

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/02	11:41:32.6	+ - 1.09	48.638N	10.284E	45.7	18.1	168	2	+ - 0.0	6		346	2.5ML		LDG	L
<b>1998/01/02</b>	<b>11:41:33.0</b>		<b>48.760N</b>	<b>10.160E</b>				<b>0G</b>		<b>6</b>	<b>5</b>	<b>164</b>	<b>2.2ML</b>	<b>WET</b>	<b>BGR</b>	<b>B</b>

Heidenheim/Swabian Jura

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
GRFO	e Pg N	11:41:54.9	0.0	T	5.6	129.0	36.2	
	e Sn N	11:42:11.6	-0.2		4.1			
BFO	e Pg Z	11:41:57.3	0.1	T	3.8	143.0	251.2	ML 2.3
	e Sn N	11:42:14.8	0.1	T	6.9			
WET	e Sg N	11:42:31.2	0.2	T	1.7	203.0	76.8	ML 2.2
MOX	e Sg E	11:42:40.0	0.0	T	2.3	234.2	26.0	ML 2.5
GEC2	e Sg N	11:42:47.2	0.0	T	2.7	259.5	86.6	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/05	02:48:13.2	+ - 0.29	47.538N	7.205E	5.4	3.0	93	2	+ - 0.0	19		185	2.1ML		LDG	L

SE of Belfort/F, French-Swiss border region

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/05	04:47:54.2		49.165N	6.857E				11			34		3.9ML	GRF	NEIC	I
ML= 3.5(CLL,UCC), Mining induced event in the Lorraine region, France.																
1998/01/05	04:47:56.3		49.034N	6.818E	31.1	31.1	0	10	+ - 36.0	21	19	308	3.5ML		SED	
1998/01/05	04:47:53.5	+ - 0.53	49.160N	6.800E	5.6	3.3	60	1G		18	8	221	3.6ML		SZGRF	I
1998/01/05	04:47:53.3	+ - 0.63	49.130N	6.750E	7.8	3.3	57	1G		14	8	224	3.3ML	BFO	BGR	I
<b>1998/01/05</b>	<b>04:47:54.2</b>	<b>+ - 0.60</b>	<b>49.140N</b>	<b>6.840E</b>	<b>11.0</b>	<b>3.0</b>	<b>90</b>	<b>1G</b>		<b>44</b>	<b>24</b>	<b>194</b>	<b>3.4ML</b>		<b>LEDBW</b>	<b>I</b>

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

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	i Pg -	04:48:05.4	0.3	T		64.4	14.2	
	e Sg	04:48:13.2	0.6	T				
KTD	i Pg +	04:48:09.8	-0.1	T		92.5	77.0	
ABH	e Pg -	04:48:10.3	-0.4	T		97.0	31.5	
LIBD	i Pg -	04:48:16.4	1.2	T		123.5	152.7	
HEI	e Pn	04:48:17.2	-1.0			139.9	77.4	
	e Sg	04:48:34.6	0.5	T				
BFO	e Pn +	04:48:17.4	-1.1			141.6	128.9	ML 3.3
	e Pg +	04:48:18.4	0.2	T				
	e Sn	04:48:33.4	-2.1	T				
	e Sg	04:48:35.5	0.8	T				
KIZ	e Pn -	04:48:18.6	-1.3	T		153.7	148.5	ML 3.4
	e Pg	04:48:20.3	0.1	T				
	e Sg	04:48:38.5	0.3	T				

HEX	e	Pn	04:48:19.2	-1.2	T	157.4	141.8	
	e	Pg +	04:48:20.9	-0.0	T			
	e	Sg	04:48:39.4	0.3	T			
BAW	e	Pn -	04:48:19.8	-1.0	T	161.3	157.2	
	e	Pg -	04:48:21.8	0.3	T			
	e	Sg	04:48:40.8	0.5	T			
FELD	e	Pg -	04:48:22.3	0.2	T	164.6	148.2	
	e	Sg	04:48:41.6	0.4	T			
TNS	e	Pn Z	04:48:20.6	-0.9		4.0	166.9	43.2 ML 3.6
	e	Sg N	04:48:42.1	0.2				
END	e	Pn +	04:48:21.3	-0.8	T	171.7	157.0	
	e	Pg +	04:48:23.2	-0.1	T			
	e	Sg	04:48:43.4	0.2	T			
GSH	e	Pn Z	04:48:22.2	-0.9		2.3	180.6	349.6 ML 3.2
	e	Pg Z	04:48:24.0	-0.9		6.5		
	e	Sg N	04:48:44.9	-0.9				
MSG	e	Pg	04:48:25.5	0.7	T	180.7	116.3	
SPAK	e	Pn	04:48:23.5	-0.0		183.8	128.2	
BHB	e	Pn	04:48:23.4	-0.6	T	187.3	121.2	
	e	Pg	04:48:26.1	0.2	T			
	e	Sg	04:48:48.4	0.7	T			
SOL	e	Pn	04:48:23.5	-0.8	T	189.5	154.1	
	e	Pg +	04:48:26.3	-0.1	T			
	e	Sg	04:48:48.3	-0.0	T			
BBS	e	Pg	04:48:27.8	1.0	T	192.8	164.9	
BEU	e	Pn	04:48:25.3	-0.1		198.3	107.2	ML 3.4
	e	Pg +	04:48:28.1	0.3	T			
	e	Sg	04:48:51.6	0.7	T			
HOL	e	Pg +	04:48:30.9	-0.1	T	217.1	82.1	ML 3.3
HDH	e	Pn	04:48:31.6	-0.5		253.9	102.8	ML 3.3
	e	Pg	04:48:37.0	-0.2	T			
	e	Sg	04:49:07.6	0.8	T			
BUG	e	Pn Z	04:48:32.7	0.2		2.7	257.6	6.6
	e	Sg N	04:49:07.3	-0.5				
UBR	e	Pn -	04:48:37.4	0.8	T	290.6	122.7	ML 3.6
	e	Sg	04:49:21.8	4.6				
GRFO	e	Pg Z	04:48:49.3	0.4		8.5	322.7	77.4
GRA1	e	Pg Z	04:48:46.3	-2.6			322.8	77.4
	e	Sg E	04:49:25.8	-0.6				
FUR	e	Pn Z	04:48:44.7	1.7			343.4	106.8 ML 4.1
	e	Sg E	04:49:33.8	1.5				
MOX	e	Pn Z	04:48:48.7	1.1			380.7	62.1
	i	Pg	04:49:02.4	3.7				
	e	Sn N	04:49:28.2	2.2				
	e	Sg N	04:49:42.0	-0.9				
HOF	e	Pn	04:48:49.1	1.0			384.8	68.3
CLZ	e	Pn Z	04:48:48.1	-0.7			390.6	38.4
	e	Sn E	04:49:28.8	0.6		2.2		
	e	Sg N	04:49:46.6	0.8				

WET	e	Pn		04:48:58.5	3.8			439.1	87.7								
CLL	e	Pg		04:49:20.0	1.0			500.1	58.9		ML	3.5					
	e	Sg		04:50:17.0	-0.1												
GEC2	e	Pn	Z	04:49:03.2	0.9		44.2	501.5	91.2								
	e	Sn	N	04:49:52.4	0.9		4.0										
BRG	e	Pn		04:49:08.1	0.8			542.7	66.5								
	i	Pg		04:49:29.4	3.2												
	i	Sg		04:50:29.9	0.7												

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
	Inntal,	NE of	Innsbruck/A														

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/05		17:52:19.2	+ - 0.68	49.370N	6.880E	10.0	4.4	66	1G		6	3	209	2.0ML	BFO	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	i Pn +	17:52:44.2	0.1			147.1	49.3	ML 2.2
	e Pg Z	17:52:44.3	0.2	T	2.7			
	e Sg N	17:53:01.2	0.0	T	2.7			
GSH	e Pg Z	17:52:45.5	-0.1	T	1.4	156.2	346.9	ML 2.1
	e Sg N	17:53:03.9	0.2	T	1.9			
BFO	e Pg Z	17:52:45.8	0.1	T	3.2	156.9	136.9	ML 2.0
	e Sg E	17:53:03.9	-0.1	T	2.6			

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/06		04:07:55.1		49.416N	6.916E				5G			6		2.4ML	FBB	NEIC	I
	Mining induced event in the	Lorraine	region, France.														
1998/01/06		04:07:54.3	+ - 0.71	49.340N	6.830E	10.0	4.4	65	1G		6	3	213	2.2ML	BFO	BGR	I
1998/01/06		04:07:55.0	+ - 0.50	49.380N	6.980E	10.0	2.0	87	1G		13	8	193	2.4ML		LEDBW	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	i Pg +	04:08:01.5	0.3	T		36.2	9.1	
ABH	i Pg +	04:08:07.0	0.3	T		69.1	36.0	
	e Sg	04:08:16.0	1.3	T				
TNS	e Pn +	04:08:19.6	0.5			140.9	47.8	ML 2.2
	e Pg Z	04:08:19.6	0.7		2.6			
	i Sn -	04:08:35.3	-0.8					
	e Sg N	04:08:38.0	2.7		2.5			

BFO	e	Pg	Z	04:08:21.1	0.2		5.0	152.9	139.3	ML	2.2
	e	Sg	E	04:08:39.3	0.6		3.4				
GSH	e	Pg	Z	04:08:21.1	-0.5		1.9	156.9	344.3	ML	2.2
	e	Sg	E	04:08:39.6	-0.3		1.5				
KIZ	e	Pg	+	04:08:23.7	-0.6	T		172.7	156.1	ML	2.4
	e	Sg		04:08:44.2	-0.2	T					
FELD	e	Pg		04:08:26.2	0.1	T		183.3	155.4		
	e	Sg		04:08:47.3	-0.0	T					

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/06	18:07:11.4	+-	0.64	49.380N	6.930E	10.0	4.4	67	1G		6	3	207	2.0ML	BFO	BGR	I

## Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pn +	18:07:35.9	0.0			143.6	48.7	ML 2.1
	e Pg Z	18:07:35.9	0.1	T	3.4			
	e Sg E	18:07:52.3	-0.1	T	2.2			
BFO	e Pg Z	18:07:37.6	-0.1	T	1.6	155.3	138.2	ML 2.0
	e Sg E	18:07:56.0	0.3	T	2.6			
GSH	e Pg Z	18:07:37.3	-0.5	T	1.8	156.0	345.6	ML 2.0
	e Sn E	18:07:56.1	0.4	T				

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/06	19:33:46.4			52.360N	7.710E				1G		8	5	258	2.5ML		SZGRF	I
1998/01/06	19:33:47.1	+-	1.02	52.310N	7.750E	12.2	4.4	154	1G		10	5	256	2.4ML	BUG	BGR	I

## Tecklenburg/Ibbenbueren, W of Osnabrueck

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
IBBN	e Pg N	19:33:46.7	-0.6	T	11.2	0.5	124.8	ML 2.7
	e Sg E	19:33:47.3	-0.2	T	39.5			
BUG	e Pg Z	19:34:04.8	0.4	T	6.5	102.1	199.0	ML 2.4
	e Sg E	19:34:17.0	0.7	T	8.0			
CLZ	e Pg Z	19:34:19.1	0.4	T	2.6	186.6	105.2	ML 2.3
	e Sn E	19:34:38.0	0.2	T				
	e Sg E	19:34:41.1	0.7	T	2.3			
GSH	e Pg Z	19:34:19.9	-0.9	T	3.5	199.0	209.0	ML 2.5
	e Sg E	19:34:44.0	0.0		2.6			
TNS	e Pg Z	19:34:27.8	0.5	T	3.6	237.1	167.9	ML 2.7
	e Sg N	19:34:53.9	-0.9	T	2.2			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/08	10:58:26.2		46.963N	14.432E				10G			6		2.6ML	VIE	NEIC	
1998/01/08	10:58:34.3	+ - 1.20	47.240N	14.240E	11.1	7.8	145	10G		8	5	299	2.1ML	GEC2	BGR	L
<b>1998/01/08</b>	<b>10:58:24.8</b>		<b>46.900N</b>	<b>14.350E</b>									<b>2.6ML</b>		<b>AGS</b>	

Intensity = III-IV (EMS)

N of St. Veit/A

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
GEC2	e Pn	Z	10:59:01.7	2.8		9.5	221.6	347.6	ML 2.1
	e Sg	N	10:59:26.6	-1.5					
FUR	e Sg	E	10:59:43.5	1.5			270.2	302.4	
WET	e Pn	Z	10:59:09.3	4.2		1.6	272.4	336.9	
	e Sg	N	10:59:41.3	-1.3					
GRFO	e Sg	E	11:00:15.1	-0.3			387.1	324.4	
BFO	e Sn	E	11:00:20.6	3.2			478.3	291.6	
	e Sg	E	11:00:45.9	4.4					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/09	05:01:10.6	+ - 1.20	47.210N	8.590E	12.0	8.0	11	10G		8	5	318	2.1ML		LEDBW	L
<b>1998/01/09</b>	<b>05:01:09.6</b>		<b>47.186N</b>	<b>8.611E</b>				<b>29</b>		<b>29</b>	<b>22</b>		<b>1.9ML</b>		<b>SED</b>	

Zug, Schwyz/Ch, Zuger See

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
SOL	e Pg +		05:01:22.0	-0.1			68.2	312.9	
	e Sg		05:01:30.5	-0.4					
END	e Pg +		05:01:24.8	-0.5			88.2	312.2	
	e Sg		05:01:35.5	-0.6					
FELD		Sg	05:01:35.8	-0.7			89.3	329.5	
KIZ	i Pg +		05:01:26.7	-0.6			100.2	329.0	ML 2.1
	e Sg		05:01:38.5	-0.9					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/09	11:05:25.9		48.577N	10.009E				5G			10		2.5ML	STR	NEIC	
1998/01/09	11:05:22.7	+ - 0.55	48.690N	10.180E	6.7	4.4	10	0G		10	6	169	2.1ML	GRFO	BGR	B
<b>1998/01/09</b>	<b>11:05:23.5</b>	+ - 0.70	<b>48.730N</b>	<b>10.190E</b>	<b>9.0</b>	<b>4.0</b>	<b>53</b>	<b>0G</b>		<b>14</b>	<b>7</b>	<b>196</b>	<b>2.4ML</b>		<b>LEDBW</b>	<b>B</b>

Heidenheim/Swabian Jura

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
HDH	i Pg +		11:05:26.4	0.2	T		16.3	175.6	ML 2.6
	e Sg		11:05:29.4	1.2	T				

BEU	i	Pg +	11:05:33.4	-0.1	T	59.2	254.3	ML	2.2
	e	PmP	11:05:36.0	-1.8	T				
	i	Sg	11:05:41.4	1.0	T				
HOL	e	Pb	11:05:37.3			76.4	339.0	ML	2.4
	e	Pg +	11:05:36.5	0.0	T				
	e	Sb	11:05:46.9						
	e	Sg	11:05:46.0	0.7	T				
LBG	i	Pg +	11:05:41.4	0.5	T	102.7	266.4	ML	2.4
	e	Sg	11:05:55.3	2.5	T				
GUT	e	Pg	11:05:41.7	-0.1	T	108.0	227.7	ML	2.0
	e	PmP+	11:05:42.2	-2.3	T				
UBR	e	Pg +	11:05:44.2	0.9	T	116.8	183.0	ML	2.4
	e	Sg	11:06:00.2	3.4					
GRFO	e	Pg Z	11:05:45.6	-0.1		130.4	34.6	ML	2.1
	e	Sg N	11:06:02.1	1.4					
BFO	e	Pn Z	11:05:46.6	-1.5		144.0	252.7		
KIZ	e	P?	11:05:51.5		T	188.7	243.7	ML	2.4
	e	Pg	11:05:55.2	-0.3					
	e	Sg	11:06:17.4	0.0	T				
WET	e	Pg Z	11:05:56.8	-0.9		201.7	75.8		
	e	Sg N	11:06:20.5	-0.6					
TNS	e	Sg N	11:06:23.9	0.9		208.3	323.5		
MOX	e	Pn Z	11:05:58.4	-1.0		236.3	25.2		
	e	Sg E	11:06:30.6	-0.4					
GEC2	e	Pn Z	11:06:02.3	0.3		257.5	85.8		
	e	Sg N	11:06:37.7	0.6					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/09	23:26:35.1		49.417N	6.943E				5G			29		2.9ML	UCC	NEIC	
	ML= 3.2(GRF), ML= 2.8(FBB,DBN)															
1998/01/09	23:26:20.2		50.524N	6.224E	149.4	149.4	0	10	+- 164	14	13	326	3.4ML		SED	
1998/01/09	23:26:34.4	+- 0.59	49.360N	6.830E	6.7	3.3	67	1G		11	7	212	3.1ML		SZGRF	I
1998/01/09	23:26:34.9	+- 0.51	49.400N	6.890E	7.8	4.4	60	1G		20	10	208	3.1ML	TNS	BGR	I
<b>1998/01/09</b>	<b>23:26:35.1</b>	<b>+- 0.30</b>	<b>49.380N</b>	<b>6.900E</b>	<b>3.0</b>	<b>1.0</b>	<b>91</b>	<b>1G</b>		<b>29</b>	<b>20</b>	<b>197</b>	<b>2.8ML</b>		<b>LEDBW</b>	<b>I</b>

## Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg +	23:26:42.0	0.5	T		37.6	17.8	
	e Sg	23:26:46.9	1.0	T				
ABH	e Pg -	23:26:47.6	0.2	T		72.7	39.6	
	i Sg	23:26:56.5	0.6	T				
KTD	e Pg	23:26:50.1	0.4	T		86.0	94.0	
	Sg	23:27:01.2	1.6	T				
TOD	e Pg +	23:26:58.9	0.1	T		139.8	78.9	
	e Sg	23:27:16.1	1.0	T				

TNS	e	Pg	Z	23:26:58.7	-1.0		145.3	49.3	ML	3.1
	e	Sg	E	23:27:18.2	1.6					
LIBD	e	Pg	+	23:27:00.3	0.5	T	146.1	159.1		
GSH	e	Pn	Z	23:27:00.2	-0.8		17.5	155.4	346.3	ML 2.8
	e	Sg	E	23:27:20.1	0.6					
BFO	e	Pn	Z	23:27:00.1	-1.1		34.2	156.7	137.6	ML 2.5
	e	Sg	E	23:27:20.2	0.3					
LBG	e	Pg	+	23:27:02.1	-0.0	T		159.4	119.2	ML 2.8
	e	Sg		23:27:21.1	0.4	T				
KIZ	e	Pg	+	23:27:04.3	-0.5	T		175.1	154.3	ML 2.7
	e	Sg		23:27:24.5	-0.6	T				
FELD		Pg		23:27:05.9	-0.7	T		185.8	153.7	
SPAK	e	Pg	-	23:27:08.2	-0.5	T		198.2	135.1	
BEU	e	Pg	+	23:27:09.4	-0.3	T		203.8	114.8	ML 2.8
HOL	e	Pg		23:27:12.0	1.1	T		210.7	89.2	ML 2.9
BBS		Pg		23:27:10.3	-1.7	T		217.7	167.9	
GUT	e	Pg	+	23:27:11.9	-0.2	T		218.2	131.0	ML 2.5
	e	Sg		23:27:37.1	-0.3	T				
BUG	e	Pg	Z	23:27:13.4	-0.8			230.6	6.4	ML 3.1
	e	Sg	E	23:27:38.7	-2.3					
HDH	e	Pg		23:27:17.5	-1.2			257.0	108.9	ML 2.8
	e	Sg		23:27:48.8	0.2	T				
UBR	e	Pn		23:27:19.3	0.3	T		302.4	127.4	ML 2.8
	e	Sg		23:28:02.7	1.2	T				
GRFO	e	Pg	Z	23:27:25.8	-2.5			313.6	82.0	ML 3.2
	e	Sg	E	23:28:04.5	-0.2					
GRA1	e	Pn	Z	23:27:22.4	2.1			313.8	82.0	
	e	Sg	E	23:28:05.5	0.8					
IBBN	e	Sg	N	23:28:09.7	0.0			331.0	10.1	
MOX	e	Pg	Z	23:27:35.8	-1.2			365.0	65.6	
	e	Sn	E	23:28:05.0	1.4					
	e	Sg	E	23:28:17.8	-1.6					
CLZ	e	Pg	Z	23:27:37.5	0.1			367.3	40.5	
	e	Sg	E	23:28:18.9	-1.2					
WET	e	Pn	Z	23:27:36.4	1.4		6.9	434.5	91.2	
CLL	e	(Pg)		23:28:01.0	4.0			483.0	61.3	
	e	Sg		23:28:54.0	0.9					
GEC2	e	Pn	Z	23:27:44.2	1.4		32.0	498.4	94.3	
	e	Sn	N	23:28:33.4	1.6					
	e	Sg	N	23:28:58.7	1.2					
BRG	e	Pg		23:28:03.0	-1.7			528.5	69.0	
	e	Sg		23:29:06.7	0.6					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/11	08:44:12.1	+- 0.63	47.656N	9.078E	9.4	7.2	106	2	+- 0.0	17		276	2.6ML		LDG	L
1998/01/11	08:44:10.6		47.658N	9.188E				5G			27		2.7ML	VIE	NEIC	
	ML= 2.4(FUR), ML= 2.3(STR)															
1998/01/11	08:44:10.8		47.651N	9.218E				10		16	13		2.4ML		SED	
1998/01/11	08:44:10.6		47.640N	9.240E				5G		9	6	250	1.9ML	BFO	BGR	L
<b>1998/01/11</b>	<b>08:44:10.9</b>		<b>47.640N</b>	<b>9.230E</b>				<b>12</b>		<b>38</b>	<b>14</b>	<b>175</b>	<b>2.4ML</b>		<b>LEDBW</b>	<b>L</b>

## Konstanz/Lake of Constance

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
GUT	i Pg -	08:44:19.3	-0.1	T		48.6	349.9	ML 2.0
	i Sg	08:44:25.6	0.4	T				
SPAK	Sg	08:44:28.9	0.2			61.1	327.4	
UBR	i Pg +	08:44:22.9	0.6	T		65.9	85.7	ML 2.3
	i PmP-	08:44:25.0	0.3	T				
HEX	e Sg	08:44:31.7	1.6	T				
	e SmS	08:44:35.2	1.0	T				
	i Pn +	08:44:26.1	-1.6	T		91.1	298.1	
FELD	e Pg	08:44:26.9	0.5	T				
	e Sg	08:44:38.3	1.2	T				
	e Pn +	08:44:26.9	-1.3	T		95.3	286.5	
SOL	e Sn	08:44:38.3	-2.0	T				
	e Pn -	08:44:26.9	-1.4	T		96.4	267.9	
	e Pg	08:44:27.4	0.0	T				
BFO	e Sg	08:44:39.2	0.6	T				
	e SmS	08:44:39.9	-1.8	T				
	e Pg Z	08:44:28.0	-0.3			101.9	319.2	ML 1.9
KIZ	e Sg	08:44:40.4	0.2					
	e Pn +	08:44:28.2	-1.1	T		104.1	290.2	ML 2.4
	i Pg -	08:44:28.8	0.1	T				
BEU	e Sn	08:44:40.5	-1.6	T				
	i Sg	08:44:41.5	0.6	T				
	e Pn -	08:44:29.0	-0.5	T		105.8	7.4	ML 2.4
END	e Sn	08:44:42.0	-0.5	T				
	e Pn +	08:44:29.4	-0.8	T		112.0	274.8	
	e Pg +	08:44:29.9	-0.1	T				
BAW	e Sn	08:44:42.2	-1.6	T				
	e Sg	08:44:43.3	0.2	T				
	e SmS	08:44:44.0	-1.7	T				
HDH	e Pn	08:44:30.1	-0.8	T		117.5	279.2	
	e Pg -	08:44:30.8	-0.1	T				
	e Sn	08:44:43.4	-1.6	T				
HDH	e Sg	08:44:45.2	0.5	T				
	i Pn +	08:44:31.2	-0.9	T		127.6	34.3	ML 2.5
	i Pg -	08:44:32.9	0.2	T				
HDH	e Sn	08:44:46.9	-0.2					
	e Sg	08:44:49.0	1.5					

BBS	e	Pn	-	08:44:31.9	-0.6	T	130.6	262.0									
	e	Pg	+	08:44:33.0	-0.1	T											
	e	Sg		08:44:48.6	0.2	T											
FUR	e	Pg	Z	08:44:39.0	0.4		163.2	68.4									
HOL	e	Pn		08:44:39.4	-1.2		197.2	12.3				ML	2.6				
	e	Sg		08:45:07.3	-0.0												
GRFO	e	Sg	E	08:45:27.5	-0.8		270.8	31.9									
TNS	e	Sg	N	08:45:34.7	0.0		292.8	349.0									
WET	e	Pn	Z	08:44:55.2	-0.0		5.2	317.0	56.8								
	e	Sg	E	08:45:40.6	-1.0												
GEC2	e	Pn	Z	08:45:01.0	0.8		3.3	357.1	66.3								
	e	Sg	N	08:45:53.0	-0.0												

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/12	03:16:20.5		48.837N	7.346E				5G			18		2.0ML	FBB	NEIC	
	ML= 1.8(STR)															
1998/01/12	03:16:23.5		48.870N	7.600E				10G		6	3	243	1.7ML		SZGRF	L
1998/01/12	03:16:22.3		48.870N	7.560E				5G		6	4	201	1.6ML	BFO	BGR	L
1998/01/12	03:16:21.8		48.820N	7.450E				8		21	12	146	2.1ML		LEDBW	L
<b>1998/01/12</b>	<b>03:16:18.8</b>	<b>+- 0.74</b>	<b>48.899N</b>	<b>7.494E</b>	<b>12.2</b>	<b>10.7</b>	<b>116</b>	<b>2</b>	<b>+- 0.0</b>	<b>11</b>		<b>321</b>	<b>2.5ML</b>		<b>LDG</b>	<b>L</b>

W of Haguenau/F

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg -	03:16:36.9	3.1			88.2	135.5	ML 1.6
	e Sg	03:16:46.2	2.2					
RUP	i Pg -	03:16:39.2	4.3			94.7	340.7	
	e Sg	03:16:51.0	5.2					
LBG	e Pn -	03:16:39.1	1.4			98.8	104.8	ML 1.8
	e Sn	03:16:50.6	-0.2					
ABH	i Pn +	03:16:41.2	2.2			109.3	2.0	
KIZ	e Pn +	03:16:38.6	-0.4			109.4	163.2	ML 2.0
	i PmP+	03:16:39.5	-0.3					
	e Sn	03:16:50.7	-2.4					
FELD	e Pg	03:16:41.1	2.0			119.8	161.5	
	e Sg	03:16:55.2	2.1					
TOD	e Pg	03:16:43.8	4.1			123.3	49.9	
	e Sg	03:16:59.0	4.9					
MSG	e Pg +	03:16:43.2	3.0			126.1	115.6	
	e Sg	03:16:58.2	3.4					
BEU	e Pg -	03:16:46.8	3.3			145.2	103.2	ML 2.1
	e Sg	03:17:03.6	3.3					
GUT	e Pg	03:16:45.8	1.4			150.9	127.0	ML 2.2
	e Sg	03:17:04.2	2.3					
TNS	e Pg Z	03:16:49.6	3.3		0.7	162.4	24.7	
	e Sg E	03:17:09.0	3.8					

HOL	e	Pg		03:16:52.2	3.5				176.6	71.8	ML	2.1				
	e	Sg		03:17:12.9	3.7											
GSH	e	Sg	N	03:17:26.8	5.3				219.5	339.0						
GRFO	e	Sg	N	03:17:43.0	3.1				284.2	70.5						
GRA1	e	Pg	Z	03:17:09.8	2.8				284.3	70.5						
	e	Sg	N	03:17:42.9	2.9											

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/12	16:53:51.2		50.672N	12.424E				5G			6		2.4ML	GRF	NEIC	
<b>1998/01/12</b>	<b>16:53:52.2</b>	<b>+- 0.36</b>	<b>50.670N</b>	<b>12.400E</b>	<b>7.8</b>	<b>3.3</b>	<b>148</b>	<b>10</b>	<b>+- 0.0</b>	<b>8</b>	<b>4</b>	<b>140</b>	<b>2.1ML</b>		<b>SZGRF</b>	<b>L</b>

Zwickau

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
HOF	i Pg +	16:54:01.5	-0.1			54.2	223.2	
	i Sg	16:54:08.2	0.2					
MOX	i Pg + Z	16:54:01.9	0.1	T		55.4	267.4	
	e Sg E	16:54:08.0	-0.3	T				
CLL	e Pg Z	16:54:05.6	-0.7	T		82.5	30.5	ML 1.0
	e Sg E	16:54:15.5	-0.5	T				
ROTZ	e Pg	16:54:09.3	-0.2			101.2	187.8	ML 2.1
	e Sg	16:54:21.7	0.4					
BRG	e Pg Z	16:54:10.7	-0.4	T		110.8	77.6	ML 1.8
	e Sg N	16:54:23.7	-0.3	T				
GRA1	e Pg Z	16:54:14.4	-1.2	T		137.3	218.1	
	e Sg E	16:54:31.1	-0.5	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/12	18:30:07.6		50.691N	12.372E				5G			7		2.3ML	GRF	NEIC	
1998/01/12	18:30:08.2	+- 0.33	50.670N	12.400E	4.4	3.3	121	10G		10	7	77	2.1ML	BRG	BGR	L
<b>1998/01/12</b>	<b>18:30:08.5</b>	<b>+- 0.32</b>	<b>50.660N</b>	<b>12.410E</b>	<b>4.4</b>	<b>3.3</b>	<b>142</b>	<b>10</b>	<b>+- 0.0</b>	<b>10</b>	<b>6</b>	<b>91</b>	<b>2.1ML</b>		<b>SZGRF</b>	<b>L</b>

Zwickau

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
HOF	i Pg +	18:30:17.6	-0.2			53.9	224.6	
	i Sg	18:30:24.2	0.0					
MOX	i Pg + Z	18:30:18.1	-0.0	T		56.0	268.6	
	e Sg E	18:30:24.4	-0.3	T				
CLL	i Pg Z	18:30:21.8	-0.8	T		83.1	29.7	ML 1.1
	e Sg E	18:30:31.7	-0.7	T				
ROTZ	i Pg +	18:30:25.4	-0.2			100.2	188.3	
	e Sg	18:30:37.9	0.6					
BRG	i Pg Z	18:30:26.9	-0.4	T		110.4	77.0	ML 2.1
	e Sg N	18:30:40.1	-0.0	T				

GRA1	i	Pg	Z	18:30:30.5	-1.3	T		136.9	218.6								
	e	Sg	N	18:30:47.4	-0.3	T											
GRFO	e	Pg	Z	18:30:30.6	-1.2			137.1	218.6								
	e	Sg	N	18:30:47.6	-0.2												
WET	e	Sg	N	18:30:57.7	0.0	T		171.9	168.6								
CLZ	i	Pg	Z	18:30:39.9	-1.5	T		193.3	313.6								
GEC2	e	Sg	E	18:31:12.1	0.1			222.1	154.8								

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/13	13:37:53.9	+ - 1.47	51.417N	14.340E	26.9	11.2	95	0G		7	4	183	3.3ML		PIDC	
1998/01/13	13:37:52.5	+ - 1.63	51.480N	14.660E	26.7	12.2	11	0G		6	5	292	2.3ML	CLL	BGR	B

S of Cottbus, Oberlausitz

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg Z	13:38:06.2	-0.5	T		84.0	216.8	
CLL	e Pg Z	13:38:12.6	0.4	T		116.6	261.2	ML 2.3
MOX	e Pg Z	13:38:31.2	-0.6	T		232.1	247.6	
	e Sg N	13:38:59.4	0.6	T				
GEC2	e Pn Z	13:38:36.6	0.4	T		300.8	193.5	
GRFO	e Pg Z	13:38:46.0	0.4	T		313.9	232.0	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/13	15:15:54.4	+ - 0.53	48.560N	5.754E	11.1	3.8	167	2	+ - 0.0	11		234	2.5ML		LDG	L

Autreville, NE of Neufchateau/F

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/14	16:24:56.8		49.350N	6.950E				10			8		2.1ML		STR	
1998/01/14	16:24:57.1	+ - 0.85	49.350N	6.870E	12.2	5.6	70	10G		5	3	211	1.9ML	BFO	BGR	I?

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg Z	16:25:21.8	-0.6	T		149.1	48.8	
	e Sg E	16:25:40.2	0.4	T				
BFO	e Pg Z	16:25:23.6	0.0	T		155.8	136.2	ML 1.9
	e Sg N	16:25:42.0	0.3	T				
GSH	e (Sg) N	16:25:42.5	0.1	T		158.2	347.3	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/15	06:04:25.1		49.395N	6.955E				5G			8		2.0ML	UCC	NEIC	
ML= 1.9(DBN)																
1998/01/15	06:04:25.1	+ - 0.83	49.390N	6.910E	20.0	4.4	62	1G		5	3	207	2.1ML	TNS	BGR	I
<b>1998/01/15</b>	<b>06:04:24.9</b>	<b>+ - 0.60</b>	<b>49.370N</b>	<b>6.900E</b>	<b>10.0</b>	<b>3.0</b>	<b>94</b>	<b>1G</b>		<b>20</b>	<b>11</b>	<b>203</b>	<b>2.2ML</b>		<b>LEDBW</b>	<b>I</b>
Begin of a two week swarm near Heusweiler																

## Saarbruecken-West

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	i Pg +		06:04:31.7	0.2	T		38.6	17.3	
	e Sg		06:04:37.8	1.8	T				
ABH	i Pg +		06:04:37.1	-0.3	T		73.6	39.1	
	e Sg		06:04:46.3	0.4	T				
TOD	i Pn -		06:04:48.2	-0.7	T		140.0	78.5	
	e Sg		06:05:05.9	1.0	T				
TNS	e Pg Z		06:04:49.6	-0.1			146.0	48.9	ML 2.1
BFO	e Pg Z		06:04:51.2	-0.1			155.9	137.3	
	e Sg N		06:05:10.0	0.6					
GSH	e Pg Z		06:04:51.2	-0.2			156.5	346.4	
	e Sg E		06:05:09.7	0.0					
LBG	e Sg		06:05:11.9	1.6	T		158.9	118.9	ML 2.1
KIZ	e Pg +		06:04:53.9	-0.5	T		174.1	154.2	ML 2.3
	e Sg		06:05:14.1	-0.6	T				
FELD	i Pg -		06:04:55.5	-0.7	T		184.8	153.5	
	e Sg		06:05:17.4	-0.3	T				
HOL	e Pg		06:05:01.5	0.9			210.8	88.9	ML 2.0
GUT	e Pg		06:05:01.5	-0.2	T		217.4	130.8	ML 2.2
	e Sg		06:05:26.9	-0.1	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/15	12:35:49.8	+ - 0.54	50.670N	12.380E	12.2	4.4	163	10G		8	5	124	2.0ML		SZGRF	L

## Zwickau

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
HOF	i Pg +		12:35:59.0	0.1			53.2	222.1	
	i Sg		12:36:05.6	0.4					
MOX	e Pg Z		12:35:58.6	-0.4	T		54.0	267.3	
	e Sg E		12:36:05.0	-0.5	T				
CLL	e Pg Z		12:36:03.5	-0.4	T		83.2	31.3	ML 1.2
	e Sg E		12:36:13.2	-0.5	T				
ROTZ	i Pg +		12:36:06.9	-0.1			101.1	187.0	
	i Sg		12:36:19.3	0.5					
BRG	e Pg Z		12:36:08.1	-0.7	T		112.2	77.8	ML 1.7
	e Sg E		12:36:21.5	-0.4	T				

GRA1	e	Sg	E	12:36:28.8	-0.1	T		136.5	217.6	ML	2.3
WET	e	Sg	E	12:36:39.2	-0.2	T		173.4	167.9		

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/16	03:00:18.4	+- 1.29	52.400N	7.860E	15.6	6.7	164	1G		6	5	254	2.0ML	BUG	BGR	I

Bersenbrueck, N of Osnabrueck

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
IBBN	e Pg Z	03:00:21.0	0.5	T	5.5	12.5	214.3	
	e Sg N	03:00:21.5	-0.5	T	23.5			
BUG	e Sg N	03:00:51.9	0.9	T	2.6	114.1	201.0	ML 2.0
CLZ	e Sg N	03:01:10.7	0.2	T	2.3	182.4	108.9	ML 2.0
GSH	e Pg E	03:00:53.8	-0.5	T	1.5	211.4	209.6	
TNS	e Sg E	03:01:28.2	-0.4	T	2.4	245.5	170.2	ML 2.6

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/16	13:44:59.9	+- 0.36	51.620N	7.800E	6.7	3.3	141	1G		8	4	144	2.0ML		SZGRF	I
1998/01/16	13:44:58.1		51.657N	7.732E				1G					1.9ML		RUB	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg - Z	13:45:06.1	1.2	TA		40.0	233.2	ML 2.1
	e Sg E	13:45:12.0	2.4					
IBBN	e Pg Z	13:45:12.9	2.6			72.3	1.3	ML 2.0
	e Sg N	13:45:21.8	3.0					
GSH	e Pg Z	13:45:22.2	0.5			139.2	223.2	ML 2.0
	e Sg E	13:45:40.1	2.3					
CLZ	e Pg Z	13:45:28.5	-0.6			182.9	82.5	ML 2.0
	e Sg E	13:45:51.6	1.2					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/17	12:04:09.3	+- 1.29	51.377N	14.371E	16.4	11.0	94	0G		7	4	182	3.4ML		PIDC	
1998/01/17	12:04:08.9	+- 0.75	51.370N	14.550E	8.9	5.6	53	0G		17	10	270	2.5ML	MOX	BGR	B

N of Bautzen, Oberlausitz

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg Z	12:04:21.0	0.3	T	19.2	69.6	217.7	
	e Sg E	12:04:27.7	-1.1	T	35.6			
CLL	e Pg Z	12:04:27.6	0.5	T	19.5	107.7	266.9	ML 2.1
	e Sg N	12:04:40.4	0.7	T	30.0			

MOX	e	Pg	Z	12:04:45.5	-0.8	T	5.5	220.6	249.7	ML	2.5
	e	Sg	E	12:05:11.6	-0.3	T	15.5				
WET	e	Pn	Z	12:04:49.7	0.2	T	2.3	274.5	206.3	ML	2.6
	e	Sg	N	12:05:28.2	0.8	T	10.4				
GEC2	e	Pn	Z	12:04:51.4	0.4	T	2.8	287.2	192.5	ML	2.6
	e	Pg	Z	12:04:56.7	-0.9	T	13.1				
	e	Sg	E	12:05:30.2	-0.8	T	15.0				
CLZ	e	Pg	Z	12:04:58.8	0.2	T	3.2	293.2	281.9		
GRFO	e	Pg	Z	12:05:00.7	0.8	T	3.1	300.4	232.9	ML	2.8
	e	Sg	N	12:05:37.3	2.5	T	4.7				
TNS	e	Sg	E	12:06:15.1	-1.6	T	2.5	447.3	255.8	ML	3.3
BUG	e	Pg	Z	12:05:34.4	-0.1	T	1.8	504.9	273.7		
BFO	e	Pg	Z	12:05:43.8	0.1	T	2.3	559.3	235.3		

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/17	22:29:47.7	+-	0.65	49.340N	6.880E	11.1	4.4	67	1G		8	5	211	2.1ML	TNS	BGR	I
1998/01/17	22:29:47.5	+-	0.50	49.370N	6.950E	8.0	2.0	96	1G		15	10	197	2.3ML		LEDBW	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg	22:29:54.4	0.5	T		37.7	12.0	
ABH	e Pg +	22:29:59.7	0.1	T		71.3	36.9	
	e Sg	22:30:09.3	1.4	T				
TOD	e Pg	22:30:11.0	0.3	T		136.4	78.2	
	e Sg	22:30:28.7	2.2					
TNS	e Pg Z	22:30:12.6	0.9		2.1	143.3	48.0	ML 2.1
	e Sg E	22:30:30.1	1.6		4.2			
BFO	e Pg Z	22:30:13.7	0.2		3.6	153.5	138.4	ML 2.2
	e Sg E	22:30:31.9	0.6		7.6			
GSH	e Pg Z	22:30:13.6	-0.6		1.7	157.4	345.2	ML 2.1
	e Sg N	22:30:32.6	0.2		2.4			
KIZ	e Pg	22:30:16.4	-0.3	T		172.5	155.3	ML 2.4
	e Sg	22:30:36.9	0.1	T				
FELD	Pg	22:30:18.1	-0.5	T		183.3	154.6	
	Sg	22:30:39.8	-0.0	T				
GUT	e Pg -	22:30:24.2	0.3	T		214.7	131.5	ML 2.3
	e Sg	22:30:49.3	0.5	T				
IBBN	e Sn N	22:31:11.2	2.3		1.5	331.5	9.5	
GEC2	e Pn Z	22:30:56.4	1.7		3.8	494.7	94.2	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/19	17:50:40.8	+-	0.69	49.350N	6.820E	10.0	4.4	66	1G		7	4	213	2.2ML	TNS	BGR	I
1998/01/19	17:50:41.2	+-	0.40	49.380N	6.900E	6.0	3.0	95	1G		15	9	206	2.4ML		LEDBW	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg +	17:50:48.0	0.4	T		37.6	17.8	
ABH	i Pg +	17:50:53.6	0.1	T		72.7	39.6	
	Sg	17:51:02.7	0.7	T				
TOD	Pg	17:51:04.7	-0.2	T		139.8	78.9	
	Sg	17:51:22.1	0.9	T				
TNS	e Pg Z	17:51:06.2	0.4		2.3	145.3	49.3	ML 2.2
	e Sg E	17:51:24.2	1.5		6.1			
GSH	e Pg Z	17:51:07.3	-0.2		1.5	155.4	346.3	ML 2.1
	e Sg N	17:51:25.7	0.1		2.4			
BFO	e Pg Z	17:51:07.4	-0.3		2.4	156.7	137.6	ML 2.1
	e Sg E	17:51:25.7	-0.3		6.5			
KIZ	e Pg	17:51:10.3	-0.6	T		175.1	154.3	ML 2.4
	e Sg	17:51:30.5	-0.7	T				
FELD	Pg	17:51:12.5	-0.2	T		185.8	153.7	
	Sg	17:51:33.6	-0.7					
GUT	e Pg	17:51:17.4	-0.7	T		218.2	131.0	ML 2.3
	e Sg	17:51:43.3	-0.2	T				
GEC2	e Pn Z	17:51:50.1	1.2		3.3	498.4	94.3	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/19	19:12:20.7	+/- 0.68	49.350N	6.840E	11.1	4.4	66	1G		7	4	212	2.1ML	TNS	BGR	I
1998/01/19	19:12:21.5	+/- 0.40	49.380N	6.980E	7.0	2.0	87	1G		13	10	194	2.4ML		LEDBW	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg +	19:12:28.0	0.3	T		36.2	9.1	
ABH	e Pg -	19:12:33.3	0.1	T		69.1	36.0	
	Sg	19:12:41.8	0.6					
TOD	Pg	19:12:44.7	0.4	T		134.1	78.5	
	Sg	19:13:02.2	2.4					
TNS	e Pg Z	19:12:45.6	0.2		3.1	140.9	47.8	ML 2.1
	e Sg E	19:13:04.0	2.3		6.3			
BFO	e Pg Z	19:12:47.4	0.0		5.2	152.9	139.3	ML 2.1
	e Sg E	19:13:05.3	0.1		8.3			
GSH	e Pg Z	19:12:47.2	-0.9		1.6	156.9	344.3	ML 2.2
	e Sg E	19:13:05.9	-0.5		2.5			
KIZ	e Pg	19:12:50.4	-0.3	T		172.7	156.1	ML 2.3
	e Sg	19:13:10.6	-0.2	T				
FELD	Pg	19:12:52.4	-0.2	T		183.3	155.4	
	Sg	19:13:13.3	-0.6	T				
GUT	e Pg	19:12:58.0	0.2	T		213.8	132.1	ML 2.4
	e Sg	19:13:22.9	0.3	T				
GEC2	e Pn Z	19:13:29.9	1.4		5.0	492.6	94.4	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/20	01:20:42.9	+- 0.80	49.340N	6.880E	12.2	5.6	76	1G		6	4	211	2.0ML	BFO	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg N	01:21:07.7	-0.5	T	1.2	149.3	48.3	ML 2.1
	e Sg E	01:21:26.0	0.5	T	1.7			
BFO	e Pg Z	01:21:09.1	0.0	T	1.1	154.5	136.1	ML 2.0
	e Sg E	01:21:26.9	-0.2	T	1.8			
GSH	e Pg N	01:21:10.0	0.1	T	1.4	159.4	347.2	
GEC2	e Pn Z	01:21:51.5	0.7	T	1.1	499.6	93.7	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/20	09:33:53.6	+- 0.55	48.402N	5.128E	13.0	3.3	158	2	+- 0.0	12		231	2.4ML		LDG	L

Chevillon/Haute-Marne/F

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/20	14:56:34.2	+- 0.35	50.450N	12.180E	4.4	3.3	130	10G		8	5	92	2.0ML	CLL	BGR	L
1998/01/20	14:56:34.8	+- 0.33	50.460N	12.150E	4.4	3.3	127	10G		9	5	93	1.6ML		SZGRF	L

Plauen/S Saxony

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
HOF	i Pg +	14:56:39.7	0.2			25.3	230.0	
	i Sg	14:56:43.1	0.5					
MOX	e Pg Z	14:56:42.5	0.1	T		43.0	298.8	ML 1.0
	e Sg N	14:56:46.5	-1.0	T				
GRFO	e Pg Z	14:56:52.9	-0.4	T		108.2	218.2	ML 1.7
	e Sg N	14:57:05.9	0.0	T				
CLL	e Pg Z	14:56:53.4	-0.5	T		111.6	32.1	ML 2.0
	e Sg N	14:57:06.5	-0.3	T				
BRG	e Sg N	14:57:13.5	0.2	T		134.4	69.3	ML 1.7
WET	e Pn Z	14:57:01.4	1.7	T		155.4	160.1	
	e Sg N	14:57:18.3	-1.0	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/21	05:49:17.2	+- 0.41	51.510N	10.420E	5.6	4.4	76	1G		8	5	130	2.5ML		SZGRF	I
1998/01/21	05:49:16.1	+- 0.28	51.480N	10.400E	3.3	3.3	6	1G		19	11	97	2.5ML	MOX	BGR	I

Bleicherode, S Harz Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
CLZ	e Pg	Z	05:49:23.1	0.2	T	53.4	40.3	357.3	
	e Sg	E	05:49:27.9	0.4	T	143.6			
MOX	e Pg	Z	05:49:38.4	1.0	T	11.2	125.9	137.1	ML 2.5
	e Sg	Z	05:49:53.2	1.2	T	52.2			
HOF	e Pn		05:49:43.5	0.2			166.0	140.8	
CLL	e Pg	Z	05:49:46.1	-0.7	T	8.6	181.6	95.0	ML 2.4
	e Sg	E	05:50:07.1	-0.8	T	26.3			
TNS	e Pn	Z	05:49:46.8	-0.0	T	2.5	195.8	225.2	ML 2.5
	e Pg	Z	05:49:49.7	0.5	T	8.1			
	i Sn +		05:50:09.0	0.2					
	e Sg	N	05:50:11.1	-0.9	T	17.8			
GRA1	e Sg	N	05:50:16.6	1.3			207.1	163.4	ML 2.8
GRFO	e Pg	Z	05:49:51.8	0.6	T	5.2	207.2	163.5	
BUG	e Sg	E	05:50:17.2	-0.8	T	4.3	216.9	270.1	ML 2.7
BRG	e Pg	Z	05:50:00.6	1.1	T	2.6	256.0	103.9	ML 2.4
	e Sg	N	05:50:28.6	-0.6	T	6.8			
GSH	e Sg	E	05:50:40.3	0.6	T	2.7	292.7	255.2	ML 2.8
WET	e Pg	N	05:50:09.0	-0.2	T	2.7	313.7	144.9	ML 2.7
	e Sg	E	05:50:45.6	-0.1	T	10.0			
GEC2	e Sg	N	05:51:02.6	-0.8	T	6.2	375.6	140.0	ML 2.9
BFO	e Pg	Z	05:50:22.2	1.7	T	2.5	380.3	203.7	ML 3.2
	e Sg	E	05:51:05.0	0.3	T	6.3			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/21	19:26:39.8	+ - 1.24	51.620N	7.730E	26.7	4.4	116	1G		6	3	223	2.0ML		SZGRF	I
1998/01/21	19:26:36.9		51.657N	7.732E				1G					2.0ML		RUB	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	- Z	19:26:44.9	1.2	TA		40.0	233.2	
	e Sg	E	19:26:50.7	2.4					
IBBN	e Pg	Z	19:26:52.2	3.0			72.3	1.3	
	e Sg	E	19:27:01.9	4.3					
GSH	e Pg	Z	19:27:01.8	1.3			139.2	223.2	
	e Sg	E	19:27:19.2	2.5					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/22	13:45:26.9	+ - 0.51	52.300N	7.810E	5.6	3.3	9	1G		10	5	182	2.3ML	BUG	BGR	I

Tecklenburg/Ibbenbueren, W of Osnabrueck

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
IBBN	e Pg	Z	13:45:27.5	-0.1	T	74.6	3.7	282.5	
	e Sg	E	13:45:28.1	0.1	T	917.5			
BUG	e Pg	Z	13:45:44.2	-0.1	T	2.0	102.5	201.4	ML 2.3
	e Sg	N	13:45:57.1	0.9	T	4.8			
CLZ	e Pg	Z	13:45:58.7	0.9	T	1.5	182.4	105.2	ML 2.2
	e Sg	N	13:46:18.8	-0.2	T	3.1			
GSH	e Pg	Z	13:46:00.3	-0.5	T	1.5	200.1	210.3	ML 2.3
	e Sg	E	13:46:23.8	-0.3	T	2.8			
TNS	e Pg	Z	13:46:06.6	-0.2	T	1.9	235.2	168.9	ML 2.5
	e Sg	E	13:46:34.2	0.1	T	4.2			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/23	11:41:13.3		49.446N	6.924E				10G			7		2.3ML	FBB	NEIC	
1998/01/23	11:41:11.4	+ - 0.70	49.360N	6.780E	11.1	4.4	66	1G		7	4	214	2.1ML	TNS	BGR	I
<b>1998/01/23</b>	<b>11:41:12.1</b>	<b>+ - 4.40</b>	<b>49.480N</b>	<b>6.690E</b>	<b>65.0</b>	<b>17.0</b>	<b>108</b>	<b>1G</b>		<b>12</b>	<b>7</b>	<b>241</b>	<b>2.3ML</b>		<b>LEDBW</b>	<b>I</b>

Lebach, N of Saarbruecken

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg	+	11:41:19.4	1.2	T		36.3	47.1	
	e Sg		11:41:24.2	1.7					
ABH	e Pg	+	11:41:24.8	-0.2	T		76.2	53.8	
	e Sg		11:41:34.4	0.5	T				
GSH	e Pg	Z	11:41:37.6	1.5		1.7	141.5	351.0	ML 1.9
	e Sg	E	11:41:55.5	3.0		2.5			
TNS	e Pg	Z	11:41:37.3	-0.3		2.1	150.6	56.1	ML 2.1
	e Sg	E	11:41:55.1	-0.0		6.7			
TOD	e Pn	+	11:41:36.0	-1.7	T		153.1	84.0	
	e Sn		11:41:54.1	-1.7	T				
BFO	e Pg	Z	11:41:38.9	-2.9		2.8	175.2	136.2	ML 1.7
	e Sg	E	11:41:56.6	-5.6		5.1			
KIZ	e Pn		11:41:41.9	-0.5	T		191.9	151.5	ML 2.3
	e Sn		11:42:02.1	-1.9	T				
FELD	e Pn	+	11:41:44.2	0.4	T		202.7	151.1	
	e Sn		11:42:05.5	-0.8	T				
GEC2	e Pn	Z	11:42:21.6	-0.1		3.8	514.5	95.2	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/23	12:25:40.8	+ - 1.69	51.497N	13.740E	42.3	12.3	99	0G		8	5	162	3.3ML		PIDC	
<b>1998/01/23</b>	<b>12:25:42.3</b>	<b>+ - 0.78</b>	<b>51.340N</b>	<b>14.560E</b>	<b>7.8</b>	<b>4.4</b>	<b>55</b>	<b>0G</b>		<b>17</b>	<b>9</b>	<b>270</b>	<b>2.5ML</b>	<b>MOX</b>	<b>BGR</b>	<b>B</b>

N of Bautzen, Oberlausitz

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	12:25:53.8	0.1	T	16.3	67.5	219.9	
	e Sg	E	12:26:01.1	-0.5	T	42.6			
CLL	e Pg	Z	12:26:00.1	-0.6	T	4.0	108.3	268.7	ML 2.3
	e Sg	E	12:26:12.7	-0.5	T	6.1			
MOX	e Pg	Z	12:26:19.5	-0.1	T	5.2	220.1	250.6	ML 2.5
	e Sg	N	12:26:44.6	-0.6	T	15.2			
WET	e Pn	Z	12:26:22.8	0.3	T	3.4	271.9	206.7	ML 2.5
	e Sg	E	12:26:59.6	-0.3	T	6.1			
GEC2	e Pn	Z	12:26:24.3	0.3	T	3.0	284.1	192.8	ML 2.7
	e Pg	Z	12:26:29.6	-0.9	T	5.3			
CLZ	e Sg	E	12:27:02.9	-0.5	T	16.2			
	e Pg	Z	12:26:32.9	0.6	T	5.0	294.6	282.5	ML 2.7
GRFO	e Sg	E	12:27:06.2	-0.2	T	2.9			
	e Pg	Z	12:26:33.7	0.7	T	2.6	298.9	233.5	ML 2.6
TNS	e Sg	N	12:27:10.2	2.6	T	6.1			
	e Pg	Z	12:26:58.5	0.4	T	1.6	447.2	256.3	
BFO	e Pg	Z	12:27:17.8	0.9	T	1.5	557.9	235.6	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/23	20:13:41.9	+/- 0.35	49.932N	5.365E	6.9	3.7	49	2	+/- 0.0	20		205	2.3ML		LDG	L
<b>1998/01/23</b>	<b>20:13:45.7</b>		<b>50.010N</b>	<b>5.700E</b>				<b>10G</b>		<b>5</b>	<b>4</b>	<b>257</b>	<b>1.7ML</b>	<b>GSH</b>	<b>BGR</b>	<b>L</b>

N of Bastogne/B, Belgian-Luxembourg border region

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
GSH	e Pg	Z	20:14:02.0	0.2	T	6.5	94.0	30.4	ML 1.7
	e Sg	N	20:14:14.0	1.3	T				
BUG	e Sg	N	20:14:39.2	-2.0	T		193.6	34.2	
TNS	e Sg	E	20:14:42.7	0.5	T		197.3	82.1	
BFO	e Sg	N	20:15:02.0	-0.2	T		267.2	133.3	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/23	23:22:35.6	+/- 0.72	49.340N	6.830E	10.0	4.4	65	1G		6	3	213	2.0ML	TNS	BGR	I
<b>1998/01/23</b>	<b>23:22:36.0</b>	<b>+/- 0.70</b>	<b>49.390N</b>	<b>6.870E</b>	<b>10.0</b>	<b>3.0</b>	<b>94</b>	<b>1G</b>		<b>13</b>	<b>9</b>	<b>210</b>	<b>2.0ML</b>		<b>LEDBW</b>	<b>I</b>

Double event 1 second apart

Saarbruecken-West

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg	+	23:22:42.9	0.6	T		37.2	21.4	
	e Sg		23:22:47.9	1.2					
ABH	i Pg	+	23:22:48.5	0.0	T		73.3	41.5	
	e Sg		23:22:58.1	1.1	T				

KTD	e	Pg		23:22:51.4	0.5	T		88.2	94.6								
TOD	e	Pn		23:22:59.5	-0.7	T		141.7	79.5								
	e	Sg		23:23:17.8	1.3	T											
TNS	e	Pg	Z	23:23:01.2	0.4		4.4	146.2	50.1	ML	2.0						
	e	Sg	E	23:23:19.4	1.6												
GSH	e	Pg	Z	23:23:02.3	0.2		2.4	153.9	347.0								
	e	Sg	E	23:23:21.1	1.2												
BFO	e	Pg	Z	23:23:02.6	-0.4		6.2	159.0	137.3	ML	1.9						
	e	Sg	E	23:23:20.4	-1.1												
LBG	e	Pg		23:23:03.0	-0.4			161.9	119.2	ML	2.0						
	e	Sg		23:23:22.4	0.1	T											
KIZ	e	Pn		23:23:01.9	-2.6			177.0	153.8	ML	2.3						
	e	Pg	+	23:23:05.4	-0.6	T											
	e	Sg		23:23:25.6	-1.0	T											
FELD	e	Pn	-	23:23:07.0	1.1			187.8	153.2								
	e	Sn		23:23:28.2	1.2												
HOL	e	Sg		23:23:38.7	1.9			212.9	89.5	ML	2.0						

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/24	01:50:05.0	+-	0.70	49.360N	6.860E	10.0	4.4	65	1G		6	3	211	2.1ML	TNS	BGR	I
1998/01/24	01:50:05.7	+-	0.60	49.370N	6.960E	11.0	3.0	88	1G		18	10	196	2.0ML		LEDBW	I

## Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag									
RUP	i Pg -	01:50:12.3	0.3	T		37.6	11.0										
ABH	i Pg +	01:50:17.6	-0.1	T		70.9	36.4										
	e Sg	01:50:27.3	1.3	T													
TOD	e Pn	01:50:28.5	-0.7	T		135.7	78.2										
	e Sg	01:50:46.8	2.3	T													
TNS	e Pg Z	01:50:30.2	0.3		3.1	142.7	47.8	ML	2.1								
	e Sg N	01:50:47.8	1.3														
BFO	e Pg Z	01:50:31.7	0.1		3.7	153.0	138.6	ML	2.0								
	e Sg E	01:50:49.9	0.5														
LBG	e Pg	01:50:32.1	0.2	T		155.1	119.7	ML	2.0								
	e Sg	01:50:51.4	1.4	T													
GSH	e Pg Z	01:50:31.8	-0.7		1.6	157.6	344.9										
	e Sg N	01:50:49.7	-1.0														
KIZ	e Pg	01:50:34.5	-0.4	T		172.2	155.5	ML	2.2								
	e Sg	01:50:54.7	-0.2	T													
FELD	e Pg -	01:50:36.1	-0.6	T		182.9	154.8										
	e Sg	01:50:58.1	0.1	T													
HOL	e Sg	01:51:07.1	2.5			206.4	88.9	ML	2.0								

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/26	09:21:34.8	+-	0.53	48.284N	6.600E	14.1	5.5	137	2	+- 0.0	6		223			LDG	L

## Epinal-N/F, Rambervillers

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/28	15:18:42.5	+-	0.72	49.340N	6.820E	10.0	4.4	65	1G		6	3	213	2.0ML	TNS	BGR	I
<b>1998/01/28</b>	<b>15:18:43.7</b>	<b>+-</b>	<b>0.20</b>	<b>49.390N</b>	<b>6.950E</b>	<b>4.0</b>	<b>1.0</b>	<b>95</b>	<b>1G</b>		<b>10</b>	<b>8</b>	<b>198</b>	<b>2.0ML</b>		<b>LEDBW</b>	<b>I</b>

## Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg +	15:18:50.2	0.5	T		35.5	12.8	
	Sg	15:18:55.1	1.2					
ABH	i Pg +	15:18:55.7	0.2	T		69.6	38.0	
	Sg	15:19:04.4	0.9					
KTD	e Pg	15:18:59.2	1.5			82.5	95.0	
TOD	e Pg +	15:19:06.9	0.2	T		136.0	79.1	
	e Sg	15:19:24.9	2.3					
TNS	e Pg Z	15:19:08.3	0.6		2.9	141.8	48.7	ML 2.0
	e Sg E	15:19:26.4	2.1		4.8			
BFO	e Pg Z	15:19:09.4	-0.6		4.8	155.2	138.9	ML 1.8
	e Sg E	15:19:27.4	-0.6		5.9			
GSH	e Pg Z	15:19:09.8	-0.2		1.2	155.3	344.9	ML 1.9
	e Sg N	15:19:27.5	-0.5		3.3			
LBG	e Sg	15:19:28.9	0.4	T		156.8	120.3	ML 2.0
KIZ	e Sg	15:19:32.9	-0.7			174.6	155.6	ML 2.1
FELD	Pg	15:19:14.7	-0.4	T		185.3	154.9	
	Sg	15:19:35.9	-0.8					

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/28	18:43:49.4	+-	0.49	47.891N	11.473E	9.9	6.9	48	11G		21		305	2.5ML		LDG	L
1998/01/28	18:43:48.3			47.420N	11.335E				10G			18		2.6ML	VIE	NEIC	
1998/01/28	18:43:46.6			47.568N	11.496E				10		12	7	269	2.4ML		FUR	L
1998/01/28	18:43:46.8			47.550N	11.610E				10G		12	8	227	2.4ML		LEDBW	L
1998/01/28	18:43:48.2			47.590N	11.560E				10G		14	7	242	2.4ML	GRFO	BGR	L
<b>1998/01/28</b>	<b>18:43:48.0</b>			<b>47.530N</b>	<b>11.450E</b>									<b>2.6ML</b>		<b>AGS</b>	

## Fall, N of Innsbruck/A, Karwendel Mountains

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
GAPA	i Pg -	18:43:52.0	-0.3			25.3	261.8	
	i Sg	18:43:55.9	0.7					
SCE	e Pg	18:43:57.1	-0.7			58.1	160.1	
OGA	e Pg	18:44:01.7	0.1			80.3	203.7	
UBR	e Sn	18:44:19.5	-1.6			102.0	280.0	ML 2.6
	e Sg	18:44:22.5	5.4					

HDH	e	Pg	-	18:44:13.4	0.1				149.2	322.2		ML	2.4
	e	Sg		18:44:32.0	1.3								
GUT	e	Pg	-	18:44:19.0	-0.3				184.4	289.9		ML	2.4
	e	Sg		18:44:41.9	1.2								
BEU	e	Pg		18:44:20.4	0.0				191.3	308.5		ML	2.5
	e	Sg		18:44:43.6	0.9								
WET	e	Pn	Z	18:44:19.6	-0.8		3.5	208.2	29.9			ML	2.0
	e	Sg	E	18:44:44.4	-3.1		11.9						
GEC2	e	Sg	N	18:44:48.3	-3.1		16.5	221.9	47.9			ML	2.2
LBG	e	Pg		18:44:29.6	1.9			234.0	303.6			ML	2.4
	e	Sg		18:44:55.9	1.0								
HOL	e	Pg		18:44:28.5	0.2			237.7	330.1			ML	2.4
	e	Sg		18:44:56.1	0.2								
GRFO	e	Pg	Z	18:44:28.9	0.0		3.9	240.9	356.1			ML	2.4
	e	Sg	E	18:44:55.8	-1.0		5.5						
BFO	e	Pn	Z	18:44:26.3	0.9		1.1	248.9	292.1			ML	2.4
	e	Pg	Z	18:44:31.9	1.7		5.8						
	e	Sg	N	18:44:59.6	0.5		13.0						
KIZ	e	Pg		18:44:36.3	2.8			268.3	281.5			ML	2.4
	e	Sg		18:45:05.2	0.5								
MOX	e	Pn	Z	18:44:35.8	-1.5		1.3	346.5	1.9			ML	2.6
	e	Sn	N	18:45:12.5	-0.2		2.9						
	e	Sg	Z	18:45:25.3	-1.7		4.7						
TNS	e	Pn	Z	18:44:40.5	0.2		1.5	371.2	324.9				
	e	Sn	E	18:45:17.7	-0.3		1.7						
CLL	e	Sg	E	18:45:49.6	-2.6		1.6	434.8	14.4				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/30	12:49:10.8	+- 1.35	51.184N	14.583E	24.3	14.0	107	0G		6	5	104	3.4ML	OG	PIDC	
<b>1998/01/30</b>	<b>12:49:09.8</b>	<b>+- 0.79</b>	<b>51.370N</b>	<b>14.630E</b>	<b>7.8</b>	<b>4.4</b>	<b>52</b>	<b>0G</b>		<b>16</b>	<b>7</b>	<b>271</b>	<b>2.7ML</b>	<b>MOX</b>	<b>BGR</b>	<b>B</b>

N of Bautzen, Oberlausitz

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag	
BRG	e	Pg	Z	12:49:22.1	-0.2	T	8.9	73.2	221.2	ML 2.1
	e	Sg	E	12:49:29.8	-0.9	T				
CLL	e	Pg	Z	12:49:28.7	-0.3	T	7.6	113.3	267.1	ML 2.4
	e	Sg	E	12:49:42.8	0.6	T				
MOX	e	Pg	Z	12:49:47.0	-1.0	T	7.5	225.8	250.2	ML 2.7
	e	Sg	E	12:50:14.3	0.0	T				
WET	e	Pn	Z	12:49:51.0	0.3	T	2.3	277.1	207.4	ML 2.7
	e	Pg	Z	12:49:56.4	-0.4	T				
	e	Sg	N	12:50:30.1	1.2	T				
GEC2	e	Pn	Z	12:49:52.6	0.5	T	1.9	288.4	193.6	ML 2.9
	e	Pg	Z	12:49:57.8	-0.9	T				
	e	Sg	E	12:50:32.0	-0.2	T				

CLZ	e	Pg	Z	12:50:01.2	0.8	T	4.4	298.6	281.8
	e	Sg	N	12:50:35.3	0.1	T			
GRA1	e	Pn		12:49:49.7	-4.3			304.6	233.6
	e	Pg		12:50:02.4	1.0				
	e	Sg		12:50:38.8	2.0				
GRFO	e	Pg	Z	12:50:01.9	0.4	T	2.0	304.8	233.6
	e	Sg	N	12:50:37.0	0.1	T			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1998/01/30	17:17:59.2	+- 0.84	49.350N	6.880E	12.2	5.6	71	1G		5	3	210	1.9ML	TNS	BGR	I
1998/01/30	17:17:59.5	+- 0.40	49.380N	6.940E	6.0	2.0	87	1G		17	12	199	2.0ML		LEDBW	I

## Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg +	17:18:06.2	0.5	T		36.8	13.5	
	Sg	17:18:12.3	2.3					
ABH	e Pg +	17:18:11.6	0.1	T		70.9	37.9	
	Sg	17:18:20.6	0.9	T				
TOD	e Pg -	17:18:22.7	-0.0	T		136.9	78.7	
	Sg	17:18:40.2	1.6	T				
TNS	e Pg Z	17:18:24.6	0.8		2.1	143.1	48.5	ML 1.9
	e Sg N	17:18:41.7	1.3					
BFO	e Pg Z	17:18:26.0	0.3		5.6	154.8	138.4	ML 1.7
	e Sg N	17:18:43.4	-0.3					
GSH	e Sg N	17:18:44.2	0.1			156.1	345.3	ML 1.9
LBG	e Sg	17:18:45.3	1.0	T		156.9	119.8	ML 2.0
KIZ	e Pg +	17:18:28.5	-0.5	T		173.8	155.2	ML 2.1
	e Sg	17:18:48.6	-0.5	T				
FELD	Pg	17:18:30.4	-0.4	T		184.6	154.5	
	Sg	17:18:51.9	-0.3	T				
SPAK	Pg	17:18:33.0	0.3	T		196.2	135.7	
GUT	e Pg	17:18:35.9	-0.2	T		216.0	131.6	ML 1.9

## Unassociated arrivals

Sta	Phase	Date	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	1998/01/05	02:48:31.8						
BFO	e Sg	1998/01/05	02:48:46.2						
BRG	i Sg	1998/01/09	16:18:08.3						
CLL	e (Sg)	1998/01/12	23:12:01.0						
CLL	e (Sg)	1998/01/15	04:55:24.0						
CLL	e (Sg)	1998/01/15	11:28:24.0						
MOX	e Pg	1998/01/15	12:45:35.5						
MOX	i Sg	1998/01/15	12:45:41.9						
CLL	e (Sg)	1998/01/16	05:18:37.0						
CLL	e (Sg)	1998/01/16	15:57:00.0						
BRG	e Sg	1998/01/17	00:27:45.7						
CLL	i (Sg)	1998/01/18	20:58:50.1						
BRG	e Sg	1998/01/20	09:04:36.2						
BFO	e Sg	1998/01/20	09:35:02.9						
BRG	e Sg	1998/01/20	09:53:05.3						
OGA	i Pg +	1998/01/21	22:32:57.5						
BRG	e Sg	1998/01/22	01:50:58.1						
MOX	e Sg	1998/01/23	07:36:24.1						
CLL	e Sg	1998/01/24	20:08:11.0						
BRG	e Sg	1998/01/25	04:25:19.1						
OGA	e Pn	1998/01/25	12:24:49.5						
OGA	e Pg	1998/01/25	18:19:29.9						

SCE	i Pg +	1998/01/25 18:19:29.3
MOX	e (Pg)	1998/01/26 08:47:24.0
CLL	e Sg	1998/01/26 18:08:39.0
OGA	e Pn	1998/01/27 00:47:22.3
MOX	e Sg	1998/01/27 09:56:57.3
BRG	e Sg	1998/01/27 20:42:29.7
OGA	i Pg -	1998/01/27 23:26:39.3
OGA	i Sg	1998/01/27 23:26:45.0
SCE	i Pg -	1998/01/27 23:26:40.3
MOX	e Sg	1998/01/28 09:29:06.1
MOX	e Sg	1998/01/28 10:22:59.4
MOX	i Pg	1998/01/28 12:50:29.0
MOX	i Sg	1998/01/28 12:50:33.0
CLL	e (Sg)	1998/01/28 16:57:23.0
CLL	e Sg	1998/01/28 17:38:35.0
CLL	e (Sg)	1998/01/30 11:32:37.0
OGA	i Pg +	1998/01/30 19:17:14.2