

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/11/02	01:44:38.1		47.900N	7.300E				10					2.3ML		SED	
1999/11/02	01:44:39.6		47.900N	7.200E				11					2.5ML		LDG	
1999/11/02	01:44:40.5	+- 1.27	47.950N	7.320E	13.3	4.4	20	10G		8	6	252	1.8ML	BFO	BGR	L
<b>1999/11/02</b>	<b>01:44:39.4</b>	<b>+- 0.10</b>	<b>47.900N</b>	<b>7.310E</b>	<b>1.0</b>	<b>1.0</b>	<b>350</b>	<b>3</b>	<b>+- 3.0</b>	<b>25</b>	<b>16</b>	<b>106</b>	<b>2.2ML</b>		<b>LED</b>	<b>L</b>

NW of Mulhouse/F, Vosges Mountains

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
MOF	i Pg +	01:44:42.0	0.1	T		14.3	247.9	
	Sg	01:44:43.9	0.3	T				
LIBD	Pg	01:44:46.1	0.6	T		35.4	37.9	
	Sg	01:44:51.0	1.5	T				
KIZ	i Pg +	01:44:47.2	0.0	T		45.7	81.9	ML 1.6
	Sg	01:44:53.2	0.7	T				
BBS	i Pg -	01:44:48.2	0.2	T		50.7	162.8	
FELD	i Pg +	01:44:48.4	0.2	T		51.8	92.7	
WLS	i Pg -	01:44:49.4	0.3	T		57.1	3.2	
	PmP	01:44:51.4	-1.6	T				
	e Sg	01:44:56.6	0.8	T				
LOMF	Pg	01:44:51.7	0.3	T		71.0	210.8	
BFO	e Pg Z	01:44:55.1	0.6		25.6	89.5	57.3	ML 1.8
	e Sg N	01:45:05.8	0.8		3.9			
SPAK	e Pg -	01:44:59.1	0.7	T		112.1	77.9	
LANF	Pg	01:45:01.0	0.3	T		125.6	16.7	
GUT	Pn	01:45:01.1	-1.6	T		135.7	81.3	ML 2.2
	Pg	01:45:02.5	0.1	T				
LBG	Pg	01:45:02.9	-0.0	T		138.8	51.7	ML 2.3
	Sg	01:45:19.8	0.7	T				
STU	e Sg N	01:45:28.1	0.2		3.5	169.6	54.5	ML 2.3
BEU	Pn	01:45:05.3	-1.9	T		173.4	63.2	ML 2.2
	Pg	01:45:09.0	0.2	T				
	Sg	01:45:29.3	0.4	T				
RUP	Pg	01:45:13.3	-0.2	T		201.2	354.9	
UBR	i Pg -	01:45:15.7	0.6	T		210.4	95.6	ML 2.2
WLF	e Pg Z	01:45:15.5	-0.2		1.8	213.7	337.1	ML 2.0
	e Sg N	01:45:41.0	0.5		1.5			
TOD	Pg	01:45:18.1	1.6			219.0	29.4	
ABH	e Pg +	01:45:16.4	-0.4	T		221.0	4.4	
HDH	Pg	01:45:18.0	0.0	T		227.6	69.4	ML 2.2
TNS	e Sg E	01:45:56.6	-0.3		2.4	271.2	17.4	ML 2.5
FUR	e Sg N	01:46:05.5	1.4		2.8	296.2	82.9	ML 3.0
GRFO	e Sg N	01:46:18.3	-0.7		2.3	348.8	53.7	ML 2.9

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/11/02	01:59:32.7		47.900N	7.300E				10					1.9ML		SED	
1999/11/02	01:59:32.3		47.900N	7.200E				3					2.3ML		LDG	
1999/11/02	01:59:34.7	+- 1.35	47.990N	7.350E	15.6	7.8	7	10G		6	5	273	1.6ML	BFO	BGR	L
<b>1999/11/02</b>	<b>01:59:31.9</b>	<b>+- 0.20</b>	<b>47.900N</b>	<b>7.300E</b>	<b>2.0</b>	<b>2.0</b>	<b>356</b>	<b>3</b>	<b>+- 6.0</b>	<b>21</b>	<b>14</b>	<b>117</b>	<b>2.1ML</b>		<b>LED</b>	<b>L</b>

NW of Mulhouse/F, Vosges Mountains

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
MOF	i Pg +	01:59:34.5	0.3	T		13.6	246.7	
	Sg	01:59:36.5	0.6	T				
LIBD	Sg	01:59:43.5	1.4	T		35.8	38.9	

KIZ	i	Pg +		01:59:39.8	-0.0	T		46.5	82.0	ML	1.6
		Sg		01:59:45.7	0.5	T					
BBS		Pg		01:59:40.8	0.3	T		50.9	162.0		
FELD	i	Pg +		01:59:40.9	0.1	T		52.6	92.6		
WLS	i	Pg -		01:59:42.0	0.4	T		57.2	4.0		
		PmP		01:59:44.0	-1.6	T					
		Sg		01:59:49.1	0.9	T					
LOMF		Pg		01:59:44.2	0.4	T		70.6	210.3		
BFO	e	Pg Z		01:59:47.7	0.5		16.4	90.2	57.6	ML	1.6
		Sg E		01:59:59.6	2.0		3.0				
SPAK	i	Pg -		01:59:51.7	0.7	T		112.8	77.9		
GUT		Pg		01:59:55.1	0.1	T		136.4	81.3	ML	2.1
LBG		Pg		01:59:55.3	-0.2	T		139.4	51.9	ML	2.0
		Sg		02:00:12.4	0.7	T					
STU	e	Sg E		02:00:21.2	0.7		2.3	170.2	54.6	ML	2.0
BEU		Pg		02:00:01.5	0.1	T		174.1	63.3	ML	2.0
		Sg		02:00:21.9	0.2	T					
UBR	i	Pg -		02:00:08.3	0.6	T		211.2	95.6	ML	2.1
		Sg		02:00:33.3	1.0	T					
WLF	e	Pg Z		02:00:08.0	-0.1		1.2	213.5	337.2		
ABH	e	Pg -		02:00:09.0	-0.3	T		221.1	4.6		
HDH		Pg		02:00:10.5	-0.1	T		228.3	69.5	ML	2.2
TNS	e	Sg E		02:00:49.3	-0.1		2.2	271.4	17.5	ML	2.4
GRFO	e	Sg E		02:01:11.4	-0.3		1.5	349.4	53.8		

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/11/02	22:48:16.8		47.900N	7.500E				10					2.3ML		SED	
1999/11/02	22:48:17.0		47.900N	7.500E				11					2.5ML		LDG	
1999/11/02	22:48:19.3	+ - 1.33	47.990N	7.570E	14.5	5.6	13	10G		8	6	261	1.6ML	BFO	BGR	L
<b>1999/11/02</b>	<b>22:48:16.7</b>	<b>+ - 0.07</b>	<b>47.912N</b>	<b>7.508E</b>	<b>0.8</b>	<b>0.6</b>	<b>13</b>	<b>5</b>	<b>+ - 2.3</b>	<b>32</b>	<b>18</b>	<b>77</b>	<b>2.1ML</b>		<b>LED</b>	<b>L</b>

Muellheim/Upper Rhine Graben, NE of Mulhouse/F

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
LIBD	e Pg -	22:48:22.0	0.6	T		27.4	14.9	
	Sg	22:48:26.1	1.4	T				
FBB	Pg	22:48:21.8	0.3			27.6	68.7	
MOF	i Pg +	22:48:21.8	0.1	T		28.8	256.6	
	e Sg	22:48:25.6	0.6	T				
KIZ	e Pg +	22:48:22.0	0.0	T		30.9	80.7	ML 1.7
	Sg	22:48:26.0	0.4	T				
FELD	e Pg -	22:48:23.2	0.1	T		37.2	95.9	
	Sg	22:48:28.1	0.7	T				
ECH	i Pg -	22:48:24.1	0.1	T		42.6	322.6	
	PmP	22:48:26.3	-2.2	T				
	i Sg	22:48:29.3	0.3	T				
BBS	e Pg -	22:48:25.3	0.1	T		49.8	179.9	
WLS	i Pg -	22:48:26.7	0.3	T		56.9	348.4	
	PmP	22:48:28.6	-1.5	T				
	Sg	22:48:34.2	1.2	T				
	SmS	22:48:37.3	-2.0	T				
SLE	e Pg -	22:48:29.6	0.1	T		75.3	102.1	
	PmP	22:48:32.6	0.1					
BFO	e Pg Z	22:48:30.8	1.1		8.5	76.7	52.4	ML 1.6
	e Sg N	22:48:41.0	2.3		4.9			
LOMF	e Pg +	22:48:30.3	-0.0	T		80.6	219.5	

Station	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag	Ref	Source	Ev_type
SPAK	Pg	22:48:34.2	1.0	T		97.4	77.0				
LANF	Pg	22:48:37.4	0.2	T		120.8	10.3				
LBG	Pg	22:48:38.5	0.3	T		126.7	48.2			ML 2.3	
	Sg	22:48:53.9	0.9	T							
STU	e Sg	E 22:49:01.6	0.0		1.4	156.9	51.9			ML 2.2	
BEU	Pg	22:48:44.1	0.3	T		159.8	61.4			ML 2.1	
	Sg	22:49:03.3	1.0	T							
KTD	Sg	22:49:04.5	1.5	T		162.2	14.9				
UBR	Pg	22:48:50.6	0.7	T		195.9	96.6			ML 2.2	
	Sg	22:49:13.8	1.2	T							
RUP	Pg	22:48:50.4	-0.5	T		201.7	350.8				
HDH	Pg	22:48:52.9	0.1	T		213.3	68.5			ML 2.2	
	Sg	22:49:17.4	-0.3	T							
WLF	e Pg	Z 22:48:53.8	0.0		1.3	218.7	333.5			ML 1.9	
	e Sg	E 22:49:19.9	0.7		2.3						
ABH	Pg	22:48:53.5	-0.3	T		219.0	0.7				
TNS	e Sg	E 22:49:33.3	0.6		2.2	265.8	14.6			ML 2.3	
GRFO	e Sg	E 22:49:52.2	-0.6		2.0	336.1	52.6			ML 2.9	
WET	e Sg	E 22:50:16.8	0.5		1.7	418.4	68.9			ML 2.7	

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
1999/11/03 03:30:35.6 +- 0.78 51.480N 6.750E 10.0 4.4 123 1G 7 5 204 2.0ML TNS BGR I

Duisburg

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	Z 03:30:41.4	-0.4	T	3.1	36.2	96.7	ML 1.5
	e Sg	E 03:30:46.2	0.2	T				
IBEN	e Sg	N 03:31:08.7	0.2	T		115.0	36.5	ML 2.1
TNS	e Pg	Z 03:31:06.5	-0.3	T	1.4	183.7	138.9	ML 2.0
	e Sg	E 03:31:28.6	0.4	T				
WLF	e Sg	E 03:31:35.4	0.8	T		206.2	192.0	
CLZ	e Sg	E 03:31:47.4	-0.5	T		253.0	79.4	

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
1999/11/04 05:49:38.5 47.900N 7.500E 10  
1999/11/04 05:49:38.9 47.931N 7.432E 10  
1999/11/04 05:49:39.8 47.900N 7.500E 7  
1999/11/04 05:49:42.5 +- 1.07 47.810N 7.800E 12.2 11.1 163 10G 11 6 321 3.0ML SZGRF L  
1999/11/04 05:49:41.0 +- 0.82 48.020N 7.520E 8.9 4.4 15 10G 14 8 255 2.9ML TNS BGR L  
1999/11/04 05:49:39.1 +- 0.15 47.901N 7.509E 2.3 1.4 10 9 +- 2.0 29 15 118 2.9ML LED L

Muellheim/Upper Rhine Graben, NE of Mulhouse/F

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
FBB	i Pg +	05:49:44.4	0.3	T		28.0	66.3	
MOF	i Pg +	05:49:44.3	0.1	T		28.6	259.1	
	Sg	05:49:48.2	0.5	T				
LIBD	i Pg -	05:49:44.6	0.4	T		28.6	14.1	
	PmP	05:49:45.9	-3.0	T				
	Sg	05:49:48.6	0.9	T				
KIZ	i Pg +	05:49:44.6	0.0	T		31.1	78.5	ML 2.6
	Sg	05:49:48.7	0.4	T				

FELD	i	Pg	+	05:49:45.9	0.3	T			37.0	94.1							
ECH	i	Pg	-	05:49:46.7	0.0	T			43.6	323.5							
		PmP		05:49:48.8	-1.6	T											
		Sg		05:49:51.8	-0.0	T											
WLS	i	Pg	-	05:49:49.3	0.3	T			58.1	348.6							
		PmP		05:49:51.3	-0.8	T											
		Sg		05:49:56.7	0.8	T											
		SmS		05:49:59.8	-1.3	T											
SLE	i	Pn	-	05:49:52.3	-1.9	T				75.0	101.2						
BFO	e	Pg	Z	05:49:52.7	0.4			61.7		77.4	51.6			ML	2.5		
	e	Sg	N	05:50:03.0	1.6			7.3									
LOMF	e	Pn	+	05:49:53.0	-1.8	T				79.7	220.1						
SPAK		Pn		05:49:55.8	-1.2	T				97.6	76.3						
		Pg		05:49:56.9	1.1	T											
LANF		Sg		05:50:15.3	1.3	T				122.0	10.2						
LBG		Pn		05:49:59.8	-0.8	T				127.4	47.8			ML	3.2		
		Pg		05:50:01.0	0.3	T											
		Sg		05:50:16.5	0.9	T											
STU	e	Pg	Z	05:50:06.2	0.4				3.4	157.6	51.5			ML	3.0		
	e	Sg	E	05:50:24.3	0.1				4.8								
BEU		Pg		05:50:07.5	1.2	T				160.3	61.0			ML	3.1		
		Sg		05:50:25.8	0.8	T											
KTD		Sg		05:50:27.0	1.1	T				163.4	14.8						
UBR	e	Pn	+	05:50:09.8	0.9	T				195.7	96.2			ML	2.9		
		Pg		05:50:13.2	0.9												
		Sg		05:50:36.5	1.4	T											
RUP		Pg		05:50:13.2	-0.3					202.9	350.8						
TOD		Sg		05:50:39.5	-0.3					212.0	26.1						
HDH		Pg		05:50:16.3	0.9					213.7	68.2			ML	2.9		
		Sg		05:50:40.7	0.5												
WLF	e	Pg	Z	05:50:16.1	-0.3			5.6		219.8	333.6			ML	2.7		
	e	Sg	E	05:50:40.9	-1.1			4.2									
ABH	e	Pg	+	05:50:16.0	-0.4					220.2	0.7						
TNS	e	Pn	Z	05:50:18.8	1.1			1.5		267.0	14.5			ML	2.9		
	e	Pg		05:50:27.1	2.7												
	e	Sg	E	05:50:53.2	-2.2			4.9									
OGA	i	Pn	+	05:50:24.5	4.3					288.5	112.2						
GRC1	e	Sg	N	05:51:10.7	0.1					319.9	66.1			ML	2.9		
GRFO	e	Pg	Z	05:50:36.6	0.4			3.1		336.8	52.4			ML	3.2		
	e	Sg	N	05:51:14.5	-0.8			4.7									
GRA1	e	Pg	Z	05:50:36.9	0.6					337.0	52.4			ML	3.3		
	e	Sg	N	05:51:15.1	-0.3												
WET	e	Pg	Z	05:50:47.3	-2.7					418.8	68.7			ML	3.2		
	e	Sg	N	05:51:39.4	0.6			4.0									
MOX	e	(Pn)		05:50:39.1	2.1					426.3	42.8			ML	3.3		
	e	Pg	Z	05:50:50.9	-0.4												
	e	Sn		05:51:21.4	2.5												
	e	Sg	N	05:51:39.6	-1.3			2.9									
GEC2	e	Pn	Z	05:50:43.4	1.1			1.8		469.1	74.8			ML	3.2		
	e	Sg	E	05:51:53.3	0.1			2.7									
BRG	e	Sg		05:52:26.8	4.6					570.7	52.2						

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/11/06	05:34:38.9		50.800N	5.900E				5					3.0ML		LDG	
1999/11/06	05:34:40.3	+ - 0.66	50.830N	6.110E	13.3	5.6	108	10G		12	6	215	2.4ML	BUG	BGR	L

Kerkrade/NL, Geilenkirchen, N of Aachen

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	Z	05:34:56.8	-1.4	T		105.6	49.5	ML 2.4
	e Sg	N	05:35:10.7	0.1	T				
WLF	e Pg	Z	05:35:00.8	-1.5	T		129.6	178.7	ML 2.2
	e Sg	N	05:35:16.9	-0.6	T				
TNS	e Pn	Z	05:35:08.6	0.6	T	3.3	178.5	111.3	ML 2.1
	e Sg	E	05:35:31.0	-0.3	T				
IBBN	e Sg	N	05:35:36.5	-1.0	T		199.8	34.1	
CLZ	e Pg	Z	05:35:34.4	0.4	T		316.7	67.5	ML 2.9
	e Sg	E	05:36:10.7	-0.1	T				
BFO	e Pn	Z	05:35:25.0	-0.3	T	1.3	320.7	149.2	
	e Pg	Z	05:35:28.6	-6.1	T	1.3			
	e Sg	Z	05:36:11.5	-0.5	T				

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
**1999/11/07 02:39:38.9 50.800N 5.900E 5 2.4ML LDG**

NE of Liege/B, Dutch-Belgian border region

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
**1999/11/07 10:45:21.6 47.300N 6.000E 5 2.4ML LDG**

Charcenne, NW of Besancon/F

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	10:45:57.5	0.6		2.7	208.2	55.8	
	e Sg	N	10:46:21.6	0.5					

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
 1999/11/08 15:30:59.6 +- 0.37 50.080N 10.550E 5.6 3.3 27 10G 12 8 145 2.4ML CLL BGR L  
**1999/11/08 15:31:00.3 +- 0.28 50.070N 10.540E 4.4 3.3 158 10G 14 8 89 2.2ML SZGRF L**

Hassfurt/Main, E of Schweinfurt

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
GRFO	e Sg	N	15:31:20.0	1.1	T		64.4	130.6	ML 1.7
MOX	e Pg	Z	15:31:16.9	-0.3	T		99.5	49.6	ML 2.1
	e Sg	N	15:31:29.9	1.0	T				
TNS	e Pg	Z	15:31:24.9	-0.9	T		150.1	277.3	ML 2.2
	e Sg	E	15:31:42.4	-0.9	T				
CLZ	e Pg	Z	15:31:33.4	-0.4	T		197.3	356.7	ML 2.6
	e Sg	E	15:31:55.8	-0.9	T				
WET	e Pg	Z	15:31:33.5	-0.3	T		197.4	120.5	ML 2.3
	e Sg	N	15:31:56.2	-0.6	T				
CLL	i Pn		15:31:35.8	2.6			221.4	50.6	ML 2.4
	e Pg	Z	15:31:37.6	-0.3		5.8			
BFO	e Sg	E	15:32:02.7	-0.9	T				
	e Pg	Z	15:31:42.0	-1.0	T		251.4	220.5	
	e Sg	Z	15:32:11.1	-1.1	T				

BRG	e	Pg	Z	15:31:42.9	-1.0	T	256.8	68.3	ML	2.4
	e	Sg	E	15:32:12.7	-1.1	T				
GEC2	e	Sg	E	15:32:14.3	-2.1		266.0	119.6	ML	2.3

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/11/08	23:48:03.9	+-	0.79	50.110N	10.460E	13.3	5.6	160	10G		6	3	222	1.9ML		SZGRF	L
1999/11/08	23:48:02.2	+-	0.31	50.070N	10.540E	3.3	3.3	4	10G		13	9	83	2.0ML	CLL	BGR	L

Hassfurt/Main, E of Schweinfurt

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
GRFO	e Sg E	23:48:22.1	1.3	T		64.4	130.6	
MOX	e Pg Z	23:48:19.5	0.3	T	4.1	99.5	49.6	ML 1.7
	e Sg Z	23:48:31.3	0.5	T				
GRB1	e Sg E	23:48:35.8	2.0			109.9	132.9	
TNS	e Pg Z	23:48:27.8	0.1	T	3.9	150.1	277.3	ML 1.8
	e Sg N	23:48:45.1	-0.1	T				
STU	e Sg N	23:48:51.5	-0.5	T		174.2	214.5	
CLZ	e Pg Z	23:48:36.6	0.9	T	4.6	197.3	356.7	ML 2.2
	e Sg E	23:48:58.4	-0.3	T				
WET	e Pg Z	23:48:36.2	0.4	T	2.0	197.4	120.5	ML 1.9
	e Sg E	23:48:59.0	0.3	T				
CLL	i Pn	23:48:38.6	3.5			221.4	50.6	ML 2.0
	i Pg	23:48:40.3	0.5					
	e Sg E	23:49:05.1	-0.4	T				
BRG	i Pg	23:48:46.4	0.6			256.8	68.3	
	e Sg Z	23:49:14.8	-0.9	T				
GEC2	e Sg E	23:49:16.7	-1.5	T		266.0	119.6	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/11/11	08:20:57.5			47.800N	10.800E				2					2.5ML		LDG	

Lechbruck, E of Kempten

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Sg N	08:21:51.7	-0.9			192.8	288.7	

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/11/11	13:01:37.0			47.200N	11.400E				33					2.1ML		SED	

Southern Tuxer Alps/A, S of Innsbruck

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pn Z	13:02:16.0			1.2	261.6	299.8	
	e Pg Z	13:02:20.3			2.5			
	e (Sg) N	13:02:40.6						

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/11/12	13:27:21.8	+-	0.26	50.060N	10.550E	3.3	2.2	150	10G		16	9	94	2.2ML	TNS	BGR	L

## Hassfurt/Main, E of Schweinfurt

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
MOX	e Pg Z	13:27:39.7	0.9	T	6.4	99.7	48.9	ML 2.1
	e Sg Z	13:27:51.5	1.1	T				
TNS	e Pg Z	13:27:48.0	0.5	T	5.9	150.9	277.7	ML 2.2
	e Sg E	13:28:04.7	-0.3	T				
STU	e Sg E	13:28:11.3	-0.3	T		173.7	214.9	ML 2.5
WET	e Pg Z	13:27:56.0	0.9	T	2.0	196.3	120.4	ML 2.3
	e Sg N	13:28:18.7	0.8	T				
CLZ	e Pn Z	13:27:53.8	1.9	T	1.8	198.5	356.5	ML 2.5
	e Sg E	13:28:18.4	-0.2	T				
CLL	e Pn Z	13:27:58.3	3.6	T	7.1	221.6	50.3	ML 2.5
	i Pg	13:28:00.6	1.2					
	e Sg E	13:28:24.7	-0.5	T				
BFO	e Pg Z	13:28:04.3	-0.0	T	5.6	251.0	220.8	ML 2.4
	e Sg E	13:28:33.0	-0.6	T				
BRG	e Pg Z	13:28:06.3	1.0	T	2.3	256.6	68.1	ML 2.4
	e Sg N	13:28:34.7	-0.5	T				
GEC2	e Sg E	13:28:36.8	-0.7	T		264.8	119.5	ML 2.2

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
**1999/11/12 15:13:57.2 47.000N 6.900E 2 2.3ML LDG**

## Neuchatel/CH, Lake of Neuchatel

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Sg N	15:14:53.2	3.8			182.6	35.4	

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
**1999/11/12 19:10:18.0 47.100N 10.200E 10 2.0ML SED**

## Arlberg/A

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
**1999/11/14 03:54:05.2 +- 0.48 49.130N 6.880E 8.9 4.4 36 1G 11 7 189 2.1ML TNS BGR I**  
**1999/11/14 03:54:04.6 +- 1.10 49.170N 6.840E 14.0 6.0 89 1G 26 12 203 2.1ML LED I**

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

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
RUP	e Pg -	03:54:15.3	0.3	T		61.2	14.9	
	e Sg	03:54:23.3	1.2	T				
LANF	e Pg	03:54:17.4	0.3	T		73.4	106.3	
WLF	e Pg Z	03:54:17.9	0.7		25.1	74.1	318.1	ML 1.5
	e Sg E	03:54:27.4	1.6					
KTD	e PmP	03:54:21.5	-1.6	T		91.8	79.1	
	e SmS	03:54:32.8	-2.9	T				
WLS	e Pg -	03:54:19.7	-0.5	T		92.2	155.7	
	e Sg	03:54:30.1	-0.8	T				
ABH	e PmP	03:54:22.0	-1.4	T		94.2	32.6	



ABH	e	PmP	00:38:17.3	-1.4	T													
	e	Pg +	00:38:16.5	-0.6	T					102.7	37.3							
	e	SmS	00:38:31.7	-1.9	T													
KTD	e	Pg	00:38:17.7	0.4	T					103.6	79.0							
	e	Sg	00:38:30.5	1.2	T													
ECH	e	PmP	00:38:19.7	-1.1	T					109.6	161.1							
	e	SmS	00:38:34.0	-1.3	T													
KIZ	e	Pg +	00:38:28.2	1.2	T					161.0	145.1			ML	2.2			
		Sg	00:38:45.7	0.0														
LBG	e	Pn -	00:38:26.7	0.1	T					163.7	108.5			ML	2.2			
	e	Pg +	00:38:28.4	0.9	T													
	e	Sg	00:38:46.5	0.0	T													
FELD	e	Pg	00:38:28.6	-0.3	T					171.9	145.0							
	e	Sg	00:38:48.5	-0.3	T													
TNS	e	Pn Z	00:38:27.4	-0.5						0.9	174.3	46.2		ML	2.1			
	e	Pg Z	00:38:29.5	0.3						3.9								
	e	Sg E	00:38:47.5	-2.0														
STU	e	Sg E	00:38:51.5	-1.9						188.3	102.0			ML	2.4			
BEU	e	Pg	00:38:34.3	-1.0	T					209.7	106.4			ML	2.2			
	e	Sg	00:38:57.5	-2.1	T													
SIND	e	Pg	00:38:37.8	1.9	T					213.5	83.0			ML	2.2			
GRFO	e	Sg N	00:39:32.2	-2.9						333.8	77.9							
MOX	e	Sg E	00:39:47.5	-3.8						390.5	62.9							
GEC2	e	Pn Z	00:39:10.0	0.8						2.2	513.2	91.1						
	e	Sg N	00:40:24.4	-1.9														

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
**1999/11/20 05:52:27.1 47.400N 6.000E 6 2.0ML LDG**

NE of Gray, SW of Vesoul/F

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
1999/11/20 20:28:23.8 47.600N 9.000E 10 1.9ML SED  
1999/11/20 20:28:23.8 47.700N 9.000E 2 2.2ML LDG  
**1999/11/20 20:28:25.6 +- 1.11 47.630N 9.080E 13.3 7.8 39 10G 9 4 294 2.0ML STU BGR L**

Konstanz/Lake of Constance

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
STU	e Pg Z	20:28:46.5	-0.7	T	1.3	127.1	3.7	ML 2.0
	e Sg E	20:29:02.4	0.3	T				
FUR	e Pg Z	20:28:54.4	-0.8	T	2.9	174.0	69.3	ML 2.3
	e Sg E	20:29:16.4	1.0	T				
GRFO	e Sg E	20:29:44.3	-0.8	T		277.8	33.7	
GEC2	e Pn Z	20:29:16.3	-0.1	T	1.3	367.9	66.7	
	e Pg Z	20:29:26.3	-1.7	T				
	e Sn N	20:29:55.2	2.1	T				
	e Sg N	20:30:11.1	0.3	T				

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
**1999/11/23 13:35:54.5 +- 0.67 51.400N 16.090E 14.5 13.3 148 1G 16 8 292 3.5ML SZGRF I**

## POLAND

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	13:36:20.8	-0.9	T		160.8	249.5	ML 3.4
	e Sg	N	13:36:39.0	-1.5	T				
CLL	e Pn	Z	13:36:25.9	-1.7	T		214.6	268.5	ML 3.4
	e Pg	Z	13:36:28.8	-2.1	T				
	e Sg	N	13:36:55.3	-0.5	T				
MOX	e Pn	Z	13:36:48.3	7.3	T		324.0	256.7	ML 3.7
	e Sg	N	13:37:27.3	0.3	T				
GEC2	e Pn	Z	13:36:43.3	1.5	T		331.2	211.9	ML 3.5
	e Sg	N	13:37:29.6	0.5	T				
WET	e Pn	Z	13:36:42.9	0.1	T		339.1	223.5	ML 3.6
	e Sg	Z	13:37:30.4	-1.0	T				
GRA1	e Pn	Z	13:36:49.8	0.5	T		392.8	243.0	ML 4.0
	e Sg	N	13:37:48.0	1.3	T				
CLZ	e Pn	Z	13:36:49.8	-0.2	T		397.6	279.3	ML 3.7
TNS	e Pn	Z	13:37:09.0	0.2	T		552.4	259.3	ML 2.9
	e Sg	N	13:38:34.7	2.4	T				

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
 1999/11/25 04:13:09.7 48.200N 7.700E 18 2.0ML LDG

Emmendingen/Upper Rhine Graben, N of Freiburg

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	04:13:18.6	0.1		1.8	48.8	72.5	
	e Sg	E	04:13:24.3	-0.2					

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
 1999/11/25 16:27:52.7 47.133N 14.196E 5  
 1999/11/25 16:27:54.4 +- 1.77 47.330N 14.170E 23.3 12.2 143 10G 8 6 288 2.1ML WET BGR L

Niedere Tauern/A

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
GEC2	e Pg	Z	16:28:23.8	0.2	T	11.1	172.0	348.5	ML 2.1
	e Sg	E	16:28:45.4	1.7	T				
WET	e Pg	Z	16:28:32.8	0.5	T	3.0	223.2	335.1	ML 2.1
	e Sg	E	16:28:58.8	0.5	T				
GRFO	e Sg	E	16:29:33.9	2.1	T		340.7	321.5	
BRG	e Sg	Z	16:29:45.6	-1.5	T		394.3	357.7	
MOX	e Sg	N	16:29:50.0	-2.4	T		412.9	334.1	
BFO	e Sg	Z	16:30:02.5	-0.5	T		449.8	286.5	

Date Origin Time OT\_err Lat Long Smajor Sminor Az Depth D\_err Ndef Nsta Gap Mag Ref Source Ev\_type  
 1999/11/26 01:53:11.7 +- 0.42 51.600N 7.700E 5.6 5.6 119 1G 8 5 123 2.2ML TNS BGR I

Unna

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
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BUG	e	Pg	Z	01:53:17.1	-0.5	T	7.7	34.7	239.4	ML	2.3
	e	Sg	E	01:53:23.0	1.3	T					
IBBN	e	Sg	E	01:53:34.0	-0.3	T		78.7	2.8	ML	2.2
TNS	e	Pg	Z	01:53:38.8	-0.3	T	7.4	161.9	160.8	ML	2.2
	e	Sg	N	01:53:57.7	-0.3	T					
WLF	e	Pg	Z	01:53:51.1	-1.5	T	2.3	241.3	207.5	ML	2.4
	e	Sg	E	01:54:18.8	-1.9	T					
MOX	e	Sg	E	01:54:35.7	0.2	T		293.1	109.7		
BRG	e	Sg		01:55:19.6	1.6			441.9	98.1		

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/11/27	11:27:08.5		48.300N	8.800E				2					2.2ML		LDG	

Balingen/Swabian Jura

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	11:27:15.1	0.7		8.3	34.9	275.7	
	e Sg	E	11:27:18.8	0.3					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/11/27	12:13:53.8		49.100N	10.400E				10					2.3ML		SED	
probably mislocated (after BGR)																

SE of Feuchtwangen

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
1999/11/27	23:06:34.9		50.200N	7.200E				2					2.4ML		LDG	
1999/11/27	23:06:32.1	+/- 0.37	50.370N	7.360E	4.4	3.3	155	10G		9	6	128	2.1ML	BUG	BGR	L

Koblenz

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg	Z	23:06:45.2	-0.4	T	4.3	79.0	101.6	ML 1.9
	e Sg	E	23:06:56.1	1.3	T				
WLF	e Pg	Z	23:06:51.3	-0.7	T	2.9	116.6	228.2	ML 1.8
	e Sg	E	23:07:05.9	0.3	T				
BUG	e Pg	Z	23:06:51.6	-0.8	T	6.3	119.2	357.0	ML 2.1
	e Sg	E	23:07:05.9	-0.4	T				
BFO	e Sg	E	23:07:39.1	-0.9	T		237.4	162.4	
GRFO	e Sg	E	23:07:54.2	0.4	T		285.8	103.8	
MOX	e Sg	E	23:07:58.8	0.2	T		302.4	82.6	

Unassociated arrivals

Sta	Phase	Date	Time	TRes	Def	S/N	Dist	EvAz	Mag
CLL	e Sg	1999/11/05	15:00:53.0						
MOX	e Pg	1999/11/08	18:05:17.0						

MOX	e	Sg	1999/11/08	18:05:22.9
BRG	i	Sg	1999/11/10	08:19:50.4
BRG	e	Sg	1999/11/10	19:08:57.8
CLL	e	Sg	1999/11/10	19:09:23.0
BRG	i	Sg	1999/11/11	12:15:52.5
CLL	e	Sg	1999/11/11	13:48:29.0
BRG	e	Sg	1999/11/11	13:50:23.1
BRG	e	Sg	1999/11/15	05:36:11.2
MOX	e	(Pg)	1999/11/15	21:41:36.3
BRG	i	Sg	1999/11/18	05:53:22.8
MOX	i	(Sg)	1999/11/19	02:50:53.2
BRG	e	Sg	1999/11/20	20:13:31.0
CLL	e	Sg	1999/11/21	20:26:38.0
CLL	e	Sg	1999/11/22	00:50:23.0
BRG	e	Sg	1999/11/25	21:35:17.4
OGA	i	Pg +	1999/11/26	14:21:20.6
OGA	i	Sg	1999/11/26	14:21:22.6
OGA	i	Pg -	1999/11/28	14:58:59.5
BRG	i	Sg	1999/11/29	14:57:27.9
BRG	e	Sg	1999/11/30	11:36:55.2
MOX	e	(Sg)	1999/11/30	19:30:44.1