

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/01	03:29:26.3	+ - 0.36	51.640N	7.770E	5.6	4.4	117	1G		8	4	121	2.0ML		SZGRF	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	Z	03:29:31.8	-1.4	T		41.1	237.6	ML 1.9
	e Sg	N	03:29:38.5	0.4	T				
IBBN	e Pg	Z	03:29:38.5	-0.3	T		74.2	359.3	ML 1.8
	e Sg	E	03:29:48.1	0.6	T				
TNS	e Pg	Z	03:29:52.8	-1.4	T		164.6	163.0	ML 2.1
	e Sg	N	03:30:14.1	0.8	T				
CLZ	e Pg	Z	03:29:55.5	-1.4	T		180.6	81.8	ML 2.0
	e Sg	E	03:30:17.5	-0.4	T				
BRG	e Sg		03:31:35.3	3.9			437.8	98.8	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/01	13:26:31.7	+ - 1.12	51.263N	14.328E	15.4	9.9	77	0G		8	4	161	3.1ML		PIDC	
1998/04/01	13:26:27.8	+ - 0.97	51.380N	14.640E	10.0	8.9	51	0G		10	6	272	2.5ML	MOX	BGR	B

N of Bautzen, Oberlausitz

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	13:26:40.0	-0.5	T	5.6	74.4	221.1	
	e Sg	E	13:26:50.0	0.9	T	17.8			
CLL	e Pg	Z	13:26:47.3	0.1	T	8.2	114.0	266.6	ML 2.3
	e Sg	N	13:27:00.4	0.0	T	13.9			
MOX	e Pg	Z	13:27:05.9	-0.4	T	2.6	226.8	250.1	ML 2.5
	e Sg	N	13:27:31.5	-1.1	T	8.9			
GEC2	e Pg	N	13:27:16.4	-0.5	T	4.5	289.7	193.7	
CLZ	e Pg	Z	13:27:19.6	1.1	T	2.3	299.1	281.5	
GRFO	e Pn	N	13:27:12.3	0.1	T	1.2	306.0	233.5	ML 2.7
	e Sg	N	13:27:56.0	0.8	T	2.3			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/03	08:19:19.5		47.858N	7.995E				0G		17	9		2.2ML		SED	B?
1998/04/03	08:19:19.6		47.804N	7.980E				0G		19	12	144	2.1ML		LEDBW	B

Freiburg i. Breisgau/Upper Rhine Graben

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
FELD	i Pg	+	08:19:21.2	0.1	T		8.2	12.5	
	e Sg		08:19:22.0	0.0	T				
KIZ	i Pg	+	08:19:22.8	0.2	T		17.5	344.8	ML 1.9
	i Sg		08:19:25.3	0.6	T				

SPAK	i	Pg +	08:19:31.6	0.3	T	68.6	60.8										
	i	PmP	08:19:33.7	-1.4	T												
GUT	e	Pg +	08:19:34.9	0.0	T	89.6	70.3	ML	2.1								
	e	PmP+	08:19:36.5	-1.4	T												
	e	Sg	08:19:46.6	1.3													
	i	SmS	08:19:48.5	-1.9	T												
LBG	e	SmS	08:19:54.1	-2.1	T	113.0	31.9	ML	2.1								
BEU	e	Pg	08:19:43.4	0.5		137.2	50.3	ML	2.2								
	e	Sg	08:20:00.1	1.2													
UBR	e	Pg	08:19:47.2	0.5		159.7	94.1	ML	2.1								
	e	Sg	08:20:07.1	1.8	T												
HDH	e	Sg	08:20:13.5	0.5	T	186.5	61.4	ML	2.2								

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/06	07:20:10.4		50.163N	5.970E				5G			11		2.8ML	LDG	NEIC	
Less reliable solution																
1998/04/06	07:20:01.3		50.430N	5.950E				0G		6	3	256	2.0ML	TNS	BGR	L

S of Verviers/B, Spa

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	Z	07:20:27.1	1.1	T	3.4	145.5	38.9	ML 2.5
	e Sg	N	07:20:40.4	-2.5	T				
TNS	e Pg	Z	07:20:34.5	2.9	T	5.3	178.8	96.5	ML 2.0
	e Sg	E	07:20:53.5	1.1	T				
BFO	e Pg	Z	07:20:50.7	0.2	T	1.2	290.1	142.7	
	e Sg	E	07:21:21.7	-2.5	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/08	20:13:14.9	+ - 1.45	51.740N	7.220E	17.8	5.6	125	1G		7	3	271	2.0ML	TNS	BGR	I?

Recklinghausen, Ruhr Coal Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	Z	20:13:20.8	0.2	T	4.5	33.5	174.1	ML 1.4
	e Sg	E	20:13:25.1	0.7	T				
TNS	e Pg	Z	20:13:46.5	-0.5	T	1.4	189.3	152.5	ML 2.0
	e Sg	E	20:14:08.4	-0.6	T				
CLZ	e Pg	Z	20:13:51.7	-0.0	T	1.5	217.1	85.8	
	e Sn	E	20:14:11.5	-0.6	T				
	e Sg	Z	20:14:18.0	1.1	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/08	21:55:28.2		48.630N	6.320E				10G		9	6	303	1.9ML		LEDBW	L
1998/04/08	21:55:27.3		48.670N	6.320E				2			17		1.9ML		STR	
1998/04/08	21:55:27.0	+ - 0.38	48.677N	6.262E	7.0	3.3	176	2	+ - 0.0	24		243	2.4ML		LDG	L

Nancy/F

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	Sn	21:56:04.0	-1.2			127.8	26.7	
KIZ	e Pn	21:55:48.5	-3.2			146.3	122.6	ML 1.9
	e Pg +	21:55:52.0	0.2					
	e Sn	21:56:04.8	-4.3					
	e Sg	21:56:08.3	-0.6					
FELD	Pg	21:55:55.8	2.2			156.7	124.0	
	e Sg	21:56:11.0	-0.8					
BFO	e Pg Z	21:55:53.6	-0.0		1.5	157.1	103.4	
	e Sg N	21:56:07.2	-4.7					
ABH	Sn	21:56:13.4	0.8			163.2	34.4	
LBG	e Pg	21:55:58.6	0.0			185.9	89.5	ML 1.9
	e Sg	21:56:20.7	0.6					
GUT	e Sg	21:56:30.3	0.1			221.2	106.7	ML 1.9
TNS	e Sg N	21:56:32.6	-1.1			233.4	41.8	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/09	00:22:44.1	+/- 0.28	47.607N	7.355E	5.0	2.9	86	2	+/- 0.0	21		194	2.4ML		LDG	L
1998/04/09	00:22:47.4		47.680N	7.490E				10G		5	3	324	1.7ML		SZGRF	L
1998/04/09	00:22:44.2		47.611N	7.441E				8		25	19		1.9ML		SED	
1998/04/09	00:22:44.0		47.616N	7.396E				9		12	7	87	1.9ML		LEDBW	L

Sierentz/F, NW of Loerrach/Upper Rhine Graben

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BAS	e Pg +	00:22:47.5	0.4	T		16.3	120.3	
	e Sg	00:22:50.5	1.2	T				
BBS	i Pg -	00:22:47.7	0.1	T		18.9	153.2	
END	e Pg +	00:22:48.9	-0.1	T		27.9	66.6	
	e Sg	00:22:52.8	0.4	T				
FELD	i Pg +	00:22:53.5	0.2	T		53.9	57.3	
	e Sg	00:23:00.2	0.5	T				
KIZ	e Pg +	00:22:53.3	-0.0	T		54.3	45.7	ML 1.8
	e Sg	00:23:00.1	0.3	T				
LIBD	e Sg	00:23:03.4	1.6			61.4	14.5	
BFO	e Pg Z	00:23:02.2	0.2			105.5	40.8	ML 1.7
	e Sg N	00:23:14.9	0.7					
SPAK	i Pn +	00:23:04.2	-0.1			116.9	61.9	
GUT	e Pg -	00:23:07.5	0.1			137.9	67.9	ML 1.9
	e Sg	00:23:24.8	1.2					
LBG	e Sg	00:23:29.1	0.4			156.0	41.2	ML 2.3
BEU	e Pn	00:23:14.3	1.8			184.6	53.6	ML 2.1
	e Pg -	00:23:15.7	0.3					
	e Sg	00:23:37.9	1.1					
TNS	e Sg N	00:24:10.7	1.0			299.8	14.4	

GRFO e Pg Z 00:23:45.2 -0.4 363.4 49.2
 e Sg E 00:24:28.6 0.7

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/09	00:29:28.4		47.650N	7.380E				2G			14		1.4ML		STR	
1998/04/09	00:29:29.1		47.701N	7.374E				36		14	7		1.7ML		SED	
1998/04/09	00:29:29.4	+- 0.29	47.602N	7.327E	5.3	3.4	88	2	+- 0.0	15		192	2.1ML		LDG	L

W of Mulhouse/F, Upper Rhine Graben

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg Z	00:29:47.4	-0.7		7.3	110.1	42.3	
	e Sg N	00:29:59.9	-1.0					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/13	03:28:29.5	+- 0.26	48.729N	5.711E	4.3	3.4	1	2	+- 0.0	18		130	2.1ML		LDG	L

Toul, W of Nancy/F

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/14	11:13:26.9	+- 0.15	47.117N	5.541E	3.8	2.3	153	2	+- 0.0	21		114	2.4ML		LDG	L

near Dole/F

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/15	04:22:25.0	+- 0.60	51.600N	7.710E	10.0	5.6	159	1G		6	3	200	2.0ML		SZGRF	I
1998/04/15	04:22:23.1		51.627N	7.696E				1G					1.7ML		RUB	

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg Z	04:22:30.3	1.1	TA		36.1	235.1	ML 1.8
	e Sg E	04:22:35.9	2.5					
TNS	e Pg Z	04:22:50.7	-0.3			164.8	161.1	ML 2.0
	e Sg N	04:23:11.5	1.3					
CLZ	e Pg Z	04:22:54.0	-0.6			185.8	81.6	ML 2.1
	e Sg N	04:23:19.0	2.8					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/16	12:19:34.3	+- 1.04	51.476N	14.901E	17.7	9.0	91	0G		10	4	153	3.5ML		PIDC	
1998/04/16	12:19:27.9	+- 1.27	51.420N	14.770E	13.3	10.0	46	0G		6	5	274	2.5ML	CLL	BGR	B

NW of Goerlitz, German-Polish border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
CLL	e Pg	Z 12:19:49.0	0.2	T	4.3	123.3	264.9	ML 2.5
	e Sg	N 12:20:03.1	-0.0	T				
MOX	e Pg	Z 12:20:08.5	0.4	T	3.7	236.8	249.9	ML 2.5
GEC2	e Pg	N 12:20:18.0	-0.1	T	6.0	296.2	195.3	
CLZ	e Pg	Z 12:20:20.0	0.1	T	4.0	307.1	280.5	
GRFO	e Sg	E 12:20:58.5	0.3	T		315.9	233.9	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/16	22:47:33.6	+- 0.79	49.140N	6.830E	11.1	4.4	63	1G		6	3	221	2.1ML		SZGRF	I
1998/04/16	22:47:32.0	+- 0.82	49.130N	6.800E	13.3	5.6	63	1G		6	3	222	2.1ML	BFO	BGR	I
1998/04/16	22:47:33.2	+- 1.50	49.140N	6.880E	17.0	10.0	100	1G		21	15	200	2.4ML		LEDBW	I

Merlebach/F, SW of Saarbruecken, French-German border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	Pg	22:47:43.7	-0.3	T		63.8	11.7	
	Sg	22:47:53.2	1.8	T				
KTD	e Pg	22:47:48.2	-0.2	T		89.7	76.6	
ABH	Pg	22:47:49.8	0.4	T		95.5	30.0	
LIBD	Pn	22:47:47.5	-7.5			122.2	154.0	
BFO	e Pg	Z 22:47:57.3	0.5		11.2	139.3	129.7	ML 2.1
	e Sg	N 22:48:12.3	-0.7					
TOD	Pg	22:47:56.2	-2.2	T		148.6	68.9	
LBG	e Pg	22:47:59.2	0.6	T		149.6	110.0	ML 2.4
	e Sg	22:48:17.3	1.3	T				
KIZ	e Pg	22:47:58.5	-0.5	T		152.2	149.5	ML 2.3
	e Sn	22:48:14.1	-2.6	T				
	e Sg	22:48:17.5	0.8	T				
FELD	e Pg +	22:48:00.5	-0.4	T		163.1	149.1	
TNS	i Pn -	22:47:59.2	-1.1			164.9	42.5	ML 2.4
	e Pg	Z 22:48:00.5	-0.6		3.7			
GSH	e Sg	N 22:48:21.1	0.8			181.2	348.7	
	e Pg	Z 22:48:03.3	-0.6		1.4			
	e Sg	Z 22:48:22.8	-2.1			181.5	128.8	
	Pg	22:48:04.1	0.1					
BEU	e Pg	22:48:06.6	0.2	T		195.5	107.5	ML 2.4
	e Sg	22:48:30.1	1.0	T				
GUT	e Pg	22:48:05.3	-2.2	T		202.8	125.0	ML 2.2
HDH	e Sg	22:48:45.8	0.9	T		251.1	103.0	ML 2.3

UBR e Pn 22:48:16.6 1.3 T 288.2 123.0 ML 2.5

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/17	18:27:49.9	+/- 0.55	48.182N	7.709E	9.0	4.8	85	2	+/- 0.0	17		252	2.5ML		LDG	L
1998/04/17	18:27:49.9		48.200N	7.690E				9			33		2.0ML		STR	
1998/04/17	18:27:52.9		48.090N	7.717E				10		16	11		2.1ML		SED	
1998/04/17	18:27:52.3		48.240N	7.830E				10G		6	5	296	2.2ML	TNS	BGR	L
1998/04/17	18:27:50.3		48.188N	7.686E				9		41	21	59	2.1ML		LEDBW	L

First of a double quake within 40 minutes with the same hypocenter

Emmendingen/Upper Rhine Graben, N of Freiburg

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
KIZ	i Pg -	18:27:55.7	-0.0	T		31.0	146.1	ML 2.1
	i Sg	18:27:59.5	-0.0	T				
HEX	e Pg -	18:27:57.0	-0.1	T		39.1	118.2	
	e Sg	18:28:02.0	0.2	T				
FELD	i Pg -	18:27:57.7	0.1	T		42.0	145.6	
	i Sg	18:28:03.0	0.5	T				
BFO	e Pg +	18:27:59.0	0.1	T		50.2	71.4	ML 1.1
	e Sg	18:28:05.0	0.2	T				
	e SmS	18:28:07.8	-2.8	T				
END	e Pg +	18:27:59.4	0.0	T		52.7	175.8	
	e Sg	18:28:05.7	0.2	T				
	e SmS	18:28:07.8	-3.4	T				
BBS	e Pg +	18:28:04.4	0.3	T		81.5	189.4	
SPAK	e Pg	18:28:04.5	0.2	T		82.2	96.2	
	e Sg	18:28:14.2	0.3	T				
MSS	e Pn	18:28:05.7	-2.1	T		94.9	90.0	
	e Pg	18:28:06.8	0.4	T				
	e Sn	18:28:18.1	-1.9	T				
	e Sg	18:28:19.2	1.7	T				
LBG	i Pn +	18:28:06.3	-1.8	T		97.4	56.7	ML 2.1
	e PmP	18:28:06.9	-2.0	T				
	i Sn	18:28:18.2	-2.4	T				
MSG	e SmS	18:28:19.1	-2.6	T				
	e Pg -	18:28:07.9	0.2	T		102.5	76.3	
GUT	e Sn	18:28:19.4	-2.3	T				
	e Pn	18:28:08.5	-0.8	T		106.9	96.5	ML 2.4
BEU	i Pg +	18:28:08.8	0.3	T				
	e Sn	18:28:20.7	-1.9	T				
	e Sg	18:28:21.8	0.9	T				
BEU	e Pn	18:28:10.9	-1.8	T		135.1	70.3	ML 2.3
	e Pg	18:28:13.5	0.3	T				
	e Sn	18:28:26.4	-2.2	T				
	e Sg	18:28:29.3	0.3	T				

RUP	e	Pg	-	18:28:19.7	-0.1	T	174.4	345.0									
	e	Sg		18:28:39.8	-0.3	T											
ABH	e	Pg		18:28:22.0	-0.3	T	188.6	357.0									
	e	Sg		18:28:43.6	-0.6	T											
UBR	e	Pg		18:28:23.0	0.7	T	189.0	106.5	ML	2.1							
HDH	e	Sg		18:28:44.3	-0.7	T	191.3	75.7	ML	2.2							
TNS	e	Sg	N	18:28:57.1	0.2		3.6	232.9	13.5	ML	2.2						
GRFO	e	Sg	E	18:29:16.0	-2.1		2.7	307.4	55.8	ML	2.6						
MOX	e	Sg	N	18:29:42.3	-0.6		1.4	394.1	44.7								
WET	e	Sg	N	18:29:42.2	-1.2		2.2	395.7	72.5	ML	2.7						

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/17	19:06:46.7	+/- 0.61	48.181N	7.723E	9.6	4.0	79	2	+/- 0.0	19		242	2.5ML		LDG	L
1998/04/17	19:06:48.8		48.079N	7.689E				1		15	8		2.2ML		SED	
1998/04/17	19:06:49.8		48.270N	7.850E				10G		7	6	279	2.3ML	TNS	BGR	L
ML= 2.1(STR)																
1998/04/17	19:06:47.2		48.188N	7.680E				9		37	20	47	2.2ML		LEDBW	L
Second of a double quake within 40 minutes with the same hypocenter																

Emmendingen/Upper Rhine Graben, N of Freiburg

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
KIZ	i Pg -	19:06:52.7	-0.0	T		31.3	145.4	ML 1.9
	i Sg	19:06:56.6	0.2	T				
HEX	e Pg -	19:06:54.0	-0.1	T		39.5	117.9	
	e Sg	19:06:58.6	-0.1	T				
FELD	i Pg -	19:06:54.7	0.2	T		42.2	145.1	
	i Sg	19:07:00.0	0.5	T				
BFO	e Pg +	19:06:55.8	-0.1	T		50.6	71.6	ML 1.1
	e Sg	19:07:01.9	0.0	T				
END	e Pg -	19:06:56.3	0.0	T		52.8	175.3	
	e Sg	19:07:02.6	0.2	T				
	e SmS	19:07:04.7	-3.4	T				
BBS	e Pg -	19:07:01.5	0.4	T		81.5	189.1	
SPAK	e Pg -	19:07:01.8	0.5	T		82.6	96.2	
	e Sg	19:07:11.1	0.2	T				
MSS	e P? -	19:07:03.8		T		95.4	90.0	
	e S?	19:07:14.9		T				
LBG	i Pn +	19:07:03.3	-1.8	T		97.8	56.8	ML 1.9
	e PmP	19:07:03.8	-2.0	T				
	e Sn	19:07:15.2	-2.4	T				
MSG	e Pn -	19:07:04.2	-1.5	T		103.0	76.3	
	e Pg +	19:07:04.9	0.2	T				
	e Sn	19:07:17.1	-1.6	T				
	e Sg	19:07:17.8	1.1	T				
GUT	e Pn	19:07:04.9	-1.3	T		107.3	96.4	ML 2.5

KTD	e	Sg	19:07:25.3	1.1	T		129.3	13.1									
BEU	e	Pn +	19:07:08.0	-1.6	T		135.5	70.4	ML	2.2							
	i	Pg +	19:07:10.0	-0.2	T												
	e	Sg	19:07:26.2	0.3	T												
RUP	e	Pg	19:07:16.7	-0.0	T		174.3	345.2									
	e	Sg	19:07:36.6	-0.4													
ABH	e	Pg +	19:07:18.9	-0.2	T		188.6	357.1									
	e	Sg	19:07:40.4	-0.7													
HDH	e	Pg	19:07:19.9	0.2			191.7	75.8	ML	2.2							
	e	Sg	19:07:41.1	-0.9													
TNS	e	Sg	E 19:07:53.5	-0.2		4.4	233.0	13.6	ML	2.3							
FUR	e	Sg	N 19:08:03.0	-0.4		2.8	266.6	89.3	ML	2.8							
GRFO	e	Sg	N 19:08:13.0	-2.1		2.5	307.8	55.8									
WET	e	Sg	N 19:08:39.4	-1.0		2.5	396.2	72.5	ML	2.6							
GEC2	e	Sg	N 19:08:53.9	-1.7		1.7	449.4	78.4	ML	2.8							

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/19	07:18:00.6	+-	0.37	51.563N	6.804E	6.0	5.4	55	2	+-	0.0	34	298	2.8ML		LDG	L
1998/04/19	07:17:57.7			51.621N	6.716E				10G			11		2.6ML	UCC	NEIC	
Less reliable solution																	
1998/04/19	07:17:58.9			51.580N	6.790E				1G		8	4	244	2.3ML		SZGRF	I
1998/04/19	07:18:02.7			51.410N	6.940E				1G		7	4	233	2.0ML	GSH	BGR	I
1998/04/19	07:18:00.0			51.465N	6.840E				1G					1.8ML		RUB	

Duisburg, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg + Z	07:18:06.0	0.9	TA		29.8	95.0	ML 1.7
	e Sg E	07:18:10.2	1.6		12.9			
GSH	e Pg Z	07:18:16.2	1.4		7.4	87.1	202.0	ML 2.0
	e Sg E	07:18:27.6	2.7		3.2			
TNS	i Pn +	07:18:29.3	0.6			178.3	140.1	ML 2.4
	e Pg Z	07:18:30.5	0.3		4.2			
	e Sg N	07:18:50.8	-0.1		9.8			
CLZ	e Pn Z	07:18:37.0	-0.1			247.2	78.9	ML 2.4
	e Sg E	07:19:09.3	-1.3					
MOX	e Sg Z	07:19:39.1	0.2		2.2	345.9	103.4	ML 2.3

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/21	02:30:58.0	+-	0.18	47.184N	9.209E	3.1	2.0	72	2	+-	0.0	108	228	3.7ML		LDG	L
1998/04/21	02:30:55.4			47.206N	9.296E				10G			100		3.8ML	FBB	NEIC	
ML= 3.9(GRF), ML= 3.6(VIE,FUR), ML= 3.5(STR)																	
1998/04/21	02:30:56.2			47.150N	9.420E				10G		18	8	270	3.7ML		SZGRF	L
1998/04/21	02:30:55.1			47.100N	9.310E				10G		13	8	274	3.7ML	FUR	BGR	L
1998/04/21	02:30:56.6			47.160N	9.370E				10		77	31	233	3.8ML		LEDBW	L
1998/04/21	02:30:56.0			47.143N	9.344E				8		26	17		3.6ML		SED	

Vaduz/Liechtenstein, Swiss-Liechtenstein-Austrian border reg

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
UBR	e Pg +	02:31:10.7	0.6			83.0	43.6	ML 3.8
	e Sg	02:31:21.8	2.0					
	e SmS	02:31:25.3	1.4					
HTN	i Pg -	02:31:12.8	-0.0			98.6	1.5	
	i PmP+	02:31:14.3	-0.6					
	e Sg	02:31:24.7	0.4					
GUT	e SmS	02:31:27.2	-0.7					
	e Pg -	02:31:13.6	-0.1			104.6	350.6	ML 3.6
	e PmP	02:31:14.9	-0.9					
SPAK	e Sg	02:31:26.2	0.2					
	e SmS	02:31:27.8	-1.5					
	e Pn -	02:31:15.5	-0.6			114.6	338.8	
MSS	e Sg	02:31:30.0	1.2					
	e Pn +	02:31:16.1	-0.5			118.8	346.4	
	i Pg -	02:31:16.8	0.6					
BHB	e Sn	02:31:30.9	-0.2					
	e Sg	02:31:31.7	1.7					
	e Pn -	02:31:17.1	-0.3			125.4	348.4	
FELD	e Pg -	02:31:17.8	0.5					
	e Sn	02:31:31.9	-0.6					
	e Sg	02:31:33.4	1.5					
HSN	e Pn -	02:31:17.8	-0.1			129.5	309.5	
	i Pg	02:31:18.5	0.5					
	e Pn -	02:31:17.6	-0.3			129.6	355.1	
OGA	i Pg +	02:31:18.5	0.5					
	e Sg	02:31:33.1	-0.0					
	i Pg +	02:31:18.2	-0.1			131.1	102.9	
HEX	e Pn -	02:31:17.9	-0.4			132.5	317.9	
	e Pg +	02:31:18.8	0.3					
	e Pn -	02:31:18.0	-0.4			134.0	350.4	
JUN	e Pg -	02:31:19.0	0.3					
	e Sn	02:31:33.5	-0.7					
	e Sg	02:31:35.7	1.4					
ENG	e Pn -	02:31:18.1	-0.4			134.7	345.0	
	e Pg -	02:31:19.1	0.2					
	e Sn	02:31:33.6	-0.8					
END	e Sg	02:31:35.5	0.9					
	i Pn -	02:31:18.5	-0.2			136.5	298.4	
	e Pn	02:31:19.7	0.6			139.9	289.1	
BAS	e Sg	02:31:37.4	1.3					
	e Pn -	02:31:18.8	-0.4			140.1	310.7	ML 4.2
	e Pg +	02:31:19.9	0.1					
KIZ	e Sg	02:31:36.3	0.2					
	e Pn -	02:31:19.0	-0.4			141.6	350.7	
	e Pg -	02:31:20.2	0.2					
MSG	e Sn	02:31:35.2	-0.7					
	e Sg	02:31:37.3	0.8					

BBS	i	Pn	-	02:31:19.8	0.3		142.9	285.2	
	i	Pg		02:31:20.9	0.6				
FBB	e	Pg	-	02:31:21.1	0.1		147.0	311.0	
	e	Sg		02:31:38.2	0.1				
BFO	e	Pn	-	02:31:20.3	-0.3		152.2	330.5	ML 3.4
	i	Pg	+	02:31:22.0	0.1				
	e	Sg	N	02:31:39.7	0.2				
BEU	e	Pn	-	02:31:21.1	-0.6		160.3	1.9	ML 3.8
	i	Pg	+	02:31:23.3	0.1				
	e	Sn		02:31:39.3	-0.5				
	e	Sg		02:31:42.6	0.8				
LIBD	e	Sg		02:31:44.8	-0.4		171.9	311.3	
HDH	e	Pn	+	02:31:22.2	-0.9		172.7	21.6	ML 3.8
	e	Pg		02:31:25.5	0.2				
	e	Sg		02:31:45.7	0.3				
LBG	e	Pn	-	02:31:22.8	-0.5		174.0	346.6	ML 3.5
	e	Pg	-	02:31:25.4	-0.1				
	e	Sg		02:31:45.7	-0.0				
SCE	e	Pn		02:31:26.0	2.0		179.5	92.8	
FUR	e	Pg	Z	02:31:27.3	0.1	33.4	183.8	51.2	ML 3.7
	e	Sg	E	02:31:49.6	1.1				
HEI	e	Pn	-	02:31:32.8	-0.4		254.9	349.9	
	e	Pg	+	02:31:39.4	0.2				
KTD	e	Pn	-	02:31:33.8	0.1		259.4	339.4	
BHG	i	Pn	-	02:31:37.5	2.0		273.5	75.1	
TOD	e	Pn	-	02:31:35.3	-0.5		276.7	351.9	
GRFO	e	Pn	N	02:31:39.2	-1.3	2.1	315.3	25.4	ML 3.8
	e	Sg	E	02:32:26.1	-0.1				
GRA1	e	Pn	Z	02:31:38.9	-1.7		315.5	25.4	ML 3.9
	e	Sg	N	02:32:26.0	-0.1				
RUP	e	Pn	+	02:31:43.5	1.0		330.7	330.2	
	e	Pg		02:31:51.8	-0.3				
ABH	e	Pn	-	02:31:43.2	0.6		332.0	337.2	
	e	Pg		02:31:52.3	0.1				
WET	e	Pn	Z	02:31:44.2	0.1	30.9	343.8	48.4	ML 4.0
	e	Pg	Z	02:31:55.3	1.0	119.4			
	e	Sn	E	02:32:20.0	1.3				
TNS	e	Pn	Z	02:31:44.7	0.1	9.9	348.7	349.5	ML 3.5
	e	Sn	E	02:32:21.2	1.5				
	e	Sg	E	02:32:38.1	2.5				
ROTZ	i	Pn	+	02:31:44.5	-1.5		360.2	34.8	ML 3.4
GEC2	e	Pn	Z	02:31:48.4	0.5	5.8	375.4	58.1	ML 3.6
	e	Sn	E	02:32:27.8	2.5				
	e	Sg	E	02:32:40.8	-2.5				
MOX	e	Pn		02:31:51.6	-2.1		423.2	22.2	
	i	Pg		02:32:07.7	-0.0				
	i	Sg		02:32:55.5	-1.4				
GSH	e	Pn	Z	02:31:58.8	1.2	4.0	454.5	332.6	

BUG	e	Pn	Z	02:32:04.2	1.0			1.9	500.9	343.3							
CLZ	e	Pg	Z	02:32:23.5	-2.0				527.7	7.7	ML	3.9					
	e	Sg	E	02:33:27.0	0.2												
BRG	e	Pg		02:32:25.8	-0.6				533.2	37.2							
	e	Sg	E	02:33:25.8	-2.6												
CLL	i	(Pg)		02:32:28.6	2.1				533.7	28.5	ML	4.0					
	e	Sg	E	02:33:26.8	-1.8												

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/21	11:20:28.1	+ - 1.49	51.426N	14.178E	24.8	11.4	95	0G		8	4	185	3.2ML		PIDC	
1998/04/21	11:20:24.8	+ - 2.84	51.440N	14.830E	42.3	11.1	33	0G		4	3	291	2.2ML	CLL	BGR	B

NW of Goerlitz, German-Polish border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z 11:20:39.9	0.2	T	5.9	88.3	224.8	
CLL	e Pg	Z 11:20:46.5	0.0	T	2.2	127.7	264.1	ML 2.2
	e Sg	N 11:21:01.3	-0.0	T				
GEC2	e Pg	Z 11:21:15.3	-0.2	T	3.1	299.5	196.0	ML 2.6

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/21	14:32:41.7	+ - 0.68	51.600N	7.790E	10.0	5.6	178	1G		6	4	196	2.1ML	TNS	BGR	I
1998/04/21	14:32:41.2		51.627N	7.696E				1G					1.8ML		RUB	

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg +	Z 14:32:48.4	1.1	TA		36.1	235.1	
	e Sg	E 14:32:53.8	2.3					
GSH	e Pg	Z 14:33:04.5	0.5		2.7	135.0	223.4	ML 2.1
TNS	e Pg	Z 14:33:09.4	0.2		2.6	164.8	161.1	ML 2.1
	e Sg	E 14:33:27.2	-1.1					
CLZ	e Pg	Z 14:33:12.3	-0.4		3.7	185.8	81.6	ML 2.1

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/22	11:59:50.8	+ - 1.29	51.391N	14.391E	19.9	10.7	96	0G		9	5	137	3.7ML		PIDC	
1998/04/22	11:59:47.2	+ - 1.85	51.500N	14.830E	23.3	8.9	25	0G		7	5	294	2.5ML	CLL	BGR	B

NW of Goerlitz, German-Polish border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z 12:00:03.4	0.4	T	9.4	93.2	221.9	

CLL	e	Pg	E	12:00:08.5	-0.5	T	3.2	128.5	261.1	ML	2.5
	e	Sg	Z	12:00:24.3	0.4	T					
MOX	e	Pg	Z	12:00:29.2	0.7	T	4.1	243.9	248.3	ML	2.4
	e	Sg	N	12:00:56.9	0.0	T					
WET	e	Pg	Z	12:00:36.8	-0.7	T	3.6	296.3	208.6	ML	2.6
GEC2	e	Pg	Z	12:00:39.5	0.5	T	9.1	305.9	195.7	ML	2.7

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/25	04:17:21.4	+/- 0.29	47.740N	7.718E	4.4	2.3	83	16	+/- 1.6	64		213	3.0ML		LDG	L
1998/04/25	04:17:20.4		47.740N	7.790E				8			63		2.8ML		STR	
1998/04/25	04:17:20.7		47.741N	7.794E				10		14	10		2.5ML		SED	
1998/04/25	04:17:21.3		47.770N	7.830E				10G		10	8	290	3.2ML	FUR	BGR	L
1998/04/25	04:17:20.8		47.840N	7.760E				10G		13	7	289	2.9ML		SZGRF	L
1998/04/25	04:17:20.8		47.740N	7.804E				9		29	15	129	3.1ML		LEDBW	L

Followed by an aftershock Apr 25, 20:12 with Ml= 1.5

Schopfheim, NE of Basel/CH

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
END	i Pg -	04:17:22.8	0.2	T		5.7	240.8	
	e Sg	04:17:24.3	0.4	T				
FELD	i Pg +	04:17:25.0	0.3	T		21.3	44.5	
	Sg	04:17:28.0	0.5	T				
KIZ	i Pg +	04:17:25.4	0.0	T		25.5	19.5	ML 3.1
	i Sg	04:17:28.8	0.2	T				
BAS	e Pg -	04:17:25.8	0.1	T		27.5	217.0	
	e Sg	04:17:29.8	0.8	T				
FBB	i Pg +	04:17:26.2	0.2	T		29.3	7.2	
	i Sg	04:17:30.0	0.4	T				
BBS	i Pg -	04:17:27.4	0.0	T		37.8	215.9	
HEX	i Pg +	04:17:27.8	-0.0	T		40.5	39.4	
	e Sg	04:17:32.9	0.2	T				
LIBD	e Pg	04:17:29.7	0.6	T		48.0	341.9	
BFO	e Pg -	04:17:33.8	0.0	T		76.4	30.6	ML 2.2
	e PmP	04:17:34.7	-1.6	T				
	e Sg	04:17:42.7	-0.1	T				
	e SmS	04:17:44.5	-2.5	T				
SPAK	e Pg +	04:17:35.2	0.2	T		83.5	60.8	
	PmP	04:17:35.8	-1.5	T				
	e Sg	04:17:45.1	0.4	T				
ENG	e Pn +	04:17:37.4	-1.8			101.8	50.9	
	e Pg +	04:17:38.2	0.1					
	e Sn	04:17:50.2	-1.9					
	e Sg	04:17:51.2	1.3					
GUT	e Pn -	04:17:37.8	-1.7			104.4	68.9	ML 2.9
	e Pg -	04:17:38.7	0.1					
	e Sg	04:17:51.1	0.4					

BHB	e	Pn	-	04:17:38.0	-1.6					105.6	57.3						
	e	Pg	-	04:17:38.8	0.1												
	e	Sn		04:17:51.7	-1.1												
MSG	e	Pn		04:17:39.2	-1.8					117.2	50.8						
	e	Pg		04:17:40.6	-0.1												
	e	Sn		04:17:54.5	-0.8												
	e	Sg		04:17:55.4	1.1												
HSN	i	Pn	-	04:17:39.8	-1.7					120.9	58.2						
	e	Pg	+	04:17:41.2	-0.1												
	e	Sg		04:17:56.2	0.7												
LBG	i	Pn	-	04:17:40.1	-2.0					126.3	35.2	ML	3.2				
	e	Pg		04:17:41.9	-0.3												
	i	Sg		04:17:57.1	0.1												
BEU	e	Pn	-	04:17:43.3	-2.0					151.9	51.3	ML	2.9				
	i	Pg	+	04:17:46.7	0.1												
	e	Sn		04:18:00.8	-1.9												
	e	Sg		04:18:04.3	-0.0												
UBR	e	Pn	-	04:17:47.3	-0.5					172.5	91.3	ML	3.1				
	e	Pg		04:17:50.0	-0.1												
	e	Sg		04:18:10.6	0.5												
KTD		Sg		04:18:11.2	-0.2					176.9	6.6						
HDH	e	Pn	-	04:17:49.4	-1.9					201.4	61.3	ML	3.0				
	i	Sn		04:18:12.2	-0.9												
	e	Sg		04:18:17.6	-0.8												
TOD		Sg		04:18:23.1	-0.6					220.0	19.1						
ABH		Pg		04:18:01.2	-0.1					238.9	355.6						
FUR	e	Pg	Z	04:18:06.2	0.8					262.7	78.4	ML	3.3				
	e	Sg	N	04:18:36.3	0.4												
TNS	e	Pn	Z	04:17:59.6	-1.3					280.0	9.4						
	e	Sn	N	04:18:28.5	-1.2												
	e	Sg	N	04:18:41.0	0.2												
GRC1	e	Sg	N	04:18:48.2	-0.6					308.0	61.7	ML	2.9				
GRFO	e	Pg	Z	04:18:16.8	-0.2					331.4	47.9						
	e	Sg	N	04:18:55.4	-0.1												
GRA1	e	Pg	Z	04:18:16.6	-0.4					331.6	47.8	ML	3.2				
	e	Sg	N	04:18:54.5	-1.0												
WET	e	Pn	Z	04:18:15.0	-1.2					405.4	65.5	ML	3.1				
	e	Sn	N	04:18:56.7	0.5												
	e	Sg	N	04:19:15.3	-1.3												
MOX	e	Sg	Z	04:19:21.8	-0.5					425.4	39.2						
GEC2	e	Sg	N	04:19:29.4	-0.8					453.1	72.1						
CLL	e	Sg		04:19:56.0	-0.7					545.8	41.5						
BRG	e	Sg	N	04:20:00.3	-1.9					564.9	49.6						

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/28	13:07:36.4	+-	1.10	51.506N	14.537E	21.6	11.7	86	0G		9	5	120	3.4ML		PIDC	
1998/04/28	13:07:31.2	+-	3.67	51.440N	14.780E	57.8	12.2	58	0G		5	5	275	2.5ML	MOX	BGR	B

NW of Goerlitz, German-Polish border region

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	13:07:45.7	-0.1	T		85.9	223.1	
MOX	e Pg	Z	13:08:12.1	0.5	T		238.2	249.4	ML 2.5
WET	e Pg	Z	13:08:19.4	-0.8	T		288.8	208.6	
GEC2	e Pg	Z	13:08:22.3	0.5	T		298.6	195.3	
CLZ	e Pg	Z	13:08:23.3	0.0	T		307.3	280.1	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/29	12:03:21.9		50.341N	7.391E				10G			5		2.0ML	STR	NEIC	
ML= 1.9(UCC), Less reliable solution																
1998/04/29	12:03:22.7	+ - 0.41	50.450N	7.440E	7.8	4.4	43	0G		6	4	129	1.8ML	TNS	BGR	B?

Neuwied, N of Koblenz

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg	Z	12:03:35.2	-0.3	T	9.0	75.8	109.1	ML 1.8
	e Sg	N	12:03:44.9	0.5	T				
GSH	e Pg	Z	12:03:37.2	0.7	T	1.6	81.5	293.5	ML 1.6
	e Sg	N	12:03:46.0	0.1	T				
BUG	e Sg	N	12:03:54.2	-0.1	T		110.8	353.9	ML 1.9
BFO	e Sg	N	12:04:31.9	-0.6	T		244.3	164.4	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/29	18:10:53.5		47.256N	8.582E				10G			14		2.0ML	STR	NEIC	
1998/04/29	18:10:50.9	+ - 3.50	47.090N	8.490E	37.0	16.0	32	10G		11	6	275	2.0ML		LEDBW	L
1998/04/29	18:10:53.3		47.212N	8.500E	0.8	0.8	0	31	+ - 1.3	27	18	63	2.3ML		SED	

S of Zuerich/CH, Zuerichsee

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
FELD	e Sg		18:11:17.5				82.7	333.4	
KIZ	e Pg	+	18:11:09.1				93.5	332.4	ML 2.3
	e Sg		18:11:20.0						
GUT	i Pn	+	18:11:09.1				106.0	25.5	ML 1.8
	e Pg		18:11:11.4						
	e Sn		18:11:21.1						
	e Sg		18:11:24.2						
BFO	e Pg	Z	18:11:14.4			2.1	125.0	354.2	
	e Sg	E	18:11:28.8						
UBR	i Pn	+	18:11:13.4				131.7	66.1	ML 2.0
	e Pg		18:11:16.0						
	e Sn		18:11:28.4						
	e Sg		18:11:32.0						

BEU e Pg 18:11:23.8 167.1 23.8 ML 1.9
 e Sg 18:11:40.4

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/04/30	14:39:43.9	+-	1.44	51.355N	14.403E	32.1	12.1	106	0G		6	3	182	3.2ML	OG	PIDC	
1998/04/30	14:39:41.8	+-	1.37	51.380N	14.740E	16.7	11.1	44	0G		6	5	273	2.3ML	MOX	BGR	B

Horka, NE of Bautzen

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	14:39:55.5	0.3	T		79.2	224.9	
CLL	e Pg	Z	14:40:02.0	-0.3	T		120.9	266.9	
MOX	e Pg	Z	14:40:21.8	0.5	T		233.3	250.7	ML 2.3
	e (Sg)	N	14:40:48.5	-0.0	T				
GEC2	e Pg	Z	14:40:31.0	-0.2	T		291.4	195.1	
CLZ	e Pg	Z	14:40:33.8	0.1	T		305.9	281.4	

Unassociated arrivals

Sta	Phase	Date	Time	TRes	Def	S/N	Dist	EvAz	Mag
CLL	e Sg	1998/04/02	08:39:47.0						
MOX	i (Pg)	1998/04/02	18:47:00.5						
MOX	i Sg	1998/04/02	18:47:02.0						
OGA	i Pg +	1998/04/05	07:56:36.8						
BRG	e Pn	1998/04/06	00:09:48.6						
CLL	e Sg	1998/04/06	09:53:19.0						
CLL	e Sg	1998/04/06	15:50:42.0						
MOX	i (Sg)	1998/04/07	02:09:26.6						
BRG	i Sg	1998/04/07	02:44:19.4						
CLL	e (Sg)	1998/04/07	05:26:47.0						
BRG	e Sg	1998/04/07	19:44:38.5						
CLL	e (Sg)	1998/04/07	19:45:05.0						
CLL	e Sg	1998/04/07	21:05:26.0						
BRG	i Sg	1998/04/08	16:21:14.1						
BRG	i Pg	1998/04/08	16:21:54.0						
BRG	i Sg	1998/04/08	21:52:50.5						
CLL	e Sg	1998/04/08	21:53:13.0						
CLL	e Sg	1998/04/08	23:28:20.0						
BRG	e Sg	1998/04/12	15:09:29.9						
BRG	e Sg	1998/04/12	23:39:23.4						
CLL	e Sg	1998/04/15	19:22:31.0						
CLL	e Sg	1998/04/16	13:35:10.0						

MOX	e (Sg)	1998/04/20 17:38:46.3
BRG	e Sg	1998/04/21 07:53:16.8
BRG	e Sg	1998/04/21 08:21:34.2
HOF	i Pn +	1998/04/21 17:27:58.5
HOF	e Pn	1998/04/21 18:21:44.0
BRG	e Pg	1998/04/22 10:32:50.8
BRG	e Sg	1998/04/23 02:10:51.5
SCE	i Pn +	1998/04/23 09:25:18.2
CLL	e Sg	1998/04/23 13:02:27.0
SCE	i Pn -	1998/04/23 13:07:51.6
CLL	e (Sg)	1998/04/23 23:03:50.0
MOX	e Sg	1998/04/24 12:02:45.7
BRG	e Pg	1998/04/24 12:18:20.5
CLL	e Sg	1998/04/24 22:24:17.0
SCE	i Pn +	1998/04/26 16:27:15.6
CLL	e Sg	1998/04/28 02:41:47.0
CLL	e Sg	1998/04/28 18:53:27.0
SCE	e Pg	1998/04/29 22:51:31.7
CLL	e (Sg)	1998/04/30 03:43:45.0
BRG	e Sg	1998/04/30 19:22:39.0