

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/02	15:35:12.8		49.000N	7.300E				10					3.0ML		SED	
2001/08/02	15:35:05.4		49.374N	6.878E				1G		81	30		3.6ML		LDG	L
2001/08/02	15:35:06.2	+ - 1.17	49.383N	6.814E				1G		10	5	334	3.0ML		BNS	I
2001/08/02	15:35:05.7	+ - 0.35	49.390N	6.860E	5.6	4.4	31	1G		23	10	164	3.2ML	TNS	BGR	I
2001/08/02	15:35:06.1	+ - 0.44	49.410N	6.930E	6.7	5.6	63	1G		19	9	158	3.1ML		SZGRF	I
<b>2001/08/02</b>	<b>15:35:05.1</b>	<b>+ - 0.40</b>	<b>49.370N</b>	<b>6.880E</b>	<b>6.0</b>	<b>2.0</b>	<b>90</b>	<b>1G</b>		<b>16</b>	<b>13</b>	<b>206</b>	<b>3.0ML</b>		<b>LED</b>	<b>I</b>

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg +	15:35:12.2	0.5	T		39.1	19.3	
WLF	e Pg Z	15:35:16.5	0.9			61.9	302.2	ML 2.5
	e Sg N	15:35:23.3	0.5					
ABH	Pg	15:35:17.8	0.1	T		74.5	39.9	
LANF	e Pg -	15:35:18.8	0.1	T		80.0	122.4	
KTD	Pg	15:35:19.8	-0.1	T		87.4	93.2	
HIL	e Pg Z	15:35:23.4	0.8			103.6	352.1	
	e Sg E	15:35:35.9	1.2					
WLS	e Pg -	15:35:24.1	0.0	T		111.9	161.8	
ECH	Pg	15:35:27.1	-0.0	T		129.9	170.9	
STB	e Pg Z	15:35:28.8	0.6			136.1	358.8	
	e Sg E	15:35:45.2	1.2					
TOD	Pn	15:35:28.0	-1.3	T		141.4	78.6	
	Sg	15:35:46.7	1.1	T				
LIBD	Pg	15:35:30.3	0.5	T		145.6	158.4	
TNS	e Pn Z	15:35:29.4	-0.6			147.1	49.3	ML 3.1
	e Pg Z	15:35:30.6	0.5					
	e Sg N	15:35:48.0	0.9					
KLL	e Pg Z	15:35:29.3	-0.8			147.7	344.3	
	e Sg E	15:35:47.9	0.6					
BFO	e Pn Z	15:35:30.4	-0.8		3.7	156.9	136.9	ML 2.9
	e Pg Z	15:35:32.0	0.3					
	e Sg N	15:35:50.6	0.7					
LBG	e Pn	15:35:30.9	-0.7	T		160.2	118.6	ML 3.1
	Sn	15:35:49.2	-1.1	T				
MOF	Pg	15:35:33.7	-0.2	T		169.8	173.6	
	Sg	15:35:53.9	0.2	T				
KIZ	Pg	15:35:34.6	-0.1	T		174.7	153.7	ML 3.0
BNS	e Pg Z	15:35:33.8	-1.5			178.4	6.7	
	e Sg E	15:35:54.7	-1.3					
HOB	e Pg Z	15:35:34.3	-1.7			182.3	10.0	
	e Sg N	15:35:54.9	-2.3					
SIND	e Pn	15:35:35.1	-1.0	T		197.4	89.6	ML 2.9
BEU	Pn	15:35:35.7	-1.3			204.6	114.3	ML 2.9
SLE	Pg	15:35:41.5	0.1	T		214.2	145.7	
BBS	Pg	15:35:41.2	-0.7			216.9	167.4	
GUT	Pg	15:35:42.0	-0.2			218.5	130.5	ML 3.0
BUG	e Pn Z	15:35:42.8	2.4			231.9	6.7	ML 3.0
	e Pg Z	15:35:43.7	-0.7		3.2			
	e Sg N	15:36:09.1	-2.3					
HDH	Sg	15:36:18.0	-0.8			258.0	108.5	ML 2.9
UBR	Pn	15:35:50.6	1.6			302.9	127.1	ML 3.0
GRFO	e Pg Z	15:36:00.1	1.6		6.0	315.2	81.9	ML 3.2
	e Sg N	15:36:35.4	0.3					
GRA1	e Pg Z	15:35:58.0	-0.6			315.3	81.8	ML 3.4
MOX	e Pn Z	15:35:58.0	1.2			366.8	65.5	ML 3.1
	e Pg Z	15:36:06.1	-1.2					

	e	Sn	N	15:36:36.8	2.8												
	e	Sg	N	15:36:49.9	-0.0												
CLZ	e	Pg	Z	15:36:08.6	1.0	1.5	369.1	40.5	ML	3.3							
	e	Sg	N	15:36:49.6	-1.0												
WET	e	Pn	Z	15:36:06.6	1.4		435.9	91.0	ML	3.3							
	e	Sn	N	15:36:50.7	2.1												
	e	Sg	N	15:37:11.7	2.0												
CLL	e	Sg	N	15:37:25.3	1.7		484.8	61.3	ML	3.4							
GEC2	e	Pn	Z	15:36:14.2	1.2		499.8	94.1	ML	3.3							
	e	Sn	N	15:37:04.6	2.5												
	e	Sg	N	15:37:29.1	1.2												
BRG	e	Pg		15:36:33.1	-1.9		530.3	68.9									
	e	Sg		15:37:36.9	0.3												

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/03	23:49:09.1		49.354N	6.844E				1G		29	13		2.8ML		LDG	L
2001/08/03	23:49:09.6	+ - 0.58	49.360N	6.920E	8.9	6.7	67	1G		5	3	164	1.8ML		SZGRF	I
<b>2001/08/03</b>	<b>23:49:09.3</b>	<b>+ - 0.41</b>	<b>49.350N</b>	<b>6.870E</b>	<b>6.7</b>	<b>4.4</b>	<b>34</b>	<b>1G</b>		<b>8</b>	<b>5</b>	<b>168</b>	<b>2.1ML</b>	<b>TNS</b>	<b>BGR</b>	<b>I</b>

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z 23:49:19.8	-0.0	T	7.7	62.5	304.3	ML 1.6
	e Sg	N 23:49:27.2	0.0	T				
TNS	e Pg	Z 23:49:34.2	-0.4	T	5.9	149.1	48.8	ML 2.1
	e Sg	E 23:49:51.8	-0.1	T				
BFO	e Pg	Z 23:49:35.5	-0.2	T	8.4	155.8	136.2	ML 2.0
	e Sg	E 23:49:53.4	-0.4	T				
WET	e Pn	Z 23:50:09.9	0.5	T		436.6	90.7	
GEC2	e Pn	Z 23:50:18.0	0.8	T		500.4	93.8	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/06	17:12:43.3		49.385N	6.854E				1G		31	16		2.8ML		LDG	L
2001/08/06	17:12:44.3	+ - 0.46	49.350N	6.870E	7.8	4.4	35	1G		6	3	168	1.9ML		SZGRF	I
<b>2001/08/06</b>	<b>17:12:43.9</b>	<b>+ - 0.43</b>	<b>49.350N</b>	<b>6.880E</b>	<b>7.8</b>	<b>4.4</b>	<b>34</b>	<b>1G</b>		<b>7</b>	<b>4</b>	<b>167</b>	<b>2.1ML</b>	<b>TNS</b>	<b>BGR</b>	<b>I</b>

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z 17:12:54.7	0.0	T	8.7	63.1	303.9	ML 1.7
	e Sg	N 17:13:02.0	0.1	T				
TNS	e Pg	Z 17:13:08.0	-1.1	T	8.1	148.6	48.6	ML 2.1
	e Sg	E 17:13:26.7	0.3	T				
BFO	e Pg	Z 17:13:10.2	-0.0	T	4.9	155.3	136.4	ML 2.0
	e Sg	E 17:13:28.2	-0.1	T				
GEC2	e Pn	Z 17:13:52.7	0.9	T		499.6	93.9	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/06	17:40:11.3		47.074N	10.432E				5					2.0ML		NEIC	
<b>2001/08/06</b>	<b>17:40:11.9</b>	<b>+ - 1.51</b>	<b>46.990N</b>	<b>10.180E</b>	<b>16.7</b>	<b>6.7</b>	<b>4</b>	<b>10G</b>		<b>7</b>	<b>5</b>	<b>267</b>	<b>2.3ML</b>	<b>FUR</b>	<b>BGR</b>	<b>L</b>

Silvretta, Piz Buin/A

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
OGA	i Pg +	17:40:17.4	-5.7			65.6	101.6	
	i Sg	17:40:24.4	-6.4					
SCE	i Pg -	17:40:26.6	-5.0			116.1	86.8	
FUR	e Pg Z	17:40:38.8	0.8	T	2.1	154.1	31.8	ML 2.3
	e Sg N	17:40:56.4	0.4	T				
BFO	e Sg N	17:41:09.6	-0.5	T		203.5	317.8	
GRFO	e Sg N	17:41:41.5	1.1	T		310.0	14.0	
WET	e Sg E	17:41:40.3	-0.9	T		312.3	38.9	ML 2.1
GEC2	e Pg E	17:41:08.9	0.5	T	1.8	333.7	50.5	ML 2.1
	e Sg N	17:41:46.7	-0.5	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/06	19:48:43.8		49.328N	6.852E				1					2.3ML		NEIC	
2001/08/06	19:48:43.8		49.328N	6.852E				1G		25	10		2.3ML		LDG	L
<b>2001/08/06</b>	<b>19:48:43.5 +- 0.43</b>		<b>49.350N</b>	<b>6.860E</b>	<b>6.7</b>	<b>4.4</b>	<b>34</b>	<b>1G</b>		<b>7</b>	<b>4</b>	<b>168</b>	<b>1.8ML</b>	<b>TNS</b>	<b>BGR</b>	<b>I</b>

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg Z	19:48:54.4	0.4	T	3.1	61.9	304.7	ML 1.3
	e Sg E	19:49:01.0	-0.2	T				
TNS	e Pg Z	19:49:08.1	-0.8	T	2.9	149.6	49.0	ML 1.8
	e Sg E	19:49:26.4	0.1	T				
BFO	e Pg Z	19:49:10.0	0.0	T	4.9	156.3	136.0	ML 1.7
	e Sg E	19:49:27.9	-0.3	T				
GEC2	e Pn Z	19:49:52.3	0.8	T		501.1	93.8	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/07	21:55:38.1		47.300N	10.500E				10					2.6ML		SED	
2001/08/07	21:55:40.1		47.350N	10.387E				10					2.8ML		NEIC	
2001/08/07	21:55:45.2		47.431N	10.189E				10G		48	24		2.8ML		LDG	L
2001/08/07	21:55:41.2 +- 1.00		47.290N	10.470E	10.0	6.0	117	10G		29	11	283	2.9ML		LED	L
2001/08/07	21:55:40.5 +- 0.85		47.210N	10.330E	8.9	6.7	1	10G		10	8	257	2.9ML	FUR	BGR	L
<b>2001/08/07</b>	<b>21:55:43.3 +- 0.58</b>		<b>47.370N</b>	<b>10.380E</b>	<b>12.2</b>	<b>6.7</b>	<b>3</b>	<b>10G</b>		<b>23</b>	<b>8</b>	<b>250</b>	<b>2.6ML</b>		<b>SZGRF</b>	<b>L</b>

Hochvogel, SW of Garmisch Partenkirchen, Lechtaler Alps/A

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
UBR	e Pg -	21:55:49.9	-0.4			40.1	329.5	ML 2.9
	e Sg	21:55:57.6	2.4					
OGA	i Pg +	21:55:52.2	-3.8			74.2	138.6	
	i Sg	21:56:00.6	-4.1					
SCE	i Pg -	21:55:59.6	-2.0			107.0	109.6	
FUR	e Pg Z	21:56:03.1	0.9	T		110.7	36.9	ML 2.8
	e Sg N	21:56:17.0	1.9	T				
GUT	e Pn +	21:56:03.2	-1.0			122.5	309.9	ML 2.8
	e Pg -	21:56:04.1	-0.0					
	e Sn	21:56:19.6	0.7					
	e Sg	21:56:20.4	1.9					
HDH	e Pn	21:56:05.0	-0.8			135.6	354.6	ML 2.9
	e Pg	21:56:05.9	-0.5					
	e Sg	21:56:24.0	1.9					

SPAK		Pg		21:56:07.3	-0.5				144.4	304.9						
SLE	i	Pn	+	21:56:06.2	-1.1				148.2	288.0						
	i	Pg	+	21:56:07.6	-0.9											
BEU	e	Pn	-	21:56:07.3	-0.6				152.9	332.3	ML	2.9				
	e	Pg		21:56:08.6	-0.7											
	e	Sn		21:56:26.2	0.9											
		Sg		21:56:28.7	1.6											
STU	e	Sn	N	21:56:31.0	0.2	T			179.0	330.9	ML	2.7				
	e	Sg	N	21:56:35.3	0.8	T										
LBG	e	Pn		21:56:11.0	-0.9				186.0	321.2	ML	2.9				
	e	Pg		21:56:14.1	-0.8											
	e	Sn		21:56:32.5	0.2											
	e	Sg		21:56:37.4	0.9											
BFO	e	Pn	Z	21:56:13.5	1.5	T			186.5	305.7	ML	2.4				
	e	Pg	Z	21:56:16.0	1.0	T										
	e	Sg	N	21:56:36.4	-0.3	T										
FELD	e	Pn	+	21:56:11.1	-0.9				186.7	288.4						
		Sn		21:56:32.1	-0.3											
KIZ	e	Pn		21:56:11.7	-1.3				195.5	290.4	ML	2.7				
	e	Pg		21:56:15.0	-1.6											
	e	Sn		21:56:33.7	-0.6											
	e	Sg		21:56:38.6	-0.6											
BBS		Pg		21:56:18.2	-1.8				216.2	273.8						
SIND	e	Pn	-	21:56:16.1	-0.8				227.3	345.7	ML	2.7				
	e	Pg	+	21:56:21.4	-0.5											
		Sn		21:56:40.9	-0.1											
	e	Sg		21:56:49.2	0.9											
MOF		Pg		21:56:25.5	-0.1				249.2	283.6						
WLS		Pg		21:56:26.2	-0.1				253.7	298.3						
ECH		Pg		21:56:26.1	-1.0				258.4	292.5						
GRFO	e	Pg	Z	21:56:28.5	0.1				265.4	13.2	ML	2.7				
GRA1	e	Pn	Z	21:56:20.8	-0.8	T			265.5	13.2	ML	2.8				
	e	Pg	Z	21:56:28.1	-0.2	T										
	e	Sg	N	21:56:59.9	0.7	T										
LOMF		Pg		21:56:27.1	-1.6				267.6	270.9						
WET	e	Pn	Z	21:56:21.6	-0.6	T			270.4	42.2	ML	2.4				
	e	Sg	N	21:56:59.6	-1.1	T										
GEC2	e	Pn	Z	21:56:25.1	-0.2	T			296.1	55.1	ML	2.1				
	e	Pg	Z	21:56:33.3	-0.2	T										
	e	Sn	N	21:56:58.7	3.2	T										
	e	Sg	N	21:57:07.0	-1.0	T										
TNS	e	Pn	Z	21:56:31.7	0.1	T			347.3	336.7	ML	2.9				
	e	Sn	N	21:57:07.0	0.6	T										
	e	Sg	N	21:57:23.5	0.9	T										
ABH		Pg		21:56:41.7	-0.6				348.3	324.4						
MOX	e	Pn	Z	21:56:33.8	-1.1	T			375.1	13.4	ML	2.7				
	e	Pg	Z	21:56:47.5	0.5	T										
	e	Sn	N	21:57:14.4	2.1	T										
	e	Sg	N	21:57:30.0	-0.5	T										
BRG	e	Sg		21:57:55.2	-1.8				467.8	32.3						

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/10	17:18:08.8		49.360N	6.914E				1G		21	10		2.8ML		LDG	L
2001/08/10	17:18:09.4	+- 0.45	49.350N	6.870E	7.8	4.4	34	1G		6	3	168	1.7ML		SZGRF	I
2001/08/10	17:18:09.1	+- 0.57	49.350N	6.880E	7.8	6.7	72	1G		5	3	167	2.0ML	TNS	BGR	I

Saarbruecken-West

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z	17:18:19.9	0.1	T		63.1	303.9	ML 1.4
	e Sg	N	17:18:26.9	-0.2					
TNS	e Pg	Z	17:18:34.2	-0.1	T		148.6	48.6	ML 2.0
	e Sg	E	17:18:51.8	0.3	T				
BFO	e Pg	Z	17:18:35.3	-0.0	T		155.3	136.4	ML 1.9
	e Sn	E	17:18:53.4	0.1	T				
	e Sg	N	17:18:53.7	0.2					

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
**2001/08/11 08:32:19.7 48.214N 8.539E 2 7 4 2.1ML LDG L**

Schramberg/Black Forest

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	08:32:22.7	-0.5			20.2	309.9	

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
 2001/08/12 01:36:46.0 47.231N 7.525E 2 56 23 2.4ML LDG L  
 2001/08/12 01:36:46.6 +- 1.51 47.250N 7.630E 12.2 8.9 37 10G 9 6 315 2.0ML BFO BGR L  
 2001/08/12 01:36:46.1 +- 0.40 47.230N 7.550E 5.0 2.0 336 10 +- 2.0 20 14 208 2.0ML LED L  
**2001/08/12 01:36:45.8 47.200N 7.600E 11 1.9ML SED**

S of Solothurn/CH, N of Bern

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BBS	e Pg	-	01:36:51.0	-0.2			30.2	346.9	
	Sg		01:36:54.5	-0.5					
LOMF	i Pg	-	01:36:55.9	-0.3			60.6	286.3	
MOF	e Pg	-	01:36:59.3	-0.3			80.5	334.3	
FELD	e Pg	+	01:36:59.5	-0.1			81.1	21.8	
	PmP		01:37:03.8	2.0					
KIZ	e Pn	+	01:37:00.3	-1.9			87.4	15.7	ML 2.2
SLE	e Pn	+	01:37:01.7	-1.1			92.0	46.5	
LIBD	Sg		01:37:16.5	0.3			105.7	0.1	
ECH	Sg		01:37:19.3	-0.3			117.7	343.9	
SPAK	Pg		01:37:08.9	0.3			134.0	41.1	
BFO	e Pg	Z	01:37:08.5	-0.6		6.8	137.0	23.2	ML 2.0
	e Sg	E	01:37:24.6	-0.5					
GUT	e Pn	+	01:37:09.1	-0.7			149.2	49.0	ML 2.0
	Pg		01:37:11.6	0.4					
	Sg		01:37:29.3	0.8					
LBG	Pg		01:37:17.1	-0.2			185.5	28.2	ML 2.1
	Sg		01:37:38.2	-0.7					
UBR	Pg		01:37:19.7	0.7			196.0	73.3	ML 2.0
	Sg		01:37:43.2	1.3					
BEU	Pn		01:37:15.3	-1.3			204.9	40.7	ML 2.0
	Pg		01:37:20.6	-0.0					
	Sg		01:37:43.9	-0.5					
STU	e Sg	E	01:37:44.6	-1.5			211.1	33.6	ML 2.1
HDH	Pg		01:37:27.9	0.0			247.9	50.7	ML 2.0
	Sg		01:37:56.4	-0.3					

SIND		Pg		01:37:32.9	-0.6			281.3	31.1	ML	2.2
		Sg		01:38:04.7	-1.5						
FUR	e	Pg	Z	01:37:36.1	0.2		2.9	295.2	67.4		
	e	Sg	E	01:38:10.5	0.3						
GRFO	e	Pg	Z	01:37:51.0	-0.0		2.5	384.6	42.6		
	e	Sg	E	01:38:34.9	-0.8						
WET	e	Sg	N	01:38:53.0	-0.6			447.0	59.1		
GEC2	e	Sg	N	01:39:04.8	-0.8			489.1	65.8		

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/13	18:00:48.2		50.826N	5.930E				2		12	7		2.6ML		LDG	L
<b>2001/08/13</b>	<b>18:00:49.2 +- 1.02</b>		<b>50.830N</b>	<b>6.000E</b>	<b>13.3</b>	<b>5.6</b>	<b>120</b>	<b>5G</b>		<b>6</b>	<b>4</b>	<b>236</b>	<b>2.1ML</b>	<b>WLF</b>	<b>BGR</b>	<b>L</b>

Maastricht, Heerlen/NL, Dutch-German border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Sg	N 18:01:21.0	-0.1	T		111.6	52.0	ML 2.2
WLF	e Pg	Z 18:01:10.9	-0.3	T	3.2	130.0	175.2	ML 2.1
	e Sg	E 18:01:26.0	-0.3	T				
TNS	e Pn	Z 18:01:18.3	-0.0	T	1.2	185.7	110.4	ML 1.8
	e Sg	N 18:01:42.5	0.3	T				
BFO	e Pn	Z 18:01:35.9	0.7	T	1.2	324.7	148.0	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/15	04:34:46.6		51.098N	6.050E				2		35	17		2.6ML		LDG	L
2001/08/15	04:34:47.8 +- 0.79		51.100N	6.060E	10.0	3.3	112	10G		9	5	222	2.0ML	WLF	BGR	L
<b>2001/08/15</b>	<b>04:34:48.7 +- 0.52</b>		<b>51.152N</b>	<b>6.045E</b>				<b>12G</b>		<b>11</b>	<b>6</b>	<b>267</b>	<b>2.1ML</b>		<b>BNS</b>	<b>L</b>

Erkelenz, SW of Moenchengladbach

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
KLL	e Pg	Z 04:34:58.9	-0.0	T		59.2	161.5	
	e Sg	N 04:35:06.2	0.2	T				
BNS	e Sg	E 04:35:12.7	0.4	T		81.8	104.4	
STB	e Pg	Z 04:35:02.9	-0.1	T		83.4	137.8	
	e Sg	N 04:35:12.8	-0.0	T				
BUG	e Pg	E 04:35:03.5	-0.8	T		91.0	68.9	ML 2.4
	e Sg	Z 04:35:14.9	-0.0	T				
HOB	e Pg	Z 04:35:04.3	-0.1	T		92.0	101.2	
	e Sg	E 04:35:15.3	0.1	T				
HIL	e Pg	Z 04:35:06.0	-0.7	T		105.5	154.7	
	e Sg	E 04:35:18.6	-0.5	T				
WLF	e Pg	Z 04:35:14.4	-2.5		2.9	165.6	177.3	ML 2.0
	e Sg	E 04:35:33.5	-2.7					
IBBN	e Sg	N 04:35:38.9	0.3			174.3	41.9	ML 2.4
TNS	e Pn	Z 04:35:18.5	-0.0		1.1	198.3	120.5	ML 1.9
	e Pg	Z 04:35:21.6	-0.7		3.0			
	e Sg	N 04:35:43.8	-1.7					
CLZ	e Sg	N 04:36:15.2	-1.9			309.2	74.0	ML 2.5

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/15	04:44:48.3 +- 0.85		50.080N	18.640E	12.2	10.0	164	1G		14	8	319	3.5ML		SZGRF	I

## POLAND

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z	04:45:40.0	2.8	T		343.8	286.7	ML 3.1
	e Pg	Z	04:45:44.3	-2.2	T				
	e Sg	N	04:46:26.2	-0.3	T				
GEC2	e Pn	Z	04:45:41.7	-0.1	T		382.3	250.8	ML 3.3
	e Pg	Z	04:45:50.1	-3.0	T				
	e Sg	N	04:46:38.6	1.1	T				
CLL	e Pg	Z	04:45:56.0	-3.4	T		419.7	291.1	ML 3.4
	e Sg	N	04:46:48.0	-0.2	T				
WET	e Pn	Z	04:45:47.6	0.2	T		427.8	258.1	ML 3.6
	e Sg	N	04:46:49.3	-1.2	T				
MOX	e Sg	N	04:47:13.9	2.2	T		502.0	279.9	ML 3.3
GRA1	e Sg	N	04:47:20.3	-0.3	T		533.0	268.2	ML 3.7
FUR	e Sg	N	04:47:35.6	2.6	T		576.5	251.1	ML 4.1
BFO	e Sg	N	04:48:28.3	-0.9	T		773.2	259.4	ML 3.8

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/15	05:50:34.7		47.823N	8.736E				2		10	6		2.1ML		LDG	L

Tuttlingen/Swabian Jura

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	05:50:45.2	-0.4		3.8	63.9	331.9	
	e Sg	E	05:50:51.7	-1.3					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/15	07:43:17.7		49.911N	7.456E				2		26	11		2.5ML		LDG	L
2001/08/15	07:43:19.7	+ - 0.42	49.770N	7.540E	7.8	5.6	155	0G		6	3	148	1.7ML	BFO	BGR	Q

Kirn/Nahe, E of Idar-Oberstein

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg	Z	07:43:32.2	-1.4	T	9.4	82.1	51.8	ML 1.8
	e Sg	N	07:43:44.0	0.9	T				
WLF	e Pg	Z	07:43:36.5	-0.3	T	9.9	100.4	263.8	ML 1.7
	e Sg	E	07:43:48.8	0.4	T				
BFO	e Pg	Z	07:43:50.1	1.5	T	1.9	170.1	159.9	ML 1.7
	e Sg	N	07:44:07.5	-0.8	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/15	13:55:45.7		47.545N	8.303E				2		9	5		2.2ML		LDG	L

Laufenburg, N of Brugg/CH, Swiss-German border region

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	13:56:02.4	1.9		2.8	87.4	1.3	
	e Sg	E	13:56:13.3	2.7					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/16	15:58:19.7		47.178N	5.744E				5G		19	8		2.1ML		LDG	L

Quingey, SW of Besancon/F

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e (Pg) N	15:58:56.7	-2.3			231.9	55.5	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/17	11:48:26.5		49.376N	6.829E				1G		26	12		2.8ML		LDG	L
2001/08/17	11:48:27.2	+ - 0.45	49.350N	6.880E	7.8	4.4	34	1G		6	3	167	1.9ML		SZGRF	I
2001/08/17	11:48:26.4	+ - 0.41	49.340N	6.900E	6.7	4.4	34	1G		8	5	167	2.2ML	TNS	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg Z	11:48:37.0	-0.4	T	9.7	64.9	304.0	ML 1.8
	e Sg N	11:48:44.9	-0.0	T				
TNS	e Pg Z	11:48:51.3	-0.2	T	5.4	148.2	48.0	ML 2.2
	e Sg N	11:49:08.6	-0.1	T				
BFO	e Pg Z	11:48:53.0	0.6	T	7.4	153.5	136.5	ML 2.1
	e Sg N	11:49:09.6	-0.6	T				
WET	e Pn Z	11:49:26.2	-0.1	T	1.7	434.4	90.6	
GEC2	e Pn Z	11:49:35.2	1.1	T	5.5	498.1	93.8	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/17	15:43:16.6	+ - 0.70	51.490N	6.780E	7.8	4.4	110	1G		9	5	203	2.0ML	TNS	BGR	I
2001/08/17	15:43:16.9	+ - 0.94	51.567N	6.792E				1G		9	5	311	2.0ML		BNS	I
2001/08/17	15:43:15.6		51.534N	6.758E				1G					1.7ML		BUG	I

Duisburg, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg + Z	15:43:22.9	1.0	TA		36.9	106.1	ML 1.7
	e Sg E	15:43:27.2	1.1					
BNS	e Sg E	15:43:38.6	3.1			69.7	155.2	
HOB	e Pg Z	15:43:29.6	1.6			73.1	146.6	
	e Sg E	15:43:39.4	2.9					
KLL	e Pg Z	15:43:34.8	1.7			103.4	197.7	
	e Sg E	15:43:49.0	3.8					
STB	e Pg Z	15:43:35.5	2.2			104.6	176.9	
	e Sg E	15:43:48.5	3.0					
IBBN	e Pg Z	15:43:35.5	1.2		1.6	109.9	38.1	ML 2.1
	e Sg E	15:43:49.1	2.1					
HIL	e Pg Z	15:43:40.3	1.3			138.1	182.3	
	e Sg E	15:43:57.9	2.9					
TNS	e Pg Z	15:43:48.3	0.8		2.1	187.8	140.2	ML 2.0
	e Sg N	15:44:08.3	-1.0					
WLF	e Sg N	15:44:15.9	-0.4			212.2	191.9	ML 2.2
CLZ	e Pg Z	15:43:59.6	1.4		1.6	251.4	80.8	ML 2.1
	e Sg N	15:44:28.0	0.6					



Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/17	23:21:52.2		47.072N	9.454E				2		36	17		2.2ML		LDG	L
2001/08/17	23:21:51.2	+ - 1.11	47.070N	9.490E	8.9	4.4	16	10G		11	7	272	2.1ML	BFO	BGR	L
2001/08/17	23:21:52.0	+ - 1.40	47.060N	9.490E	13.0	6.0	355	5G		25	9	275	2.2ML		LED	L
<b>2001/08/17</b>	<b>23:21:51.5</b>		<b>47.100N</b>	<b>9.400E</b>				<b>5</b>					<b>2.0ML</b>		<b>SED</b>	

Vaduz/Liechtenstein, Swiss-Liechtenstein-Austrian border reg

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
UBR	e Pg +	23:22:06.6	0.9			83.7	39.3	ML 1.8
	e Sg	23:22:18.7	3.3					
	SmS	23:22:22.0	1.9					
SLE	e PmP	23:22:11.4	0.5			100.7	317.7	
	e SmS	23:22:25.3	1.0					
GUT	e Pn	23:22:11.2	-0.2			110.0	348.9	ML 2.1
	e Pg	23:22:12.1	1.9					
	e PmP	23:22:12.6	0.2					
	e Sn	23:22:25.9	0.5					
FELD	e Sg	23:22:27.1	4.1					
	e Pg	23:22:16.4	1.8			135.8	310.0	
KIZ	e Sg	23:22:33.7	3.4					
	e Pn	23:22:17.7	1.8			146.4	311.1	ML 2.2
BFO	e Pg	23:22:17.9	1.6					
	e Sg	23:22:35.9	2.5					
	e Pg Z	23:22:19.4	1.0		4.7	158.5	330.0	ML 2.1
	e Sg N	23:22:38.5	1.7					
BEU	e Pn	23:22:16.2	-1.9			165.0	0.4	ML 2.4
	e Pg	23:22:19.9	0.5					
	e Sn	23:22:38.2	1.2					
HDH	e Sg	23:22:41.1	2.5					
	e Pg	23:22:21.5	0.2			175.7	19.7	ML 2.1
	e Sn	23:22:41.0	1.8					
LBG	e Sg	23:22:43.4	1.7					
	e Pg	23:22:22.6	0.6			179.7	345.7	ML 2.3
	e Sn	23:22:40.6	0.5					
FUR	e Sg	23:22:45.2	2.3					
	e Pg Z	23:22:22.3	-0.3		2.0	183.6	49.2	ML 2.4
	e Sg N	23:22:43.0	-1.0					
STU	e Sg N	23:22:46.0	1.2			186.4	355.3	ML 2.4
SIND	e Sn	23:22:55.5	0.5			250.5	3.4	ML 2.2
	e Sg	23:23:05.5	2.4					
GRFO	e Sg N	23:23:22.4	0.0			317.9	24.3	ML 2.8
WET	e Pg Z	23:22:48.5	-1.3		1.9	343.9	47.4	ML 2.6
	e Sg E	23:23:28.8	-1.0					
TNS	e Sg N	23:23:33.3	0.6			354.2	349.0	ML 2.9
GEC2	e Pg Z	23:22:54.2	-0.7		2.6	374.3	57.2	ML 2.7
	e Sg N	23:23:37.2	-1.3					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/18	12:56:06.2		48.459N	7.686E				19G		9	5		2.1ML		LDG	L

Offenburg/Upper Rhine Graben, French-German border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg Z	12:56:16.3	1.1		2.2	49.7	106.6	

e Sg E 12:56:21.6 0.2

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/20	11:26:43.2	+- 0.45	49.360N	6.890E	7.8	4.4	34	1G		6	3	165	2.0ML	TNS	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z 11:26:54.9	0.9	T	2.0	63.1	302.7	ML 1.4
	e Sg	N 11:27:00.7	-0.6	T				
TNS	e Pg	Z 11:27:08.2	0.0	T	2.5	147.3	48.8	ML 2.0
	e Sg	E 11:27:25.4	0.1	T				
BFO	e Pg	Z 11:27:09.8	0.2	T	4.3	155.6	136.8	ML 1.8
	e Sg	E 11:27:27.4	-0.3	T				

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/23	13:39:15.2	+- 0.45	49.360N	6.860E	7.8	4.4	34	1G		6	3	167	1.8ML		SZGRF	I
2001/08/23	13:39:13.8	+- 0.42	49.370N	6.910E	6.7	4.4	32	1G		7	4	163	2.0ML	TNS	BGR	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z 13:39:24.6	-0.0	T	2.3	63.7	301.2	ML 1.6
	e Sg	E 13:39:31.9	-0.1	T				
TNS	e Pg	Z 13:39:37.9	-0.6	T	5.6	145.5	48.8	ML 2.0
	e Sg	E 13:39:55.8	0.4	T				
BFO	e Pg	Z 13:39:41.1	0.9	T	4.0	155.4	137.5	ML 2.0
	e Sg	N 13:39:57.8	-0.4	T				
GEC2	e Pn	Z 13:40:21.6	0.1	T	4.6	497.6	94.2	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/24	14:19:57.9	+- 0.43	49.360N	6.870E	6.7	4.4	34	1G		7	4	167	2.2ML	TNS	BGR	I
2001/08/24	14:19:57.6	+- 0.80	49.380N	6.890E	10.0	4.0	92	1G		23	14	205	2.1ML		LED	I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg	- 14:20:04.4	0.4	T		37.8	18.8	
	Sg	14:20:09.1	0.7	T				
WLF	e Pg	Z 14:20:08.9	0.8		3.6	61.9	301.0	ML 1.6
	e Sg	E 14:20:15.5	0.2					
ABH	e Pg	- 14:20:09.9	-0.1	T		73.2	40.1	
	Sg	14:20:17.9	-0.6					
LANF	e Pg	14:20:10.6	-0.6	T		80.0	123.4	
KTD	e Pg	+ 14:20:12.9	0.6	T		86.7	93.9	
WLS	e Pg	- 14:20:17.1	0.4	T		112.8	162.3	
	e Sg	14:20:28.8	-1.0	T				
ECH	e Pn	14:20:20.1	-0.4	T		130.9	171.3	
	e Sn	14:20:35.6	-1.0	T				
SWS	e Pg	14:20:20.2	0.3	T		131.5	84.3	ML 1.9
	e Sg	14:20:37.2	2.1	T				
TOD	e Pg	+ 14:20:21.3	-0.2	T		140.5	79.0	

	e	Sg		14:20:39.2	1.5	T												
TNS	e	Pg	Z	14:20:22.6	0.3		4.6	145.8	49.4	ML	2.2							
	e	Sg	E	14:20:40.6	1.3													
BFO	e	Pg	Z	14:20:24.5	0.2		5.3	157.2	137.4	ML	1.9							
	e	Sg	E	14:20:42.3	-0.2													
LBG		Pg		14:20:24.7	-0.1	T		160.1	119.1	ML	2.0							
		Sg		14:20:43.9	0.6	T												
MOF	e	Sg		14:20:46.5	0.1	T		170.9	173.9									
KIZ	e	Pg		14:20:26.8	-0.5	T		175.4	154.1	ML	2.2							
	e	Sg		14:20:47.2	-0.5	T												
FELD	e	Pg	-	14:20:29.2	0.0	T		186.2	153.5									
	e	Sg		14:20:50.3	-0.5	T												
SIND		Sg		14:20:53.4	-0.4	T		196.7	90.0	ML	2.1							
GUT		Pg		14:20:34.3	-0.3	T		218.7	130.9	ML	2.1							
		Sg		14:21:00.2	0.1	T												
GEC2	e	Pn	Z	14:21:06.5	1.1		5.6	499.1	94.3									

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
2001/08/25 19:12:30.3 +- 0.66 51.510N 17.060E 8.9 7.8 12 1G 20 8 293 3.8ML SZGRF I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn Z	19:13:04.8	-0.3	T		228.4	253.2	ML 3.6
	e Sg N	19:13:35.8	0.2	T				
RUE	e Pn Z	19:13:09.6	1.9	T		248.9	296.8	ML 3.6
	e Sg N	19:13:43.3	1.9	T				
CLL	e Pn Z	19:13:12.2	0.5	T		282.3	267.0	ML 3.6
	e Sg N	19:13:50.1	-0.9	T				
MOX	e Pn Z	19:13:25.3	0.2	T		392.2	257.9	ML 4.0
	e Pg Z	19:13:32.7	-4.1	T				
	e Sn N	19:14:07.5	2.9	T				
	e Sg N	19:14:22.1	-0.3	T				
WET	e Pn Z	19:13:26.9	1.3	T		396.5	230.1	ML 3.8
	e Pg Z	19:13:36.6	-0.9	T				
	e Sg N	19:14:25.1	1.5	T				
GRA1	e Pn Z	19:13:34.5	1.3	T		458.7	246.1	ML 4.2
	e Pg Z	19:13:44.6	-3.5	T				
	e Sg N	19:14:42.7	1.3	T				
CLZ	e Sn N	19:14:25.3	5.9	T		462.4	277.2	ML 3.7
	e Sg N	19:14:41.8	-0.7	T				
TNS	e Pn Z	19:13:52.7	-0.3	T		620.7	260.0	ML 4.0
	e Sg N	19:15:28.1	0.4	T				

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
2001/08/26 23:08:21.1 49.400N 6.800E 10 3.3ML SED  
2001/08/26 23:08:20.9 49.350N 6.886E 1G 83 34 3.6ML LDG L  
2001/08/26 23:08:19.8 +- 0.30 49.321N 6.827E 1G 10 5 335 3.0ML BNS I  
2001/08/26 23:08:20.9 +- 0.38 49.380N 6.890E 5.6 4.4 24 1G 15 8 163 2.9ML BFO BGR I  
2001/08/26 23:08:20.6 +- 0.47 49.410N 6.920E 6.7 5.6 71 1G 15 10 158 3.1ML SZGRF I  
2001/08/26 23:08:20.5 +- 0.40 49.380N 6.900E 4.0 2.0 100 1G 34 20 196 3.0ML LED I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg +	23:08:27.3	0.5	T		37.6	17.8	
WLF	e Pg Z	23:08:31.6	0.5			62.6	300.7	ML 2.5
	e Sg E	23:08:38.3	-0.1		3.1			
ABH	e Pg +	23:08:32.8	-0.0	T		72.7	39.6	
LANF	e Pg -	23:08:33.9	-0.0	T		79.4	123.7	
KTD	e Pg	23:08:35.0	-0.1	T		86.0	94.0	
HIL	e Pg Z	23:08:38.2	0.3			102.7	351.3	
	e Sg E	23:08:53.0	3.2					
WLS	e Pg -	23:08:39.3	-0.3	T		112.5	162.7	
	e Sg	23:08:53.6	0.9	T				
SWS	e Pn	23:08:42.1	-1.3	T		130.7	84.2	ML 2.6
	Pg	23:08:42.9	0.3	T				
	Sn	23:08:58.8	-0.7	T				
	Sg	23:09:00.2	2.4					
ECH	e Pn -	23:08:42.2	-1.2	T		130.8	171.6	
	e Sn	23:08:56.3	-3.2					
STB	e Pg Z	23:08:42.8	-0.6			135.0	358.2	
	e Sg E	23:09:01.1	2.0					
TOD	e Pn -	23:08:43.3	-1.2	T		139.8	78.9	
	e Sg	23:09:02.2	1.7	T				
TNS	e Pg Z	23:08:44.9	-0.2			145.3	49.3	ML 3.1
	e Sg N	23:09:03.0	1.0					
LIBD	e Pn -	23:08:45.5	0.2	T		146.1	159.1	
KLL	e Pg Z	23:08:44.3	-1.1			147.0	343.6	
	e Sg N	23:09:03.5	1.0					
BFO	e Pg Z	23:08:47.0	-0.1			156.7	137.6	ML 2.9
	e Sg N	23:09:05.7	0.4					
LBG	e Pn	23:08:45.8	-1.0	T		159.4	119.2	ML 3.0
	e Pg	23:08:47.7	0.1	T				
	e Sn	23:09:04.2	-1.3	T				
MOF	e Pg	23:08:49.3	-0.2	T		170.8	174.2	
	e Sg	23:09:09.7	0.4	T				
KIZ	e Pn	23:08:48.6	-0.2	T		175.1	154.3	ML 3.1
	e Pg	23:08:50.0	-0.2	T				
	Sg	23:09:10.3	-0.3	T				
BNS	e Pg Z	23:08:48.9	-1.6			177.2	6.3	
	e Sg N	23:09:10.6	-0.5					
STU	e Pn Z	23:08:48.7	-0.7		2.1	180.2	111.2	ML 2.9
HOB	e Pg Z	23:08:49.5	-1.7			181.0	9.7	
	i Sg E	23:09:11.4	-0.8					
FELD	e Pg	23:08:51.6	-0.4	T		185.8	153.7	
	e Sg	23:09:14.4	0.8	T				
SPAK	e Pg	23:08:54.2	0.1	T		198.2	135.1	
	e Sg	23:09:23.7	6.5					
BEU	e Pn	23:08:51.7	-0.6	T		203.8	114.8	ML 3.0
	Pg	23:08:54.9	-0.2	T				
	Sn	23:09:13.7	-1.2	T				
	Sg	23:09:19.3	0.6	T				
SLE	e Pg	23:08:57.0	0.2	T		214.3	146.2	
BBS	e Pg	23:08:58.5	1.1			217.7	167.9	
GUT	e Pn	23:08:53.6	-0.4			218.2	131.0	ML 3.0
	e Pg	23:08:57.5	-0.0	T				
	Sg	23:09:23.4	0.5					
LOMF	e Pg	23:08:58.4	-0.4	T		225.7	181.4	
	e Sg	23:09:25.0	0.1	T				
BUG	e Pn Z	23:08:55.9	0.3			230.6	6.4	ML 3.0
	e Pg Z	23:08:59.0	-0.5		4.4			

HDH	e	Sg	N	23:09:23.8	-2.5													
		Pg		23:09:03.7	-0.4	T		257.0	108.9									
		Sg		23:09:35.5	1.6													
UBR		Pn		23:09:06.0	1.7	T		302.4	127.4									
		Pg		23:09:13.2	1.4													
		Sg		23:09:48.5	1.6													
GRA1	e	Sg	N	23:09:50.3	0.2			313.8	82.0									ML 3.4
MOX	e	Pn	Z	23:09:12.7	0.8			365.0	65.6									ML 3.0
	e	Pg	Z	23:09:21.2	-1.2		3.1											
	e	Sn	N	23:09:50.7	1.7													
	e	Sg	N	23:10:04.3	-0.5													
CLZ	e	Sg	N	23:10:04.2	-1.2			367.3	40.5									ML 3.3
WET	e	Pn	Z	23:09:21.7	1.3		21.7	434.5	91.2									ML 3.2
	e	Sn	N	23:10:05.7	2.0													
CLL	i	Pg		23:09:45.9	3.5			483.0	61.3									ML 3.3
	e	Sg	N	23:10:39.9	1.4													
GEC2	e	Pn	E	23:09:29.4	1.2		38.8	498.4	94.3									
BRG	e	Pg		23:09:48.7	-1.4			528.5	69.0									ML 3.1
	e	Sg		23:10:51.9	0.4													

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/27	14:43:08.2	+- 0.45	49.360N	6.870E	6.7	4.4	33	1G		6	3	167	1.9ML		SZGRF	I
2001/08/27	14:43:07.9	+- 0.41	49.370N	6.890E	6.7	4.4	29	1G		8	4	164	2.1ML	BFO	BGR	I
<b>2001/08/27</b>	<b>14:43:07.6</b>	<b>+- 0.70</b>	<b>49.380N</b>	<b>6.910E</b>	<b>9.0</b>	<b>4.0</b>	<b>92</b>	<b>1G</b>		<b>20</b>	<b>13</b>	<b>203</b>	<b>2.2ML</b>		<b>LED</b>	<b>I</b>

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg -	14:43:14.3	0.3	T		37.4	16.7	
	Sg	14:43:20.6	2.4					
WLF	e Pg Z	14:43:18.5	0.1		3.1	63.2	300.3	ML 1.7
	e Sg N	14:43:25.8	0.1		3.3			
ABH	e Pg +	14:43:19.9	0.1	T		72.2	39.2	
LANF	e Pg +	14:43:21.4	0.5	T		78.8	124.0	
KTD	e Pg	14:43:21.6	-0.5	T		85.3	94.0	
WLS	e Pg +	14:43:26.8	0.1	T		112.3	163.1	
SWS	e Pn	14:43:29.4	-1.0	T		130.0	84.2	ML 1.8
	e Sg	14:43:46.9	2.1	T				
ECH	e Pn -	14:43:29.7	-0.8	T		130.7	171.9	
	e Sn	14:43:44.7	-1.9	T				
TOD	e Pg +	14:43:31.5	0.3	T		139.1	78.9	
	e Sg	14:43:48.8	1.4	T				
TNS	e Pn Z	14:43:31.7	-0.5		1.4	144.7	49.1	ML 2.2
	e Pg Z	14:43:32.9	0.8		5.4			
	e Sg N	14:43:49.7	0.8		2.7			
BFO	e Pg Z	14:43:34.3	0.2		2.3	156.2	137.8	ML 2.1
	e Sg E	14:43:52.2	-0.1		6.5			
LBG	e Sg	14:43:53.4	0.5	T		158.8	119.4	ML 2.2
MOF	e Pg	14:43:36.2	-0.4	T		170.7	174.4	
	e Sg	14:43:56.7	0.3	T				
KIZ	e Pg	14:43:36.9	-0.3	T		174.8	154.6	ML 2.3
	e Sg	14:43:57.1	-0.4	T				
FELD	e Pg	14:43:38.5	-0.5	T		185.5	153.9	
	e Sg	14:44:00.3	-0.3	T				
BEU	e Sg	14:44:10.6	4.9			203.1	114.9	ML 2.1
SLE	e Pg	14:43:43.9	0.1	T		213.9	146.4	

	e	Sg		14:44:08.7	-0.0	T											
GUT		Pg		14:43:44.5	0.1				217.6	131.2			ML	2.1			
		Sg		14:44:09.9	0.1												
GEC2	e	Pn	E	14:44:16.8	1.5				497.7	94.3							

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/29	16:22:52.8		51.456N	6.320E				1G		43	22		3.4ML		LDG	L
2001/08/29	16:22:53.4	+ - 0.60	51.380N	6.560E	7.8	3.3	114	1G		13	6	209	2.7ML		SZGRF	I
2001/08/29	16:22:52.4	+ - 0.66	51.410N	6.490E	8.9	4.4	115	1G		10	5	213	2.6ML	TNS	BGR	I
2001/08/29	16:22:52.4	+ - 0.28	51.464N	6.472E				1G		12	6	304	2.7ML		BNS	I
<b>2001/08/29</b>	<b>16:22:51.4</b>		<b>51.475N</b>	<b>6.487E</b>				<b>1G</b>					<b>2.1ML</b>		<b>BUG</b>	<b>I</b>

Moers, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	i Pg + Z	16:23:01.6	1.0	TA		54.3	93.7	ML 2.1
	e Sg N	16:23:08.9	1.9		1.8			
BNS	e Pg Z	16:23:05.1	1.1			74.5	139.6	
	e Sg N	16:23:14.6	1.9					
HOB	e Pg Z	16:23:06.1	1.1			80.4	132.5	
	e Sg N	16:23:16.6	2.2					
KLL	e Pg Z	16:23:07.7	0.5			92.9	187.6	
	e Sg N	16:23:19.5	1.6					
STB	e Pg Z	16:23:09.4	0.9			101.1	165.7	
	e Sg E	16:23:22.0	1.7					
IBBN	e Pg Z	16:23:14.1	1.1		6.2	127.1	42.8	ML 2.9
	e Sg N	16:23:30.5	2.8		5.2			
HIL	e Pg + Z	16:23:14.5	0.7			132.2	174.0	
	e Sg N	16:23:30.7	1.6					
BGG	e Pg Z	16:23:16.9	-0.5			153.1	156.8	
	e Sg E	16:23:35.4	0.3					
TNS	e Pn Z	16:23:23.3	1.1		1.5	195.8	134.6	ML 2.6
	e Pg Z	16:23:25.0	0.4		8.0			
	e Sg N	16:23:46.4	-0.9		3.5			
WLF	e Pg Z	16:23:26.3	0.6		5.5	202.7	186.8	ML 2.9
	e Sg Z	16:23:48.1	-1.2		4.3			
CLZ	e Pg Z	16:23:38.4	1.1		3.8	271.1	79.8	ML 2.9
	e Sg N	16:24:11.1	2.3					
BFO	e Pn Z	16:23:44.5	0.6			373.7	158.6	ML 2.8
	e Sn N	16:24:22.4	0.6					
	e Sg N	16:24:36.7	-1.4					
BRG	e Sg	16:25:21.9	0.8			523.8	94.4	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/29	23:01:46.0		49.360N	6.863E				1G		33	18		2.7ML		LDG	L
<b>2001/08/29</b>	<b>23:01:46.1</b>	<b>+ - 0.45</b>	<b>49.360N</b>	<b>6.880E</b>	<b>6.7</b>	<b>4.4</b>	<b>33</b>	<b>1G</b>		<b>6</b>	<b>3</b>	<b>166</b>	<b>1.8ML</b>		<b>SZGRF</b>	<b>I</b>

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg Z	23:01:56.4	-0.4	T		62.5	303.1	ML 1.4
	e Sg N	23:02:03.9	-0.1	T				
TNS	e Pg Z	23:02:09.8	-1.4	T		147.8	49.0	ML 2.1
	e Sg N	23:02:28.4	0.1	T				

BFO e Pg Z 23:02:12.1 -0.5 T 156.1 136.6 ML 1.9  
 e Sg N 23:02:30.4 -0.3 T

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
 2001/08/30 01:10:28.1 +- 0.61 51.490N 16.170E 5.6 4.4 80 1G 21 10 267 3.7ML SZGRF I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg Z	01:10:56.9	0.0	T		169.7	247.0	ML 3.3
	e Sg N	01:11:16.9	0.3	T				
RUE	e Pg Z	01:10:58.9	-2.7	T		197.0	304.8	ML 3.4
	e Sg E	01:11:24.7	0.3	T				
CLL	e Pn Z	01:11:02.3	0.3	T		220.6	266.0	ML 3.4
	e Sg N	01:11:31.0	-0.2	T				
MOX	e Pn Z	01:11:16.6	1.1	T		331.8	255.3	ML 3.9
	e Sg N	01:12:03.0	0.1	T				
GEC2	e Pn Z	01:11:18.4	1.6	T		342.6	211.8	ML 3.5
	e Sn N	01:11:54.2	2.3	T				
	e Sg N	01:12:05.6	-0.4	T				
WET	e Pn Z	01:11:18.8	1.0	T		350.2	223.1	ML 3.6
	e Sn N	01:11:55.6	2.1	T				
	e Sg N	01:12:08.0	-0.2	T				
CLZ	e Pn Z	01:11:25.5	1.5	T		401.6	277.9	ML 3.6
	e Sg N	01:12:23.2	0.3	T				
GRA1	e Pn Z	01:11:25.8	1.7	T		402.3	242.1	ML 4.1
	e Sg N	01:12:24.5	1.4	T				
TNS	e Pn Z	01:11:45.7	2.3	T		559.8	258.4	ML 4.0
	e Sg N	01:13:08.2	0.1	T				
BFO	e Sg N	01:13:38.9	1.6	T		661.8	241.0	ML 3.9

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
 2001/08/30 04:45:49.2 +- 1.92 47.770N 14.460E 25.6 15.6 45 10G 6 4 338 2.2ML WET BGR L

Hochkogel Mountain/A

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
GEC2	e Pg Z	04:46:11.8	0.2	T	17.2	132.0	335.1	ML 1.7
	e Sg N	04:46:27.2	0.2	T	1.8			
WET	e Pg Z	04:46:21.4	-0.4	T	6.0	192.2	323.2	ML 2.2
	e Sg N	04:46:43.6	-0.6	T	4.6			
GRFO	e Sg N	04:47:21.0	0.5	T	2.6	319.4	313.2	ML 2.5
MOX	e Sg E	04:47:37.6	-0.3	T	2.3	380.5	328.2	ML 2.5
CLL	i (Sg)	04:47:45.7	0.1			407.1	345.6	

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
 2001/08/31 17:45:26.9 +- 0.59 49.350N 6.890E 8.9 6.7 65 1G 5 3 167 1.8ML SZGRF I  
 2001/08/31 17:45:26.2 +- 0.40 49.350N 6.890E 5.6 3.3 25 1G 11 6 167 2.1ML TNS BGR I

Saarbruecken-West

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
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WLF	e	Pg	Z	17:45:37.3	0.3	T	4.5	63.7	303.6	ML	1.4
	e	Sg	E	17:45:43.8	-0.6	T					
TNS	e	Pg	Z	17:45:51.1	-0.1	T	4.1	148.0	48.5	ML	2.1
	e	Sg	E	17:46:09.0	0.5	T					
BFO	e	Pg	Z	17:45:52.5	0.1	T	6.5	154.8	136.6	ML	1.9
	e	Sg	E	17:46:09.9	-0.5	T					
GRFO	e	Pg	Z	17:46:19.6	0.1	T	2.2	314.8	81.4	ML	2.5
	e	Sg	E	17:46:55.5	-0.6	T					
WET	e	Pn	Z	17:46:26.9	0.7	T	1.8	435.1	90.7		
GEC2	e	Pn	Z	17:46:34.9	1.0	T	6.8	498.9	93.9		
	e	Sn	N	17:47:23.0	0.1	T					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2001/08/31	20:56:21.5		50.887N	6.076E				2		20	10		2.4ML		LDG	L
<b>2001/08/31</b>	<b>20:56:24.1</b>	<b>+ - 0.66</b>	<b>50.530N</b>	<b>6.280E</b>	<b>10.0</b>	<b>4.4</b>	<b>106</b>	<b>5G</b>		<b>7</b>	<b>4</b>	<b>208</b>	<b>1.7ML</b>	<b>WLF</b>	<b>BGR</b>	<b>L</b>

Monschau/Eifel, German-Belgian border region

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg	Z	20:56:40.7	0.2	T	3.2	96.7	185.5	ML 1.7
	e Sg	E	20:56:52.1	0.3	T				
BUG	e Pg	Z	20:56:44.8	-0.2	T	1.9	122.7	34.0	ML 1.8
	e Sg	N	20:56:59.0	-0.2	T				
TNS	e Pg	Z	20:56:51.6	0.8	T	1.6	157.4	101.7	ML 1.5
	e Sg	N	20:57:09.9	0.8	T				
BFO	e Sg	N	20:57:44.3	-1.6	T		286.0	148.0	

Unassociated arrivals

Sta	Phase	Date	Time	TRes	Def	S/N	Dist	EvAz	Mag
MOX	e Sg	2001/08/01	04:31:12.7						
MOX	e Pg	2001/08/01	04:31:53.7						
MOX	e Sg	2001/08/01	04:32:03.7						
MOX	e Pg	2001/08/01	04:40:18.9						
BRG	e Sg	2001/08/01	06:46:42.8						
BRG	e Sg	2001/08/01	19:52:56.5						
CLL	e (Sg)	2001/08/02	04:03:51.0						
MOX	e Pg	2001/08/02	04:17:16.8						
MOX	e Sg	2001/08/02	04:17:34.3						
BRG	e Sg	2001/08/02	06:15:01.8						
CLL	i Sg	2001/08/03	22:40:20.4						
BRG	e Sg	2001/08/04	21:22:44.0						
OGA	i Pg	-	2001/08/05	02:36:09.5					
OGA	i Sg	-	2001/08/05	02:36:16.2					



BRG	e	Sg	2001/08/05	18:43:04.8
BRG	e	Sg	2001/08/06	01:36:19.8
BRG	e	Sg	2001/08/06	02:06:09.9
CLL	e	Sg	2001/08/06	07:39:58.0
BRG	e	Pg	2001/08/06	16:15:07.9
BRG	i	Sg	2001/08/06	16:15:23.0
BRG	e	Sg	2001/08/06	17:26:27.6
OGA	i	Pg -	2001/08/06	19:44:24.3
OGA	i	Sg	2001/08/06	19:44:31.8
BRG	e	Sg	2001/08/06	21:44:28.7
BRG	e	Pg	2001/08/07	03:23:42.0
BRG	i	Sg	2001/08/07	03:23:47.9
CLL	e	Sg	2001/08/07	03:27:41.0
BRG	e	Pg	2001/08/07	13:34:10.3
BRG	e	Sg	2001/08/07	13:34:51.4
OGA	i	Pg -	2001/08/07	23:34:59.5
OGA	i	Sg	2001/08/07	23:35:06.2
CLL	i	Sg	2001/08/08	03:29:07.4
OGA	i	Pg +	2001/08/08	10:20:51.2
OGA	i	Sg	2001/08/08	10:20:56.1
BRG	e	Pg	2001/08/09	05:58:32.6
BRG	e	Sg	2001/08/09	05:59:12.1
CLL	e	Sg	2001/08/09	05:59:34.0
BRG	e	Sg	2001/08/09	09:52:32.9
CLL	i	Sg	2001/08/09	09:52:58.7
BRG	e	Sg	2001/08/09	10:43:49.9
MOX	e	(Pg)	2001/08/09	19:07:03.2
MOX	e	Sg	2001/08/09	19:07:20.7
BRG	e	Sg	2001/08/09	19:12:56.8
BRG	i	Sg	2001/08/10	04:03:21.9
BRG	e	Sg	2001/08/12	23:06:29.7
BRG	e	Sg	2001/08/15	02:27:02.8
BRG	e	Sg	2001/08/15	02:33:38.9
BRG	e	Sg	2001/08/15	16:12:56.4

OGA	i	Pg +	2001/08/15	16:26:41.7
OGA	e	Sg	2001/08/15	16:26:53.4
BRG	e	Sg	2001/08/16	22:58:02.4
SCE	i	Pg +	2001/08/17	10:07:28.2
OGA	i	Pg -	2001/08/17	10:07:19.3
BRG	e	Sg	2001/08/17	16:29:22.5
SCE	i	Pg -	2001/08/18	00:04:10.2
OGA	e	Pg	2001/08/18	00:04:01.4
OGA	e	Sg	2001/08/18	00:04:08.2
BRG	e	Sg	2001/08/18	10:07:27.2
BRG	e	Sg	2001/08/18	17:29:32.4
BRG	e	Sg	2001/08/18	19:14:54.5
BRG	e	Sg	2001/08/19	04:47:40.9
BRG	e	Sg	2001/08/19	08:31:16.4
OGA	i	Pg +	2001/08/20	01:02:41.4
SCE	i	Pg +	2001/08/20	06:48:58.4
SCE	i	Sg	2001/08/20	06:49:02.4
OGA	i	Pg -	2001/08/20	06:48:58.2
OGA	i	Sg	2001/08/20	06:49:01.5
SCE	i	Pg +	2001/08/20	06:48:58.4
SCE	i	Sg	2001/08/20	06:49:02.4
OGA	i	Pg -	2001/08/20	06:48:58.2
OGA	i	Sg	2001/08/20	06:49:01.5
MOX	e	(Pn)	2001/08/21	19:00:41.2
MOX	e	(Sg)	2001/08/21	19:02:15.1
BRG	e	Sg	2001/08/21	19:12:02.1
BRG	e	Sg	2001/08/22	03:02:07.2
BRG	e	Sg	2001/08/22	13:09:16.1
BRG	i	Sg	2001/08/23	16:12:23.5
BRG	e	Sg	2001/08/24	01:52:41.8
BRG	e	Sg	2001/08/24	01:56:17.0
OGA	i	Pg +	2001/08/24	14:38:16.4
BRG	e	Sg	2001/08/24	16:12:44.5
BRG	e	Sg	2001/08/24	16:15:36.6

OGA	i	Pg	-	2001/08/25	00:19:54.8	
OGA	i	Sg		2001/08/25	00:20:01.5	
OGA	i	Pg	-	2001/08/25	04:39:13.1	
OGA	e	Sg		2001/08/25	04:39:24.5	
BRG	e	Sg		2001/08/26	17:16:20.4	
BRG	e	Sg		2001/08/26	22:32:24.9	
ROTZ	i	Pg	-	2001/08/27	05:33:57.7	
ROTZ	i	Sg		2001/08/27	05:34:06.9	ML 1.6
OGA	i	Pg	-	2001/08/28	01:43:24.8	
SCE	i	Pg	+	2001/08/28	06:27:29.1	
SCE	i	Sg		2001/08/28	06:27:32.8	
OGA	i	Pg	+	2001/08/28	08:40:53.4	
SCE	i	Pg	-	2001/08/28	08:40:48.8	
SCE	e	Sg		2001/08/28	08:41:01.6	ML 1.7
OGA	i	Pg	+	2001/08/29	04:40:25.1	
OGA	i	Sg		2001/08/29	04:40:31.6	
SCE	e	Pg		2001/08/29	04:40:32.1	
OGA	i	Pg	-	2001/08/29	04:49:32.1	
SCE	i	Pg	-	2001/08/29	04:49:25.4	
SCE	i	Sg		2001/08/29	04:49:39.5	ML 2.1
CLL	e	Sg		2001/08/29	10:21:37.0	
BRG	i	Sg		2001/08/29	16:12:27.7	
ROTZ	i	Pn	-	2001/08/30	01:11:17.3	
SCE	i	Pg	+	2001/08/30	02:45:11.7	
SCE	e	Sg		2001/08/30	02:45:28.5	ML 2.1
OGA	i	Pg	-	2001/08/30	02:45:05.2	
OGA	i	Sg		2001/08/30	02:45:16.6	
CLL	e	Sg		2001/08/30	14:29:52.0	
BRG	e	Sg		2001/08/31	15:28:50.0	
BRG	e	Sg		2001/08/31	16:01:15.3	