		LGR	E	17	29	14.0	E	17	29	22.6	0.1	1.1		
OCT	21	CRT	I D	06	04	46.7	E	6	4	52.2				
		CRT	E	16	15	10.8	E	16	15	18.3				
OCT	21	TOL	E	18	12	20.0								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
		LDG		22-OCT-1978		H/M/S= 04-08- 1.6								
				LAT N= 42-24.0		LONG E= 02-30.0		PROF=		KM			MAG= 2.5	
				RMS=		ERH=		KM	ERZ=	KM	NES=		IO=	
		PRATS DE MOLLO-FRANCIA												
OCT	22	CRT	I D	04	55	35.1	I	4	55	36.9				
OCT	22	ALI	E	18	09	38.6	E	18	9	50.5	0.4	0.5		
		TOL	E	18	10	18.0	E	18	10	59.0				100.0
		GUD	E	18	10	31.8	E	18	11	15.9				
		SSIS		22-OCT-1978		H/M/S= 18-09-26.7								
				LAT N= 37-43.4		LONG W= 00-45.4		PROF= 10.0		KM			MAG= 2.9	
				RMS= 1.4		ERH=		KM	ERZ=	KM	NES= 3		IO=	
		LA UNION-MU												
OCT	23	STS	E	02	00	00.5								
OCT	23	TOL	E	11	50	52.0	E	11	51	13.0				
		TOL	E	13	19	21.0	E	13	19	25.0				
OCT	23	LGR	E	13	44	07.6	I	13	44	20.0				
OCT	23	STS	E	13	55	00.0								
		STS	E	16	30	05.5								
OCT	23	ALI	E	17	51	39.0	I	17	51	50.6	0.5	0.6		
OCT	24	CRT	E	10	34	35.0								
OCT	24	ALM	I C	10	38	37.8	I	10	38	38.3				
OCT	24	EBR		13	43	55.0	E	13	43	58.0				
OCT	24	STS	E	14	23	09.5								
OCT	24	EBR		17	42	48.0	E	17	43	4.0				
OCT	24	STS	E	22	47	42.5								
		LDG		25-OCT-1978		H/M/S= 00-49-24.3								
				LAT N= 43-18.0		LONG E= 02-24.0		PROF=		KM			MAG= 2.3	
				RMS=		ERH=		KM	ERZ=	KM	NES=		IO=	
		CARCASSONNE-FRANCIA												

				P				S					
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
OCT	25	STS	E	11	22	28.0								
OCT	25	EBR		13	24	27.7	E	13	24	34.6				
OCT	25	ALM	E	15	13	30.3	I	15	13	39.3				
OCT	25	STS	E	16	02	25.0								
OCT	25	CRT		17	26	22.0								
OCT	26	CRT		03	19	56.5								
		CRT	E	03	30	55.6								
		CRT	E	11	38	21.5								
OCT	26	LGR	E	12	09	05.7	I	12	9	16.1	0.1	1.0		
OCT	26	TOL	E	12	44	25.0	E	12	44	30.0				
		TOL	F	13	14	15.0								
								OCT	27	EBR			E	12 1
OCT	27	TOL	E	12	12	29.0								
OCT	27	CRT	E	14	51	53.0								
OCT	27	GUD	I	15	31	28.5	I	15	31	54.0				
		TOL	E	15	30	15.5	E	15	30	32.0				
OCT	27	LGR	E	15	42	17.2	I	15	42	29.6				
OCT	27	CRT	E	15	44	09.0								
OCT	27	LGR	I D	16	33	48.2	I	16	33	58.1				
		LGR	E	16	35	51.2	I	16	36	1.3				
OCT	27	ALM	I D	17	04	07.7	I	17	4	9.1				
		ALM	I D	17	08	43.7	I	17	8	53.7				
OCT	27	CRT	E	17	26	16.0								
OCT	27	EBR					E	20	32	49.0				

MES	DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
OCT	28	EBR			E	13 3 42.0				
OCT	28	FBR	E	14 01 54.2	I	14 1 58.1				
OCT	28	ALM	I C	21 12 51.1	I	21 13 8.2				
		TAF	I	21 12 57.0						
		TEC	I	21 13 01.5						
		CRT	E	21 13 01.0						
		MAL	E	21 13 12.7	E	21 13 19.9				
		IFR	I	21 13 26.0						
		TOL	E	21 13 45.0	E	21 14 41.5	1.0		135.0	
		GUD	E	21 13 46.9						
		SSIS		28-OCT-1978 H/M/S= 21-12-36.1						
				LAT N= 35-57.4 LONG W= 02-27.4 PROF= 5.0 KM MAG= 3.0						
				RMS= 2.6 ERH= KM ERZ= KM NES= 8 IO=						
		ALBORAN								
OCT	29	GUD	I	00 36 04.2	I	0 36 19.0				
		STS	E	00 34 45.0						
OCT	29	EBR		07 55 58.0	E	7 56 6.0				
OCT	29	LGR	I D	08 10 09.3	I	8 10 25.7	0.3	0.7		
OCT	29	EPF		22 19 15.0						
		EBR	E	22 19 34.0	E	22 19 57.0				
		LPO		22 19 39.7						
		LFF		22 19 43.4						
		CAF		22 19 42.7						
		LGR	E	22 19 51.2	E	22 20 24.5				
		RJF		22 19 46.2						
		GUD	E	22 20 08.6	E	22 20 55.9				
		SSIS		29-OCT-1978 H/M/S= 22-19- 4.0						
				LAT N= 42-32.6 LONG E= 01-13.4 PROF= 20.0 KM MAG= 3.2						
				RMS= 2.2 ERH= KM ERZ= KM NES= 8 IO=						
		LOG		29-OCT-1978 H/M/S= 22-19- 3.4						
				LAT N= 42-36.0 LONG E= 01- 0.0 PROF= KM MAG= 3.2						
				RMS= ERH= KM ERZ= KM NES= IO=						
		SORT-L								
OCT	30	EBR			E	1 8 27.0				
OCT	30	GUD	E	12 40 04.0	E	12 40 11.5				
		GUD	E	13 08 36.0	I	13 8 52.5				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
OCT	30	STS	E	14	11	03.0								
OCT	30	MAL	I C	15	07	35.0	E	15	7	36.7				
OCT	30	ALM	I D	15	21	26.3	I	15	21	29.9				
OCT	30	EBR		15	28	43.0	E	15	28	47.0				
OCT	30	GUD	E	15	32	25.3	I	15	32	50.9				
		TOL	E	15	32	12.0	I	15	32	29.0				
OCT	30	GUD	E	17	08	57.7	I	17	9	12.4				
		STS	E	17	06	42.5								
OCT	30	ALM	I C	19	02	19.3	I	19	2	20.4				
OCT	31	EBR					E	7	17	9.0				
OCT	31	ALM	I C	10	55	14.5	I	10	55	14.7				
OCT	31	GUD	I	12	17	52.0	I	12	18	5.8				
OCT	31	EBR					E	12	37	23.0				
		FBR	I	12	37	26.0	I	12	37	28.5				
OCT	31	STS	E	14	01	17.0								
OCT	31	EBR					E	14	17	34.0				
OCT	31	MAL	I C	15	15	34.8	E	15	15	35.9				
OCT	31	TOL	E	15	29	47.0	I	15	30	3.0				
OCT	31	ALM	E	15	56	00.7	I	15	56	18.6				
OCT	31	FBR	E	16	02	08.8	E	16	2	10.7				
OCT	31	ALI	I	17	10	01.6	I	17	10	3.8	3.5	0.4		
		EBR		17	10	44.0								
		GUD	E	17	11	49.0								
NOV	01	ALI	E	19	22	33.0								
		GUD	E	19	23	22.5	E	19	24	6.7				
NOV	02	EBR					E	4	57	9.0				
NOV	02	ALM	E	11	08	36.9	I	11	8	37.5				
NOV	02	TOL	E	12	08	34.1	E	12	8	51.0				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
NOV	02	ALM	I D	12	24	33.8	I	12	24	34.5				
		ALM	I D	12	56	32.0	I	12	56	33.0				
NOV	02	STS	I	13	00	08.0								
NOV	02	TOL	E	13	26	22.0	E	13	26	27.0	0.1	0.9		210
NOV	02	EBR					E	16	6	21.0				
		FBR	E	16	05	55.0	I	16	5	58.0				
NOV	02	CRT	I D	16	41	26.4	I	16	41	29.5				
NOV	03	FBR	I	06	38	27.4	I	6	38	45.3				
		EPF		06	38	28.9								
		CAF		06	38	35.2								
		LPO		06	38	35.6								
		LFF		06	38	40.7								
		RJF		06	38	41.6								
		LRG		06	38	42.9		6	39	14.3				
		EBR	I	06	38	46.7								
		LMR		06	38	44.5								
		SPF		06	38	46.3								
		LGR	I D	06	39	00.7	I	6	39	44.2	0.1	0.6		
		GUD	I	06	39	22.3	E	6	40	55.6				
		TOL	E	06	39	30.0	I	6	40	57.5	0.1	0.9		

SSIS 03-NOV-1978 H/M/S= 06-38- 0.0
LAT N= 42-54.3 LONG E= 02-47.8 PROF= 5.0 KM MAG= 3.4
RMS= 1.1 ERH= 5.8 KM ERZ= KM NES= 13 IO=

CSEM 03-NOV-1978 H/M/S= 06-38- 0.3
LAT N= 42-42.0 LONG E= 02-42.0 PROF= KM MAG=
RMS= ERH= KM ERZ= KM NES= 33 IO=

LDG 03-NOV-1978 H/M/S= 06-37-59.5
LAT N= 42-48.0 LONG E= 02-42.0 PROF= 5.0 KM MAG= 4.3
RMS= ERH= KM ERZ= KM NES= IO=

PERPIGNAN-FRANCIA

NOV	03	EBR					E	12	7	16.0				
NOV	03	GUD	I	12	16	57.4	I	12	17	1.4				213
NOV	03	LGR	E	13	00	17.4	I	13	0	24.1	0.4	0.7		
NOV	03	FBR	E	14	16	14.2	I	14	16	17.1				
NOV	03	TOL	E	16	18	41.0								
NOV	03	CRT	E	16	39	46.2	I	16	39	47.8				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
NOV	03	GUD	I	17	16	11.3	I	17	16	35.2				53
NOV	03	FBR	E	18	45	28.0								
NOV	05	GUD	I	22	39	41.5	I	22	39	56.2				28
		SPGM	06-NOV-1978 H/M/S= 04-23-49.0											
			LAT N= 36- 6.0 LONG W= 09-30.0 PROF= 33.0 KM MAG=											
			RMS= ERH= KM ERZ= KM NES= IO=											
		SW C S VICENTE-ATLANTICO												
NOV	06	EBR		10	49	56.0	E	10	50	48.0				
		LGR	I D	10	49	29.3	I	10	50	14.5				
		TOL	E	10	50	56.0	E	10	51	54.0				180
NOV	06	TOL	E	12	49	25.0	E	12	49	34.0				
NOV	06	EBR	E	13	45	47.2	E	13	45	49.6				
NOV	06	ALM	I D	14	51	56.4	I	14	52	7.1				
		ALM	I D	16	53	48.8	I	16	53	50.1				
NOV	06	GUD	I	17	12	23.2	I	17	12	28.4				27
NOV	07	CRT	E	11	37	31.9	E	11	37	36.0				
NOV	07	ALM	I D	12	16	41.7	I	12	16	42.4				
NOV	07	EBR	E	12	29	30.0	E	12	29	34.0				
NOV	07	GUD	I	14	11	33.2	I	14	11	35.6				17
NOV	07	ALM	E	16	18	40.2	I	16	19	38.4				
NOV	08	LGR	E	11	36	12.5	E	11	36	21.0	0.2	1.5		
NOV	08	ALM	I	12	43	28.1	I	12	43	45.9				
		MAL	E	12	43	57.0	E	12	44	2.5				
		TOL	E	12	44	32.5	I	12	45	18.0	0.1	0.8		120
NOV	09	CRT	E	10	23	10.1								
NOV	09	GUD		10	37	32.9		10	37	55.6				47
		GUD		12	03	57.3								
NOV	09	ALM	I C	14	08	48.9	I	14	8	57.3				
NOV	09	LGR	E	15	15	12.0	I	15	15	18.5	0.4	1.2		

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
NOV	09	CRT	E	16	06	56.7	E	16	7	3.6				
NOV	09	STS	I	22	41	26.8		22	41	31.7				
NOV	10	STS	I	06	39	45.5								
		STS	I	11	57	19.0								
NOV	10	LGR	E	12	28	34.0	I	12	28	49.0	0.3	1.2		
NOV	10	STS	E	21	13	48.0								
NOV	10	GUD		13	11	30.0								
		GUD		13	44	43.5								
		GUD		13	52	07.3								
NOV	11	GUD		10	29	39.7		10	30	19.6				80
		TOL	E	10	30	42.0	E	10	30	48.5				
NOV	11	STS	E	12	41	25.0								
NOV	11	FBR	I	15	01	13.8	I	15	1	15.7				
NOV	13	GUD	I	07	36	43.3	I	7	37	4.6				60
NOV	13	CRT	E	11	07	29.4	E	11	7	32.3				
NOV	13	LGR	E	13	06	10.5	I	13	6	17.0	0.2	0.8		
NOV	13	GUD		13	26	57.6		13	27	12.6				38
NOV	13	CRT	E	13	32	07.9	I	13	32	20.3				
NOV	13	TOL	E	16	11	15.0								
NOV	13	GUD		16	59	17.3		15	0	6.7				130
NOV	13	STS	I	17	14	58.0								
NOV	14	GUD		13	14	32.1		13	14	47.6				38
NOV	14	ALM	I D	14	15	10.4	I	14	15	11.0				
NOV	14	TOL	E	15	29	07.0	I	15	30	37.0	0.2	0.9		
NOV	14	EBR	E	15	39	47.7	E	15	40	8.1				
		EBR					E	17	2	56.0				
NOV	15	GUD		10	16	24.0		10	16	33.2				50

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
		LDG		15-NOV-1978		H/M/S= 16-01-37.9								
				LAT N= 42-48.0		LONG E= 00-48.0		PROF=		KM			MAG= 2.4	
				RMS=		ERH=		KM	ERZ=		KM	NES=	IO=	
		VIELLA-L												
NOV	15	GUD	I	16	46	38.7	I	16	47	1.5				50
NOV	15	STS	E	19	03	15.0								
NOV	16	CRT	E	11	03	45.5								
NOV	16	ALM	I	14	55	06.8	I	14	55	19.7	1.0	9.4		
		ALI	E	14	55	19.0								
		CRT	E	14	55	20.5								
		TOL	E	14	55	50.0	E	14	56	30.0				130.0
		GUD	I	14	56	03.4	I	14	56	48.9				
		SSIS		16-NOV-1978		H/M/S= 14-54-45.2								
				LAT N= 36-17.4		LONG W= 01- 4.1		PROF= 20.0		KM			MAG= 4.1	
				RMS= 0.0		ERH=		KM	ERZ=		KM	NES= 4	IO=	
		MEDITERRANEO												
NOV	16	ALM	I D	15	38	18.6	I	15	38	19.6				
		ALM	I D	16	12	37.6	I	16	12	38.7				
NOV	16	LGR	I C	17	46	56.0	I	17	47	4.3	0.3	0.6		
NOV	16	CRT	E	22	45	20.0	I	22	45	25.0				
NOV	17	LGR	E	13	01	16.5	I	13	1	27.5	0.1	0.9		
NOV	17	TOL	E	13	09	13.5	E	13	11	12.5				165
NOV	17	GUD	E	13	58	35.6	E	13	58	37.9				20
		GUD	E	14	57	22.6	E	14	57	39.2				30
NOV	17	LGR	E	16	08	31.0	I	16	8	42.5	0.2	0.7		
NOV	17	FBR	E	16	16	27.0	E	16	16	31.0				
NOV	17	GUD	I	16	46	15.4	E	16	46	22.1				30
NOV	17	ALM	I D	17	15	18.7	I	17	15	24.2				

				P			S					
MES	DIA	STA	PRK	H M S	SRM	H M S	AMP	PER	STA-COR	DUR		
		SPGM		17-NOV-1978 H/M/S= 18-19-10.5								
				LAT N= 36-18.0 LONG W= 01-30.0 PROF= 33.0 KM MAG=								
				RMS= ERH= KM ERZ= KM NES= IO=								
		MEDITERRANEO										
NOV	18	ALM	I C	10 59 50.3	I	10 59 56.4						
		ALR	I	10 59 52.4	E	9 0 2						
		CRT	I C	10 59 56.6	I	9 0 6.0						
		MAL	E	10 59 58.5								
		SSIS		18-NOV-1978 H/M/S= 10-59-40.6								
				LAT N= 36-33.8 LONG W= 03- 4.3 PROF= 10.0 KM MAG= 3.2								
				RMS= 1.4 ERH= KM ERZ= KM NES= 4 IO=								
		S DE ADRA-ALBORAN										
NOV	18	ALM	I	11 24 22.9	I	11 24 29.6						
		ALR	I	11 24 25.4	E	11 24 35.4						
		CRT	I	11 24 29.3	I	11 24 38.5						
		MAL	E	11 24 32.8								
		TOL	E	11 25 24.0	E	11 26 6.5	0.1	0.8		120.0		
		IFR	E	11 25 10.2	I	11 25 57.1						
		GUD	E	11 25 32.8								
		SSIS		18-NOV-1978 H/M/S= 11-24-13.2								
				LAT N= 36-32.4 LONG W= 02-57.7 PROF= 5.0 KM MAG= 3.2								
				RMS= 2.3 ERH= KM ERZ= KM NES= 7 IO=								
		S DE ADRA-ALBORAN										
NOV	18	CRT	E	14 20 24.0								

				P				S					
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
NOV	19	FAR	I	03	32	06.0		3	32	17.7				
		COI	E	03	32	50.6	E	3	33	37.2				
		MTE	I	03	32	52.0		3	33	40.0				
		TOL		03	33	01.5		3	34	1.5	0.1	1.0		240.0
		AVE		03	33	28.0	I	3	34	23.0				
		GUD	I	03	33	09.2	E	3	34	11.2				170.0
		LGR	E	03	33	40.5	E	3	35	4.5				
		SSIS		19-NOV-1978			H/M/S= 03-32- 3.1							
				LAT N= 37-30.7			LONG W= 07-58.2				PROF= 5.0 KM		MAG= 3.0	
				RMS= 6.5			ERH= 10.3 KM			ERZ=	KM	NES= 6	IO=	
		SPGM		19-NOV-1978			H/M/S= 03-32-51.0							
				LAT N= 36- 0.0			LONG W= 08- 0.0				PROF= 33.0 KM		MAG=	
				RMS=			ERH=			KM ERZ=	KM	NES=	IO=	
		ALMODOVAR-PORTUGAL												
NOV	19	EPF		11	32	19.4								
		LPO		11	32	44.8		11	33	12.9				
		LFF		11	32	45.3		11	33	13.4				
		LGR	I C	11	32	33.9	I	11	32	52.8	0.3	0.6		
		EBR	E	11	32	52.0	E	11	33	24.0				
		CAF		11	32	49.4								
		GUD	E	11	33	01.0								
		TOL	E	11	33	51.0	E	11	34	17.0				120.0
		SSIS		19-NOV-1978			H/M/S= 11-32-13.6							
				LAT N= 43- 1.9			LONG W= 00-20.5				PROF= 20.0 KM		MAG= 3.5	
				RMS=			ERH=			KM ERZ=	KM	NES= 8	IO=	
		LDG		19-NOV-1978			H/M/S= 11-32- 6.2							
				LAT N= 43- 6.0			LONG W= 00-36.0				PROF=	KM	MAG= 3.4	
				RMS=			ERH=			KM ERZ=	KM	NES=	IO=	
		PAU-FRANCIA												
NOV	19	LGR	I	11	32	33.9	I	11	32	52.8	0.2	0.6		
		LGR	E	19	33	40.5	E	19	35	4.5				
NOV	20	EBR					E	11	42	54.0				
		EBR					E	11	53	49.0				
NOV	20	ALM	I C	14	50	54.0	I	14	50	59.5				
NOV	20	GUD	E	15	08	07.4	E	15	8	17.7				50
		TOL	E				E	15	8	4.0				
NOV	20	ALM	I D	16	18	50.0	I	16	19	17.3				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
NOV	20	GUD					E	16	22	39.0				
		GUD	E	16	37	41.3	E	16	37	45.3				20
NOV	20	STS	I	20	40	08.0								
NOV	21	TOL					E	0	41	48.0				
		LDG	21-NOV-1978 H/M/S= 08-14- 4.7											
			LAT N= 43- 6.0 LONG W= 00-24.0 PROF= KM MAG= 3.0											
			RMS= ERH= KM ERZ= KM NES= IO=											
		PAU-FRANCIA												
NOV	21	TOL	E	11	25	17.0	E	11	25	33.0				
NOV	21	GUD	E	12	25	29.8	I	12	25	54.8				80
NOV	22	EBR					E	12	9	22.2				
NOV	22	TOL	E	13	16	57.0	E	13	17	11.5				
NOV	22	MAL	I	15	42	42.5								
NOV	22	CRT	I C	16	25	45.3								
		ALM	I D	16	25	45.0	I	16	25	56.5				
		MAL	E	16	25	58.8								
		ALI	E	16	26	15.0								
		TOL	E	16	26	25.5					0.1	0.8		150.0
		GUD	E	16	26	28.8	I	16	27	21.1				
		MTE	E	16	27	02.0								
		LGR	E	16	26	49.6	E	16	27	50.0				
		SSIS	22-NOV-1978 H/M/S= 16-25-35.5											
			LAT N= 37-10.5 LONG W= 02-57.4 PROF= 5.0 KM MAG= 2.9											
			RMS= 1.4 ERH= 14.8 KM ERZ= KM NES= 7 IO=											
		HUENEJA-GR												
		SPGM	22-NOV-1978 H/M/S= 18-48-53.0											
			LAT N= 34-42.0 LONG E= 05-48.0 PROF= 33.0 KM MAG=											
			RMS= ERH= KM ERZ= KM NES= IO=											
		UAZAN-MARRUECOS												
NOV	22	STS	E	19	14	30.2								
		STS	E	19	42	24.2								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
		SPGM		23-NOV-1978		H/M/S= 07-11-40.0								
				LAT N= 35- 0.0		LONG W= 06-12.0				PROF= 33.0 KM			MAG=	
				RMS=		ERH=		KM	ERZ=	KM		NES=	IO=	
		LARACHE-MARRUECOS												
		SPGM		23-NOV-1978		H/M/S= 07-12-36.0								
				LAT N= 35- 0.0		LONG W= 06-12.0				PROF= 33.0 KM			MAG=	
				RMS=		ERH=		KM	ERZ=	KM		NES=	IO=	
		LARACHE-MARRUECOS												
NOV	23	GUD	E	12	19	56.5	E	12	20	21.8				70
NOV	23	TOL	E	15	31	06.5								
NOV	23	MAL	E	15	39	34.5	I	15	39	37.0				
NOV	23	TOL	E	16	01	24.0								
NOV	23	STS	E	19	19	24.3								
NOV	24	STS	E	06	07	35.3								
NOV	24	GUD	E	10	19	54.3	I	10	20	19.6				70
NOV	24	STS	I	12	47	23.7								
NOV	24	EBR	E	15	28	01.0	E	15	28	7.0				
NOV	24	ALM	I C	15	30	26.7	I	15	30	34.9				
NOV	24	CRT	E	15	32	05.1	I	15	32	6.4				
NOV	24	MAL	E	16	03	07.3	E	16	3	8.9				
NOV	24	ALM	I C	16	37	44.7	I	16	37	53.0				
NOV	24	STS	E	19	48	04.1								
NOV	26	MAL	E	12	49	21.5	E	12	49	35.0				
NOV	26	GUD	E	18	37	42.9	I	18	38	15.8				73

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
	IMGP		26-NOV-1978 H/M/S= 19-06-47.0						
			LAT N= 39- 6.0 LONG W= 08-30.0 PROF= KM MAG=						
			RMS= ERH= KM ERZ= KM NES= IO=						
	SANTAREM-PORTUGAL								
NOV 26	GUD	E	19 08 03.4	I	19 8 54.4				120
NOV 27	STS	I	05 48 54.0						
NOV 27	EBR			E	9 39 21.0				
NOV 27	TOL	F	12 17 05.5						
	TOL			E	15 14 56.0				
	TOL	E	15 48 11.5	E	15 48 21.5				
NOV 27	STS	I	16 33 59.0						
NOV 28	MAL	E	09 57 33.5	E	9 57 34.5				
NOV 28	TOL			E	12 19 49.0				
NOV 28	CRT	I D	13 11 32.4	I	13 11 37.7				
NOV 28	STS	I	16 43 42.6						
NOV 28	LGR	E	17 15 00.8	I	17 15 10.9	0.2	0.8		
	LGR	I	17 26 04.6	I	17 26 11.7	0.6	0.7		
NOV 29	EBR			E	4 42 25.0				
NOV 29	TOL			E	12 16 49.0				
NOV 29	EBR			E	13 13 24.0				
NOV 29	MAL	E	16 24 06.0	E	16 24 8.1				
NOV 30	LGR	E	13 11 44.3	I	13 11 59.2	0.3	1.3		
NOV 30	ALM	I C	14 36 25.3	I	14 36 27.2				
NOV 30	EBR	E	15 33 15.5	E	15 33 21.0				
NOV 30	STS	I	20 49 05.0						
DIC 01	EBR			E	11 24 35.0				
DIC 01	LGR	I D	11 55 32.4	I	11 55 37.8	0.1	0.8		

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
DIC 01	EBR			E	12 36 3.0				
	EBR			E	17 27 9.0				
DIC 01	ALC	I	22 52 29.0						
	CRT	E	22 52 30.3						
	MAL	E	22 52 44.0	E	22 52 56.0				
	SSIS	01-DIC-1978	H/M/S= 22-52-26.7						
		LAT N= 37-17.8	LONG W= 03-26.7	PROF= 10.0 KM	MAG=				
		RMS= 0.1 ERH=	KM ERZ=	KM NES= 3	IO=				
	GRANADA								
DIC 02	EBR			I	12 52 29.0				
DIC 02	MAL	E	14 49 33.0	I	14 49 52.2				
	CRT	E	14 49 40.0						
	SPGM	02-DIC-1978	H/M/S= 14-49- 2.0						
		LAT N= 34-54.0	LONG W= 04-48.0	PROF= KM	MAG=				
		RMS= ERH=	KM ERZ=	KM NES=	IO=				
	BAB BERRET-MARRUECOS								
DIC 03	STS	I D	18 21 52.4	I	18 21 59.3				
DIC 03	LGR	I D	21 14 50.0	I	21 15 8.5	0.3	0.8		
DIC 04	CRT	E	11 26 19.0	I	11 26 19.3				
	SPGM	05-DIC-0078	H/M/S= 18-20-42.0						
		LAT N= 35- 0.0	LONG W= 04-48.0	PROF= KM	MAG=				
		RMS= ERH=	KM ERZ=	KM NES=	IO=				
	BAB BERRET-MARRUECOS								
	LDG	06-DIC-1978	H/M/S= 15-33-37.2						
		LAT N= 42-42.0	LONG E= 02-48.0	PROF= KM	MAG= 2.8				
		RMS= ERH=	KM ERZ=	KM NES=	IO=				
	PERPIGNAN-FRANCIA								
DIC 07	STS	I	06 38 26.9						
DIC 07	EBR			E	9 38 20.0				

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
DIC	07	STS	I	12	44	28.4								
		STS	I	19	24	52.9								
DIC	09	MAL	E	00	59	14.0	E	0	59	28.5				
DIC	09	EBR					E	11	58	45.0				
		EBR					E	12	4	10.0				
DIC	09	CRT	E	13	14	28.0								
DIC	09	EBR					E	13	20	12.0				
DIC	09	MAL	E	14	45	49.5	E	14	46	11.0				
		SPGM		09-DIC-1978			H/M/S= 14-15-18.0							
				LAT N= 35- 0.0			LONG W= 04- 0.0				PROF= 33.0 KM			MAG=
				RMS=			ERH=		KM	ERZ=		KM	NES=	IO=
		S MORRO NUEVO-MARRUECOS												
DIC	09	CRT	E	15	37	36.5								
DIC	11	ALI	E	08	57	45.3	E	8	58	56.8				
		ALM	I D	08	57	41.4	I	8	59	15.1				
		CRT	I D	08	57	52.7								
		EBR	E	08	58	37.0	E	7	0	5.5				
		LGR	E C	08	59	03.5	E	7	0	44.6				
		TOL	E	08	58	18.0	E	8	59	38.0	0.1	1.1		
DIC	11	EBR					E	9	41	16.0				
DIC	11	LGR	E	10	37	38.2	E	10	37	47.9				
DIC	11	ALM	I	14	39	54.2	I	14	40	2.1				
		ALM	I C	16	12	40.8	I	16	12	43.1				
DIC	12	ALI	E	01	36	16.8	I	1	36	24.4	1.1	0.7		
		EBR	E	01	36	54.0	I	1	37	25.0				
		ALC	E	01	36	56.2								
		TOL	I	01	37	06.2	I	1	37	41.1				
		SSIS		12-DIC-1978			H/M/S= 01-36-13.7							
				LAT N= 38-21.4			LONG W= 00-21.0				PROF= 10.0 KM			MAG= 2.0
				RMS= 0.8			ERH=		KM	ERZ=		KM	NES= 4	IO=
		ALICANTE												
DIC	12	LGR	E	12	09	30.2	I	12	9	35.9	0.1	0.6		

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
DIC	12	STS	I	16	50	10.5								
DIC	13	STS	I	00	45	19.0								
DIC	13	EBR					E	10	22	6.0				
DIC	13	LGR	I D	16	42	52.1	I	16	42	58.8	0.2	0.7		
DIC	14	ALM	I D	12	15	06.1	I	12	15	15.2				
DIC	15	EBR	E	11	06	22.5	E	11	6	27.0				
		EBR					E	12	39	19.0				
DIC	15	STS	I	13	47	30.0								
DIC	15	ALM	I D	14	53	45.1	I	14	53	51.0				
DIC	15	LGR	E	16	24	15.7	I	16	24	24.1	0.4	1.0		
DIC	16	LGR	E	09	58	05.0	E	9	58	31.0	0.3	1.1		
DIC	16	EBR					E	13	28	21.0				
DIC	18	EBR					E	13	54	3.0				
DIC	18	TOL					E	15	47	3.0				
DIC	18	CRT	E	16	59	21.0								
DIC	19	CRT	E	03	00	43.5								
DIC	19	TOL	E	09	12	52.0	E	9	13	6.0				
DIC	19	EBR					E	16	39	29.5				
DIC	19	STS	I	21	54	15.8	I	21	54	25.7				
DIC	20	LGR	E	09	47	27.3	I	9	47	39.5	0.2	1.1		
		LGR	E	12	01	10.3	I	12	1	17.4	0.2	0.8		
DIC	20	EBR					E	15	7	5.0				
DIC	20	MAL	E	15	11	33.0	E	15	11	40.0				
DIC	20	ALM	I C	22	34	16.5	I	22	34	18.8				
		MAL	E	22	34	32.0	E	22	34	51.0				
		TOL	E	22	35	04.0	E	22	35	50.0				120
DIC	21	CRT	E	13	33	21.0								

MES	DIA	STA	PRK	P H	P M	P S	SRM	S H	S M	S S	AMP	PER	STA-COR	DUR
DIC	21	ALM	E	14	05	23.0	E	14	5	27.1				
DIC	21	EBR					E	15	33	8.0				
DIC	22	EBR					E	10	41	20.0				
		EBR	E	12	07	18.0	E	12	7	22.0				
		EBR					E	12	16	33.0				
DIC	23	EBR					E	14	3	57.0				
		SPGM	23-DIC-1978 H/M/S= 05-29- 6.0											
			LAT N= 34-54.0 LONG W= 04-36.0 PROF= KM MAG=											
			RMS= ERH= KM ERZ= KM NES= IO=											
		BAB BERRET-MARRUECOS												
DIC	26	LGR	E	13	37	20.0	I	13	37	30.1				
DIC	27	CRT	E	11	52	55.0	I	11	52	55.0				
DIC	27	ALM	E	17	49	06.6	E	17	51	31.5				
		TOL	I D	17	49	09.2	I	17	51	32.9				410
DIC	28	ALM	I	09	49	37.7								
DIC	28	ALM	E	09	55	03.5	I	9	55	15.2				
		ALI	E	09	55	06.7					0.4	1.2		
		ALC	I	09	55	11.4	E	9	55	31.1				
		CRT	I D	09	55	16.4	I	9	55	38.3				
		TOL	I C	09	55	40.0	I	9	56	16.0	0.1	0.9		140.0
		GUD	I	09	55	50.0	E	9	56	33.0				
		SSIS	28-DIC-1978 H/M/S= 09-54-44.1											
			LAT N= 37- 3.7 LONG W= 01- 8.4 PROF= 60.0 KM MAG= 3.4											
			RMS= 1.5 ERH= KM ERZ= KM NES= 6 IO=											
		MEDITERRANEO												
DIC	28	EBR					E	10	16	11.0				
DIC	28	EBR	E	19	03	58.0	E	19	4	16.0				
		LGR	E	19	04	18.6	I	19	4	47.0				

MES DIA	STA	PRK	P H M S	SRM	S H M S	AMP	PER	STA-COR	DUR
DIC 28	ALC	I	21 31 09.0	E	21 31 16.5				
	CRT	I D	21 31 11.5	I	21 31 21.1				
	ALM	I	21 31 25.3						
	TOL	I	21 31 38.5	I	21 32 6.0	2.5	0.9		250.0
	ALI	E	21 31 41.0	E	21 32 9.0	0.5	1.0		
	SFS	I	21 31 43.9	I	21 32 21.2				
	GUD	I	21 31 42.7	I	21 32 17.2				
	EBR	E	21 32 05.0						
	COI	I D	21 32 03.6	I	21 32 49.9				
	STS	I	21 32 31.0						
	LPO		21 32 51.0						
	LFF		21 32 52.4						
	CAF		21 32 52.0						
	ALR	I	21 31 25.8	I	21 31 36.4				

SSIS 28-DIC-1978 H/M/S= 21-31- 0.5
LAT N= 37-50.3 LONG W= 03-31.5 PROF= 5.0 KM MAG= 4.3
RMS= 2.1 ERH= KM ERZ= KM NES= 9 IO=

SPGM 28-DIC-1978 H/M/S= 21-31- 3.0
LAT N= 37-18.0 LONG W= 04-12.0 PROF= 33.0 KM MAG=
RMS= ERH= KM ERZ= KM NES= IO=

MANCHA REAL-J

DIC 29	EPF		00 19 47.8						
	EBR	E	00 20 08.0	E	0 20 30.5				
	LPO		00 20 11.0						
	LFF		00 20 14.8						
	CAF		00 20 15.6						
	LGR	E	00 20 24.0	E	0 20 57.5	0.3	0.9		
	LRG		00 20 37.8		0 21 24.9				
	GUD	I	00 20 42.0						148.0

SSIS 29-DIC-1978 H/M/S= 00-19-35.6
LAT N= 42-36.3 LONG E= 01- 6.5 PROF= 5.0 KM MAG= 3.9
RMS= 1.0 ERH= 8.2 KM ERZ= KM NES= 8 IO=

CSEM 29-DIC-1978 H/M/S= 00-19-36.0
LAT N= 42-36.0 LONG E= 01- 0.0 PROF= KM MAG= 3.7
RMS= ERH= KM ERZ= KM NES= 29 IO=

LDG 29-DIC-1978 H/M/S= 00-19-36.0
LAT N= 42-36.0 LONG E= 00-54.0 PROF= KM MAG= 3.7
RMS= ERH= KM ERZ= KM NES= IO=

ESTERRI DE ANUE-L

DIC 29	GUD	E	12 07 58.2	E	12 8 6.5				
	TOL	E	12 08 06.5	I	12 8 29.0				

				P				S						
MES	DIA	STA	PRK	H	M	S	SRM	H	M	S	AMP	PER	STA-COR	DUR
DIC	29	EBR	E	12	10	56.5	E	12	11	0				
DIC	29	ALM	I C	14	38	26.01	I	14	38	6.0				

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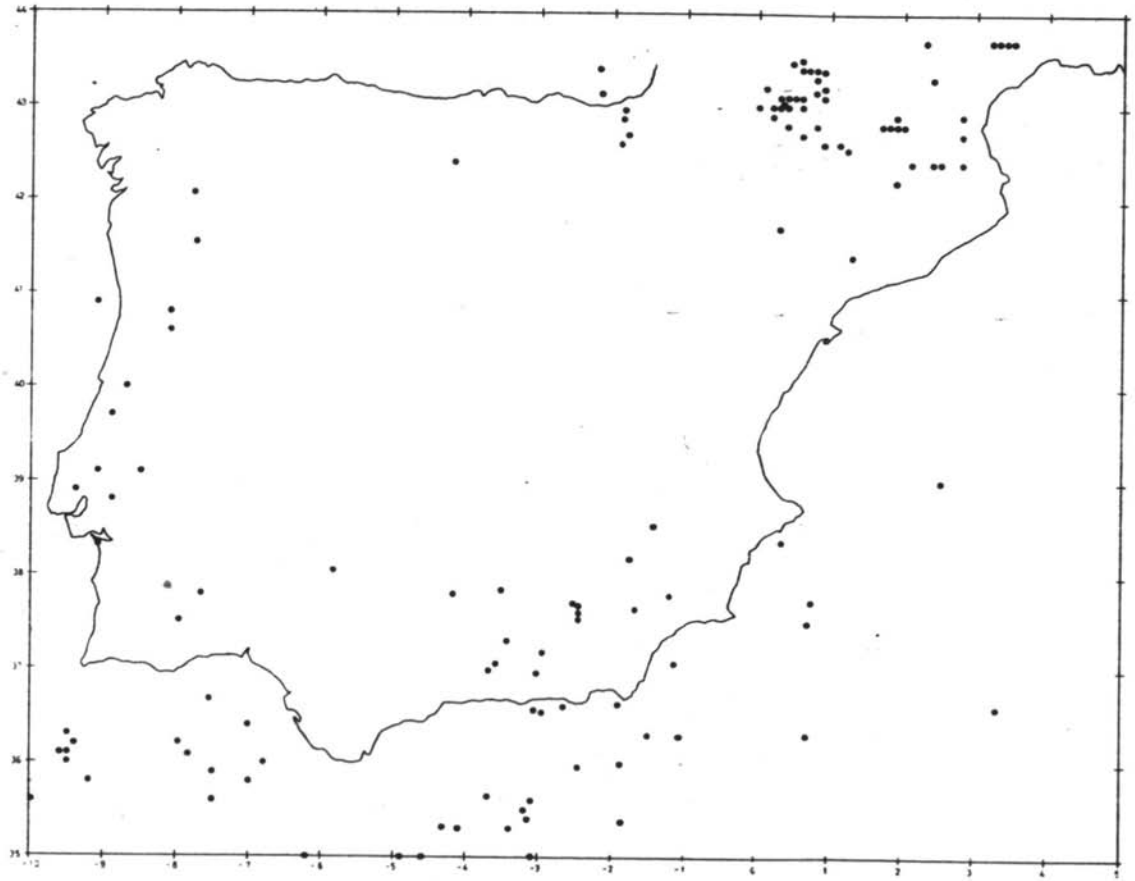

Epicentros localizados en Enero - Diciembre 1978